

CAROLINA POWER AND LIGHT COMPANY
H. B. ROBINSON SEG PLANT, UNIT NO. 2

November 1983 Steam Generator Outage

Steam Generator Inspection and Repair Report

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I. Eddy Current Inspection of Steam Generator Tubing

I.1 Inspection Scope

The initial inspection program selected was as described in CP&L transmittal letter dated October 17, 1983, from Mr. S. R. Zimmerman to Mr. S. A. Varga. This program was designed to ensure the inspection of all regions in the S/Gs where tubewall degradation was observed during previous inspections and to obtain a representative sample of regions where no degradation was observed. This initial program required inspection of all unplugged tubes from the inlet and outlet sides of each S/G to varying extents (heights) as required to cover the areas of concern. For the inlet sides of all the S/Gs, inspection of all tubes through the U-bends was required. The final outlet inspection scope is shown in Figures I.1-1 through I.1-3. The final outlet scope reflects expansions made on the basis of the inspection results.

I.2 Inspection Technique

The inspections were performed using multi-frequency Eddy Current equipment. The inspection frequencies utilized were 400 KHz differential, 200 KHz differential, 100 KHz differential, and 300 KHz absolute. Signal frequency mixes were utilized to aid in the detection of tubewall degradation.

I.3 Results

The results of the eddy current inspections indicated the presence of degraded and/or defective tubing in four distinct regions of the S/G tube bundles.

I.3.1 Tubesheet Crevice Region

The central region of the tube bundles of each S/G exhibited corrosion indicative of a cracking mechanism in the unrolled length (crevice) of tubing in the tubesheet. This phenomenon was observed primarily on the inlet (hot leg) side of the S/Gs. The corrosion is attributed to intergranular attack (IGA) consistent with the degradation observed in the same region of a tube removed from "B" S/G in August 1981.

I.3.2 Top of Tubesheet/Above Tubesheet (TTS/ATS Region)

The central area of the tube bundle on the inlet and outlet sides of the S/Gs exhibited tube wall thinning in the length of tubing from the top of the tubesheet up to approximately 35 inches above the tubesheet. This thinning is attributed to the presence of phosphate rich sludge and phosphate precipitate in the S/Gs. The region affected is consistent with the region where phosphate precipitation is anticipated. Phosphate wastage has been observed and carefully monitored in the TTS/ATS region since 1973-1974. Prior to May 1983, the number and severity of the indications had generally been observed to increase at a relatively slow rate. This inspection and the May 1983 inspection revealed a significant quantity of new indications in the S/Gs. However, this inspection revealed that the new indications identified in the May 1983 inspection increased in severity at a relatively slow rate over the operating period.

I.3.3 Tube Support Regions

The section of tubing which passes through the tube support plates (TSP) exhibited wall degradation on the inlet and outlet sides of the S/Gs. The wall degradation is located at or just above the tube support plates and is attributed to phosphate thinning. The statistical spread of the Eddy Current indications supports the conclusion that phosphate wastage is the corrosion mechanism. This has typically affected a small number of tubes in the peripheral low flow regions. This inspection revealed that the degradation has continued in the peripheral regions. This inspection also revealed an increasing number of new indications in tubes located in the center of the tube bundles. This was observed primarily in the "A" S/G outlet.

I.3.4 U-Bend Region

The U-bend section of tubing primarily in peripheral tubes exhibited wall degradation typical of phosphate wastage. This occurred from 2 1/2 inches above the sixth TSP (beginning of bend transition) up to approximately 35 inches above the sixth TSP, primarily on the inlet side of the S/Gs. The same general groups of tubes also exhibited wastage where the tube passes through the anti-vibration bars.

A complete listing of all Eddy Current results for each S/G is provided in Appendix I.

I.4.0 Evaluation of Eddy Current Results

An evaluation of the E/C inspection results was performed by Westinghouse for CP&L. Appendix I contains a summary of this evaluation and the statistical data generated. This data is summarized in Table 1 below which gives the overall maximum average corrosion rates for each generator hot and cold leg.

Table 1

<u>S/G</u>	<u>Number of Indications</u>	<u>Corrosion Rate (% Degrad/EFPM) (Overall Without Pluggables)</u>	
A	29	HL	7.37
	391	CL	6.45
B	33	HL	7.17
	163	CL	3.46
C	22	HL	7.72
	132	CL	4.83

This evaluation revealed that phosphate thinning has continued to occur in the same general regions of the tube bundles where past corrosion has occurred. The phosphate

thinning was observed to have increased the depth of existing indications and to have initiated a significant number of new indications. Tube wall corrosion for existing and new indications was observed at higher rates than in the previous operating period. However, consistent with observations from the May 1983 inspection, the corrosion rate for the existing indications was substantially lower than that for the new indications. Also, the new indications identified in the May 1983 inspection were observed, in the November 1983 inspection, to have corrosion rates essentially the same as the indications which were old in the May 1983 inspection.

Corrosion continued in the tubesheet crevice region during the last operating period. However, the overall number of tubes plugged per Effective Full Power Months (EFPM) of operations was significantly reduced over previous operating periods. The individual plugging rate was observed to decrease in two S/Gs and increase in the third. This overall improvement is believed to be due to reduced temperature operation.

The cracking phenomenon observed above the tubesheet in the August 1981 inspection was not observed during this inspection. This conclusion is supported by the distribution of the Eddy Current indications with respect to number and size. The elimination of the cracking above the tubesheet is attributed to secondary chemistry improvements, frequent crevice flushing, sludge lancing, and low temperature operation.

I.5 Tube Wall Corrosion Rates

S/G tube wall corrosion rates were calculated by Westinghouse for the regions which exhibited corrosion due to phosphate wastage. These corrosion rates are presented in Appendix I.

Corrosion rates were calculated and are presented for both the new and old indication populations for all regions except the tubesheet crevice region. Also, combined rates using both the new and old populations were calculated. These calculations were performed with the pluggable tubes included and with the pluggable tubes deleted.

As described in Appendix I, location criteria of ± 1 inch and ± 2 inches were used to differentiate between new and old indications (i.e., if no previous indication existed within the \pm criterion, the indication was classified as new). Corrosion rate calculations were generated based on each location criterion and compared. The comparison revealed that slightly smaller combined corrosion rates result with the ± 2 inch criterion.

II. Steam Generation Repairs

II.1 Mechanical Tube Plugging

Mechanical tube plugging was performed to remove from service all tubes with Eddy Current indications greater than 47 percent. This plugging limit is consistent with Plant Technical Specification requirements. In addition, all tubes with detectable indications in the tubesheet crevice region were plugged regardless of the indicated penetration depth for unit reliability reasons. A listing of all pluggable indications for each side of each S/G is included in Appendix I.

In addition to the tubes with pluggable indications, two tubes in "B" S/G were mechanically plugged due to plugging errors. The total number of tubes plugged in each S/G is provided below:

<u>S/G</u>	<u>Tubes Plugged</u>
A	116
B	217
C	242

III. Summary

The H. B. Robinson Unit No. 2 S/Gs were subjected to a state-of-the-art Eddy Current inspection to detect and quantify tube wall corrosion in all tube bundle regions which have exhibited corrosion. The inspection scope was expanded as dictated by the inspection results to ensure that all affected areas were encompassed.

The inspection revealed tube degradation in several distinct regions in each S/G where degradation had been observed in the past. In the regions subject to phosphate wastage, degradation was observed to have continued to progress at previously affected tube locations and to have initiated at a significant number of new (previously unaffected) tube locations. The rate of progression at the "old" locations was calculated at rates generally higher than in the previous operating period. The highest corrosion rates were calculated for the "new" location populations. However, indications which were "new" in the last inspection were observed to progress at approximately the same rates as indications which were old in the last inspection. The number of tubes in the crevice region affected by intergranular attack and stress corrosion cracking per EFPM of operation was observed to decrease from that of previous operating periods.

Maintenance performed on the S/Gs consisted of mechanical plugging of all tubes with eddy current indications in excess of the Technical Specification plugging limit. In addition, all tubes with detectable indications in the tubesheet crevice region were plugged for unit reliability reasons. A total of 116 tubes were plugged in "A" S/G, 217 in "B" S/G, and 242 in "C" S/G.

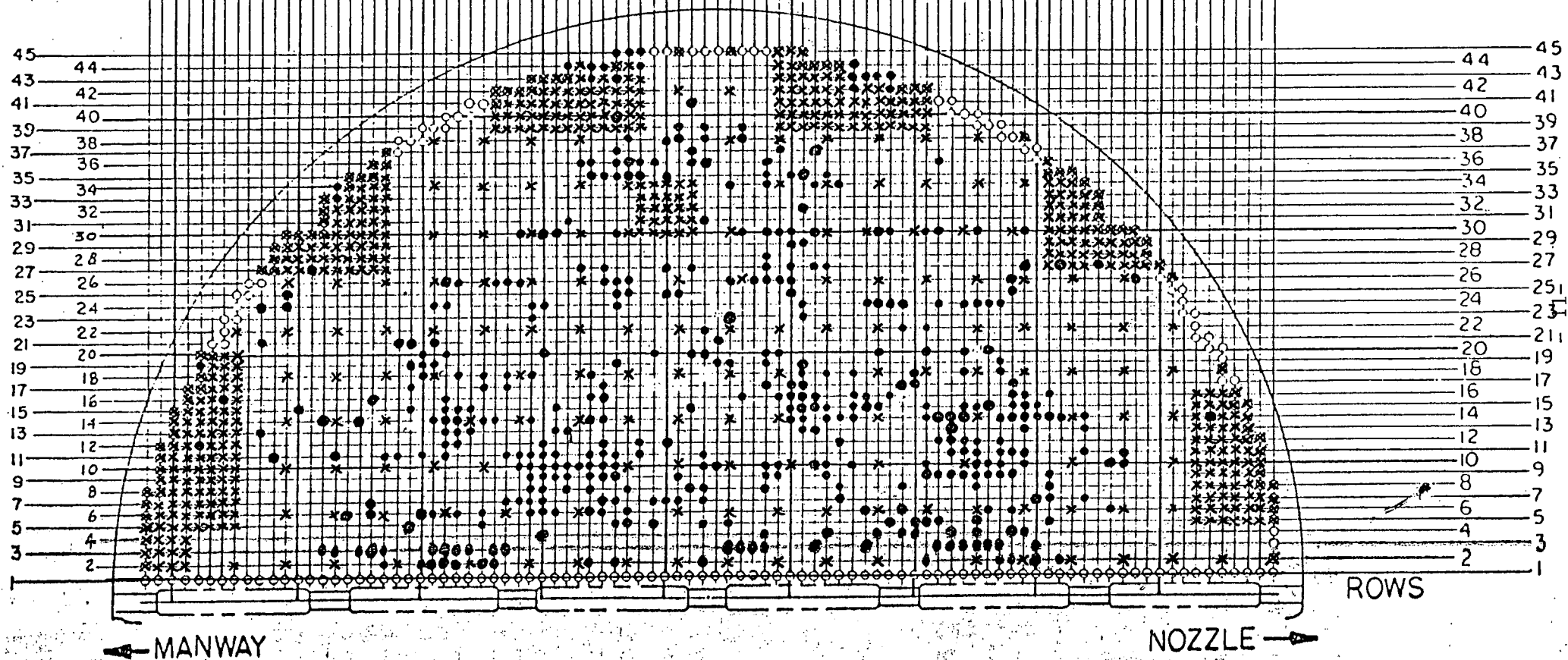
Leak tests were performed on each S/G prior to closeout of the primary side to verify tube bundle integrity. These were performed at 200 psi secondary to primary pressure differential with satisfactory results.

SERIES 44

91 89 87 85 83 81 79 77 75 73 71 69 67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

92 90 88 86 84 82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2

COLUMNS



X - Inspect Through Sixth Tube Support Plate

"C" S/G Outlet Inspection Scope
Figure I.1-3

Inspect All Remaining Tubes Through First Tube Support Plate

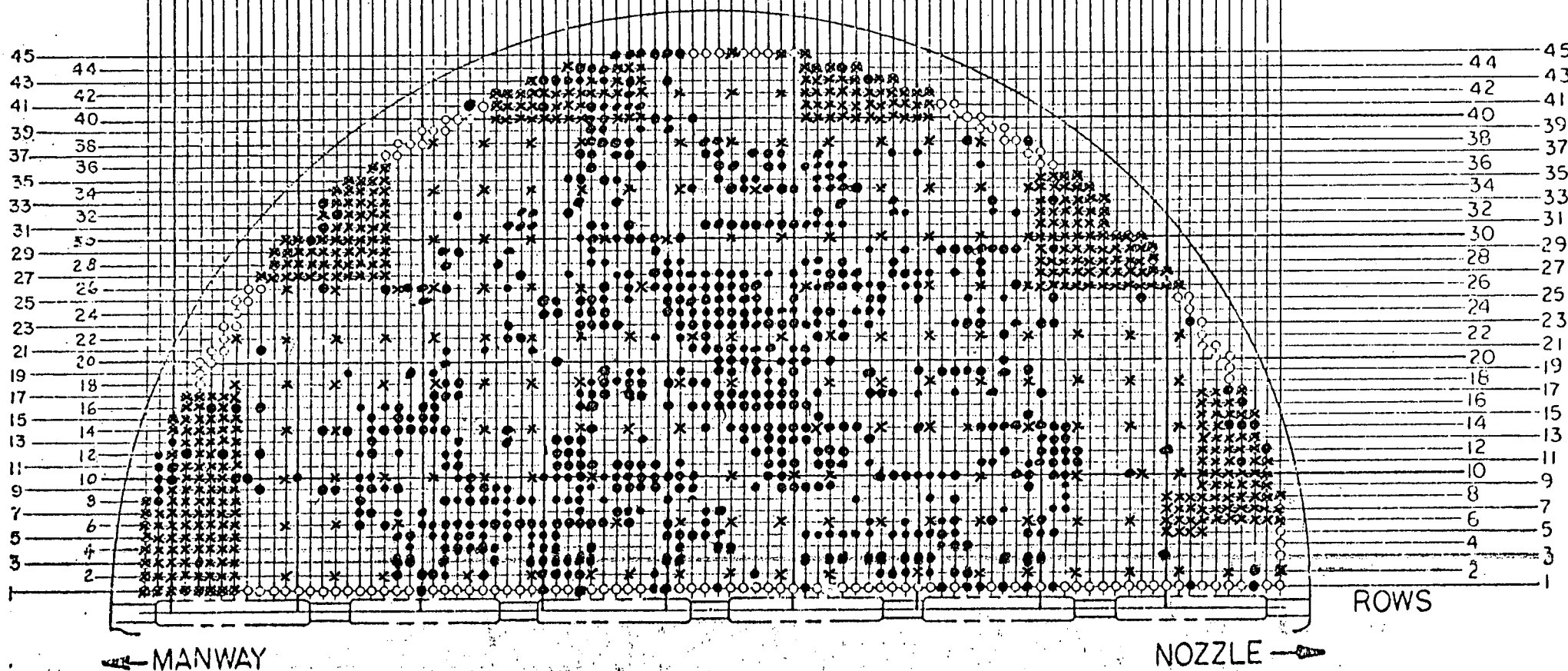
● - Plugged tubes

SERIES 44

8981858381797775737167674563615957555351494745434133373533312927252321191715131197531

COLUMNS

92 90 88 86 84 82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2



"B" S/G Outlet Inspection Scope
Figure I.1-2

X - Inspect Through Sixth Tube Support Plate

Inspect All Remaining Tubes Through First Tube Support Plate

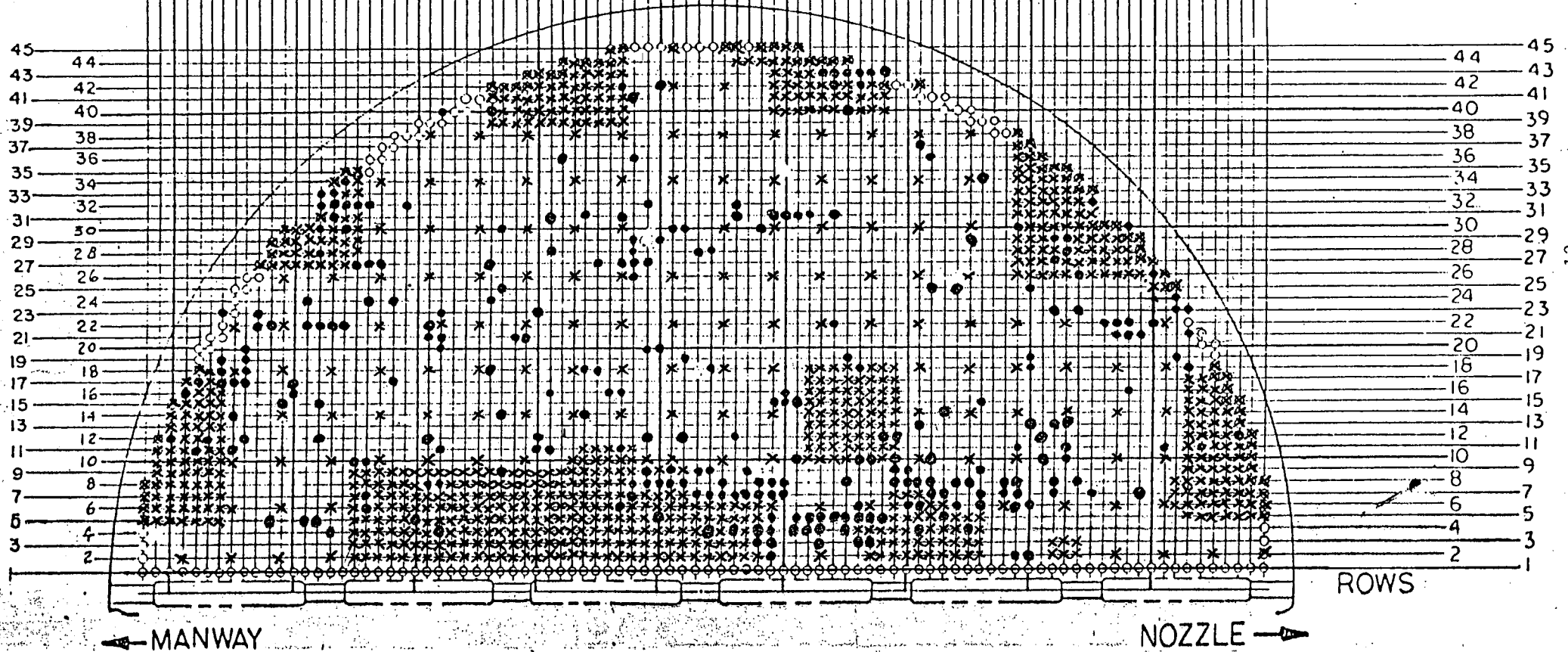
• - Plugged tubes

SERIES 44

91 89 87 85 83 81 79 77 75 73 71 69 67 65 63 61 59 57 55 53 51 49 47 45 43 41 39 37 35 33 31 29 27 25 23 21 19 17 15 13 11 9 7 5 3 1

COLUMNS

92 90 88 86 84 82 80 78 76 74 72 70 68 66 64 62 60 58 56 54 52 50 48 46 44 42 40 38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2



X - Inspect Through Sixth Tube Support Plate

Inspect All Remaining Tubes Through First Tube Support Plate

● - Plugged tubes

"A" S/G Outlet Inspection Scope

Figure I.1-1

APPENDIX I

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Westinghouse Eddy Current Inspection Data Evaluation Summary

APPENDIX I

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I	Distribution of Eddy Current indications by size and elevations within the steam generators.
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III	Conventional growth evaluation of indications of 20% in both the November 1983 and May 1983 inspections (pluggable indications included).
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A.I.1.0 Introduction

At the request of Carolina Power and Light Co. (CP&L), an analysis of the results of the November 1983 steam generator Eddy Current inspections at the H. B. Robinson Unit 2 Plant was made by Westinghouse Steam Generator Inspection Analysis Group personnel. Computer techniques (SUPERTUBIN) were used to transmit the inspection data from the evaluation center near the Plant site to the Westinghouse Power Systems Computer Center (PSCC) for on-going analysis during the inspection program. A check of the complete Eddy Current data ensemble was made to determine that the transmitted data were completely and correctly stored in the PSCC computer facility. Computer techniques (PRAISE Programs) were also employed to organize the data according to specific steam generators and tube elevations of interest, to perform statistical calculations, and to produce displays of the data in the form of histograms and tubesheet maps. Calculations of the Eddy Current indication growth rates were made manually using the computer generated statistical data and the value of 3.64 effective full power months (EFPM) of operation prior to the inspection shutdown (provided by CP&L).

Summary information generated from the original inspection data, including Eddy Current size distributions, growths, and growth rate, is presented in Table 1 through 6.

The computer printouts from which the summary tables were prepared are also included as a separate part of this Appendix.

A.I.2.0 List Of Summary Tables

Tables 1 through 7 provide one-page summaries for all three steam generators as follows:

TABLE 1 - Eddy Current size distribution statistics.

TABLE 2 - Conventional Eddy Current growth statistics
(± 1 inch elevation criterion).

TABLE 2a- Conventional Eddy Current growth statistics with pluggable
comparisons deleted (± 1 inch elevation criterion).

TABLE 3 - New indication growth statistics (± 1 inch elevation
criterion).

TABLE 3a- New indication growth statistics with pluggable
comparisons deleted (± 1 inch elevation criterion).

TABLES 4, 4a, 5, 5a - Corresponding to Tables 2, 2a, 3, 3a, respectively, except
for a ± 2 inch elevation criterion.

TABLES 6-1 to 6-12 - Growth rate calculations for (a) the combined "above the
tubesheet" and "top of the tubesheet" data, (b) tube
support plate elevations, and (c) U-bend region data for
each steam generator leg for conventional growth (previous
indications), newly reported indications, and the sum of
the two growth categories. A similar set of growth
calculations was made for the cases with deletion of
pluggable comparisons in each table. Tables 6-1 to 6-6
are for indications compared to within ± 1 inch of
elevation between the November 1983 and May 1983
inspection. Tables 6-7 to 6-12 are for ± 2 inch elevation
growth comparison. (See section I.A. 3.2 below.)

For the purpose of data reduction, the Eddy Current indication
growth calculations (Table 2 through 5a) were made for five tube
bundle elevations using the various criteria as explained in Section
A.I. 3.2 below).

Tables 2 through 5a were used to calculate the indication growth rates (% penetration per EFPM of operation) summarized in tables 6-1 through 6-12. In these tabulations data for the "top of the tubesheet" (TTS) and "above the tubesheet" (ATS), elevations were combined since these are essentially continuous elevations in the sludge pile region below the first tube support plate and are seen to behave as a single region with respect to tubewall corrosion as shown by the eddy current size distribution histograms, which are consistent with the presence of thinning as the predominant mode of tubewall degradation for this overall region.

A.I.3.0 Description Of Computer-Generated Data

A.I.3.1 Distribution of Eddy Current Indications by Size and Elevations Within the Steam Generators.

The distribution by size of all reported indications $< 20\%$, as well as those indications reported as $\geq 20\%$ and distorted signals (DS) are separately tabulated for each leg of the three steam generators. The data were segregated into the five locations (elevations) where Eddy Current indications have been identified in past inspections, i.e., below the tubesheet, top of the tubesheet, above the tubesheet (from the tubesheet up to but not including the first support plate), tube support plates (TSPs) and in the U-bend.

Several points of clarification are in order:

- a) Those indications classified as "In the U-bend" arbitrarily include all indications reported at anti-vibration bar (AVB) elevations as well as all indications reported at elevations greater than $2\frac{1}{2}$ inches above the uppermost tube support plate (TSP # 6).
- b) Those indications reported at elevations $2\frac{1}{2}$ inches above TSP #6, as well as all indications reported at or above the other five TSPs, are classified as TSP indications.
- c) Those indications reported at AVB locations are included in the hot leg U-bend tabulations.

The number of indications reported at the five elevations of interest are entered in the columns designated as "Percentage of Wall Penetration." The wall penetration ranges are arbitrarily divided into class widths of seven percent in order to accommodate the plugging criterion of 48 percent and to yield equal class widths over as much of the range of 20-100 percent as possible. In this arrangement, the last interval of data is only four percent (97-100 percent).

The arithmetical mean, the standard deviation, and the number of data points for each of the five elevations are listed in the top half of each indication size distribution table.

The distribution by size of all indications 20 percent are also displayed in the form of histograms. A separate histogram is given for each of the five tube bundle elevations of interest in each of the size distribution tables. For completeness, a histogram showing no bar graph is included for those cases where no Eddy Current indications were reported at a particular elevation.

A.I.3.2 Growth Evaluations for Reported Eddy Current Indications Between the May 1983 and November 1983 Inspections.

The change in size of indications between the preceeding (May 1983) and current (November 1983) inspections is tabulated according to the number of indications showing growths within various growth ranges at each of the five tube bundle elevations described above. Growth range intervals of five percent (in terms of wall penetration increase or decrease) were selected for convenience. Negative growths reflect uncertainties in the Eddy Current method and do not represent a "healing" process. As in the case of the indication size distribution tables, the descriptive statistics are listed in the top half of each growth evaluation table. Since a large number of indications was observed where none were reported in the previous inspection, the growth evaluations were sub-divided into (a) a conventional growth evaluation where only those indications with reported wall penetration of 20% in both the November 1983 and May

1983 inspections were compared, and (b) a "new" growth evaluation which includes only those November 1983 indications which were reported at locations where none were found in the previous inspection.

A criterion for the computerized determination of an indication growth as either "old" or "new" was devised since it is recognized that some variation in the designated value of the elevation of an Eddy Current elevation is possible.

The reported elevation of an Eddy Current indication is obtainable from an examination of the position of the Eddy Current signal on the strip chart record of the inspection combined with consideration of the chart speeds normally utilized in steam generator Eddy Current inspections. Since the strip chart is essentially a compressed scale relative to the vertical distance of an indication from the top of the tubesheet, inaccuracies in estimating this distance are possible. Consequently, criteria were developed and written into the computer programs so that an indication can be classified as either an "old" ("previously reported") indication or a "new" (not previously reported) indication for calculating the growth of indications between inspections. Therefore, the selection criterion adopted for the May 1983 inspection evaluation stated that an indication in a particular tube with differences in elevation ± 1 inch between inspections is to be counted as an "old" indication, ("old" indication growth is synonymous with conventional growth). An indication reported in a tube where a NDD (no detectable defect) was reported in the earlier of the two inspections or where a difference in elevation in excess of ± 1 inch was reported between the two inspections is considered a "new" indication.

A visual inspection of the data in May 1983 as well as in November 1983 revealed a number of instances where the ± 1 inch elevation criterion for determining "old" or "new" indications resulted in comparisons being designated "new" when, in the evaluator's judgement, they were most likely "old" or previous indications.

This judgement was reenforced by comparison of Eddy Current signals from selected tubes using the Digital Data Analysis System (DDA-4). For example, the data for tube R25-C54, steam generator A (inlet), were reported as follows:

In May 1983: 25% 2 inches above the tubesheet.

In November 1983: 24% 0.7 inches above the tubesheet.

No other indications were reported for this tube in either inspection. It is, therefore, reasonable to assume that these data represent the same indication. Under the ± 1 inch comparison criterion discussed above, this indication would be classified as a "new" indication in November 1983 with a growth of 24%. Under a more reasonable criterion, this indication would be classified as an "old" (or previous) indication with a growth of -1%. For this reason, the growth data were re-calculated using an elevation criterion of ± 2 inches for classification of indication as "new" or "old". Use of the ± 2 inch criterion results in somewhat lower calculated growth rates (see Table 6). Both sets of growth calculation results are included in this Appendix. The ± 1 inch criterion growth data are summarized in Tables 2, 2a, 3, 3a,. The ± 2 inch criterion are summarized in Tables 4, 4a, 5, 5a. The ± 1 inch criterion was adopted in May 1983 for the sake of conservatism and is also the more conservative criterion for the November 1983 inspection.

In addition, for each of the conventional and "new" growth evaluations, two additional sub-classifications were made, i.e., growths from all indication size ranges and growths without the pluggable indications. Thus, for each elevation criterion, four categories of indication growth evaluations were prepared, each covering all steam generator legs and tube elevations. The "pluggable deleted" evaluations are clearly distinguishable from the "all indications" evaluation by the notation "W/OP" at the upper right hand side of the appropriate heading.

Note that the "new" indication growth evaluation tables are equivalent to "new" indication size distribution tabulations.

A.I.3.3 Listing of Pluggable Indications

A listing of all Eddy Current indications >48% is provided for each steam generator leg.

A.I.3.4 Listing of Indications

A list of all indications less than as well as greater than 20% is represented for each steam generator leg. These data were extracted from the "all data" lists for convenience in comparing indications between inspections.

I.A.3.5 Tubesheet Maps

Tubesheet maps showing the locations of the reported Eddy Current indications are presented for each steam generator leg. A separate map is given for each of the five elevations of interest.

These elevations are labeled on each map as follows:

ATE Above the tube end (same as below the tubesheet or tubesheet crevice).

TTS Top of the tubesheet.

ATS Above the tubesheet (between TTS and the first tube support plate).

TSP Tube support plate elevations.

AVB All AVB indications plus indications $2\frac{1}{2}$ inches above the top support plate (same as U-bend region).

On these maps, indications reported at all four AVBs are shown on the hot leg maps for each steam generator.

ATTACHMENT I

Distribution of Eddy Current Indications by Size and Elevation Within the
Steam Generators.

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION DISTRIBUTION
 STATISTICS FROM THE NOV. 1983 INSPECTION
 FOR ALL INDICATIONS RECORDED AS $\geq 20\%$

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	13	71.15	26.45	10	80.60	9.43	9	86.33	23.15
Cold Leg	3	32.33	5.51	1	35.00	0.00	0	0	0
Top of the Tubesheet									
Hot Leg	22	37.68	13.30	136	44.36	15.99	99	43.27	17.61
Cold Leg	76	40.46	16.07	139	43.11	12.63	136	40.32	14.68
Above the Tubesheet									
Hot Leg	582	31.11	10.81	290	40.86	18.69	367	33.40	13.23
Cold Leg	649	31.54	10.06	640	34.75	11.43	911	35.61	11.44
At the Support Plate									
Hot Leg	33	28.70	6.04	36	31.44	9.32	22	35.23	14.37
Cold Leg	532	30.46	7.71	197	32.45	8.70	195	37.20	11.16
In the U-Bend									
Hot Leg	90	29.68	7.37	48	29.88	7.98	66	27.53	6.27
Cold Leg	2	29.00	4.24	1	60.00	6.00	0	0.00	0

n = Number of Indications

Av = Arithmetic Mean

S.D. = Standard Deviation

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SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR ALL INDICATIONS RECORDED AS $\geq 20\%$ AT BOTH
 THE NOVEMBER, 1983 AND MAY, 1983 INSPECTIONS

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	0	0.00	0.00	0	0.00	0.00	1	6.00	0.00
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	7	-6.43	12.16	79	8.54	13.04	63	11.08	16.13
Cold Leg	7	-1.00	34.67	20	14.90	10.04	88	2.63	13.17
Above the Tubesheet									
Hot Leg	178	4.82	7.15	106	8.39	12.40	181	2.44	11.68
Cold Leg	148	4.86	11.60	232	2.97	10.08	558	1.34	10.69
At the Support Plate									
Hot Leg	2	2.50	4.95	5	4.40	3.44	3	-1.33	8.08
Cold Leg	80	3.05	9.11	98	0.09	9.08	96	7.97	10.33
In the U-Bend									
Hot Leg	31	0.23	4.79	20	-0.50	7.13	5	-1.40	5.03
Cold Leg	0	0.00	0.00	1	25.00	0.00	0	0.00	0.00

n = Number of Indications $\geq 20\%$ that were compared in both inspections ($\pm 1"$ elevation criterion)

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

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SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR INDICATIONS RECORDED AS $\geq 20\%$ AT BOTH
 THE NOVEMBER, 1983 AND MAY, 1983 INSPECTIONS.
 (PLUGGABLE INDICATIONS DELETED)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	5	-8.80	10.31	46	3.39	9.32	40	1.90	10.11
Cold Leg	5	-19.80	11.99	12	12.58	8.13	65	-3.46	9.84
Above the Tubesheet									
Hot Leg	173	4.28	6.30	87	4.32	8.20	168	-0.20	7.52
Cold Leg	135	2.33	8.11	209	1.34	8.61	501	-0.80	7.49
At the Support Plate									
Hot Leg	2	2.50	4.95	5	4.40	3.44	3	-1.33	8.08
Cold Leg	80	2.59	9.02	94	-0.92	7.51	74	5.87	8.47
In the U-Bend									
Hot Leg	30	-0.07	4.58	20	-0.50	7.13	5	-1.40	5.03
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

n = Number of Indications $\geq 20\%$ that were compared in both inspections ($\pm 1"$ elevation criterion)

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation.

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR ALL "NEW" INDICATIONS AT THE NOVEMBER, 1983 INSPECTION
 (INDICATIONS NOT PREVIOUSLY REPORTED OR AT ELEVATIONS
 NOT WITHIN ± 1 INCH OF INDICATIONS PREVIOUSLY REPORTED IN MAY, 1983)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	13	71.15	26.45	10	80.60	9.43	9	86.33	23.15
Cold Leg	3	32.33	5.51	1	35.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	13	35.15	11.83	33	41.73	16.78	20	44.35	20.55
Cold Leg	51	39.61	17.18	72	42.13	13.35	29	35.10	11.15
Above the Tubesheet									
Hot Leg	226	30.89	12.73	105	48.29	22.62	142	35.13	15.66
Cold Leg	399	30.15	9.02	329	33.27	11.50	249	33.69	11.86
At the Support Plate									
Hot Leg	27	28.63	6.59	29	31.17	9.53	20	35.75	14.99
Cold Leg	316	29.07	7.50	71	31.82	8.03	66	35.33	10.61
In the U-Bend									
Hot Leg	56	28.25	5.99	21	30.91	7.24	44	27.25	6.31
Cold Leg	2	29.00	4.24	0	0.00	0.00	0	0.00	0.00

n = Number of "New" Indications $\geq 20\%$ in November, 1983

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR "NEW" INDICATIONS AT THE NOVEMBER, 1983 INSPECTION
 ((INDICATIONS NOT PREVIOUSLY REPORTED OR AT ELEVATIONS
 NOT WITHIN ± 1 INCH OF INDICATIONS PREVIOUSLY REPORTED IN MAY, 1983)

(PLUGGABLE INDICATIONS DELETED)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	3	25.33	2.89	0	0.00	0.00	1	27.00	0.00
Cold Leg	3	32.33	5.51	1	35.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	12	33.33	10.28	25	34.00	8.57	11	30.00	10.29
Cold Leg	39	31.51	8.38	55	36.91	8.65	26	32.54	8.23
Above the Tubesheet									
Hot Leg	205	27.45	6.22	57	29.44	6.82	121	29.57	7.04
Cold Leg	386	29.04	6.48	302	30.58	6.39	225	30.72	6.86
At the Support Plate									
Hot Leg	27	28.63	6.59	28	29.96	7.10	19	32.74	6.76
Cold Leg	311	28.74	6.77	69	31.04	6.57	58	32.53	7.57
In the U-Bend									
Hot Leg	56	28.25	5.99	20	29.95	5.92	44	27.25	6.31
Cold Leg	2	29.00	4.24	0	0.00	0.00	0	0.00	0.00

n = Number of "New" Indications $\geq 20\%$ in November, 1983

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR ALL INDICATIONS RECORDED AS $\geq 20\%$ AT BOTH
 THE NOVEMBER, 1983 AND MAY, 1983 INSPECTIONS

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	0	0.00	0.00	0	0.00	0.00	2	10.00	5.66
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	7	-6.43	12.16	82	9.44	14.06	63	11.08	16.13
Cold Leg	7	-1.00	34.67	27	14.74	9.73	92	3.26	13.45
Above the Tubesheet									
Hot Leg	197	4.73	6.98	112	8.16	12.21	201	2.47	11.43
Cold Leg	177	4.15	10.79	289	3.48	11.37	624	1.49	10.84
At the Support Plate									
Hot Leg	3	-6.00	15.13	9	3.67	4.09	3	-1.33	8.08
Cold Leg	84	2.85	9.11	110	0.41	8.71	102	7.64	10.16
In the U-Bend									
Hot Leg	41	-0.05	4.80	24	-1.00	6.76	10	-1.70	7.97
Cold Leg	0	0.00	0.00	1	25.00	0.00	0	0.00	0.00

n = Number of Indications $\geq 20\%$ that were compared in both inspections (± 2 " elevation criterion)

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR INDICATIONS RECORDED AS $\geq 20\%$ AT BOTH
 THE NOVEMBER, 1983 AND MAY, 1983 INSPECTIONS

(PLUGGABLE INDICATIONS DELETED)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	5	-8.80	10.31	47	3.57	9.30	40	1.90	10.11
Cold Leg	5	-19.80	11.99	17	12.24	8.17	68	-2.88	9.89
Above the Tubesheet									
Hot Leg	191	4.18	6.15	94	4.33	7.94	189	0.12	7.63
Cold Leg	164	2.13	8.13	256	1.17	8.61	561	-0.78	7.51
At the Support Plate									
Hot Leg	3	-6.00	15.13	9	3.67	4.09	3	-1.33	8.08
Cold Leg	83	2.60	8.89	105	-0.58	7.24	80	5.60	8.27
In the U-Bend									
Hot Leg	40	-0.28	4.63	24	-1.00	6.76	10	-1.70	7.97
Cold Leg	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

n = Number of Indications $\geq 20\%$ that were compared in both inspections ($\pm 2"$ elevation criterion)

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR ALL "NEW" INDICATIONS AT THE NOVEMBER, 1983 INSPECTION
 (INDICATIONS NOT PREVIOUSLY REPORTED OR AT ELEVATION
 NOT WITHIN ± 2 INCHES OF INDICATIONS PREVIOUSLY REPORTED IN MAY, 1983)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	13	71.15	26.45	10	80.60	9.43	9	86.33	23.15
Cold Leg	3	32.33	5.51	1	35.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	10	36.90	11.67	20	40.45	17.54	12	42.58	22.21
Cold Leg	50	39.08	16.93	71	42.06	13.43	21	35.00	11.74
Above the Tubesheet									
Hot Leg	155	31.06	14.61	88	51.38	23.08	108	36.25	17.41
Cold Leg	339	30.24	9.08	216	31.98	10.27	141	32.82	11.31
At the Support Plate									
Hot Leg	26	28.89	6.59	23	30.44	10.29	19	36.05	15.34
Cold Leg	295	28.87	7.41	56	31.13	8.11	48	34.54	10.99
In the U-Bend									
Hot Leg	41	27.46	5.51	14	29.86	7.53	40	26.55	5.63
Cold Leg	2	29.00	4.24	0	0.00	0.00	0	0.00	0.00

n = Number of "New" Indications $\geq 20\%$ in November, 1983

Av. = Arithmetic Mean Growth of Indications

S.D. = Standard Deviation

H. B. ROBINSON UNIT #2

SUMMARY OF EDDY CURRENT INDICATION GROWTH STATISTICS
 FOR "NEW" INDICATIONS AT THE NOVEMBER, 1983 INSPECTION
 (INDICATIONS NOT PREVIOUSLY REPORTED OR AT ELEVATIONS
 NOT WITHIN ± 2 INCHES OF INDICATIONS PREVIOUSLY REPORTED IN MAY, 1983)

(PLUGGABLE INDICATIONS DELETED)

<u>LOCATION</u>	<u>S/G A</u>			<u>S/G B</u>			<u>S/G C</u>		
	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>	<u>n</u>	<u>Av. (%)</u>	<u>S.D. (%)</u>
Below the Tubesheet									
Hot Leg	3	25.33	2.89	0	0.00	0.00	1	27.00	0.00
Cold Leg	3	32.33	5.51	1	35.00	0.00	0	0.00	0.00
Top of the Tubesheet									
Hot Leg	9	34.67	9.85	17	34.41	9.25	7	28.29	9.25
Cold Leg	39	31.51	8.38	54	36.72	8.62	19	32.16	7.96
Above the Tubesheet									
Hot Leg	135	25.99	5.32	43	29.63	6.64	87	28.79	6.99
Cold Leg	327	29.05	6.36	202	30.00	6.48	128	30.12	6.96
At the Support Plate									
Hot Leg	26	28.89	6.59	22	28.86	7.17	18	32.89	6.92
Cold Leg	292	28.55	6.71	54	30.11	6.07	43	32.00	8.08
In the U-Bend									
Hot Leg	41	27.46	5.51	13	28.31	5.01	40	26.55	5.63
Cold Leg	2	29.00	4.24	0	0.00	0.00	0	0.00	0.00

n = Number of "New" Indications $\geq 20\%$ in November, 1983

Av.= Arithmetic Mean Growth of Indications

S.D.= Standard Deviation

H. B. ROBINSON UNIT #2SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR A INLET

<u>ELEVATION OF INTEREST</u>				<u>TYPE OF COMPARISON</u> *		
				<u>Previous</u> <u>Indications</u>	<u>Newly Reported</u> <u>Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=	185/ 178		239/ 217	424/ 395
	Growth(%)	=	4.39/3.91		31.13/27.78	19.46/17.02
	Rate(%/EFPM)	=	1.21/1.07		8.55/ 7.63	5.35/ 4.68
B. TSP	n	=	2/2		27/27	29/29
	Growth(%)	=	2.50/2.50		28.63/28.63	26.83/26.83
	Rate(%/EFPM)	=	0.69/0.69		7.87/7.87	7.37/7.37
C. U-Bend	n	=	31/30		56/56	87/86
	Growth(%)	=	0.23/-0.07		28.65/28.25	18.27/18.37
	Rate(%/EFPM)	=	0.69/-0.02		7.76/7.76	5.02/5.05
D. (A&B&C)	n	=	218/210		322/300	540/510
	Growth(%)	=	3.78/3.33		30.42/27.94	19.66/17.81
	Rate(%/EFMP)	=	1.04/0.91		8.36/7.98	5.40/4.89

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.

Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

H. B. ROBINSON UNIT #2SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR A OUTLET

ELEVATION OF INTERESTTYPE OF COMPARISON *

			<u>Previous</u> <u>Indications</u>	<u>Newly Reported</u> <u>Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=	155/140	450/425	605/565
	Growth(%)	=	4.59/1.54	31.22/29.27	24.40/22.40
	Rate(%/EFPM)	=	1.26/0.42	8.58/8.04	6.70/6.15
B. TSP	n	=	80/80	316/311	396/391
	Growth(%)	=	3.05/3.05	29.07/28.74	23.81/23.48
	Rate(%/EFPM)	=	0.84/0.84	7.99/7.90	6.54/6.45
C. U-Bend	n	=	0/0	2/2	2/2
	Growth(%)	=	0/0	29.00/29.00	29.00/29.00
	Rate(%/EFPM)	=	0/0	7.97/7.97	7.97/7.97
D. (A&B&C)	n	=	235/220	768/738	1003/958
	Growth(%)	=	4.07/2.09	30.33/29.05	24.18/22.85
	Rate(%/EFMP)	=	1.12/0.57	8.33/7.98	6.64/6.28

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.

Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR B INLET

ELEVATION OF INTERESTTYPE OF COMPARISON *

				Previous Indications	Newly Reported Indications	Combined
A. TTS & ATS	n	=		185/133	138/82	323/215
	Growth(%)	=		8.45/4.00	46.72/30.83	24.80/14.23
	Rate(%/EFPM)	=		2.32/1.10	12.84/ 8.47	6.81/ 3.91
B. TSP	n	=		5/5	29/28	34/33
	Growth(%)	=		4.40/4.40	31.17/29.96	27.23/26.09
	Rate(%/EFPM)	=		1.21/1.21	8.56/8.23	7.48/7.17
C. U-Bend	n	=		20/20	21/20	41/40
	Growth(%)	=		-0.50/-0.50	30.91/29.95	15.59/14.73
	Rate(%/EFPM)	=		-0.03/-0.03	8.49/8.23	4.28/4.05
D. (A&B&C)	n	=		210/158	188/130	398/288
	Growth(%)	=		7.50/3.44	42.56/30.51	24.06/15.66
	Rate(%/EFMP)	=		2.06/0.95	11.69/8.38	6.61/4.30

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.

Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTIONFOR STEAM GENERATOR B OUTLET

<u>ELEVATION OF INTEREST</u>			<u>TYPE OF COMPARISON*</u>		
			<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=	252/221	401/357	653/578
	Growth(%)	=	3.92/1.95	34.86/31.56	22.92/20.24
	Rate(%/EFPM)	=	1.08/0.54	9.58/8.67	6.30/5.56
B. TSP	n	=	98/94	71/69	169/163
	Growth(%)	=	0.09/-0.92	31.82/31.04	13.42/12.61
	Rate(%/EFPM)	=	0.02/-0.25	8.74/8.53	3.69/3.46
C. U-Bend	n	=	1/0	0/0	1/0
	Growth(%)	=	25.00/0	0/0	25.00/0
	Rate(%/EFPM)	=	6.87/0	0/0	6.87/0
D. (A&B&C)	n	=	351/315	472/426	823/741
	Growth(%)	=	2.91/1.09	34.40/31.48	20.97/18.56
	Rate(%/EFMP)	=	0.80/0.30	9.45/8.65	5.76/5.10

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.

Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR C INLET

ELEVATION OF INTERESTTYPE OF COMPARISON *

			Previous Indications	Newly Reported Indications	Combined
A. TTS & ATS	n	=	244/208	162/132	406/340
	Growth(%)	=	4.67/0.21	36.27/29.61	17.28/11.62
	Rate(%/EFPM)	=	1.28/0.06	9.96/8.13	4.75/3.19
B. TSP	n	=	3/3	20/19	23/22
	Growth(%)	=	-1.33/-1.33	35.75/32.74	30.91/28.09
	Rate(%/EFPM)	=	-0.37/-0.37	9.82/8.99	8.49/7.72
C. U-Bend	n	=	5/5	44/44	49/49
	Growth(%)	=	-1.40/-1.40	27.25 /27.25	24.33 /24.33
	Rate(%/EFPM)	=	-0.38/-0.38	7.49 /7.49	6.68 /6.68
D. (A&B&C)	n	=	252/216	226/195	478/411
	Growth(%)	=	4.48/0.15	34.47/29.38	18.66 /14.02
	Rate(%/EFMP)	=	1.23/0.04	9.47/8.07	5.13/3.85

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.
Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.
*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR C OUTLET

ELEVATION OF INTERESTTYPE OF COMPARISON *

				Previous Indications	Newly Reported Indications	Combined
A. TTS & ATS	n	=		646/566	278/251	924/817
	Growth(%)	=		1.52/-1.11	33.84/30.91	11.24/8.73
	Rate(%/EFPM)	=		0.42/-0.30	9.30/8.49	3.09/2.40
B. TSG	n	=		96/74	66/58	162/132
	Growth(%)	=		7.97/5.87	35.33/32.53	19.12/17.58
	Rate(%/EFPM)	=		2.19/1.61	9.71/ 8.94	5.25/4.83
C. U-Bend	n	=		0/0	0/0	0/0
	Growth(%)	=		0/0	0/0	0/0
	Rate(%/EFPM)	=		0/0	0/0	0/0
D. (A&B&C)	n	=		742/640	344/309	1086/949
	Growth(%)	=		2.35/-0.30	34.13/31.21	12.42/9.96
	Rate(%/EFPM)	=		0.65/-0.08	9.38/8.57	3.41/2.74

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\pm 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 1 inch for each date for each separate tube.
Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 1 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR A INLET

<u>ELEVATION OF INTEREST</u>				<u>TYPE OF COMPARISON*</u>		
				<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=		204/196	165/144	369/340
	Growth(%)	=		4.34/3.85	31.41/26.54	16.44/13.46
	Rate(%/EFPM)	=		1.19/1.06	8.63/7.29	4.52/3.70
B. TSP	n	=		3/3	26/26	29/29
	Growth(%)	=		-6.00/-6.00	28.89/28.89	25.28/25.28
	Rate(%/EFPM)	=		-1.65/-1.65	7.94/7.94	6.95/6.95
C. U-Bend	n	=		41/40	41/41	82/81
	Growth(%)	=		-0.05/-0.28	27.46/27.46	13.71/13.76
	Rate(%/EFPM)	=		-0.01/-0.08	7.54/7.54	3.77/3.78
D. (A&B&C)	n	=		248/239	232/211	480/450
	Growth(%)	=		3.49/3.04	30.43/27.01	16.51/14.28
	Rate(%/EFMP)	=		0.96/0.84	8.36/7.42	4.54/3.92

NOTES:

n = number of comparisons

Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 2 inch for each date for each separate tube.
Newly Reported Indications - are those recorded as NDD in May, 1983 or recorded at elevations outside a range of ± 2 inch of indications observed in May, 1983 for each separate tube.

*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR A OUTLET

ELEVATION OF INTERESTTYPE OF COMPARISON *

				Previous Indications	Newly Reported Indications	Combined
A. TTS & ATS	n	=		184/169	389/366	573/535
	Growth(%)	=		3.96/1.49	31.38/29.31	22.57/20.52
	Rate(%/EFPM)	=		1.09/0.41	8.62/8.05	6.20/5.64
B. TSP	n	=		84/83	295/292	379/275
	Growth(%)	=		2.85/2.60	28.87/28.55	23.10/22.81
	Rate(%/EFPM)	=		0.78/0.71	7.93/7.84	6.35/6.27
C. U-Bend	n	=		0/0	2/2	2/2
	Growth(%)	=		0/0	29.00/29.00	29.00/29.00
	Rate(%/EFPM)	=		0/0	7.97/7.97	7.97/7.97
D. (A&B&C)	n	=		268/252	686/660	954/912
	Growth(%)	=		3.61/1.86	30.29/28.97	22.79/21.48
	Rate(%/EFMP)	=		0.99/0.51	8.32/7.96	6.26/5.90

NOTES:

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Previous Indications - are those reported as $\geq 20\%$ at both the November, 1983 and May, 1983 inspections and for reported elevations within ± 2 inch for each separate tube.

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*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR B INLET

<u>ELEVATION OF INTEREST</u>				<u>TYPE OF COMPARISON</u> *		
				<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & AT5	n	=		194/141	108/60	302/201
	Growth(%)	=		8.70/4.08	49.35/30.98	23.24/12.11
	Rate(%/EFPM)	=		2.39/1.12	13.56/8.51	6.38/3.33
B. TSP	n	=		9/9	23/22	32/31
	Growth(%)	=		3.67/3.67	30.44/28.86	22.91/21.55
	Rate(%/EFPM)	=		1.01/1.01	8.36/7.93	6.29/5.92
C. U-Bend	n	=		24/24	14/13	38/37
	Growth(%)	=		-1.00/-1.00	29.86/28.31	10.37/9.30
	Rate(%/EFPM)	=		-0.27/-0.27	8.20/7.78	2.85/2.55
D. (A&B&C)	n	=		227/174	145/95	372/269
	Growth(%)	=		7.48/3.36	44.47/30.12	21.90/12.81
	Rate(%/EFMP)	=		2.05/0.92	12.22/8.27	6.02/3.52

NOTES:

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*Ratio - shows values for pluggable indications included/pluggable indications deleted.

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR B OUTLET

<u>ELEVATION OF INTEREST</u>				<u>TYPE OF COMPARISON*</u>		
				<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=		316/273	287/256	603/529
	Growth(%)	=		4.44/1.86	34.47/31.42	18.71/16.17
	Rate(%/EFPM)	=		1.22/0.51	9.47/8.63	5.14/4.44
B. TSP	n	=		110/105	56/54	166/159
	Growth(%)	=		0.41/-0.58	31.13/30.11	10.77/9.84
	Rate(%/EFPM)	=		0.11/-0.16	8.55/8.27	2.96/2.70
C. U-Bend	n	=		1/0	0/0	1/0
	Growth(%)	=		25.00/0	0/0	25.00/0
	Rate(%/EFPM)	=		6.87/0	0/0	6.87/0
D. (A&B&C)	n	=		427/378	343/310	770/688
	Growth(%)	=		3.45/1.18	33.92/31.19	17.02/14.71
	Rate(%/EFMP)	=		0.95/0.32	9.32/8.57	4.68/4.04

NOTES:

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H. B. ROBIN UNIT #2

SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR C INLET

<u>ELEVATION OF INTEREST</u>				<u>TYPE OF COMPARISON*</u>		
				<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=		264/229	120/94	384/323
	Growth(%)	=		4.53/0.43	36.88/28.76	14.64/8.67
	Rate(%/EFPM)	=		1.24/0.12	10.13/ 7.90	4.02/2.38
B. TSP	n	=		3/3	19/18	22/21
	Growth(%)	=		-1.33/-1.33	36.05/32.89	30.95/28.00
	Rate(%/EFPM)	=		-0.37/-0.37	9.90/9.04	8.50/7.69
C. U-Bend	n	=		10/10	40/40	50/50
	Growth(%)	=		-1.70/-1.70	26.55/26.55	20.90/20.90
	Rate(%/EFPM)	=		-0.47/-0.47	7.29/7.29	5.74/5.74
D. (A&B&C)	n	=		277/242	179/152	456/394
	Growth(%)	=		4.24/0.32	34.48/28.67	16.11/11.25
	Rate(%/EFMP)	=		1.17/0.09	9.47/7.88	4.42/3.09

NOTES:

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*Ratio - shows values for pluggable indications included/pluggable indications deleted.

H. B. ROBINSON UNIT #2SUMMARY OF EDDY CURRENT INDICATIONGROWTH RATE CALCULATIONS FOR NOVEMBER, 1983

STEAM GENERATOR INSPECTION
(FOR 3.64 EFPM OF OPERATION PRIOR TO INSPECTION
FOR STEAM GENERATOR C OUTLET

<u>ELEVATION OF INTEREST</u>			<u>TYPE OF COMPARISON *</u>		
			<u>Previous Indications</u>	<u>Newly Reported Indications</u>	<u>Combined</u>
A. TTS & ATS	n	=	716/629	162/147	878/776
	Growth(%)	=	1.72/-1.01	33.10/30.38	7.51/4.94
	Rate(%/EFPM)	=	0.47/-0.28	9.09/8.35	2.06/1.36
B. TSP	n	=	102/ 80	48/43	150/123
	Growth(%)	=	7.64/5.60	34.54/32.00	16.25/14.83
	Rate(%/EFPM)	=	2.10/1.54	9.49/8.79	4.46/4.07
C. U-Bend	n	=	0/0	0/0	0/0
	Growth(%)	=	0/0	0/0	0/0
	Rate(%/EFPM)	=	0/0	0/0	0/0
D. (A&B&C)	n	=	818/709	210/190	1028/899
	Growth(%)	=	2.46/-0.26	33.43/30.75	8.79/6.29
	Rate(%/EFMP)	=	0.68/-0.07	9.18/8.45	2.41/1.73

NOTES:

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01/09/84

EDDY CURRENT ANALYSIS FOR CPL A HOT LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	71.154	26.454	13
TOP OF THE TUBE SHEET	37.682	13.300	22
ABOVE THE TUBE SHEET	31.110	10.810	582
AT THE SUPPORT PLATES	28.697	6.044	33
IN THE UBEND	29.678	7.371	90

DISTRIBUTION OF EDDY CURRENT INDICATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	8	2	1	2	0	0	0	0	0	0	4	4	2 0
TOP OF THE TUBE SHEET	249	6	6	3	3	6	1	2	1	0	0	0	0 0
ABOVE THE TUBE SHEET	0	383	242	160	101	41	14	8	5	5	5	0	1 0
AT THE SUPPORT PLATES	0	23	14	11	8	0	0	0	0	0	0	0	0 0
IN THE UBEND	0	106	43	22	14	10	1	0	0	0	0	0	0 0
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TOTALS	257	520	306	198	126	57	16	10	6	5	9	4	3 0

01/09/84

EDDY CURRENT ANALYSIS FOR CPL A COLD LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	32.333	5.508	3
TOP OF THE TUBE SHEET	40.461	16.067	76
ABOVE THE TUBE SHEET	31.535	10.064	649
AT THE SUPPORT PLATES	30.462	7.709	532
IN THE UBEND	29.000	4.243	2

DISTRIBUTION OF EDDY CURRENT INDICATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION													
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	0	1	1	0	2	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	361	33	17	10	16	15	5	2	8	0	1	0	2	0
ABOVE THE TUBE SHEET	0	351	229	195	137	55	17	6	2	3	2	1	1	1
AT THE SUPPORT PLATES	0	232	194	163	121	43	7	2	2	0	0	0	0	0
IN THE UBEND	0	1	1	1	0	0	0	0	0	0	0	0	0	0
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TOTALS	361	618	442	369	276	113	29	10	12	3	3	1	3	1

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EDDY CURRENT ANALYSIS FOR CPL B HOT LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	80.600	9.430	10
TOP OF THE TUBE SHEET	44.360	15.993	136
ABOVE THE TUBE SHEET	40.862	18.689	290
AT THE SUPPORT PLATES	31.444	9.321	36
IN THE UBEND	29.875	7.978	48

DISTRIBUTION OF EDDY CURRENT INDICATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION													
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	1	2	2	4	0	1
TOP OF THE TUBE SHEET	250	23	16	24	22	28	13	10	8	8	5	2	0	0
ABOVE THE TUBE SHEET	0	225	83	51	45	36	7	16	12	16	14	8	2	0
AT THE SUPPORT PLATES	0	42	13	10	8	4	0	0	1	0	0	0	0	0
IN THE UBEND	0	65	24	8	12	3	1	0	0	0	0	0	0	0
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TOTALS	250	355	136	93	87	71	21	26	22	26	21	14	2	1

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EDDY CURRENT ANALYSIS FOR CPL B COLD LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	35.000	0.000	1
TOP OF THE TUBE SHEET	43.108	12.631	139
ABOVE THE TUBE SHEET	34.753	11.433	640
AT THE SUPPORT PLATES	32.447	8.703	197
IN THE UBEND	60.000	0.000	1

DISTRIBUTION OF EDDY CURRENT INDICATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION													
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	0	0	0	0	1	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	484	32	14	17	21	50	16	9	8	3	0	0	0	1
ABOVE THE TUBE SHEET	0	184	146	196	151	88	21	14	9	5	5	3	2	0
AT THE SUPPORT PLATES	0	84	51	63	51	26	2	2	1	0	1	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	1	0	0	0	0	0	0
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TOTALS	484	300	211	276	224	164	39	26	18	8	6	3	2	1

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EDDY CURRENT ANALYSIS FOR CPL C HOT LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	86.333	23.152	9
TOP OF THE TUBE SHEET	43.273	17.605	99
ABOVE THE TUBE SHEET	33.401	13.226	367
AT THE SUPPORT PLATES	35.227	14.366	22
IN THE UBEND	27.530	6.274	66

DISTRIBUTION OF EDDY CURRENT INDICATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION													
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	2	0	0	1	0	0	0	0	0	0	1	0	4	3
TOP OF THE TUBE SHEET	458	61	19	15	16	14	11	7	8	4	2	1	2	0
ABOVE THE TUBE SHEET	0	298	138	87	67	36	15	6	4	7	3	3	1	0
AT THE SUPPORT PLATES	0	16	4	8	6	3	0	0	0	0	0	0	1	0
IN THE UBEND	0	209	36	18	9	3	0	0	0	0	0	0	0	0
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TOTALS	460	584	197	129	98	56	26	13	12	11	6	4	8	3

01/09/84

EDDY CURRENT ANALYSIS FOR CPL C COLD LEG NOVEMBER 1983

MEAN AND STANDARD DEVIATION OF EDDY CURRENT INDICATIONS

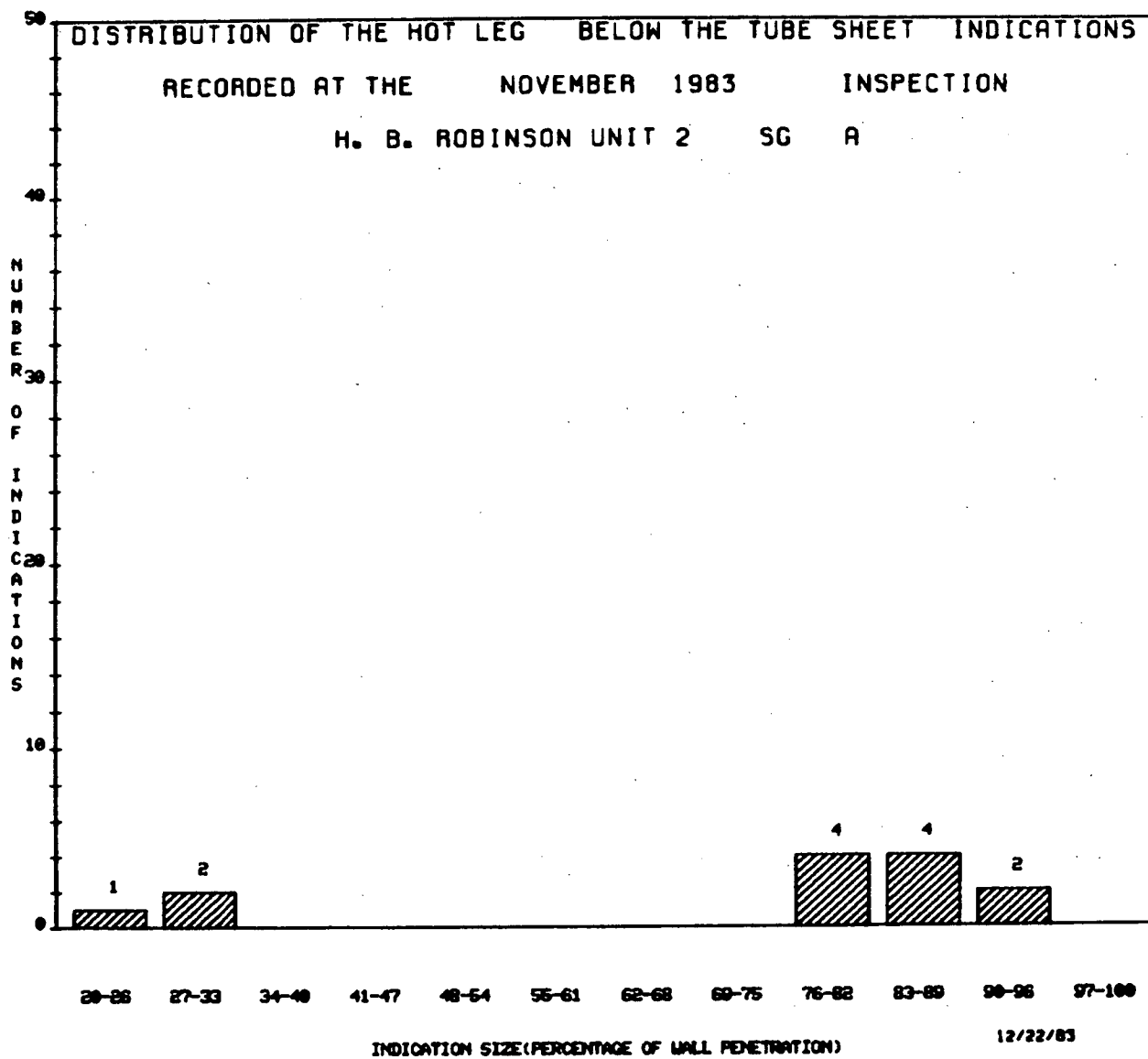
LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	40.316	14.680	136
ABOVE THE TUBE SHEET	35.614	11.435	911
AT THE SUPPORT PLATES	37.210	11.158	195
IN THE UBEND	0.000	0.000	0

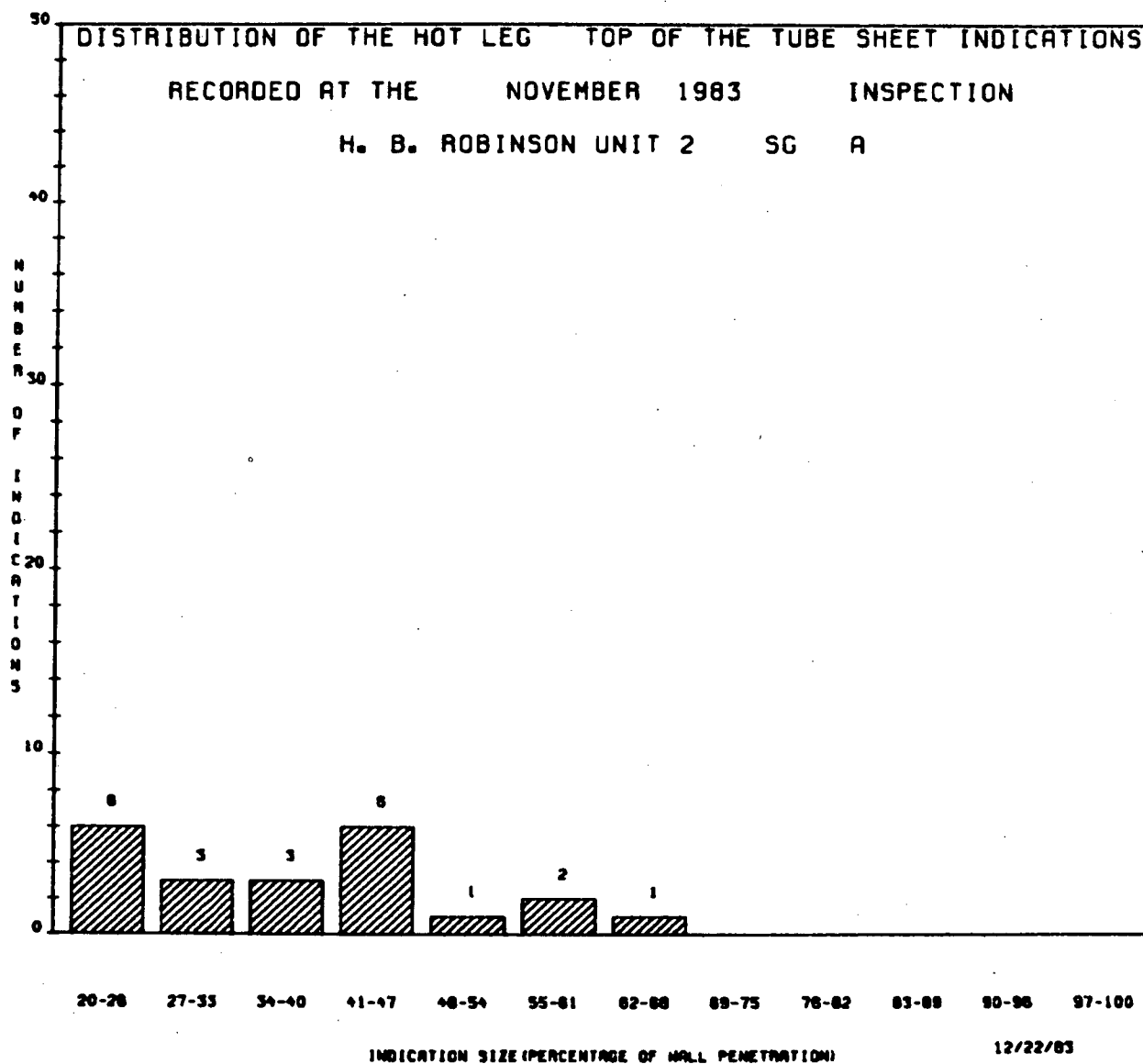
DISTRIBUTION OF EDDY CURRENT INDICATIONS

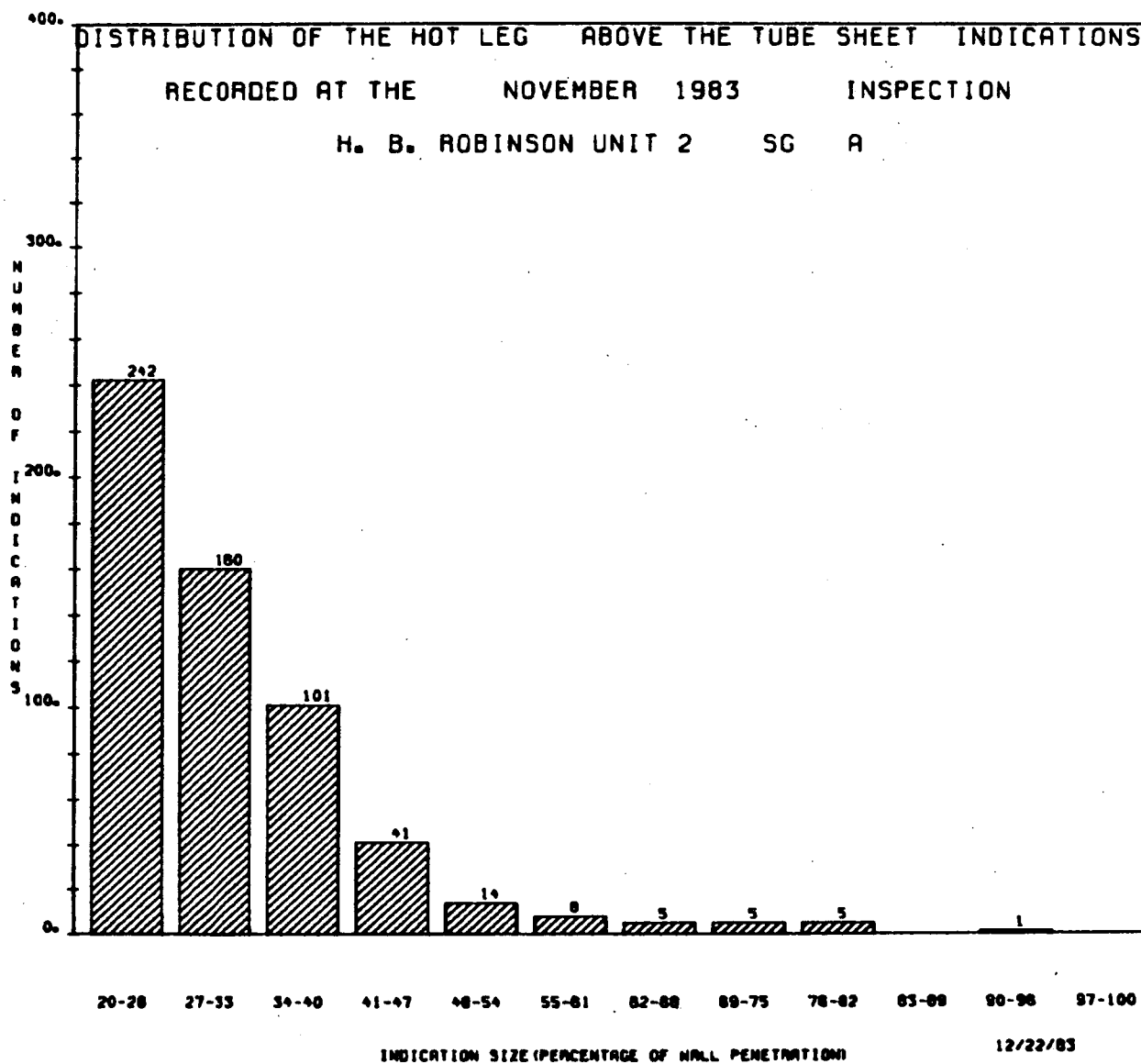
LOCATION	PERCENTAGE OF WALL PENETRATION													
	DS	<20	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	670	41	25	26	27	24	12	8	8	2	3	0	1	0
ABOVE THE TUBE SHEET	0	201	190	251	235	124	62	21	11	7	2	3	3	2
AT THE SUPPORT PLATES	0	70	36	42	55	28	19	7	6	1	1	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	670	312	251	319	317	176	93	36	25	10	6	3	4	2

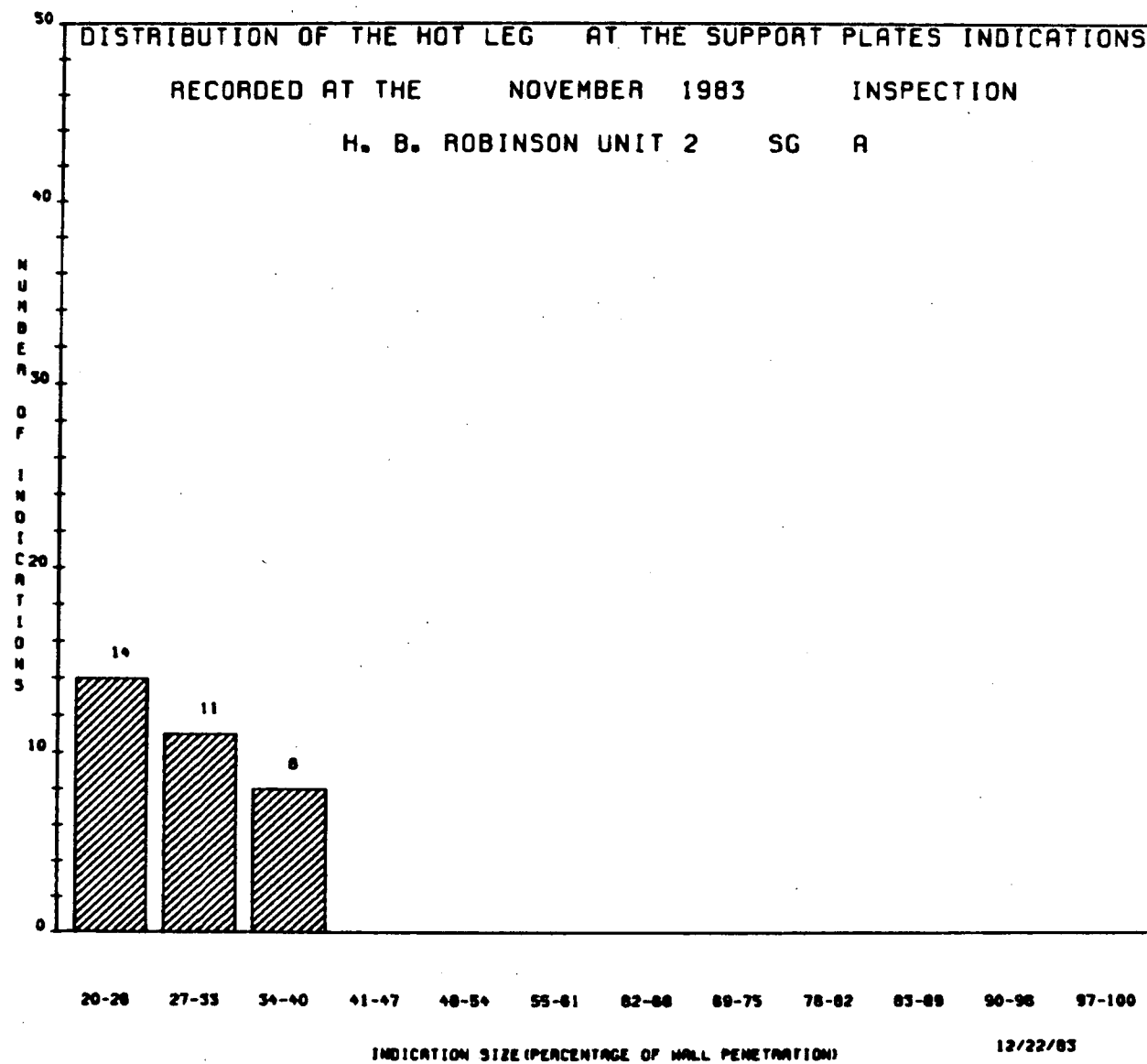
ATTACHMENT II

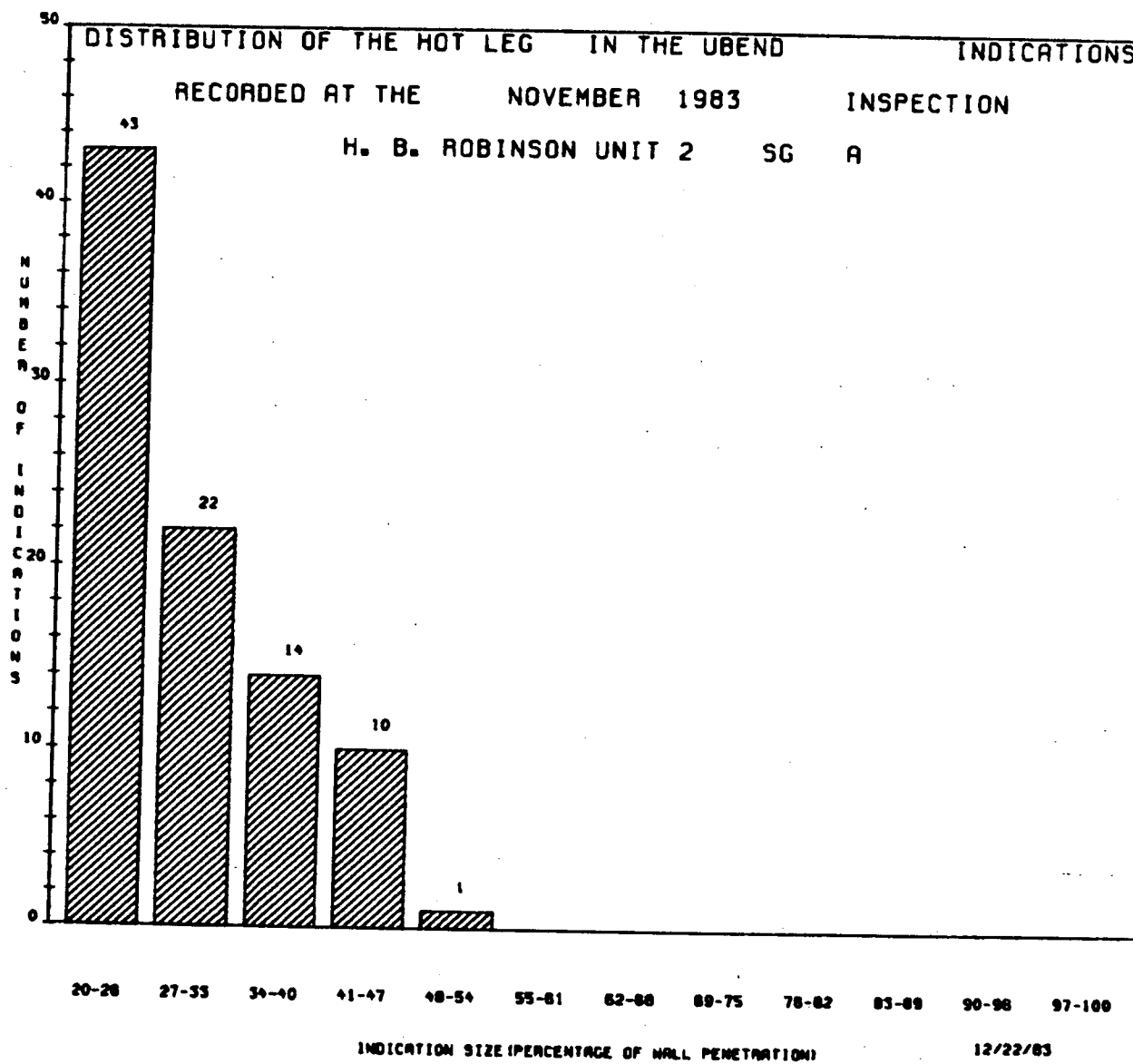
Distribution of Indications - Histograms

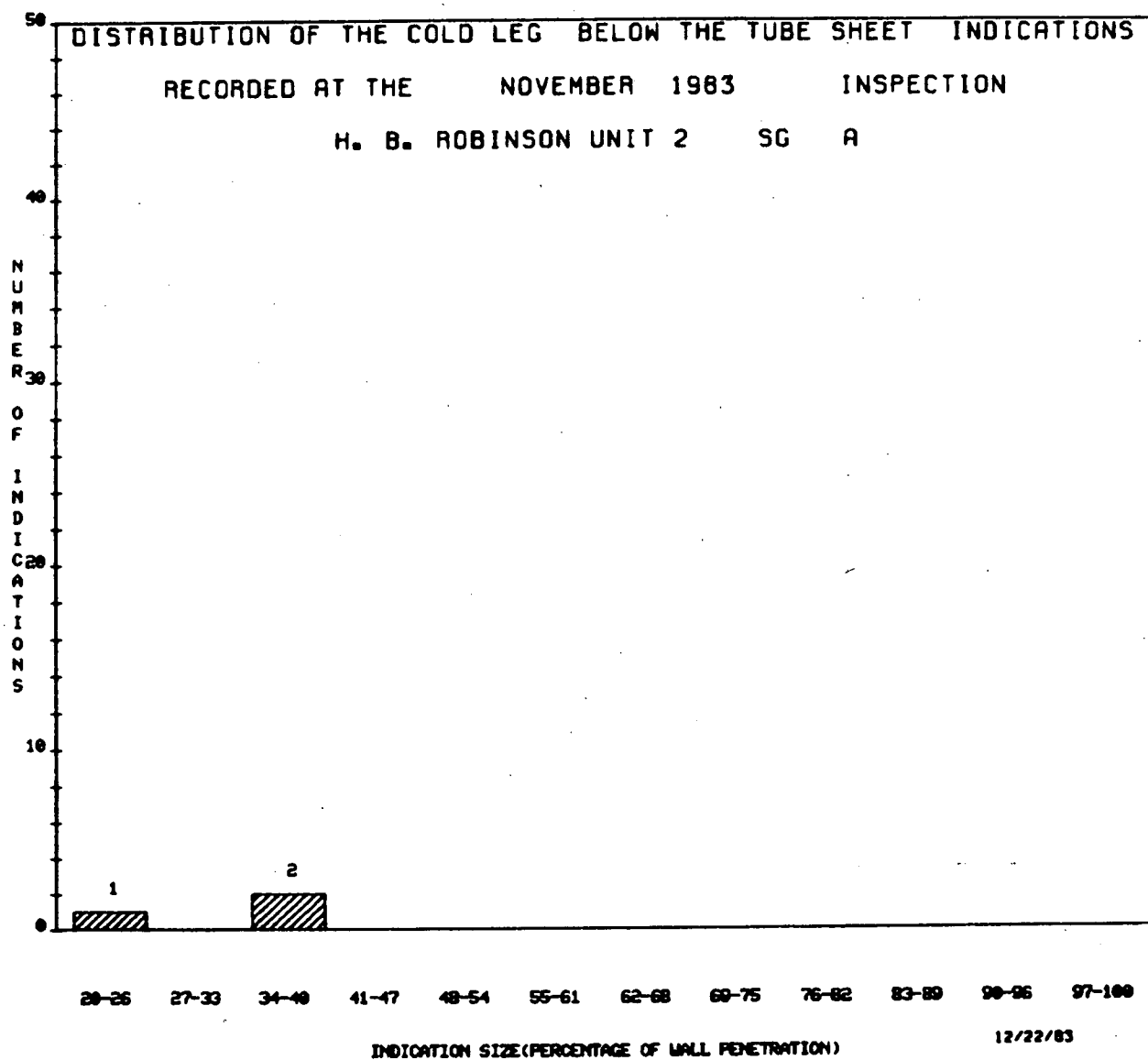


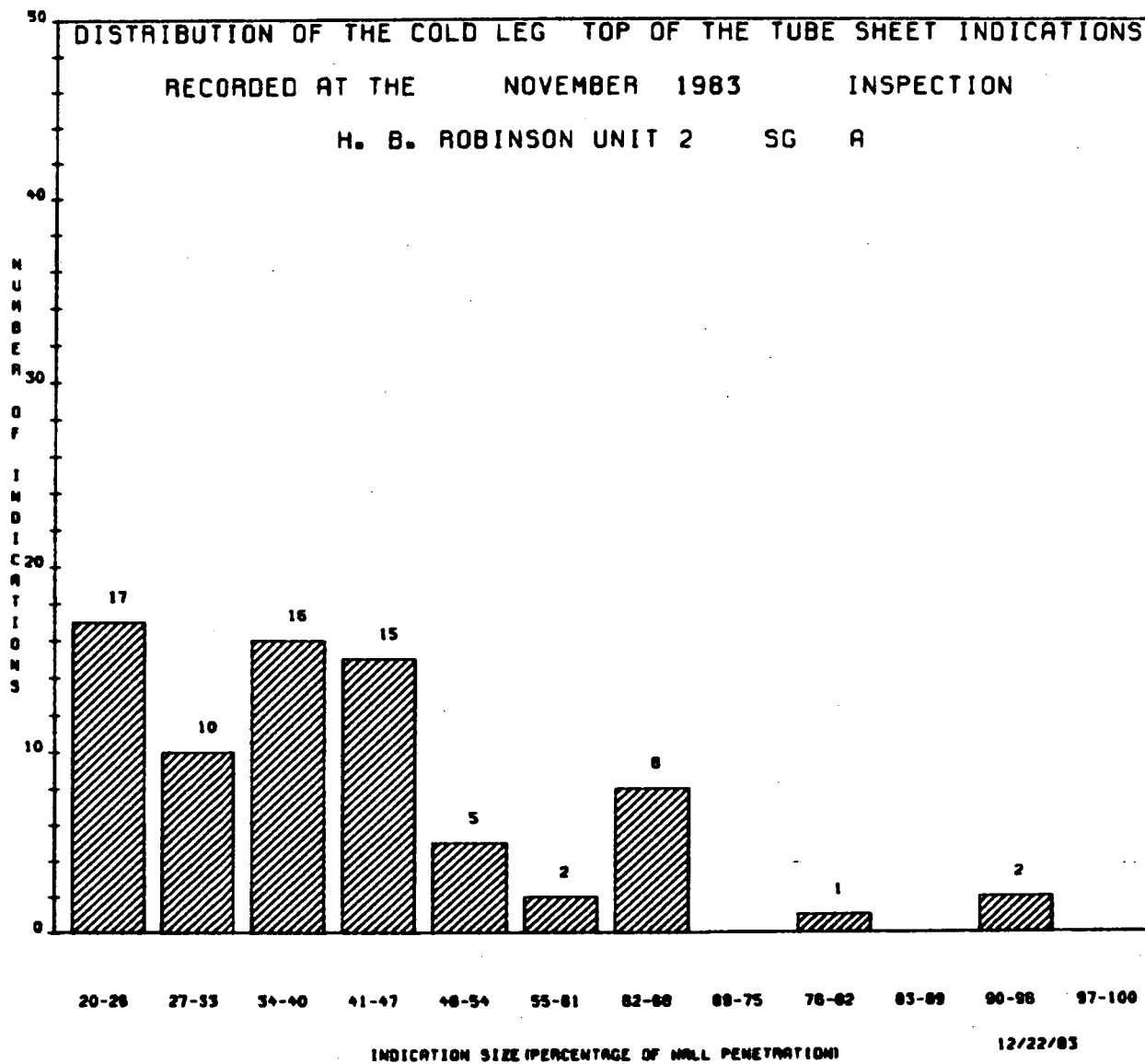


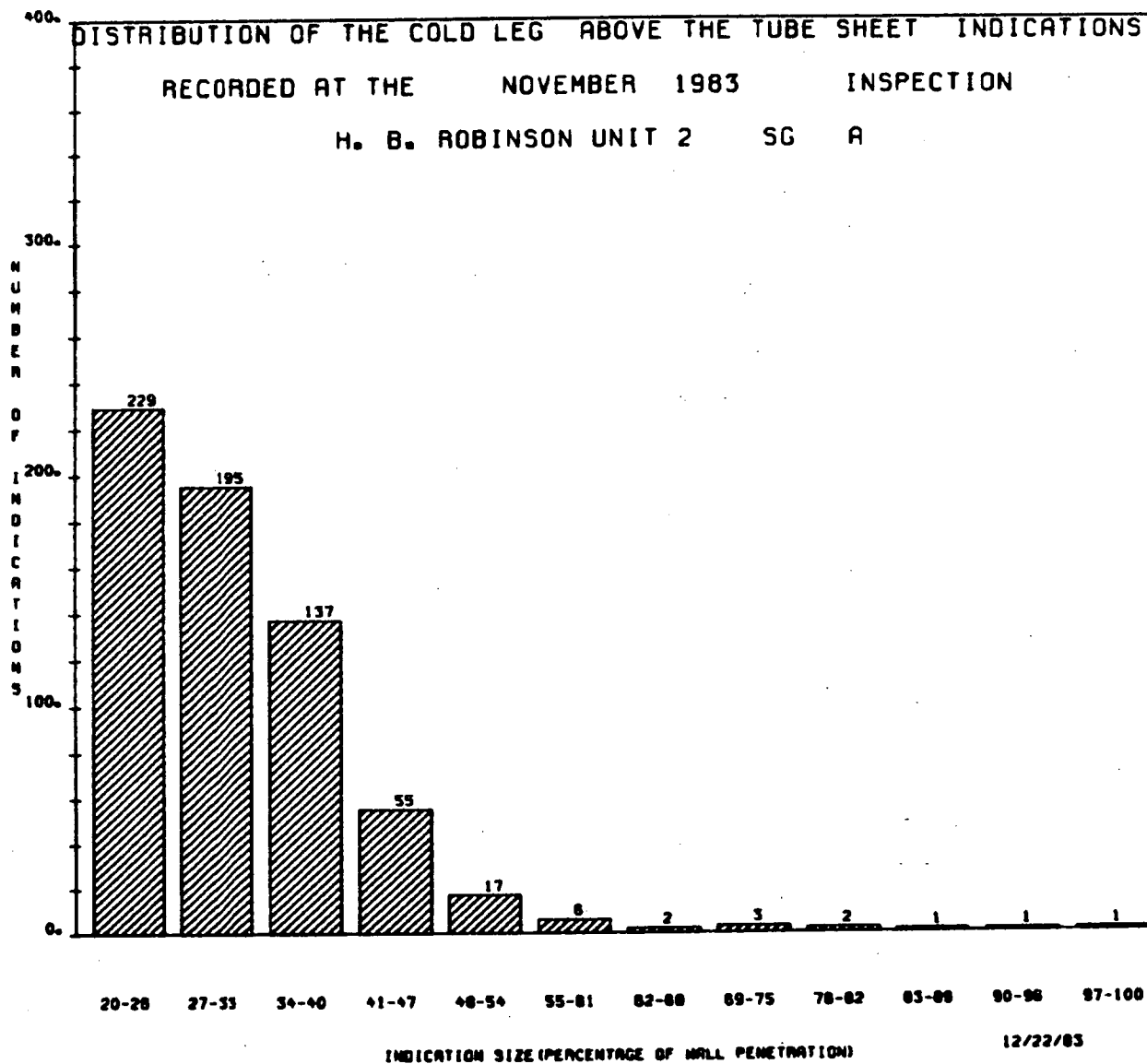


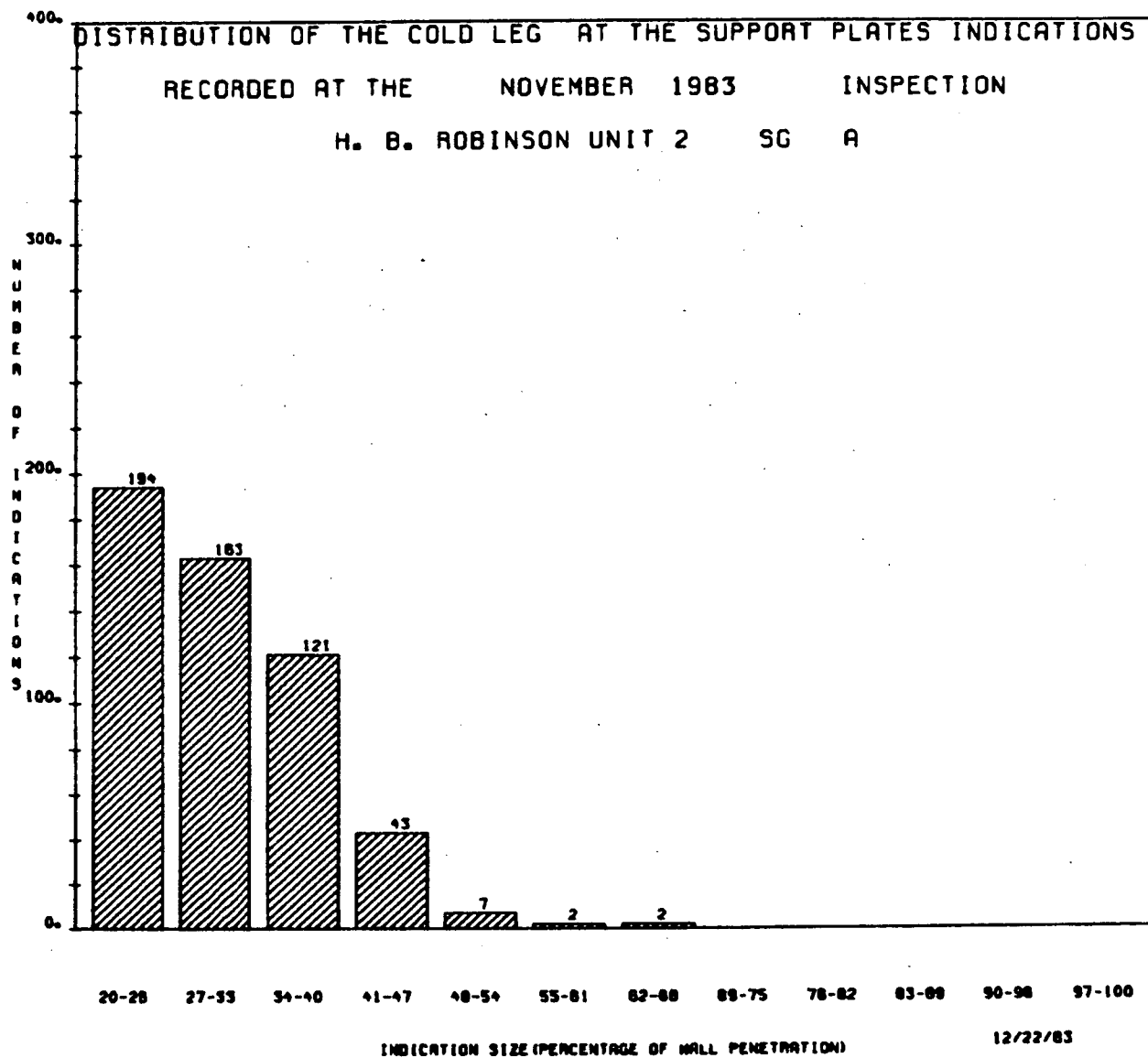


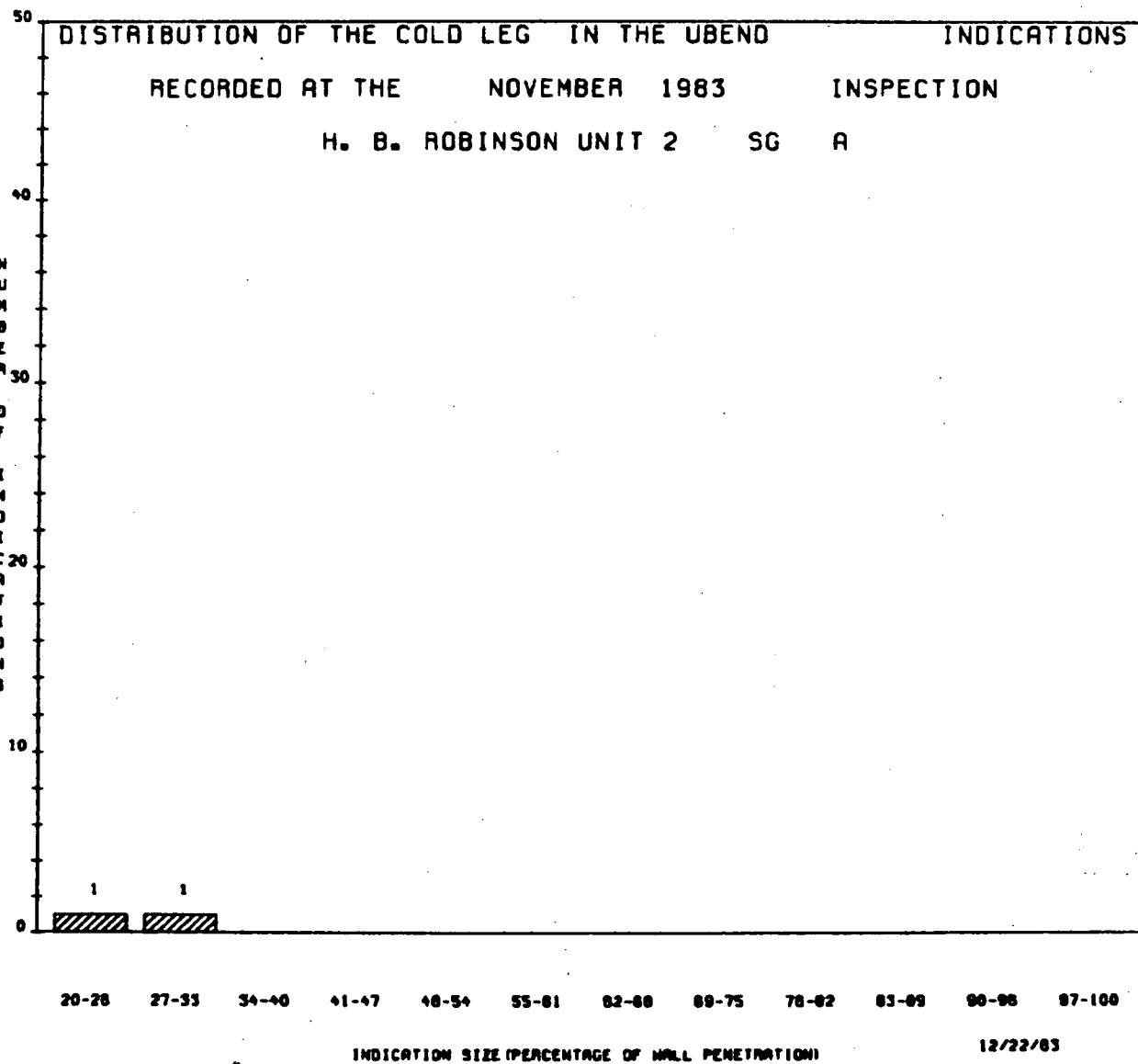


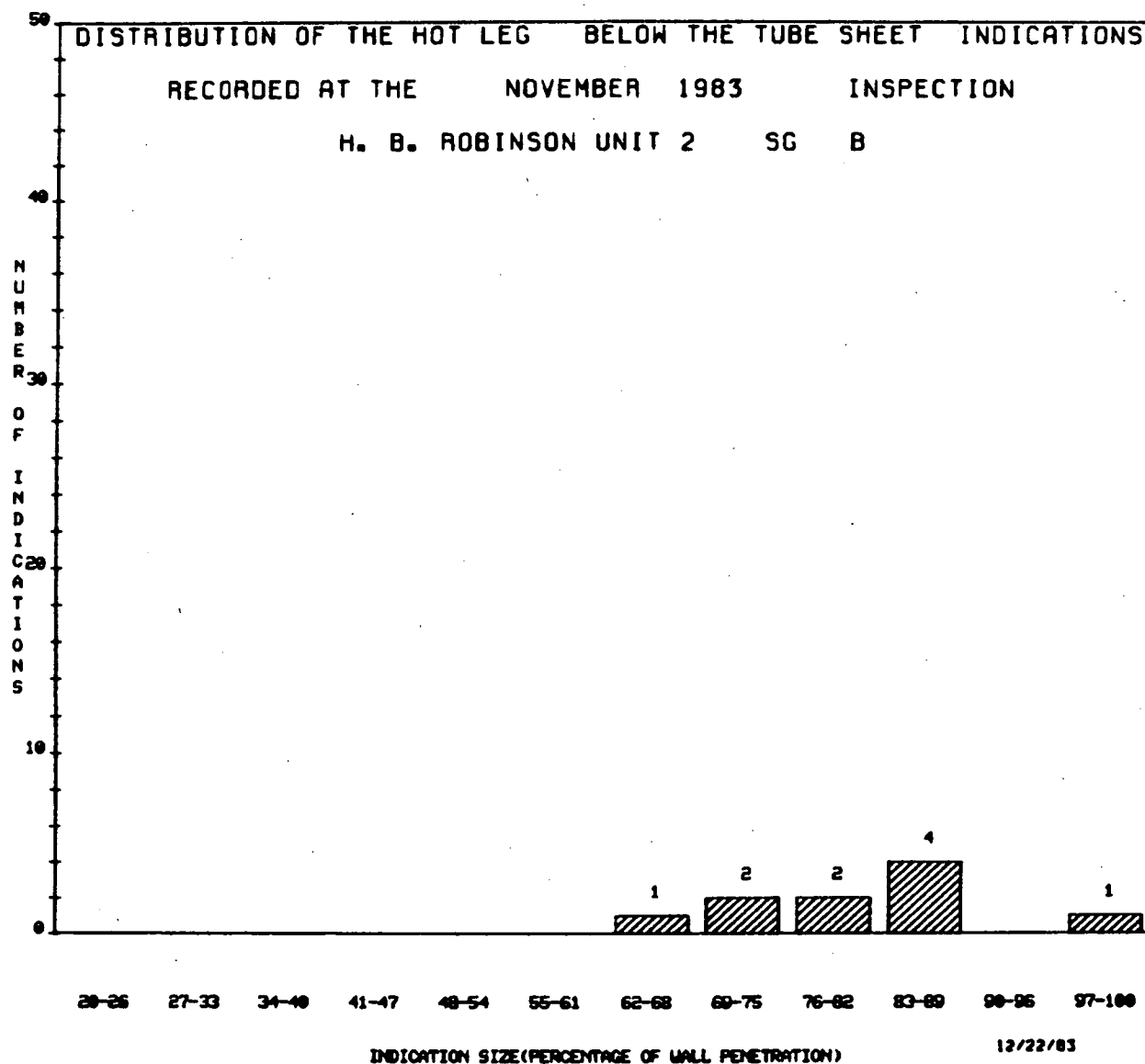


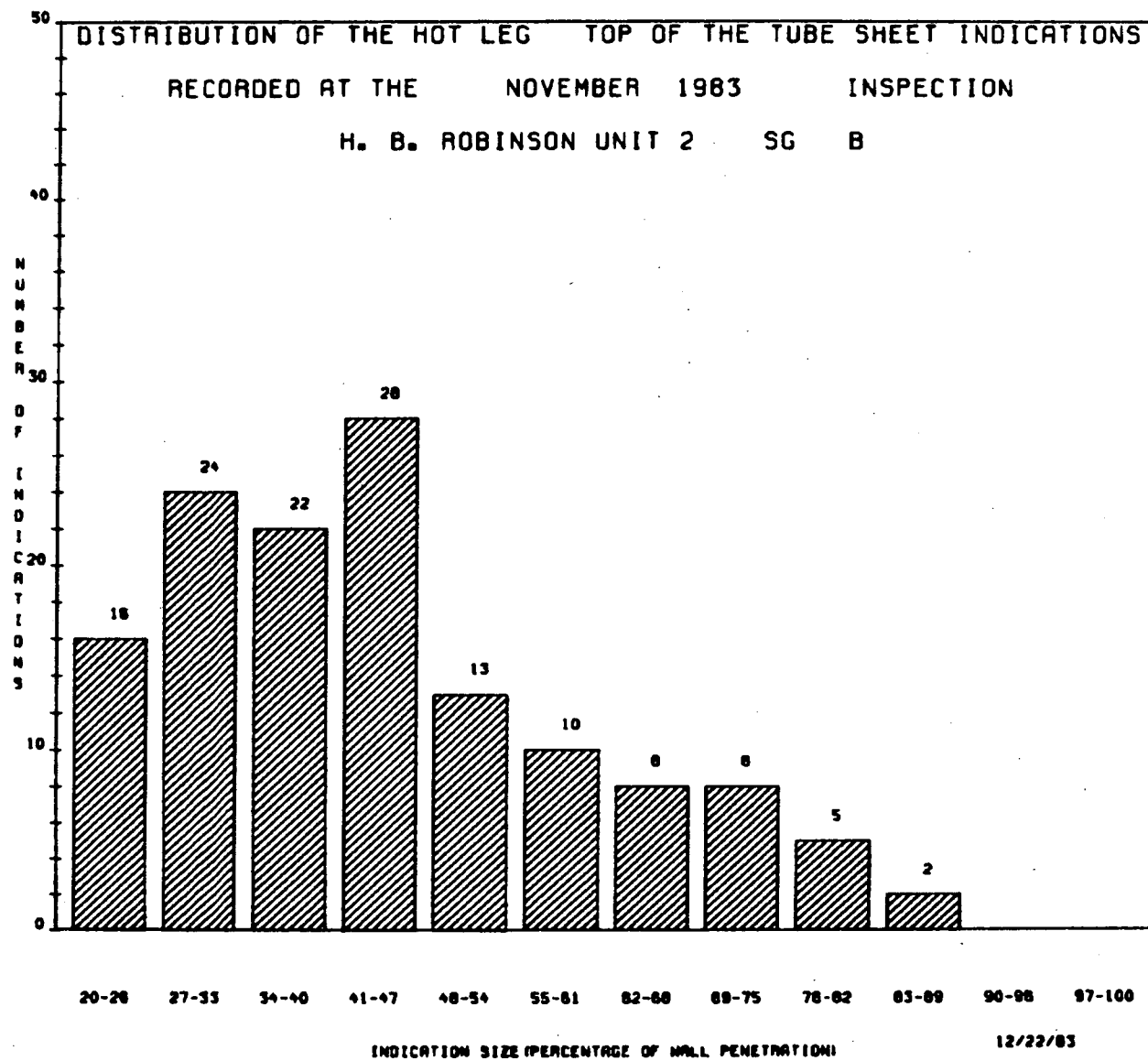


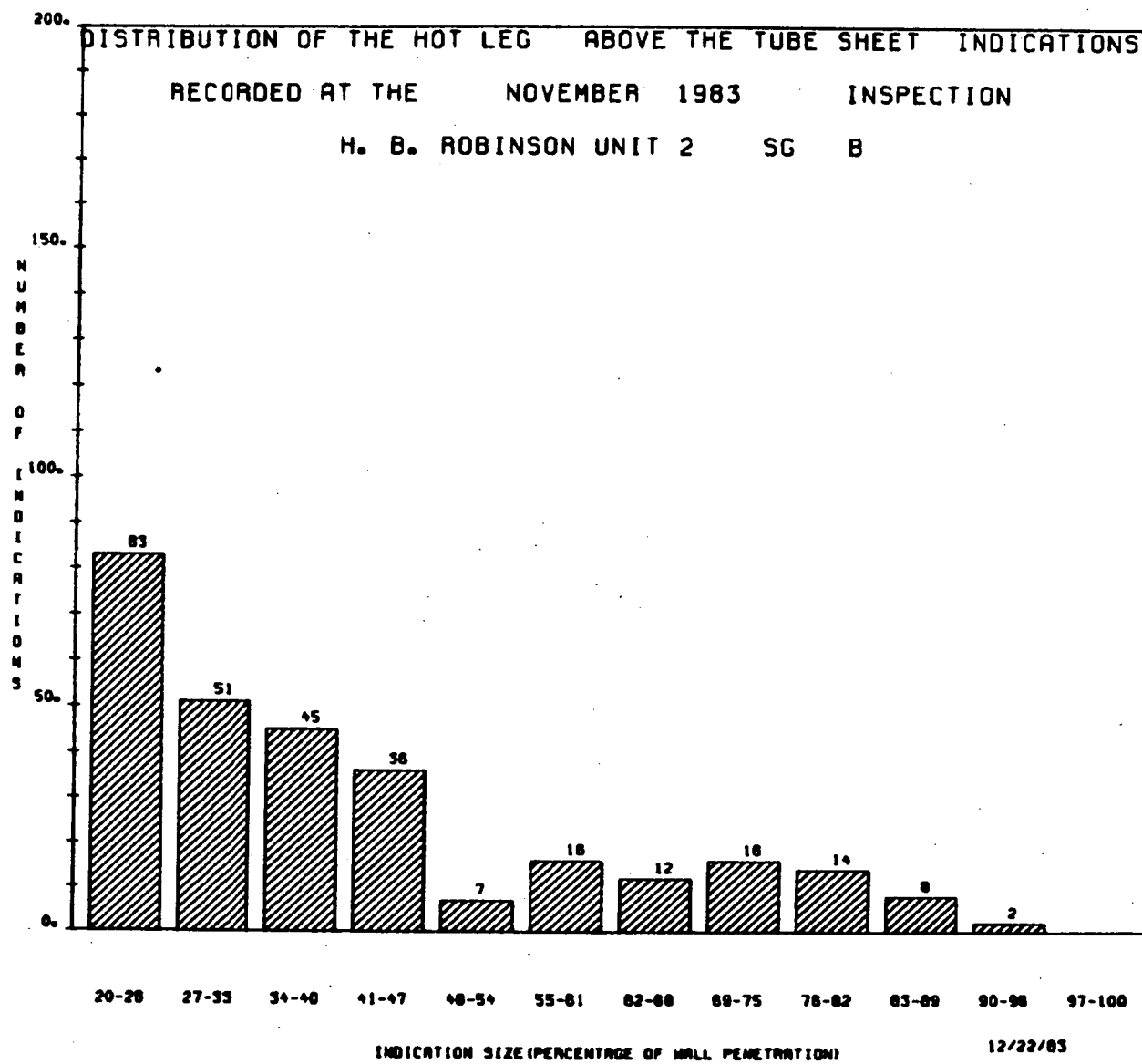


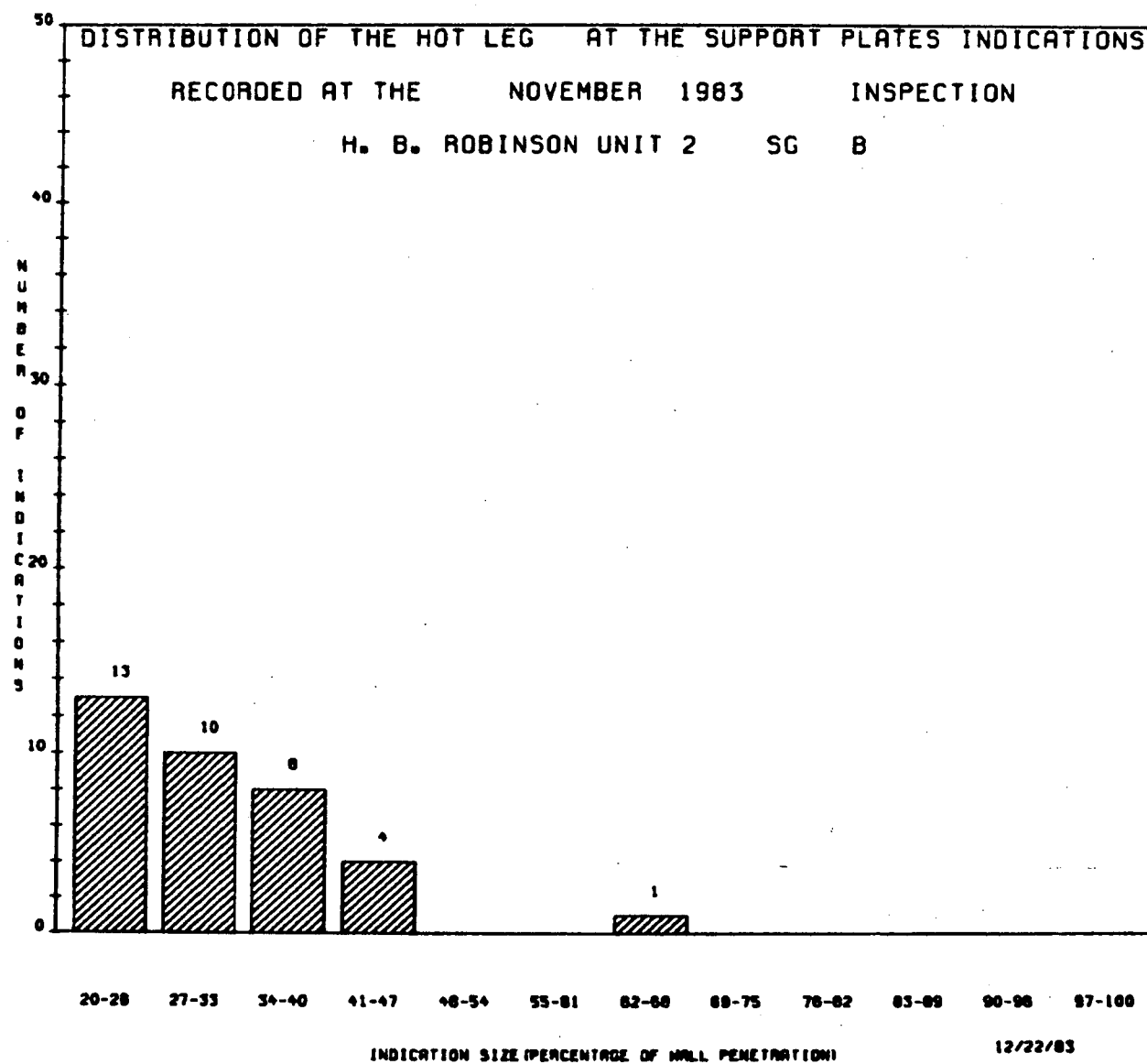


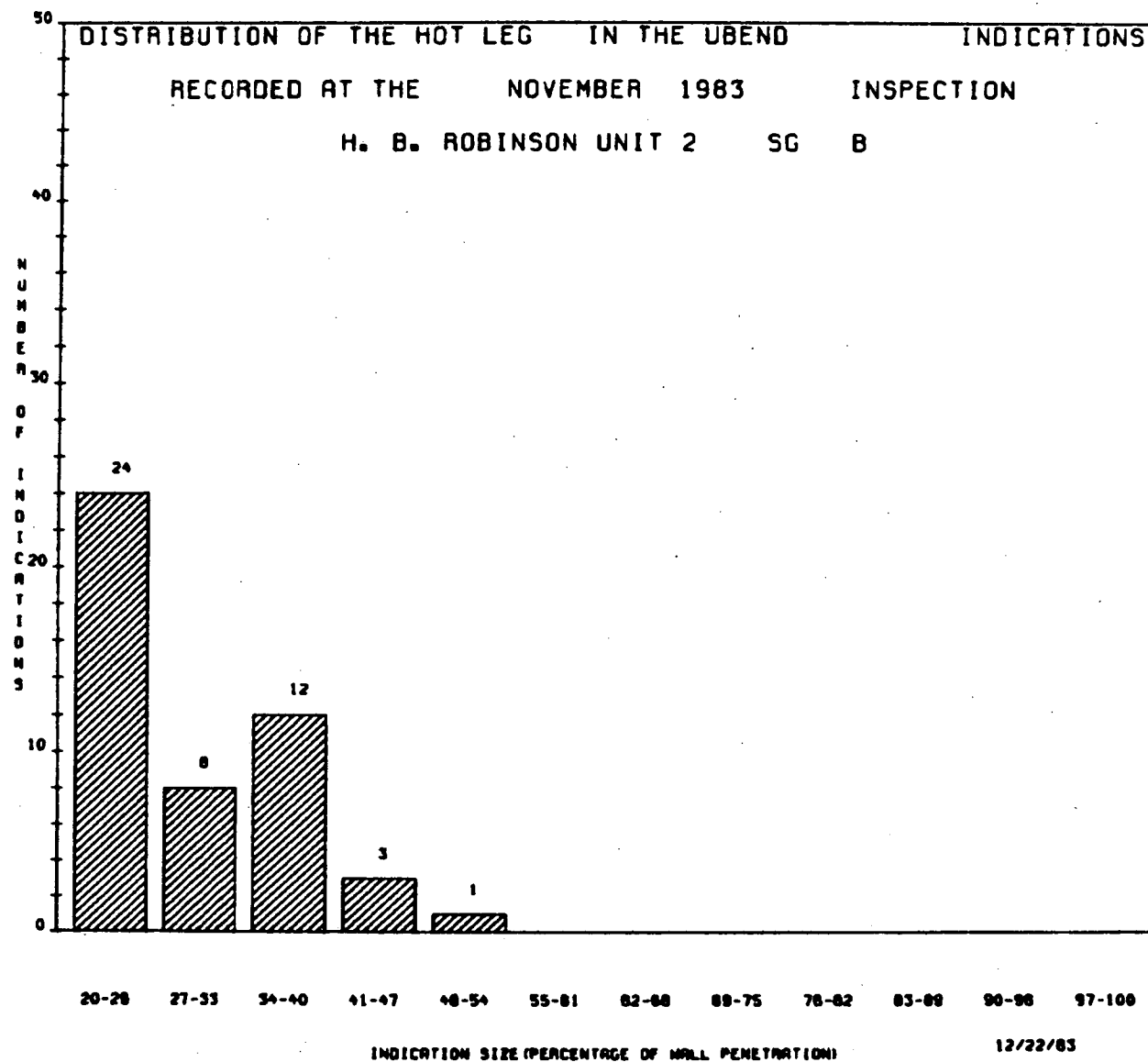


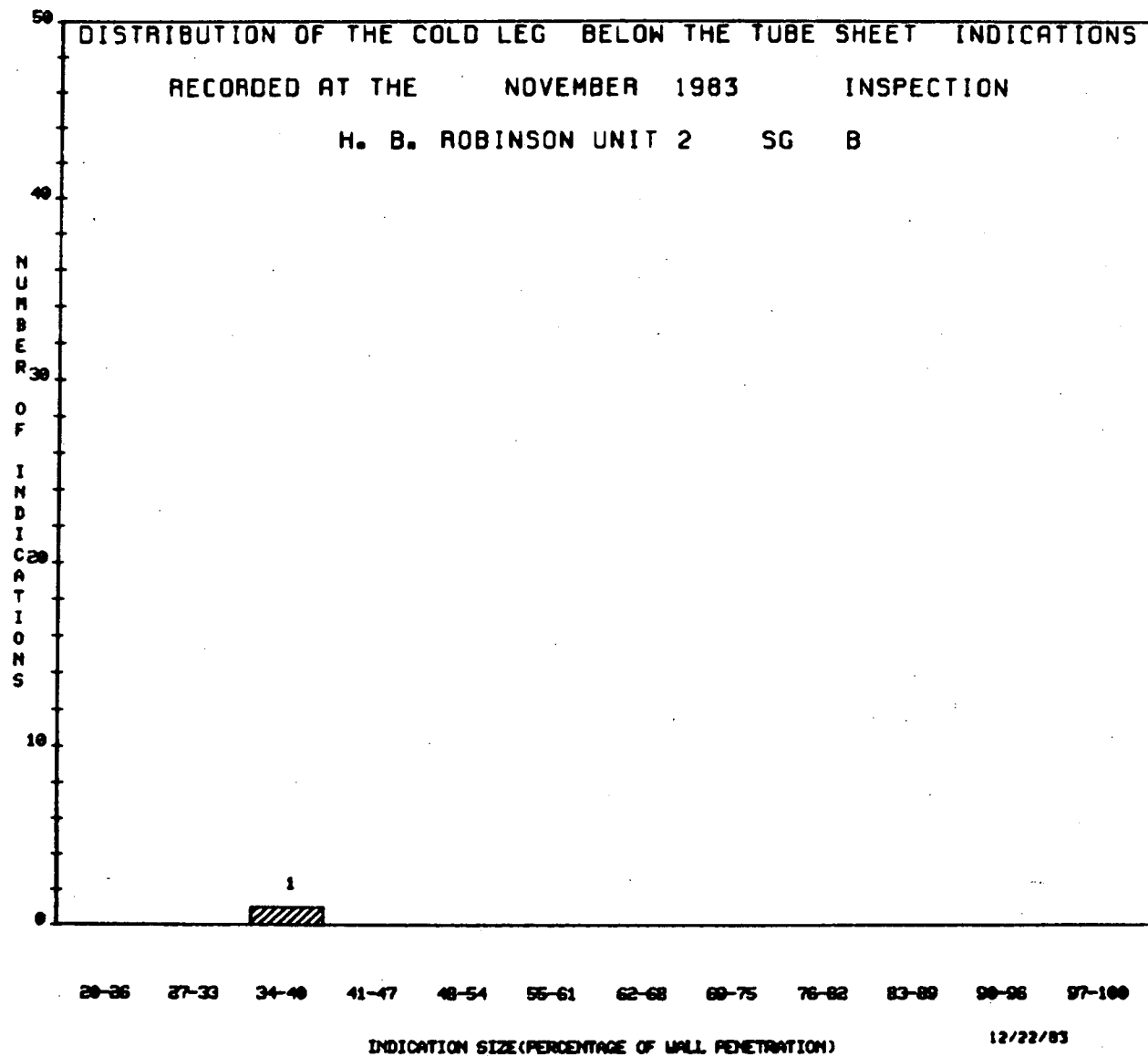


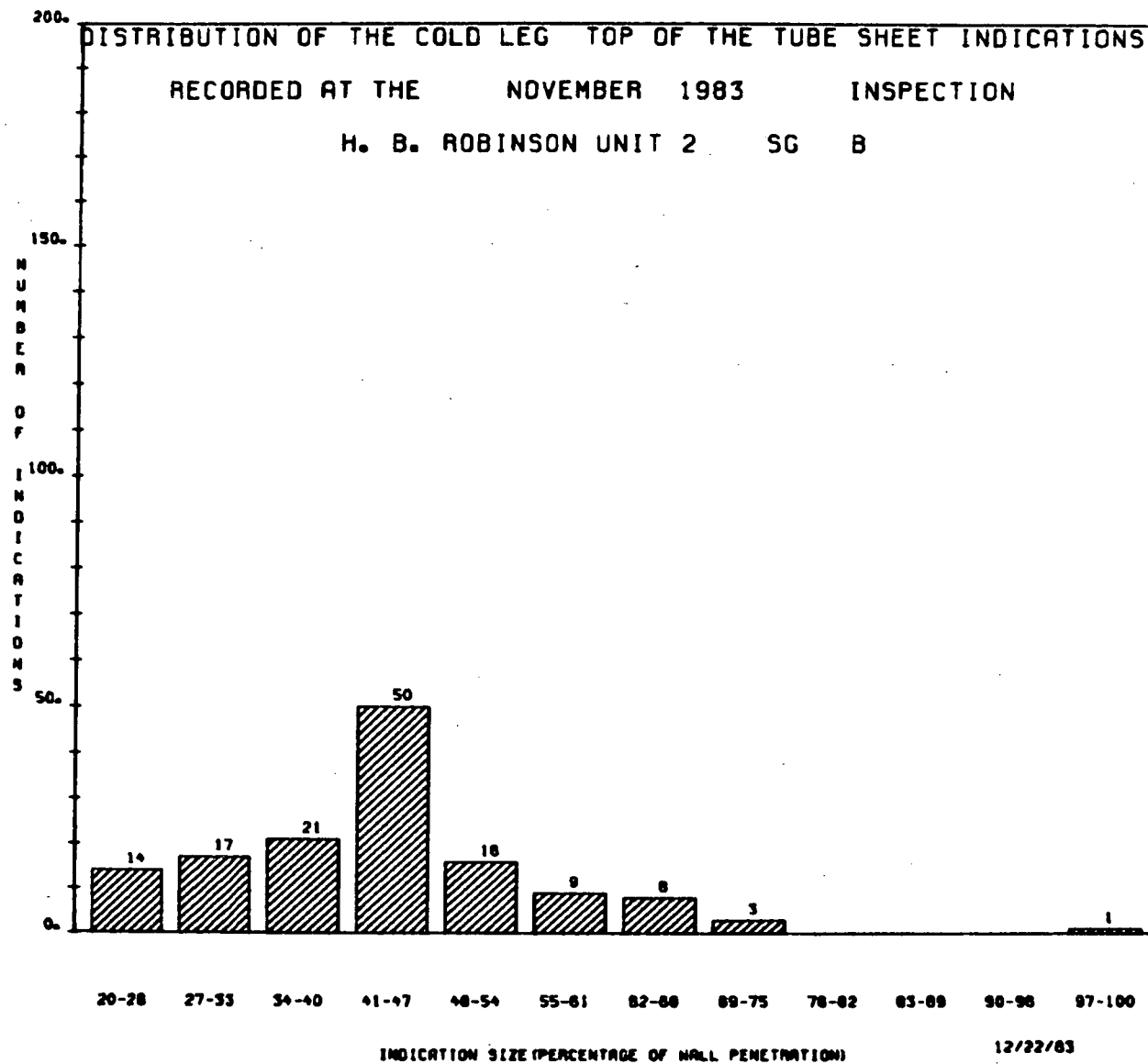


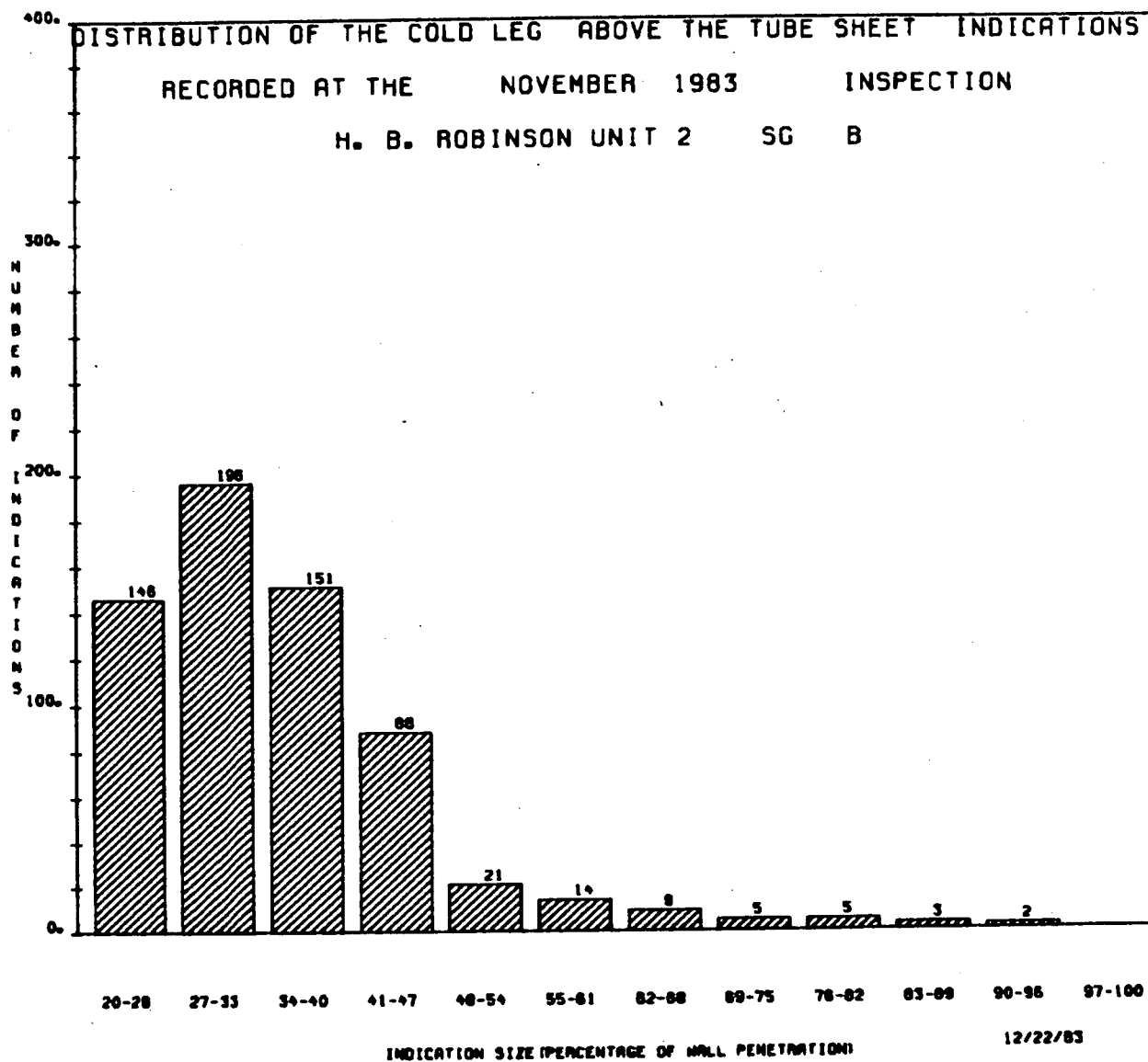


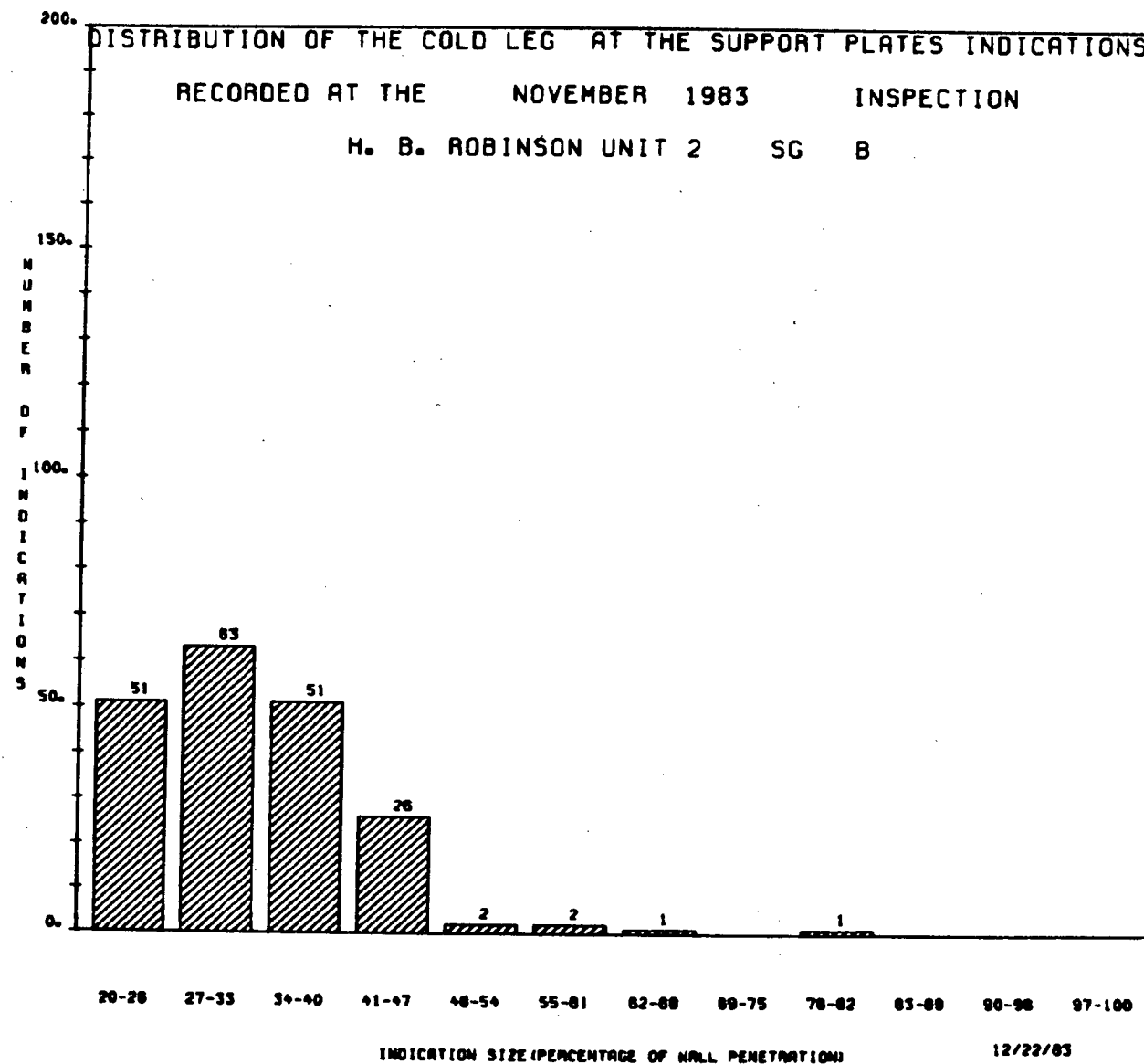


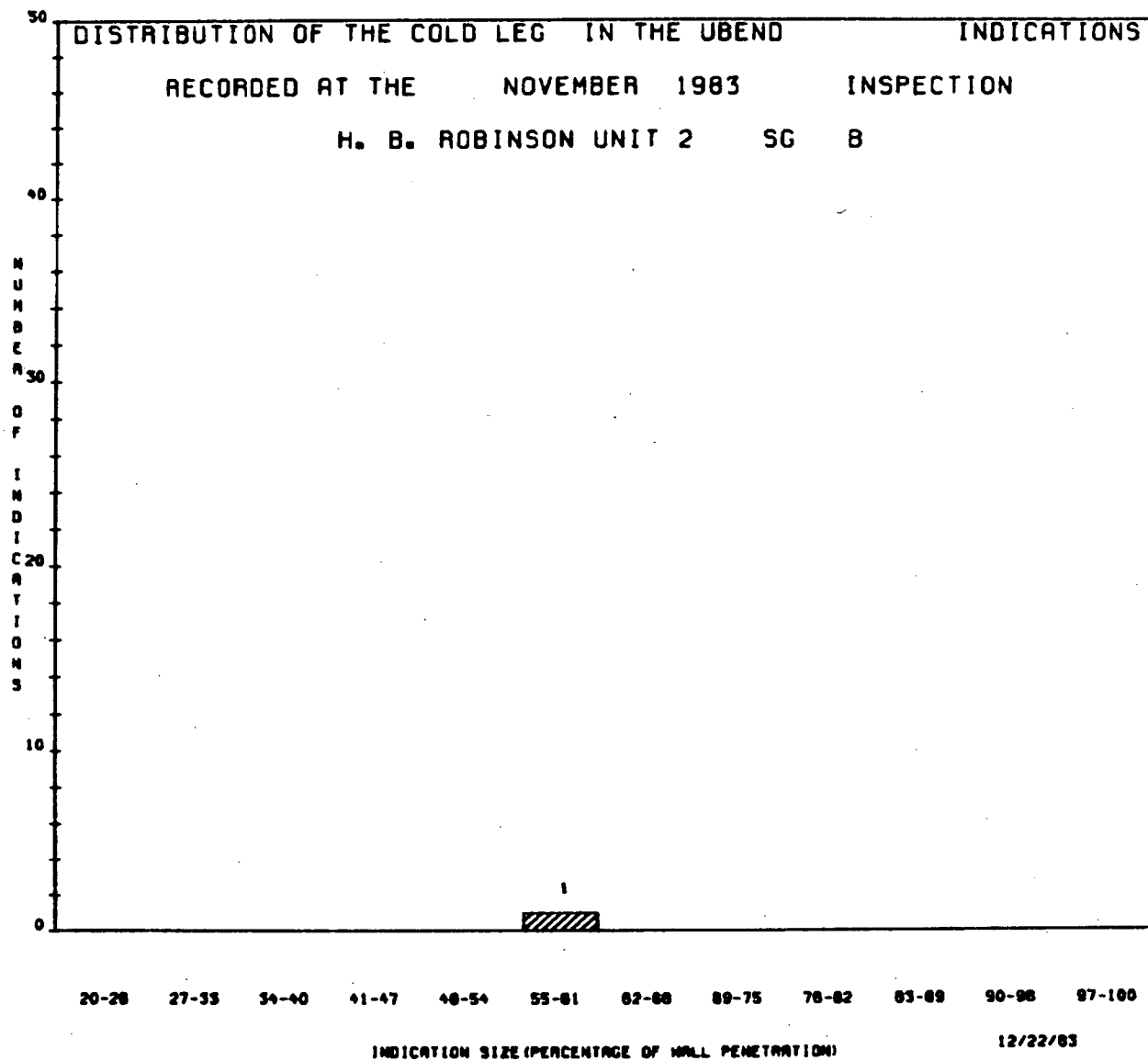


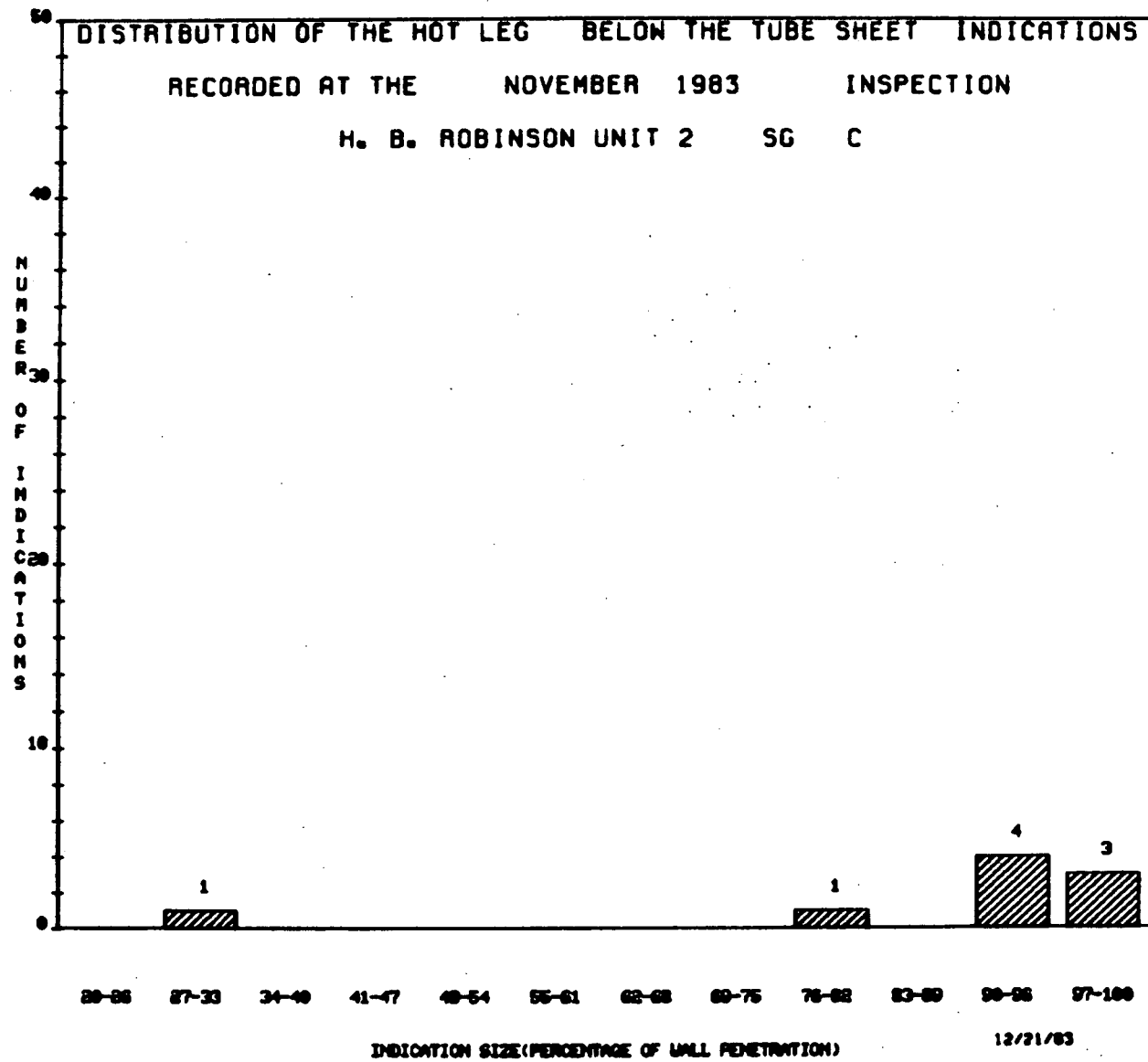


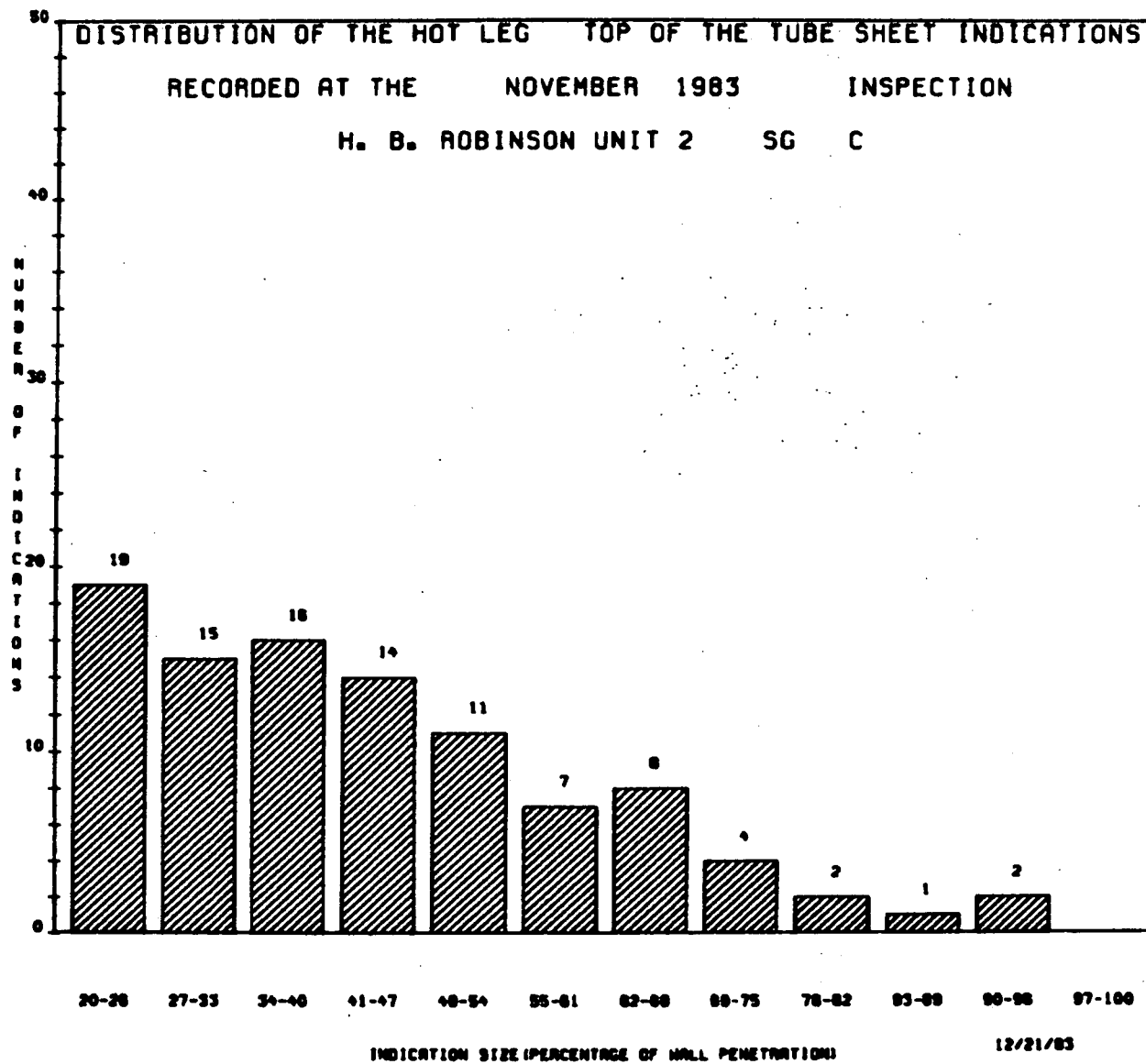


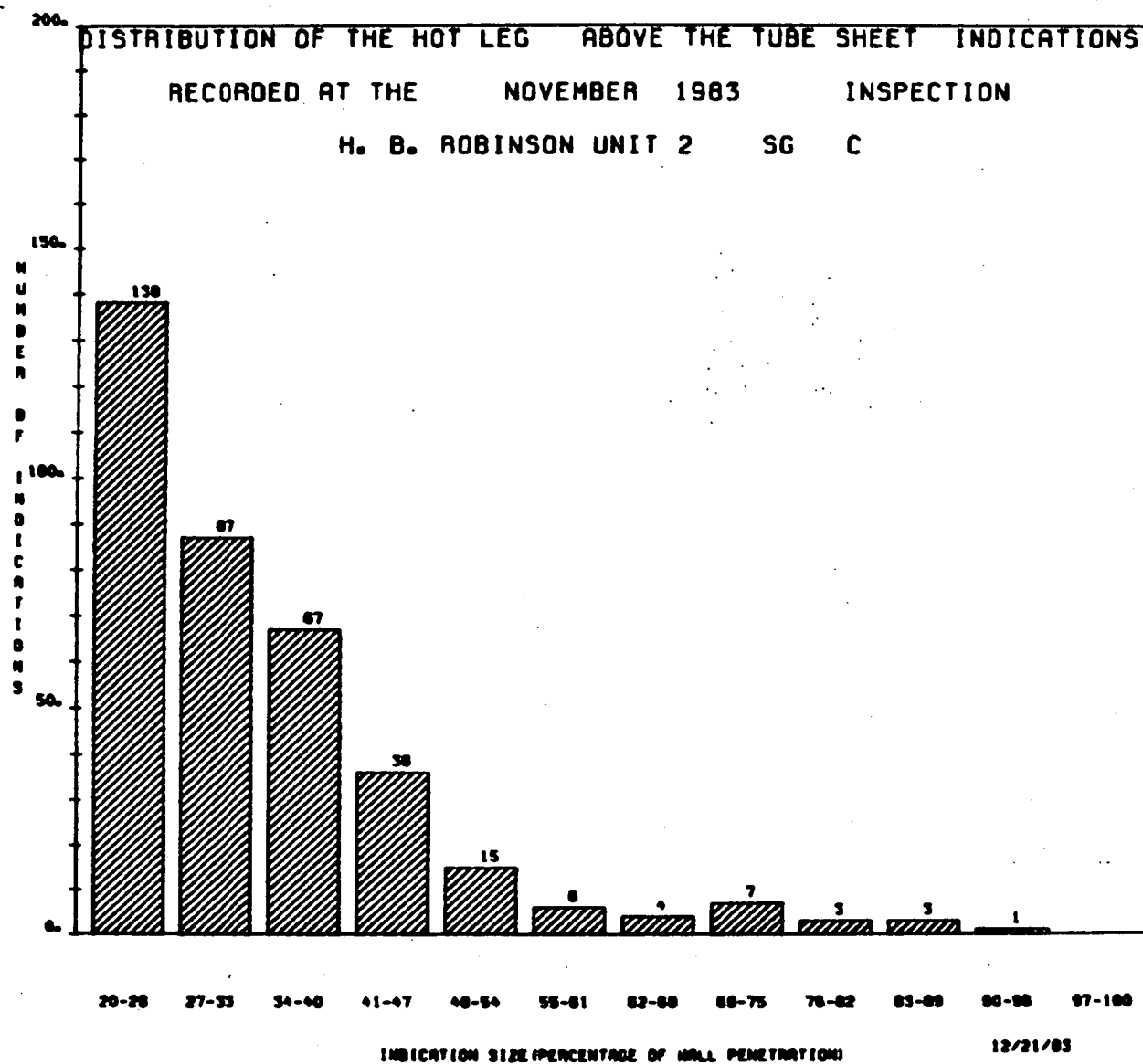


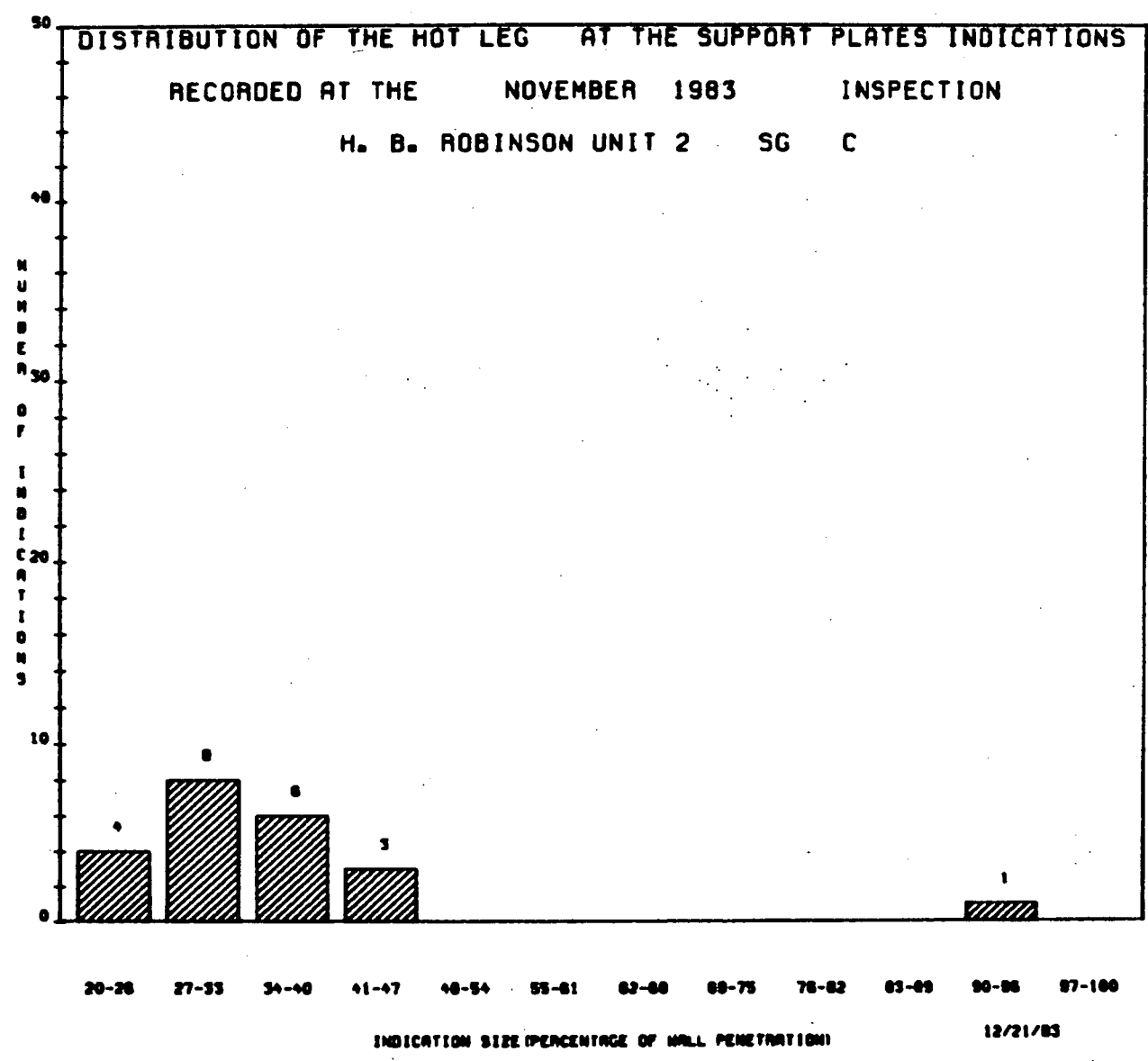


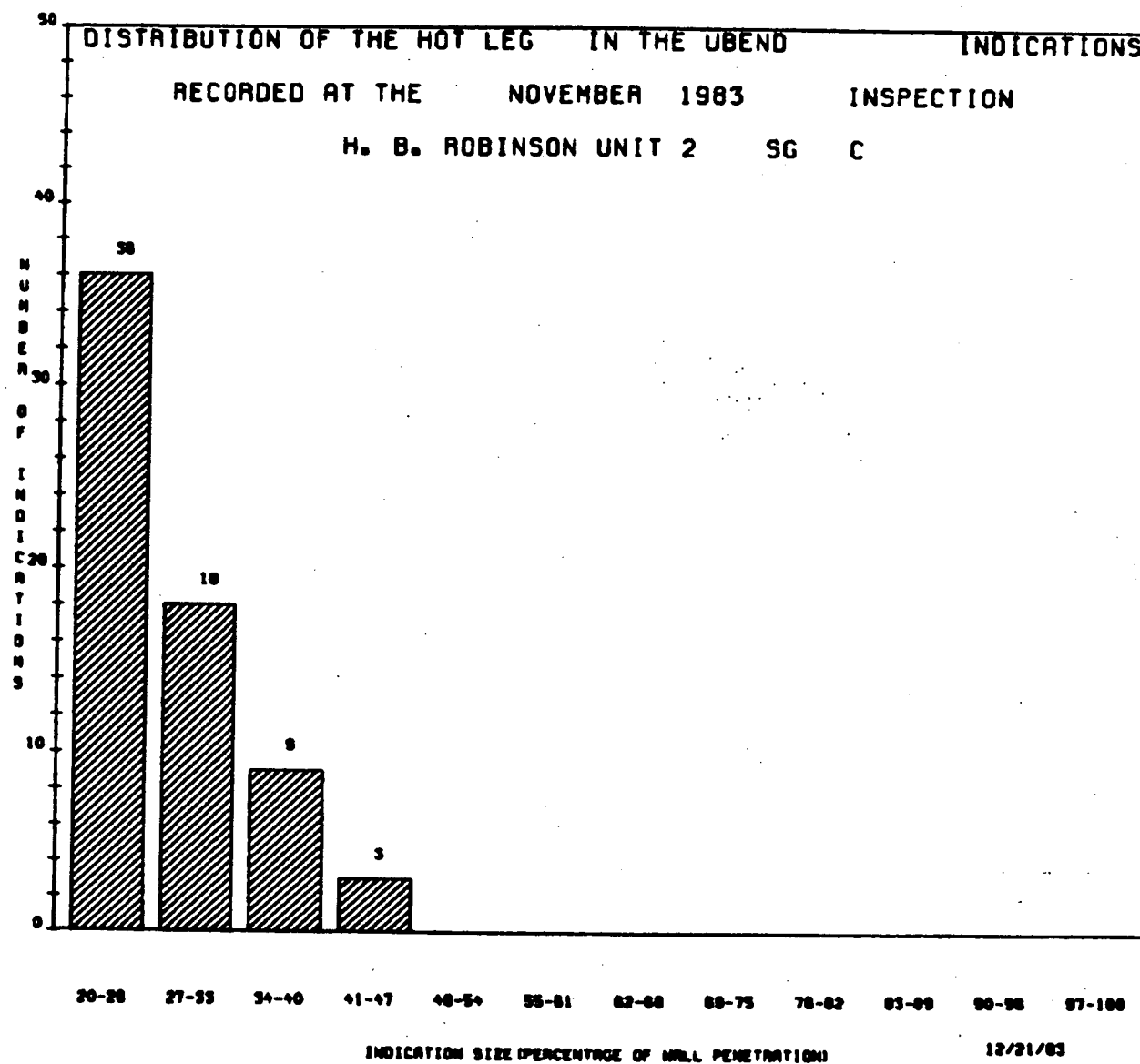


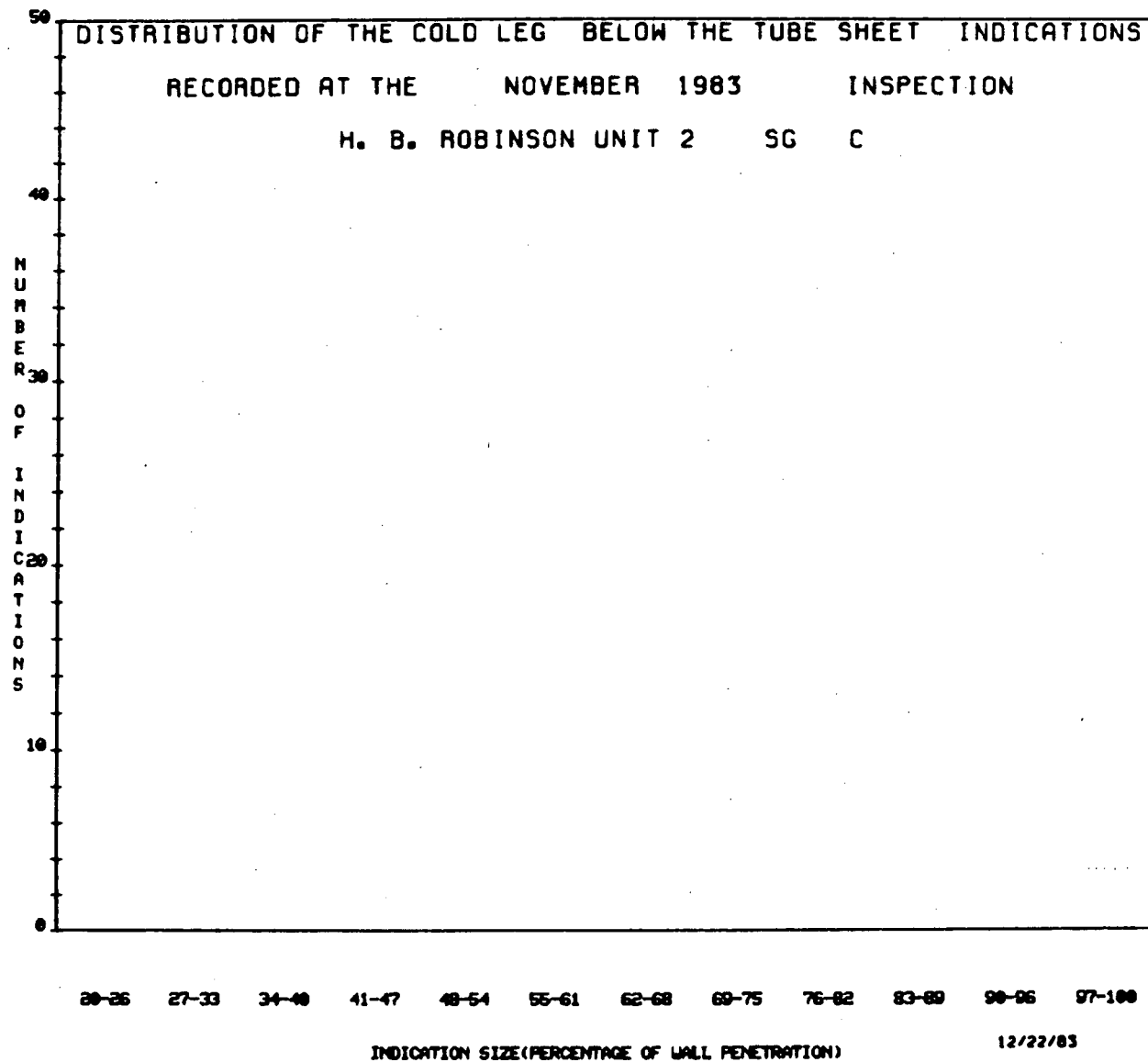


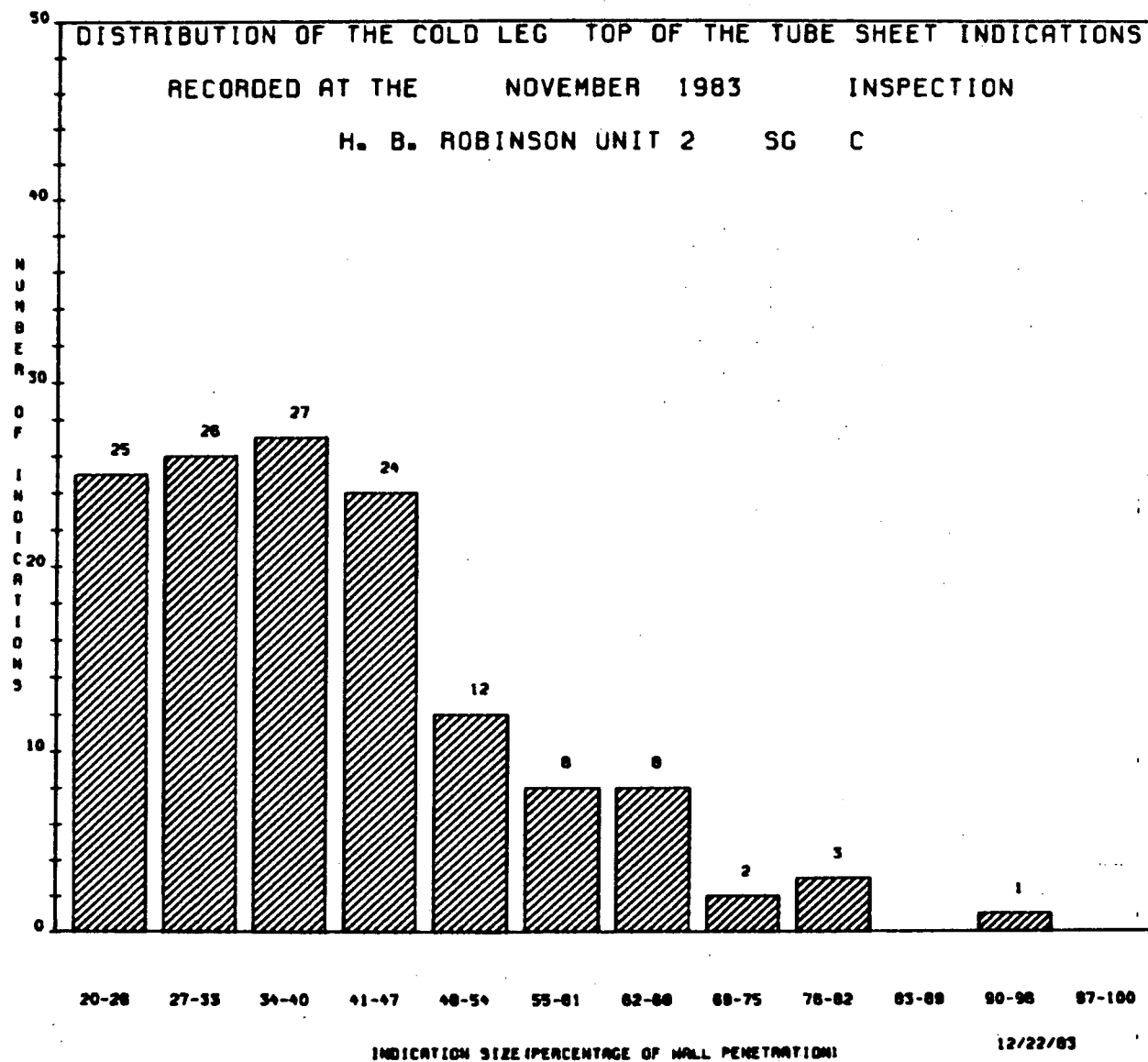


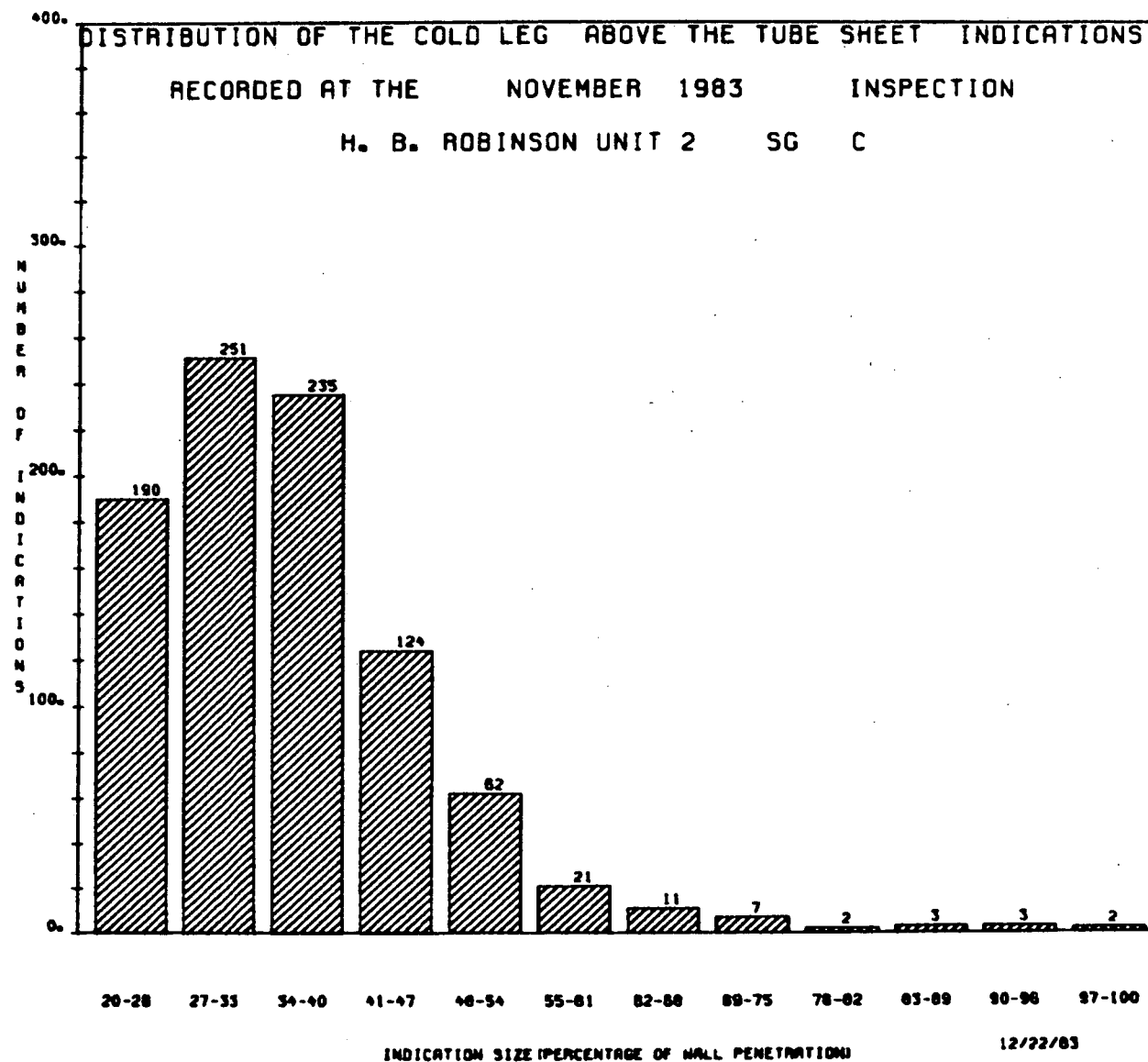


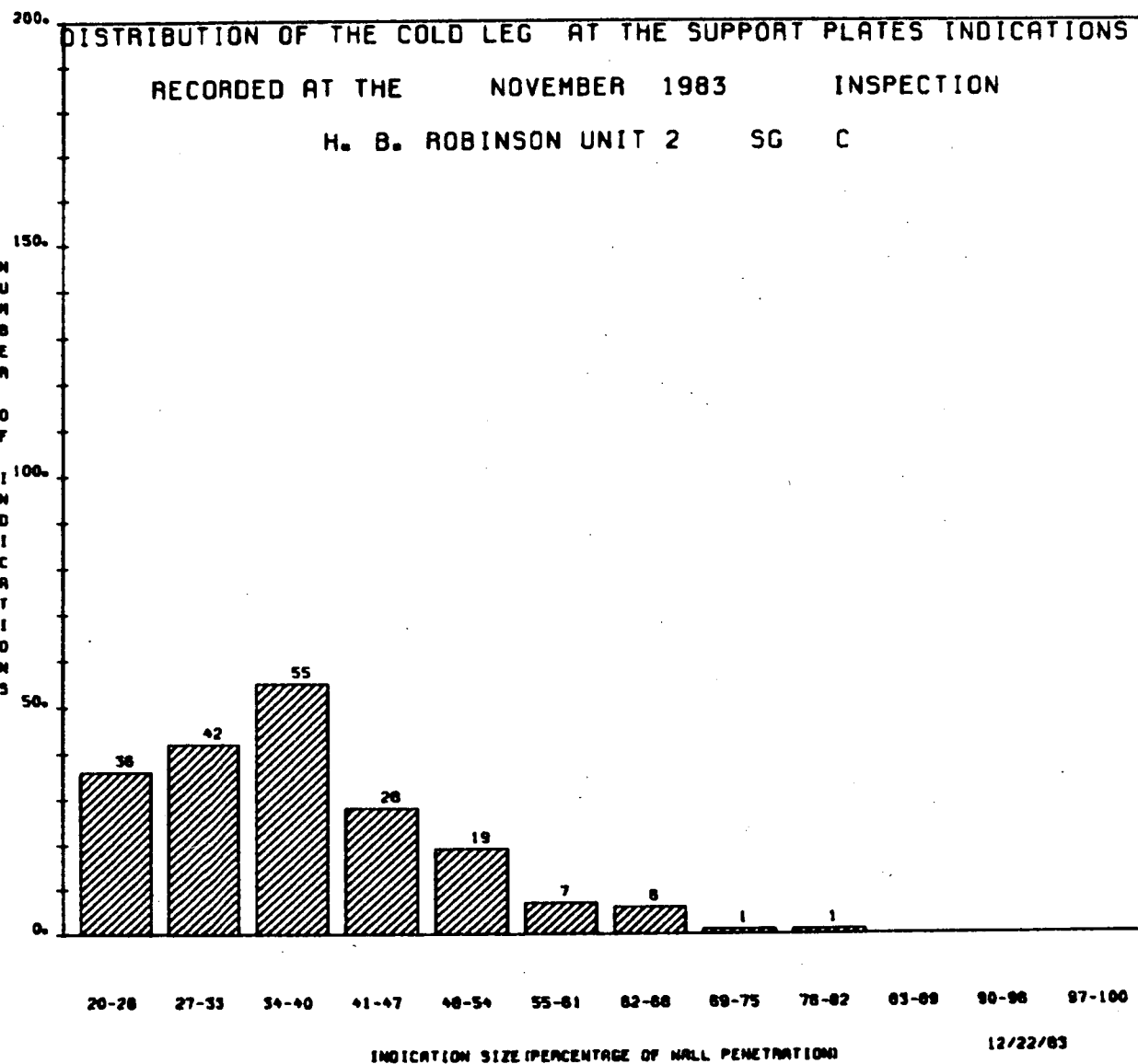


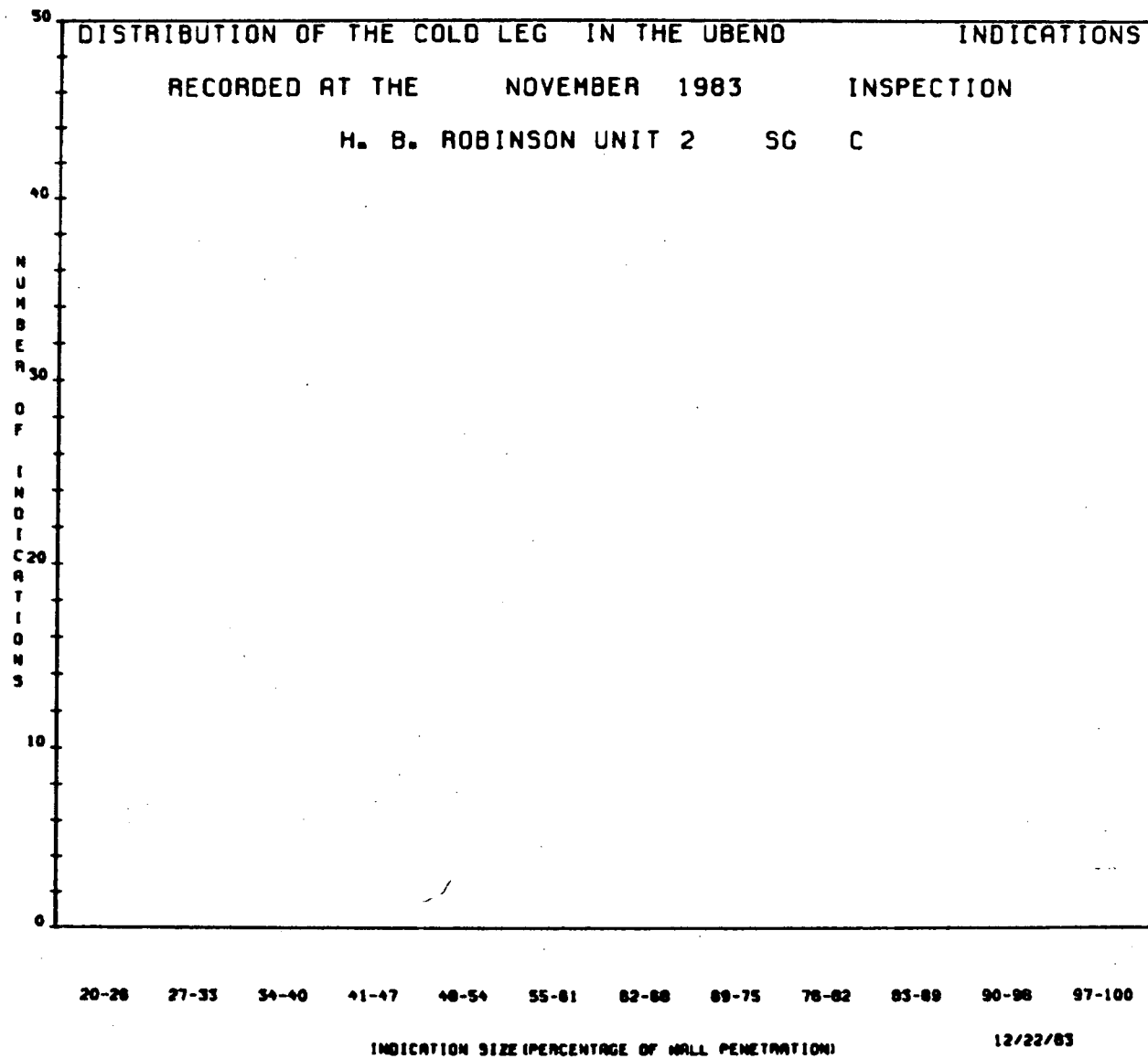












ATTACHMENT III

Conventional Growth Evaluation of Indications of 22% in Both the November
1983 and May 1983 Inspections (Pluggable Indications Included)

01/06/84

GROWTH EVALUATION FOR CPL A HOT LEG OCTOBER 83 AND NOVEMBER 83

1"

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	-6.429	12.164	7
ABOVE THE TUBE SHEET	4.815	7.145	178
AT THE SUPPORT PLATES	2.500	4.950	2
IN THE UBEND	.226	4.787	31

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	2	1	0	2	1	0	1	0	0	0	0	0	0
ABOVE THE TUBE SHEET	0	2	6	28	59	46	22	10	3	1	0	1	0
AT THE SUPPORT PLATES	0	0	0	1	0	1	0	0	0	0	0	0	0
IN THE UBEND	0	0	3	12	10	6	0	0	0	0	0	0	0
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TOTALS	2	3	9	43	70	53	23	10	3	1	0	1	0

01/06/84

GROWTH EVALUATION FOR CPL A COLD LEG OCTOBER 83 AND NOVEMBER 83

± 1"

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	-1.000	34.665	7
ABOVE THE TUBE SHEET	4.858	11.595	148
BETWEEN THE SUPPORT PLATES	3.050	9.108	80
AT THE U-BEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	3	0	1	1	1	0	0	0	0	0	1	0	0
ABOVE THE TUBE SHEET	4	5	9	22	46	25	18	14	2	2	0	1	0
BETWEEN THE SUPPORT PLATES	3	1	8	17	15	17	11	4	3	1	0	0	0
AT THE U-BEND	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	10	6	18	40	62	42	29	18	5	3	1	1	0

01/06/84

GROWTH EVALUATION FOR CPL B HOT LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	8.544	13.040	79
ABOVE THE TUBE SHEET	8.387	12.402	106
AT THE SUPPORT PLATES	4.400	3.435	5
IN THE UBEND	-0.500	7.134	20

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	1	2	5	16	11	11	9	11	5	4	2	0	2
ABOVE THE TUBE SHEET	2	1	3	15	28	16	14	12	5	2	4	3	1
AT THE SUPPORT PLATES	0	0	0	0	3	2	0	0	0	0	0	0	0
IN THE UBEND	0	3	2	2	8	4	1	0	0	0	0	0	0
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TOTALS	3	6	10	33	50	33	24	23	10	6	6	3	3

01/06/84

GROWTH EVALUATION FOR CPL B COLD LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	14.900	10.036	20
ABOVE THE TUBE SHEET	2.974	10.078	232
AT THE SUPPORT PLATES	.092	9.082	98
IN THE UBEND	25.000	0.000	1

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	0	0	0	0	3	4	5	1	4	2	0	0	1
ABOVE THE TUBE SHEET	8	10	25	42	53	44	24	17	6	1	0	2	0
AT THE SUPPORT PLATES	0	10	19	19	23	17	5	1	3	0	0	1	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	1	0	0	0
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TOTALS	8	20	44	61	79	65	34	19	13	4	0	3	1

01/06/84

GROWTH EVALUATION FOR CPL C HOT LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	6.000	0.000	1
TOP OF THE TUBE SHEET	11.079	16.134	63
ABOVE THE TUBE SHEET	2.442	11.678	181
AT THE SUPPORT PLATES	-1.333	8.083	3
IN THE UBEND	-3.000 -1.400	4.082 5.030	4 5

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	1	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	2	2	4	8	8	9	8	4	7	4	3	0	4
ABOVE THE TUBE SHEET	0	13	28	44	43	20	15	6	4	4	3	1	0
AT THE SUPPORT PLATES	0	0	2	0	0	1	0	0	0	0	0	0	0
IN THE UBEND	0	0	2	0	2	0	0	0	0	0	0	0	0
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TOTALS	2	15	36	52	53	31	23	10	11	8	6	1	4

01/06/84

GROWTH EVALUATION FOR CPL C COLD LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	2.625	13.170	88
ABOVE THE TUBE SHEET	1.341	10.686	558
AT THE SUPPORT PLATES	7.969	10.332	96
IN THE UBEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	4	9	13	16	11	15	4	5	4	2	3	1	1
ABOVE THE TUBE SHEET	17	26	85	121	145	91	39	15	7	4	3	3	2
AT THE SUPPORT PLATES	3	1	3	4	25	15	24	13	5	1	0	2	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	24	36	101	141	181	121	67	33	16	7	6	6	3

ATTACHMENT IV

Evaluations of Growths of "New" Indications in the November 1983 Inspection.
(Pluggable Indications Included)

01/06/84

NEW GROWTH EVALUATION FOR CPL A HOT LEG OCTOBER 83 AND NOVEMBER 83

± 1"

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	71.154	26.454	13
TOP OF THE TUBE SHEET	35.154	11.831	13
ABOVE THE TUBE SHEET	30.894	12.732	226
AT THE SUPPORT PLATES	28.630	6.593	27
IN THE UBEND	28.250	5.986	56

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	1	2	0	0	0	0	0	0	4	4	2 0
TOP OF THE TUBE SHEET	4	2	1	5	0	1	0	0	0	0	0
ABOVE THE TUBE SHEET	112	55	31	7	6	2	4	5	4	0	0 0
AT THE SUPPORT PLATES	13	7	7	0	0	0	0	0	0	0	0 0
IN THE UBEND	30	15	8	3	0	0	0	0	0	0	0 0
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TOTALS	160	81	47	15	6	3	4	5	8	4	2 0

01/06/84

NEW GROWTH EVALUATION FOR CPL A COLD LEG OCTOBER

83 AND NOVEMBER 85

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	32.333	5.508	3
TOP OF THE TUBE SHEET	39.608	17.178	51
ABOVE THE TUBE SHEET	30.153	9.020	399
THE SUPPORT PLATES	29.073	7.502	316
THE UBEND	29.000	4.243	2

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION											
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	1	0	2	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	15	7	9	8	1	2	7	0	1	0	1	0
ABOVE THE TUBE SHEET	164	118	84	20	4	3	2	3	0	1	0	0
THE SUPPORT PLATES	145	90	54	23	2	0	2	0	0	0	0	0
THE UBEND	1	1	0	0	0	0	0	0	0	0	0	0
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TOTALS	326	216	149	51	7	5	11	3	1	1	1	0

01/06/84

NEW GROWTH EVALUATION FOR CPL B HOT LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	80.600	9.430	10
TOP OF THE TUBE SHEET	41.727	16.780	33
ABOVE THE TUBE SHEET	48.286	22.620	105
AT THE SUPPORT PLATES	31.172	9.532	29
IN THE UBEND	30.905	7.238	21

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	1	2	2	4	0 1
TOP OF THE TUBE SHEET	6	8	3	7	2	3	0	3	0	1	0 0
ABOVE THE TUBE SHEET	25	16	11	5	4	8	6	10	12	6	2 0
AT THE SUPPORT PLATES	11	9	6	2	0	0	1	0	0	0	0 0
IN THE UBEND	8	6	6	0	1	0	0	0	0	0	0 0
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TOTALS	50	39	26	14	7	11	8	15	14	11	2 1

01/06/84

NEW GROWTH EVALUATION FOR CPL 8 COLD LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	35.000	0.000	1
TOP OF THE TUBE SHEET	42.125	13.349	72
ABOVE THE TUBE SHEET	33.267	11.503	329
AT THE SUPPORT PLATES	31.817	8.031	71
IN THE UBEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION											
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	0	0	1	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	10	8	13	24	8	5	2	1	0	0	0	1
ABOVE THE TUBE SHEET	93	109	73	27	9	6	4	1	3	3	1	0
AT THE SUPPORT PLATES	20	23	19	7	1	0	1	0	0	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	123	140	106	58	18	11	7	2	3	3	1	1

01/06/84

NEW GROWTH EVALUATION FOR CPL C HOT LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	86.333	23.152	9
TOP OF THE TUBE SHEET	44.350	20.554	20
ABOVE THE TUBE SHEET	35.127	15.656	142
AT THE SUPPORT PLATES	35.750	14.994	20
IN THE UBEND	27.400 27.250	6.315 6.307	45 44

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	1	0	0	0	0	0	0	1	0	4 3
TOP OF THE TUBE SHEET	6	1	1	3	3	4	0	0	1	0	1 0
ABOVE THE TUBE SHEET	52	32	27	10	6	2	3	5	2	3	0 0
AT THE SUPPORT PLATES	4	6	6	3	0	0	0	0	0	0	1 0
IN THE UBEND	26	10	7 6	2	0	0	0	0	0	0	0 0
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TOTALS	88	50	41 40	18	9	6	3	5	4	3	6 3

01/06/84

NEW GROWTH EVALUATION FOR CPL C COLD LEG OCTOBER 83 AND NOVEMBER 83

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	35.103	11.149	29
ABOVE THE TUBE SHEET	33.591	11.857	249
AT THE SUPPORT PLATES	35.333	10.611	66
IN THE U-BEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	8	9	2	7	1	1	1	0	0	0	0
ABOVE THE TUBE SHEET	69	81	51	24	8	7	4	2	0	2	1 0
AT THE SUPPORT PLATES	16	14	19	9	4	2	2	0	0	0	0
IN THE U-BEND	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	93	104	72	40	13	10	7	2	0	2	1 0

ATTACHMENT V

Conventional Growth Evaluation of Indications of 20% in both the November
1983 and May 1983 Inspections (Pluggable Indications Deleted)

01/06/84

GROWTH EVALUATION FOR CPL A HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	-8.800	10.305	5
ABOVE THE TUBE SHEET	4.277	6.298	173
AT THE SUPPORT PLATES	2.500	4.950	2
IN THE UBEND	-0.067	4.578	30

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	2	0	0	2	1	0	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	0	2	6	28	59	46	21	9	2	0	0	0	0
AT THE SUPPORT PLATES	0	0	0	1	0	1	0	0	0	0	0	0	0
IN THE UBEND	0	0	3	12	10	5	0	0	0	0	0	0	0
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TOTALS	2	2	9	43	70	52	21	9	2	0	0	0	0

01/06/84

GROWTH EVALUATION FOR CPL A COLD LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	-19.80	11.987	5
ABOVE THE TUBE SHEET	2.333	8.109	135
BETWEEN THE SUPPORT PLATES	2.588	9.021	80
IN THE U-BEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	3	0	1	1	0	0	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	4	6	10	21	45	25	13	8	2	1	0	0	0
BETWEEN THE SUPPORT PLATES	3	2	8	17	15	17	11	4	2	1	0	0	0
IN THE U-BEND	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	10	8	19	39	60	42	24	12	4	2	0	0	0

01/06/84

GROWTH EVALUATION FOR CPL B HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	3.391	9.320	46
ABOVE THE TUBE SHEET	4.322	8.200	87
AT THE SUPPORT PLATES	4.400	3.435	5
IN THE UBEND	-0.500	7.134	20

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	1	2	4	12	6	9	5	6	1	0	0	0	0
ABOVE THE TUBE SHEET	2	1	3	16	24	18	13	8	2	0	0	0	0
AT THE SUPPORT PLATES	0	0	0	0	3	2	0	0	0	0	0	0	0
IN THE UBEND	0	3	2	2	8	4	1	0	0	0	0	0	0
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TOTALS	3	6	9	30	41	33	19	14	3	0	0	0	0

01/06/84

GROWTH EVALUATION FOR CPL 8 COLD LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	12.583	8.129	12
ABOVE THE TUBE SHEET	1.335	8.605	209
AT THE SUPPORT PLATES	-.915	7.510	94
IN THE UBEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION											
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39 40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	0	0	0	0	2	3	3	1	2	1	0	0
ABOVE THE TUBE SHEET	7	10	25	43	50	41	22	7	4	0	0	0
AT THE SUPPORT PLATES	0	10	19	19	23	16	5	1	1	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0	0
	---	---	---	---	---	---	---	---	---	---	---	---
TOTALS	7	20	44	62	75	60	30	9	7	1	0	0

01/06/84

GROWTH EVALUATION FOR CPL C HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	1.900	10.109	40
ABOVE THE TUBE SHEET	-0.196	7.521	168
AT THE SUPPORT PLATES	-1.333	8.083	3
IN THE UBEND	-1.400	5.030	5

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	2	2	4	8	7	8	6	2	1	0	0	0	0
ABOVE THE TUBE SHEET	0	14	27	46	44	18	13	4	2	0	0	0	0
AT THE SUPPORT PLATES	0	0	2	0	0	1	0	0	0	0	0	0	0
IN THE UBEND	0	0	2	0	2	1	0	0	0	0	0	0	0
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TOTALS	2	16	35	54	53	28	19	6	3	0	0	0	0

01/06/84

GROWTH EVALUATION FOR CPL C COLD LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	-3.462	9.838	65
ABOVE THE TUBE SHEET	-0.804	7.490	501
AT THE SUPPORT PLATES	5.865	8.466	74
IN THE U-BEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION												
	-20--16	-15--11	-10--6	-5--1	0- 4	5- 9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	5	9	13	15	9	10	1	3	0	0	0	0	0
ABOVE THE TUBE SHEET	17	26	87	124	136	73	27	9	1	1	0	0	0
AT THE SUPPORT PLATES	2	1	3	5	23	11	19	8	2	0	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTALS	24	36	103	144	168	94	47	20	3	1	0	0	0

ATTACHMENT VI

Evaluations of Growths of "New" Indications in the November 1983 Inspection
(Pluggable Indications Deleted)

01/06/84

NEW GROWTH EVALUATION FOR CPL A HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

1"

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	25.333	2.887	3
TOP OF THE TUBE SHEET	33.333	10.281	12
ABOVE THE TUBE SHEET	27.454	6.220	205
AT THE SUPPORT PLATES	28.630	6.593	27
IN THE UBEND	28.250	5.986	56

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION											
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96	97-100
BELOW THE TUBE SHEET	1	2	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	4	2	1	5	0	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	112	55	31	7	0	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	13	7	7	0	0	0	0	0	0	0	0	0
IN THE UBEND	30	15	8	3	0	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----	----
TOTALS	160	81	47	15	0	0	0	0	0	0	0	0

01/06/84

NEW GROWTH EVALUATION FOR CPL C COLD LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	32.538	6.233	26
ABOVE THE TUBE SHEET	30.724	6.857	225
AT THE SUPPORT PLATES	32.534	7.568	58
IN THE UBEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	8	9	2	7	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	69	81	51	24	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	16	14	19	9	0	0	0	0	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----
TOTALS	93	104	72	40	0	0	0	0	0	0	0

01/06/84

NEW GROWTH EVALUATION FOR CPL C HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	27.000	0.000	1
TOP OF THE TUBE SHEET	30.000	10.286	11
ABOVE THE TUBE SHEET	29.570	7.041	121
AT THE SUPPORT PLATES	32.737	6.756	19
IN THE UBEND	27.250	6.307	44

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	1	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	6	1	1	3	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	52	32	27	10	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	4	6	6	3	0	0	0	0	0	0	0
IN THE UBEND	26	10	6	2	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----
TOTALS	88	50	40	18	0	0	0	0	0	0	0

01/06/84

NEW GROWTH EVALUATION FOR CPL B COLD LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	35.000	0.000	1
TOP OF THE TUBE SHEET	36.909	8.650	55
ABOVE THE TUBE SHEET	30.583	6.385	302
AT THE SUPPORT PLATES	31.043	6.572	69
IN THE UBEND	0.000	0.000	0

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	0	1	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	10	8	13	24	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	93	109	73	27	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	20	23	19	7	0	0	0	0	0	0	0
IN THE UBEND	0	0	0	0	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----
TOTALS	123	140	106	58	0	0	0	0	0	0	0

01/06/84

NEW GROWTH EVALUATION FOR CPL B HOT LEG OCTOBER 83 AND NOVEMBER 83 W/OP

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	0.000	0.000	0
TOP OF THE TUBE SHEET	34.000	8.573	25
ABOVE THE TUBE SHEET	29.439	6.819	57
AT THE SUPPORT PLATES	29.964	7.095	28
IN THE UBEND	29.950	5.916	20

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	0	0	0	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	6	8	3	8	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	25	16	11	5	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	11	9	6	2	0	0	0	0	0	0	0
IN THE UBEND	8	6	6	0	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----
TOTALS	50	39	26	15	0	0	0	0	0	0	0

01/06/84

NEW GROWTH EVALUATION FOR CPL A COLD LEG OCTOBER

83 AND NOVEMBER 83 W/OP

± 1"

MEAN AND STANDARD DEVIATION OF GROWTH

LOCATION	MEAN	STANDARD DEVIATION	NUMBER OF POINTS
BELOW THE TUBE SHEET	32.333	5.508	3
TOP OF THE TUBE SHEET	31.513	8.379	39
ABOVE THE TUBE SHEET	29.039	6.480	386
AT THE SUPPORT PLATES	28.736	6.174	311
IN THE UBEND	29.000	4.243	2

DISTRIBUTION OF GROWTH EVALUATIONS

LOCATION	PERCENTAGE OF WALL PENETRATION										
	20-26	27-33	34-40	41-47	48-54	55-61	62-68	69-75	76-82	83-89	90-96 97-100
BELOW THE TUBE SHEET	1	0	2	0	0	0	0	0	0	0	0
TOP OF THE TUBE SHEET	15	7	9	6	0	0	0	0	0	0	0
ABOVE THE TUBE SHEET	164	118	84	20	0	0	0	0	0	0	0
AT THE SUPPORT PLATES	144	90	54	23	0	0	0	0	0	0	0
IN THE UBEND	1	1	0	0	0	0	0	0	0	0	0
	----	----	----	----	----	----	----	----	----	----	----
TOTALS	325	216	149	51	0	0	0	0	0	0	0

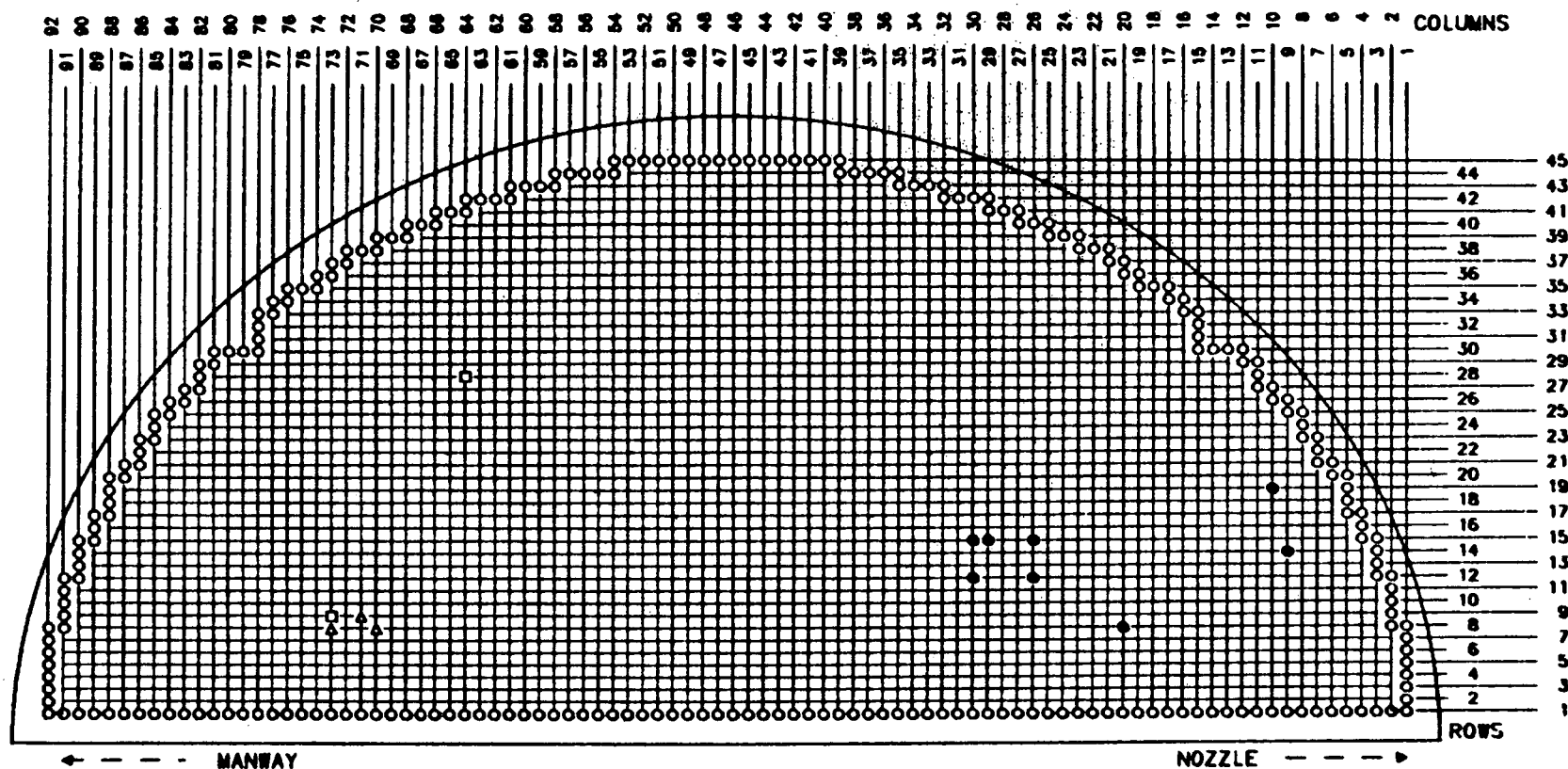
ATTACHMENT VII

Tubesheet Maps Showing Indications Reported at Various Elevations

□ 2.30
 ● 4.8 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 DATE NOVEMBER 1983 HOT LEG INSPECTION

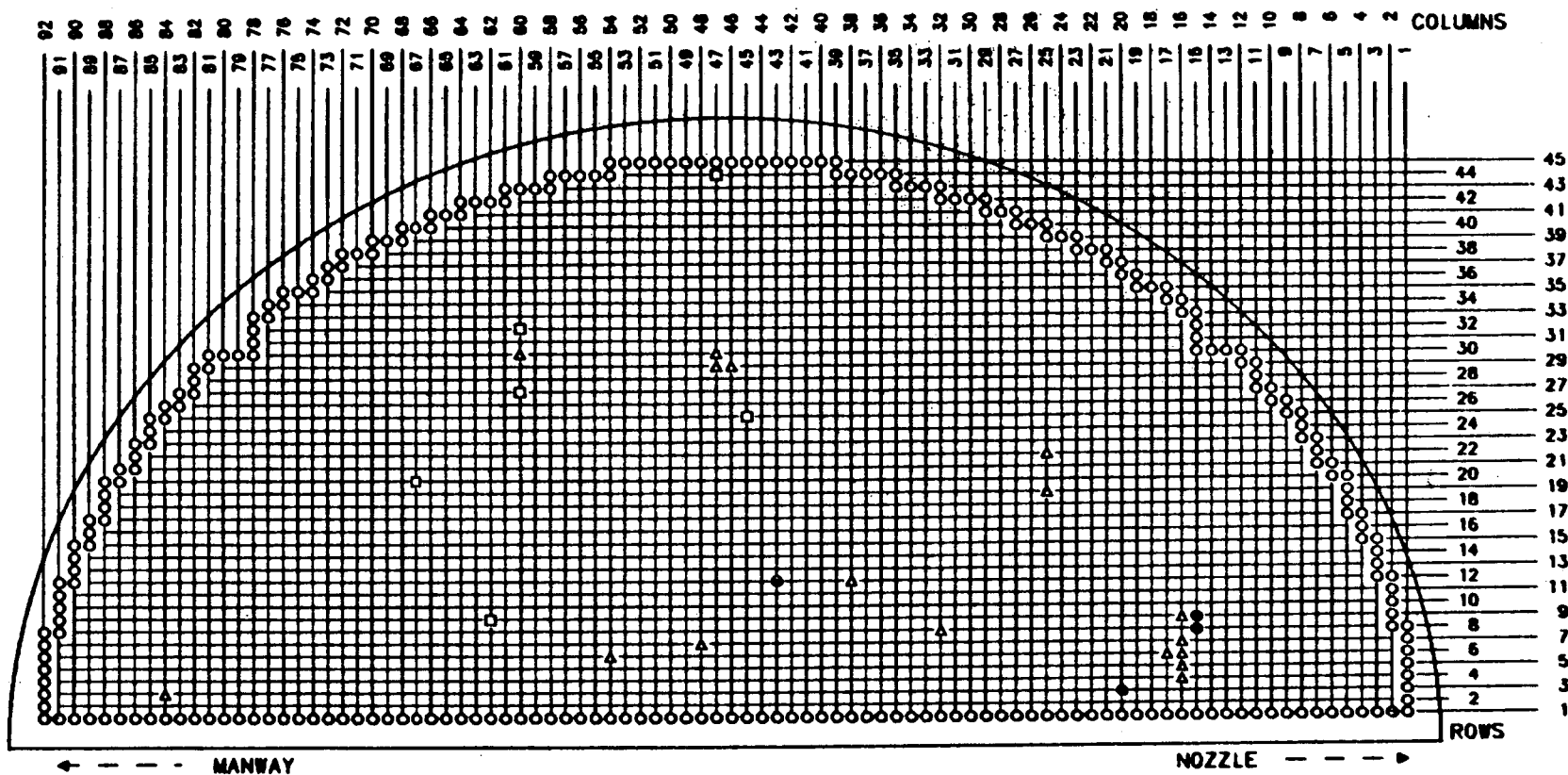
SERIES 44
 CPL - A



□ 120
 ○ 200 TO 100 PERCENT
 ● 400 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 HOT LEG INSPECTION

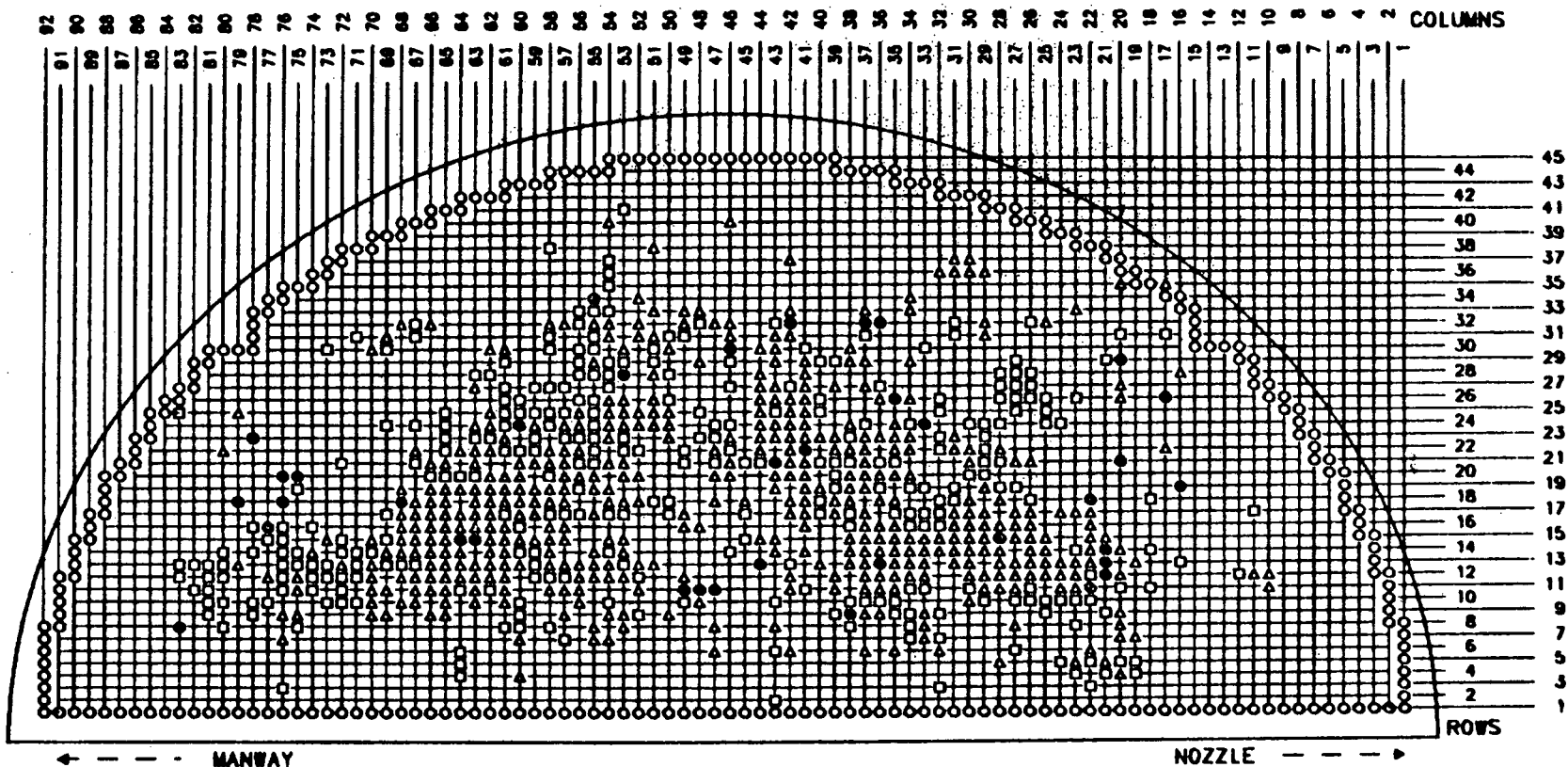
SERIES 44
 CPL-A



□ 120
 △ 30 TO 100 PERCENT
 ● 48 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 ATS NOVEMBER 1983 HOT LEG INSPECTION

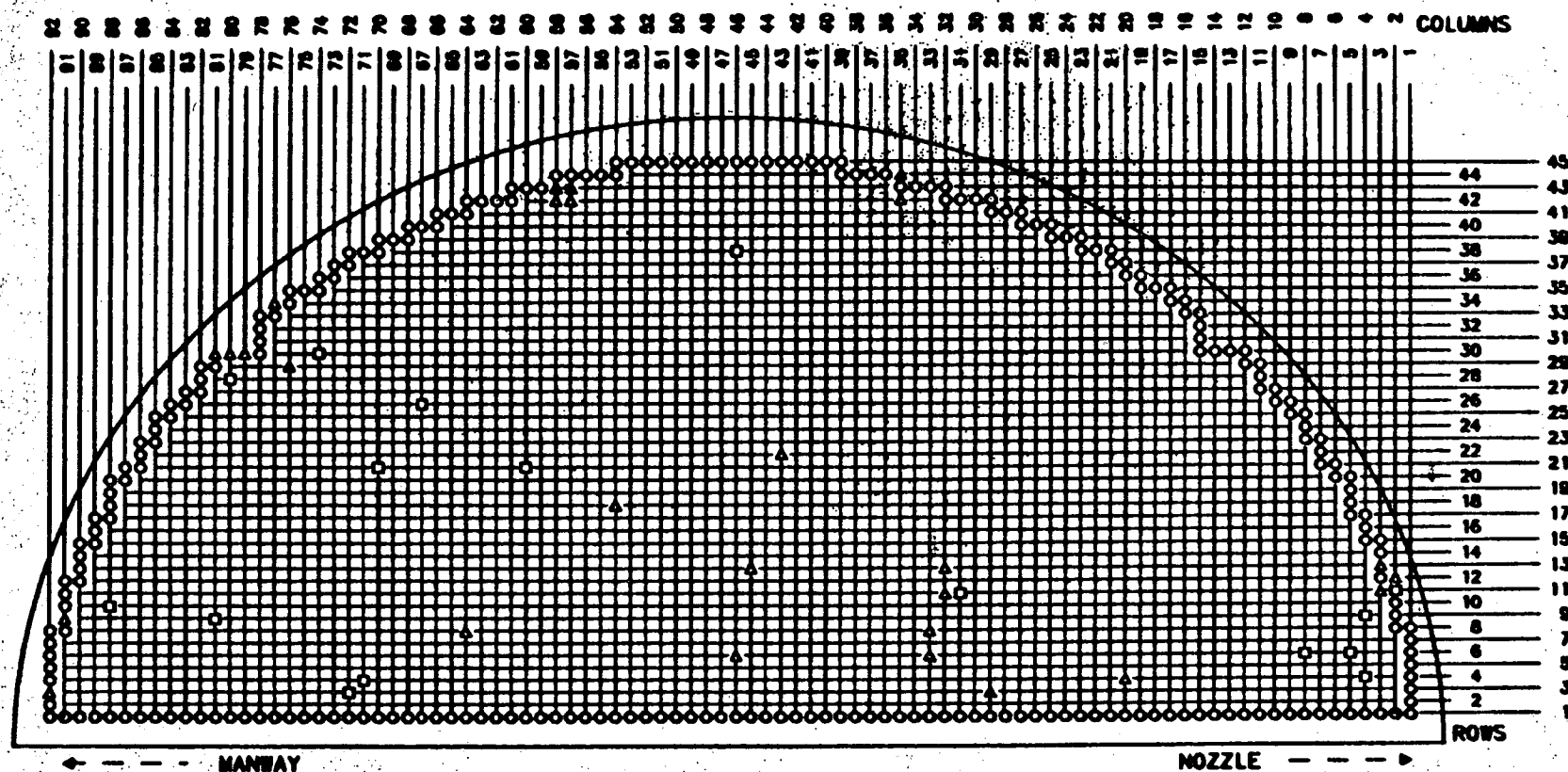
SERIES 44
 CPL-A



0.0000
0.0000 78.100 PERCENT

H. B. ROBINSON UNIT 2
TSP NOVEMBER 1963 HOT LEG INSPECTION

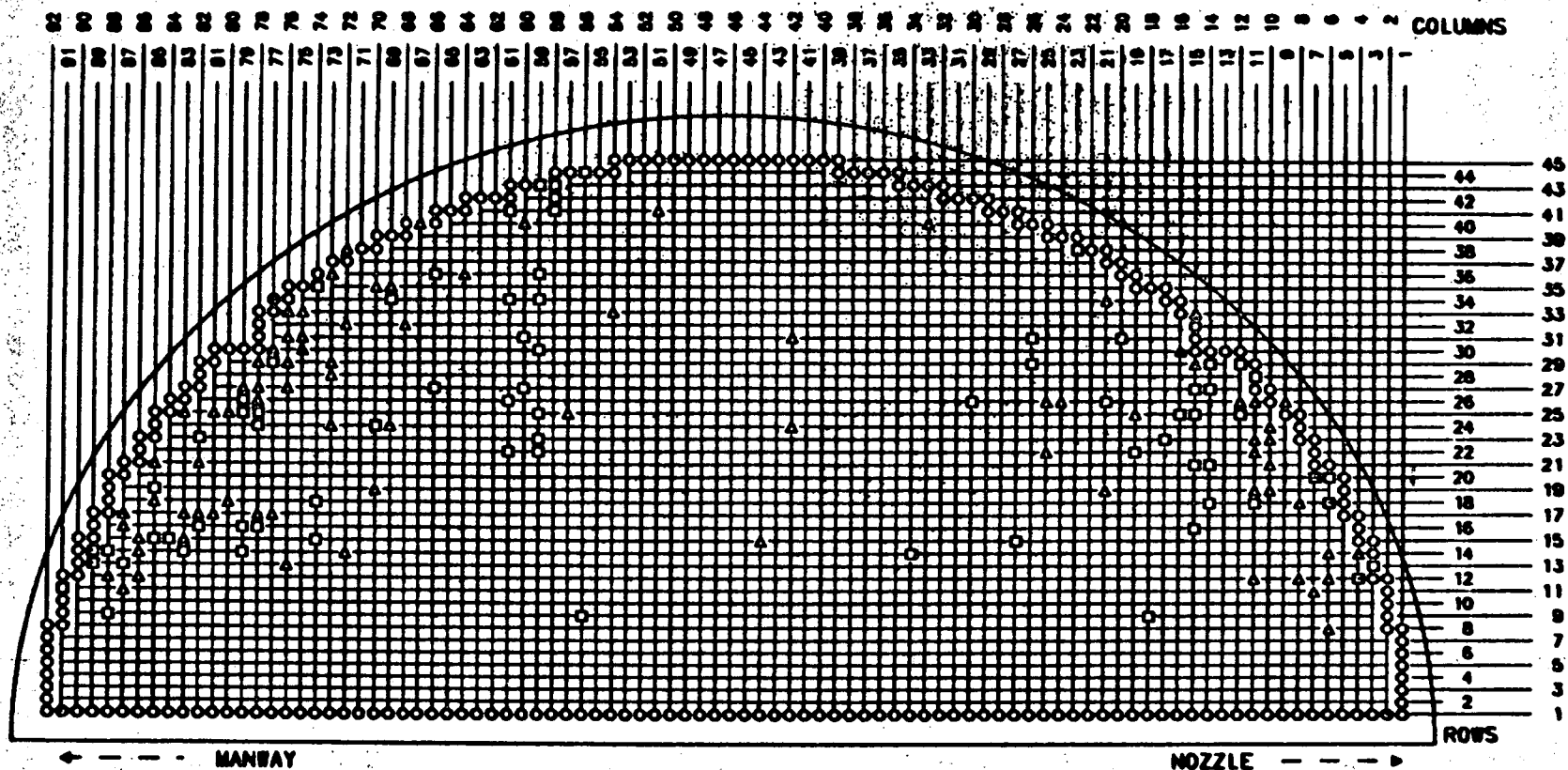
SERIES 44
CPL - A



0.730
0.00 TO 1.00 PERCENT

H. B. ROBINSON UNIT 2
AVB NOVEMBER 1983 HOT LEG INSPECTION

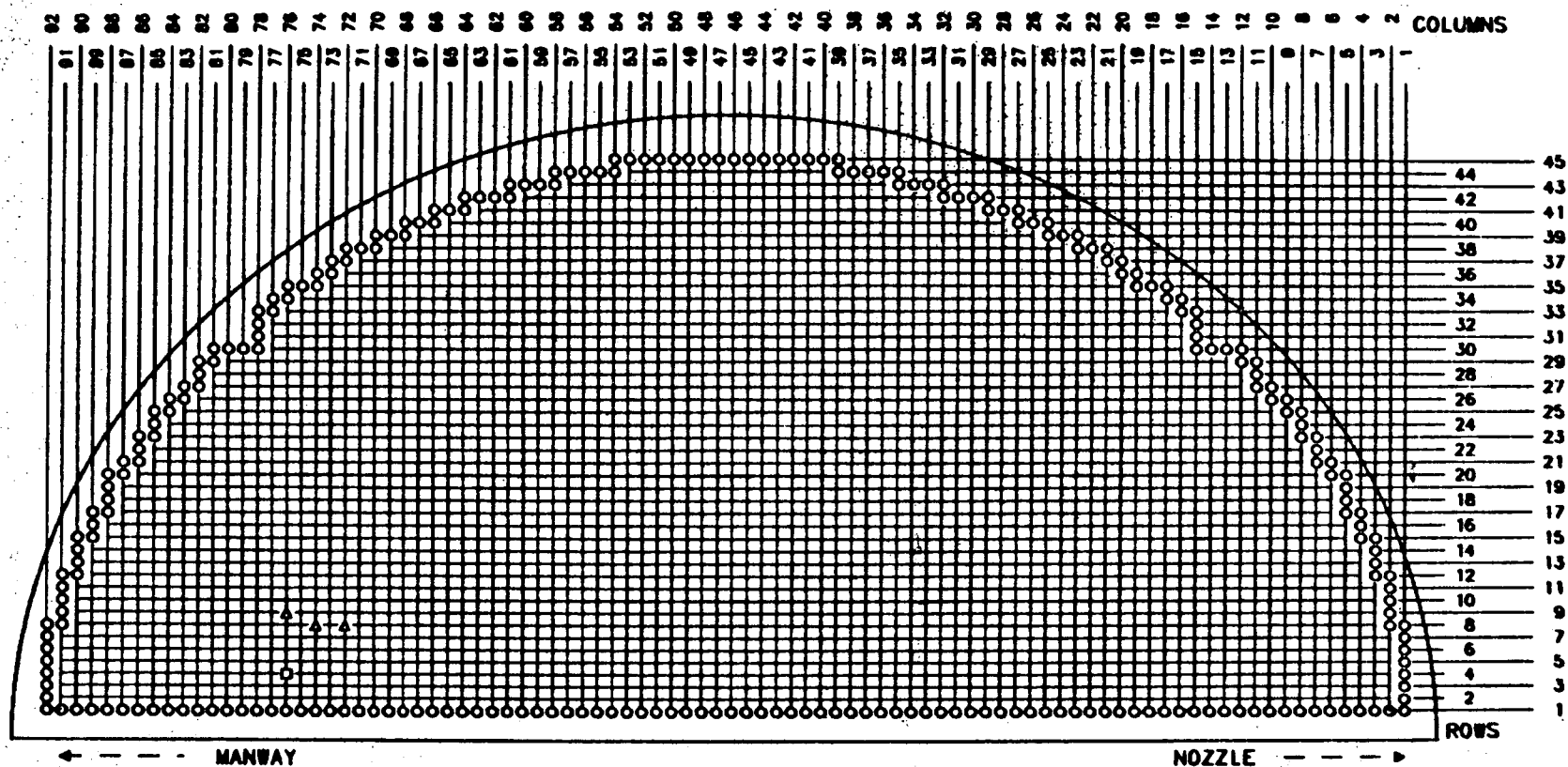
SERIES 44
CPL - A



0.20
 0.20 TO 0.27 PERCENT
 0.28 TO 1.00 PERCENT

H. B. ROBINSON UNIT 2
 ATE NOVEMBER 1983 COLD LEG INSPECTION

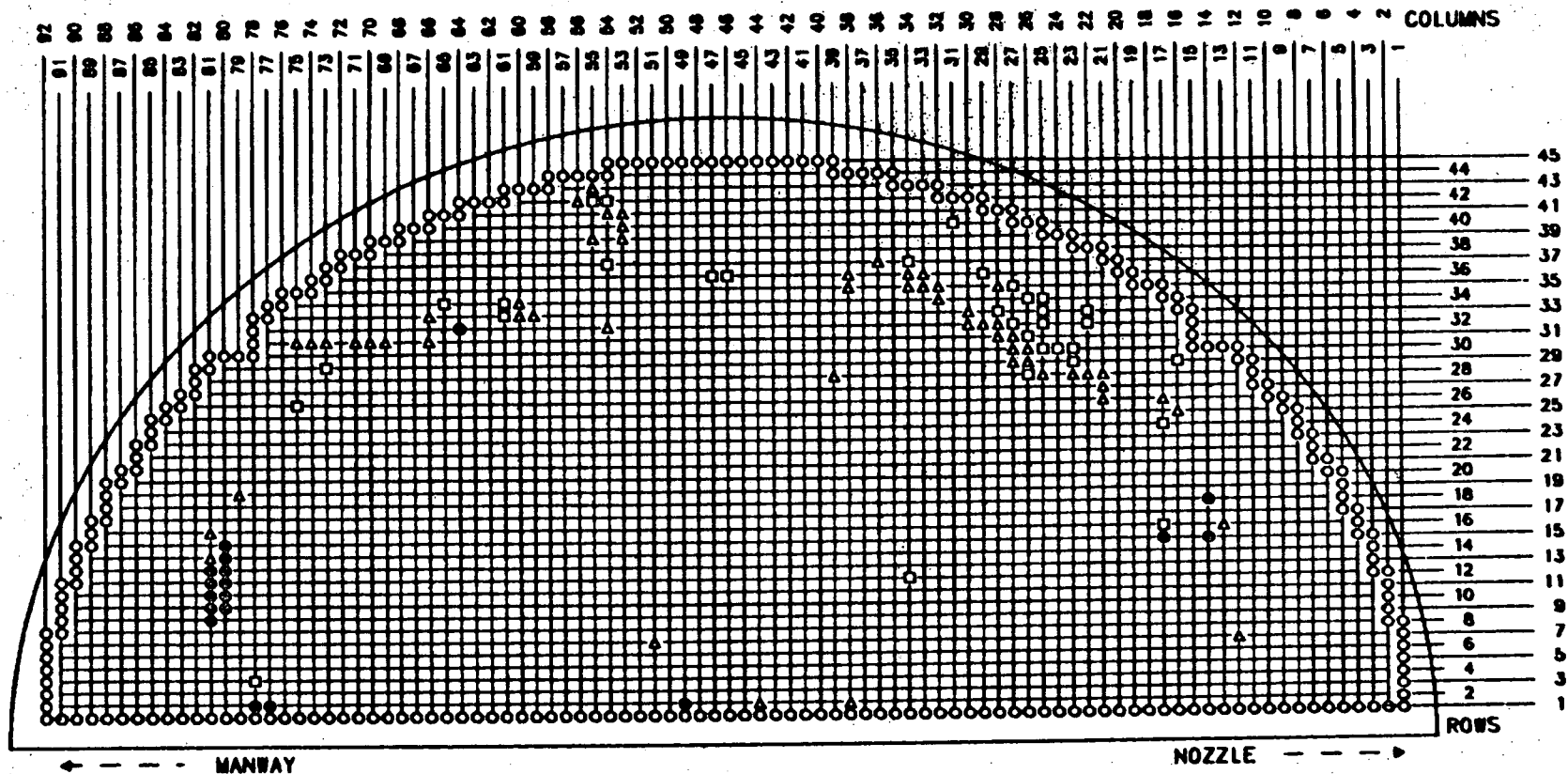
SERIES 44
 CPL-A



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45

H. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 COLD LEG INSPECTION

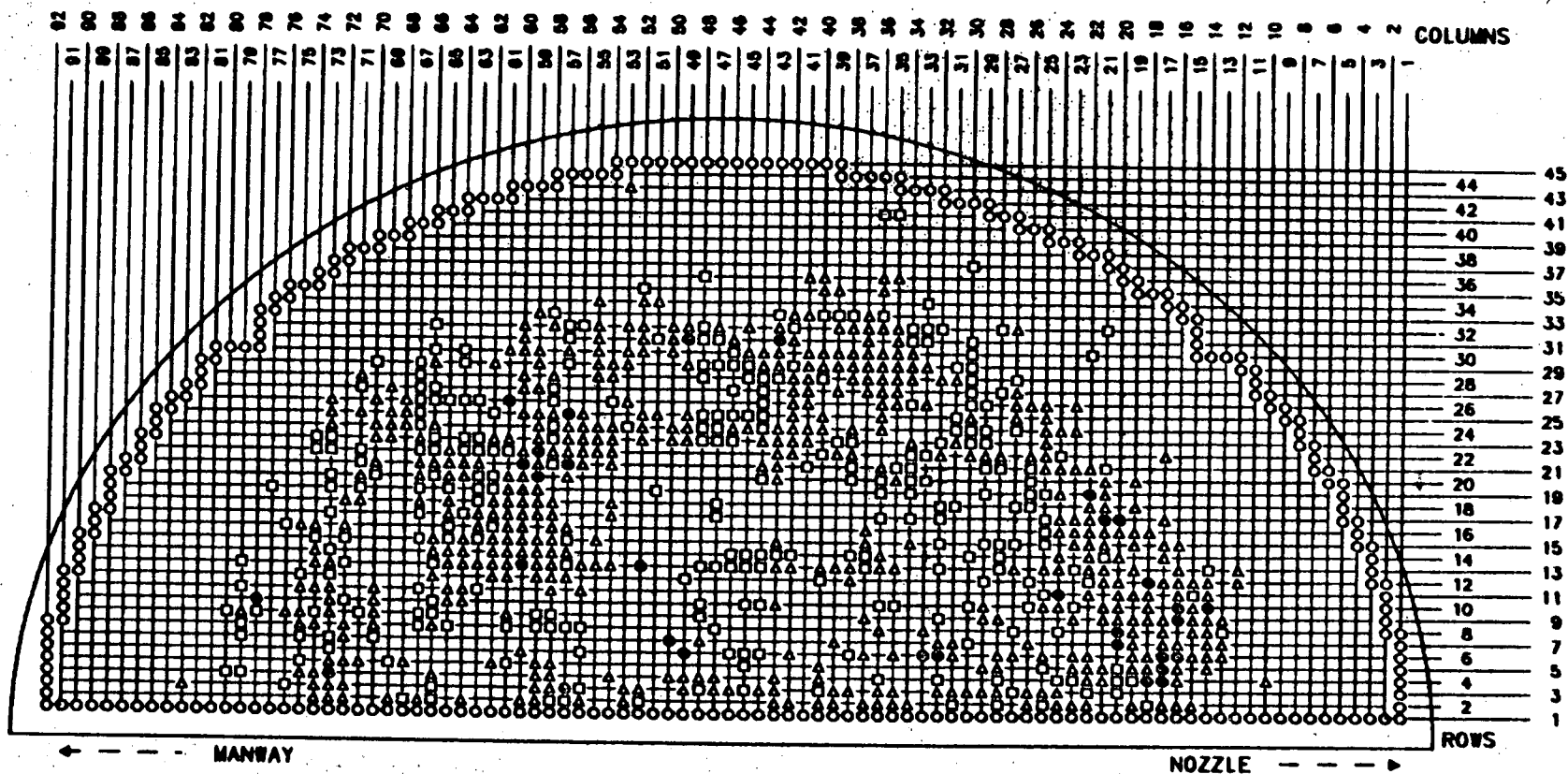
SERIES 44
 CPL-A



□ 120
 △ 100 TO 120 PERCENT
 ○ 80 TO 100 PERCENT

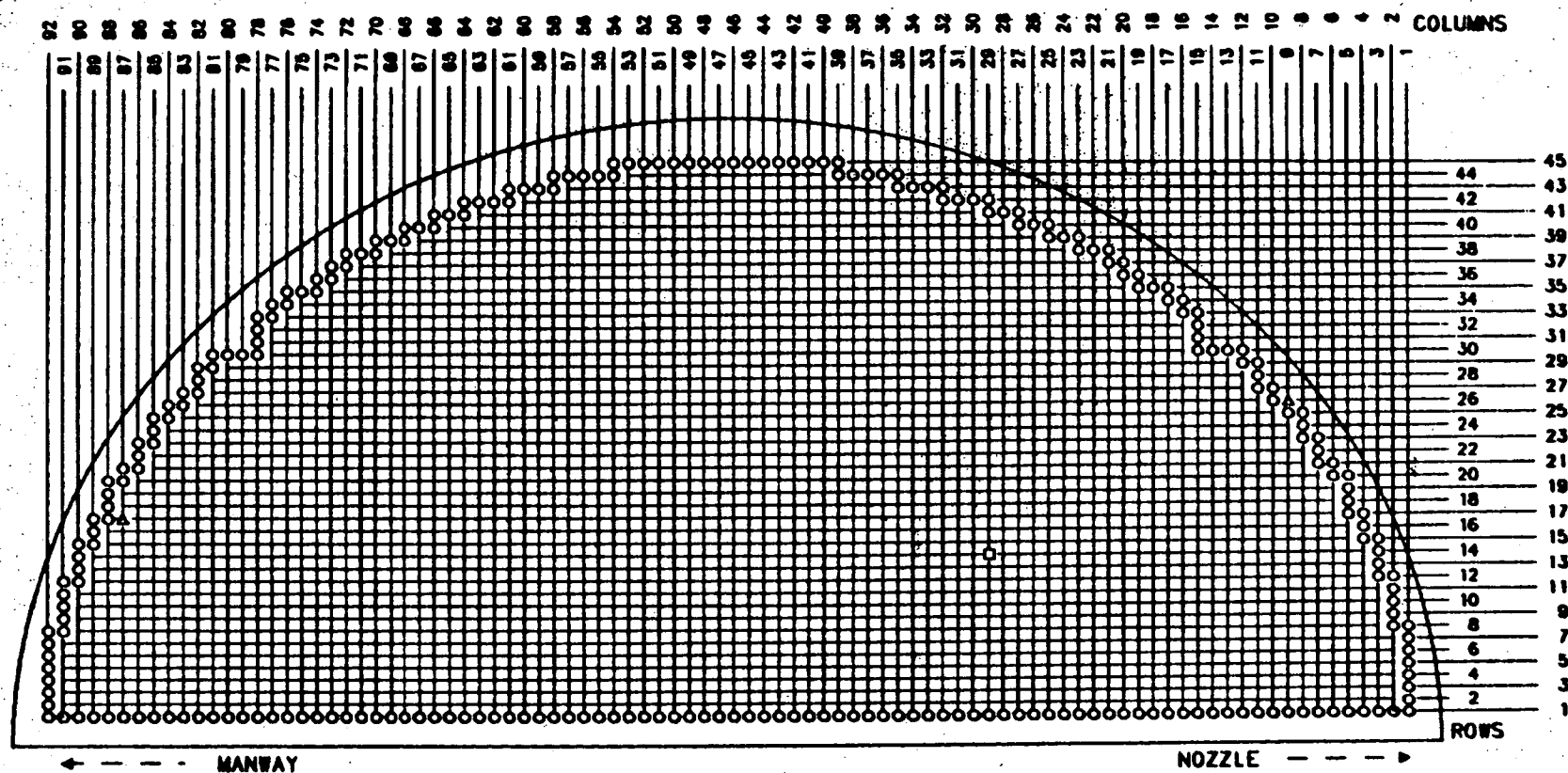
H. B. ROBINSON UNIT 2
 RTS NOVEMBER 1983 COLD LEG INSPECTION

SERIES 44
 CPL-A



H. B. ROBINSON UNIT 2
AVB NOVEMBER 1983 COLD LEG INSPECTION

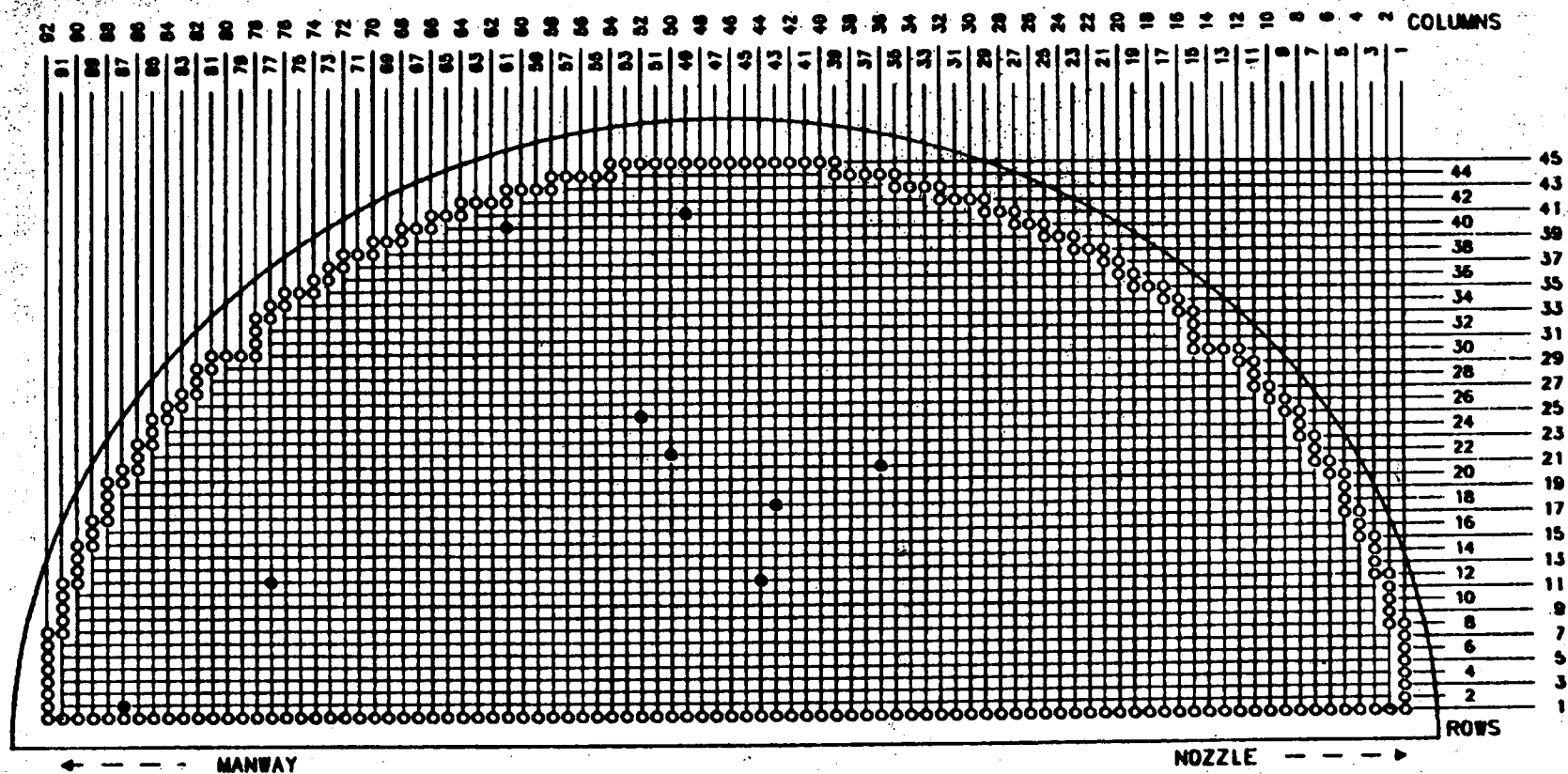
SERIES 44
CPL-A



01-20 17 PERCENT
 21-40 10 PERCENT
 41-60 10 PERCENT
 61-80 10 PERCENT
 81-100 10 PERCENT

H. B. ROBINSON UNIT 2
 DATE NOVEMBER 1983 HOT LEG INSPECTION

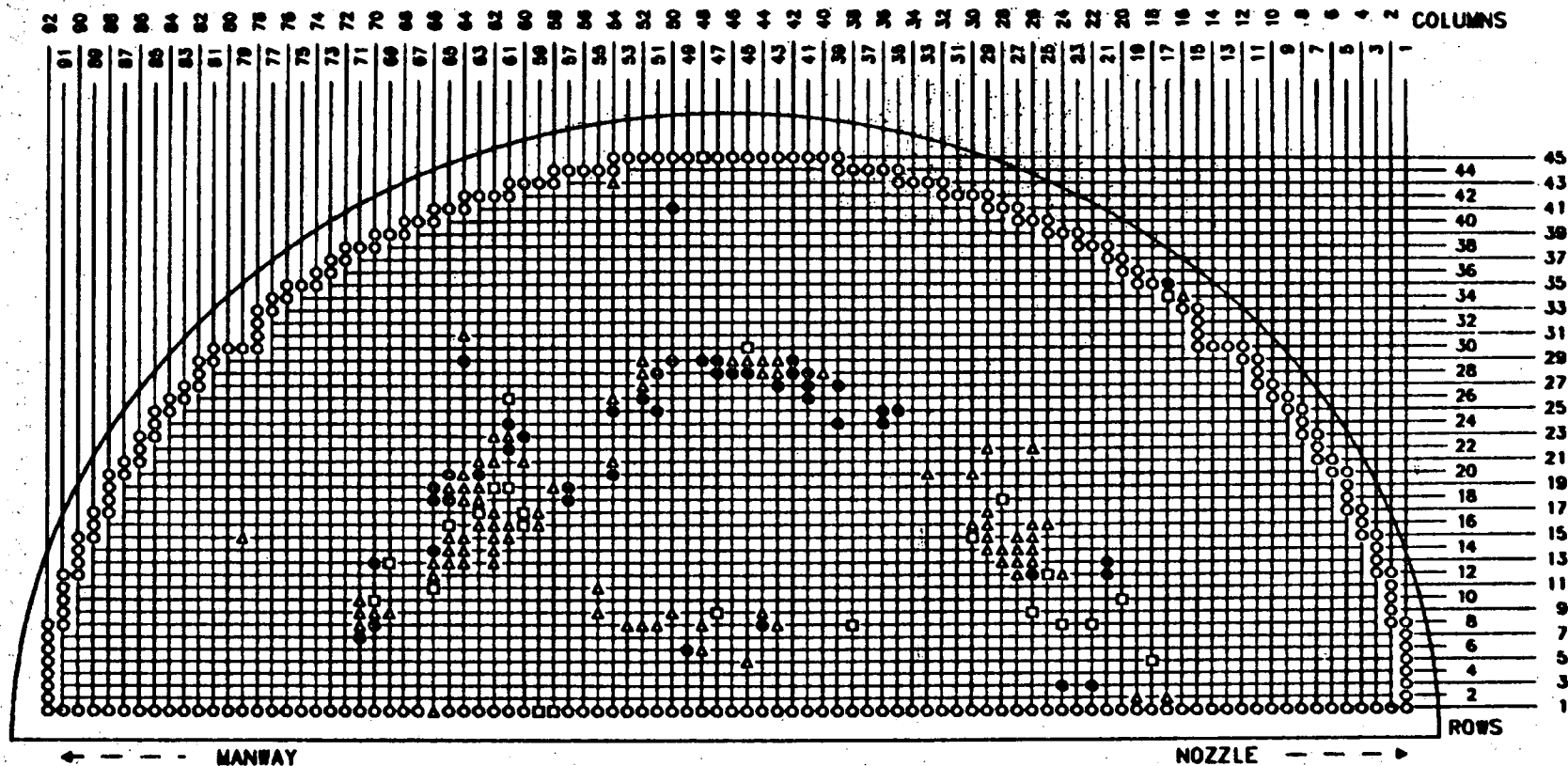
SERIES 44
 CPL-B



□ 130
 △ 120 10 107 PERCENT
 ● 10 100 PERCENT

H. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 HOT LEG INSPECTION

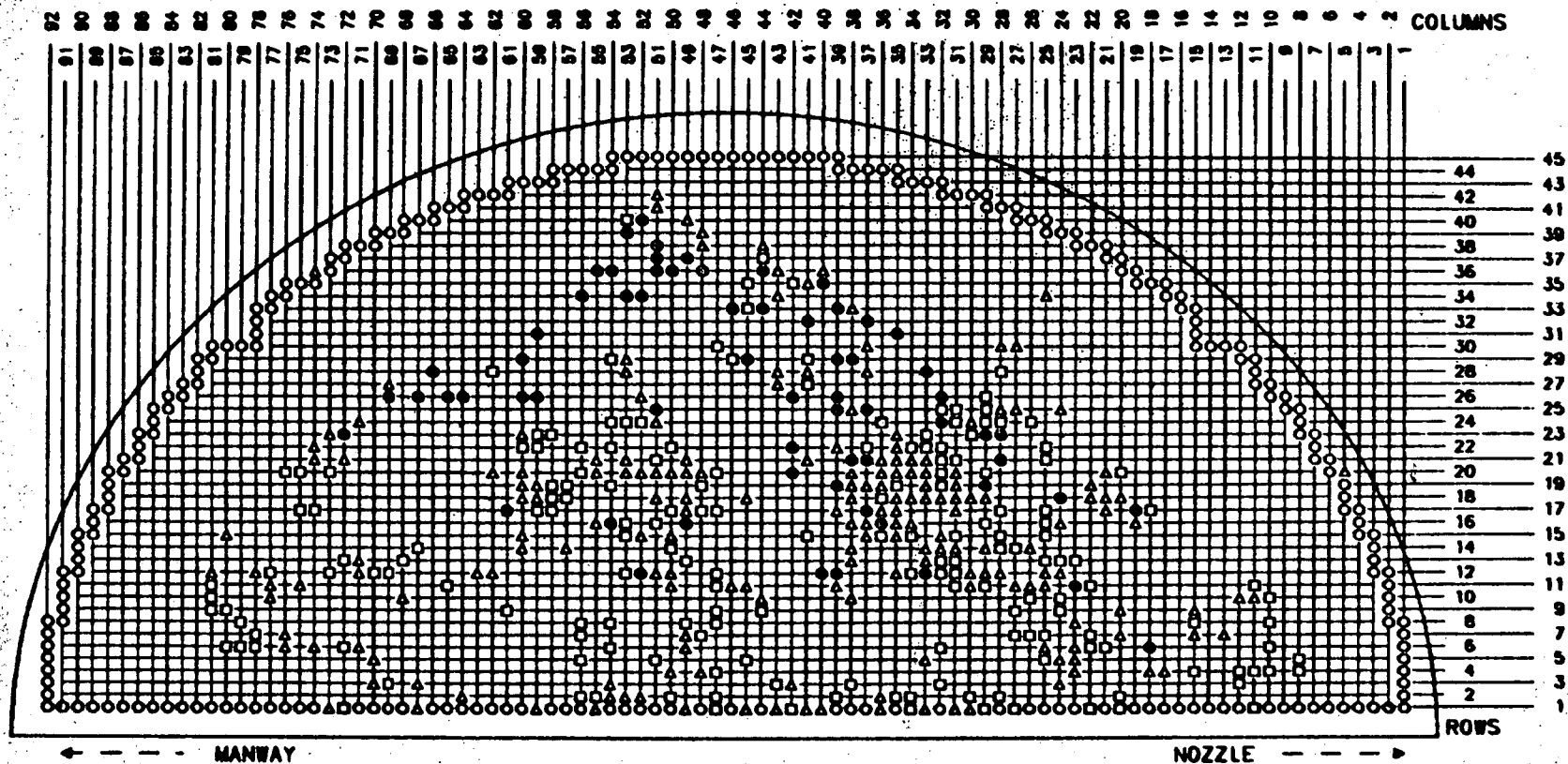
SERIES 44
 CPL-B



□ 100 PERCENT
 ● 75 PERCENT
 ○ 50 PERCENT
 △ 25 PERCENT

H. B. ROBINSON UNIT 2
 RTS NOVEMBER 1983 HOT LEG INSPECTION

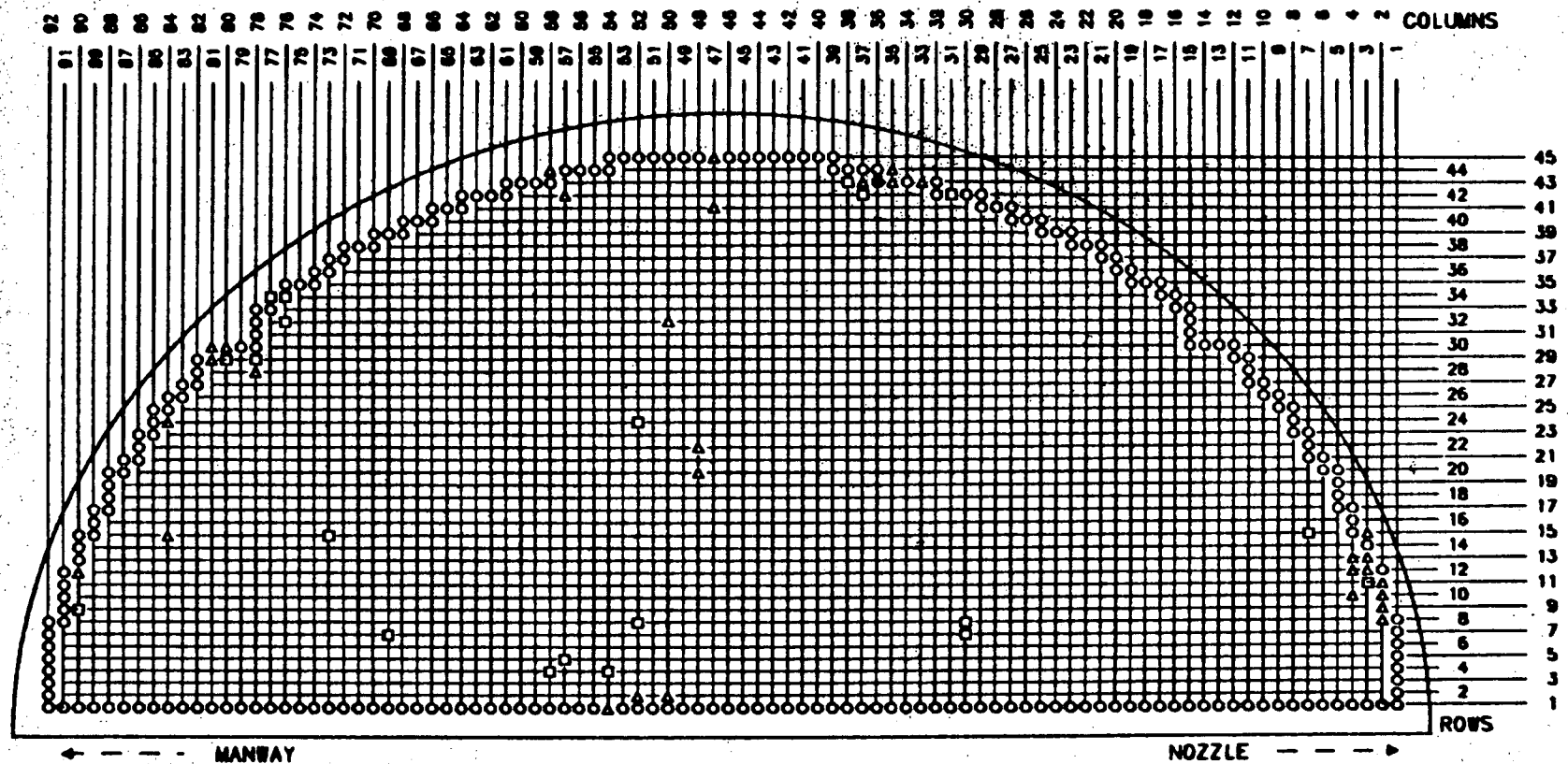
SERIES 44
 CPL-B



□ 220
 △ 200 10 17 PERCENT
 ● 100 10 100 PERCENT

H. B. ROBINSON UNIT 2
 TSP NOVEMBER 1983 HOT LEG INSPECTION

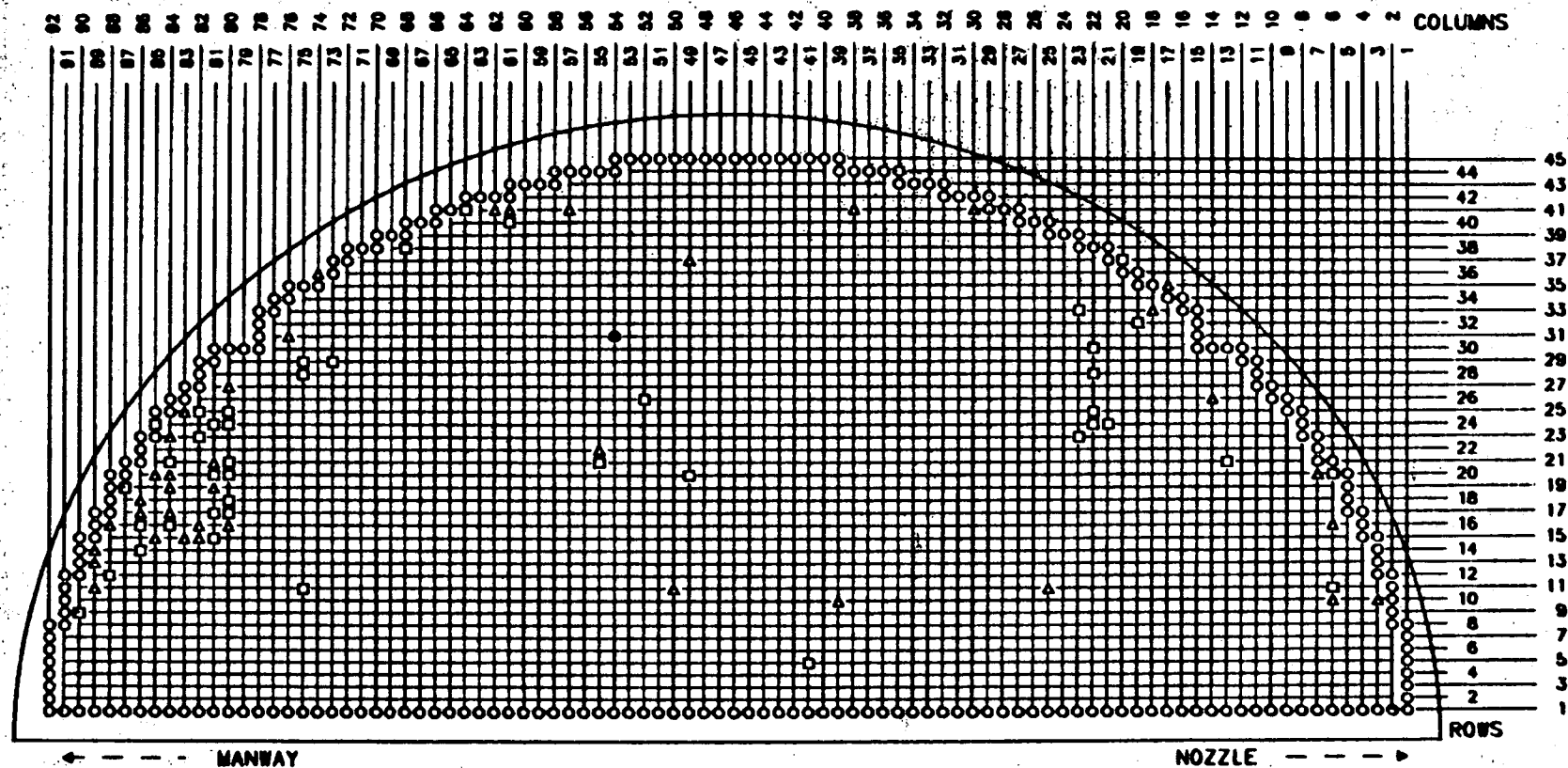
SERIES 44
 CPL - B



□ 30 TO 37 PERCENT
 △ 38 TO 47 PERCENT
 ● 48 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 NOVEMBER 1983 HOT LEG INSPECTION

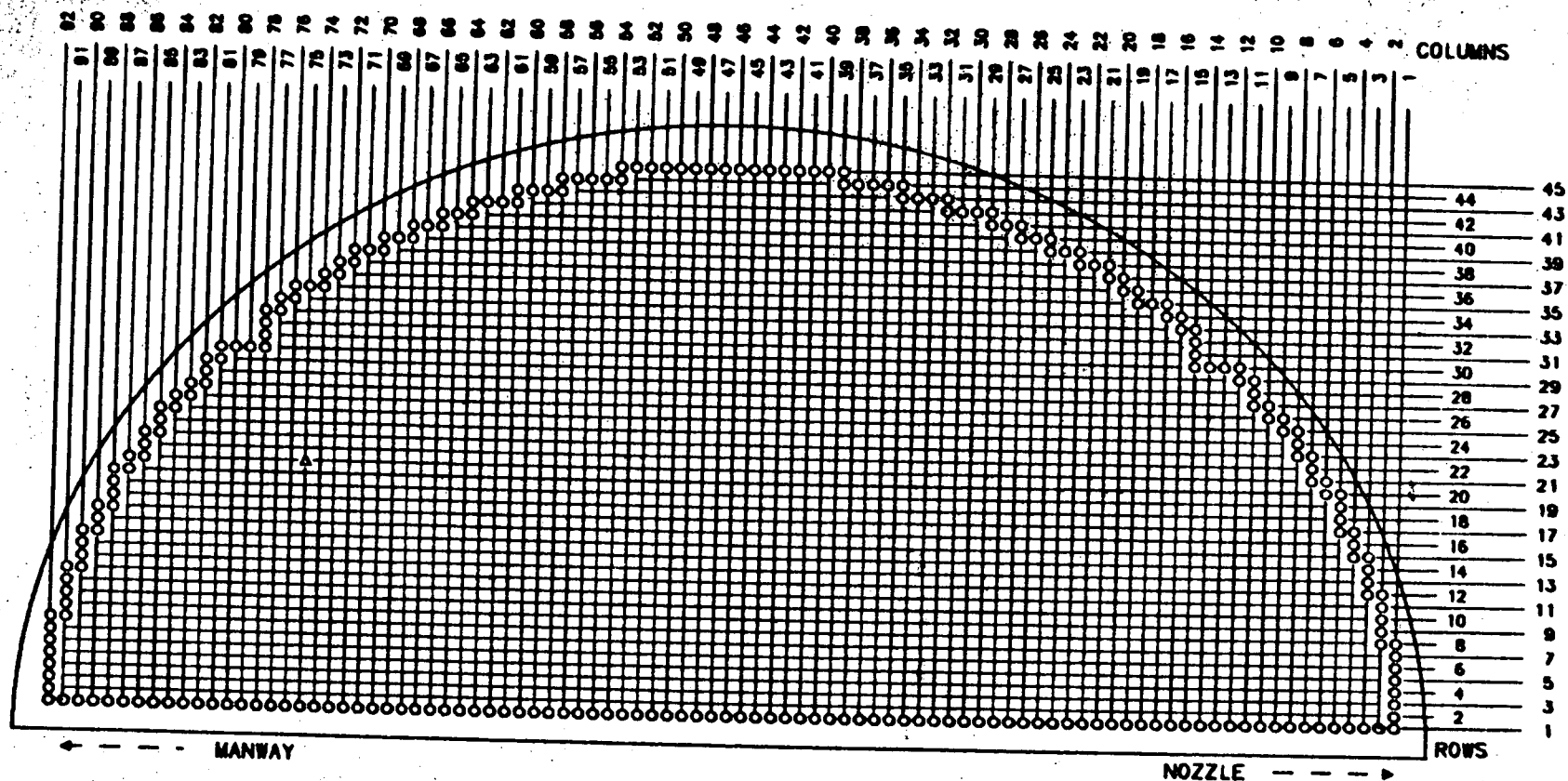
SERIES 44
 CPL-B



□ 1.30
 ▲ 1.35 TO 1.07 PERCENT
 ○ 1.00 TO 1.00 PERCENT

H. B. ROBINSON UNIT 2
 ATE NOVEMBER 1983 COLD LEG INSPECTION

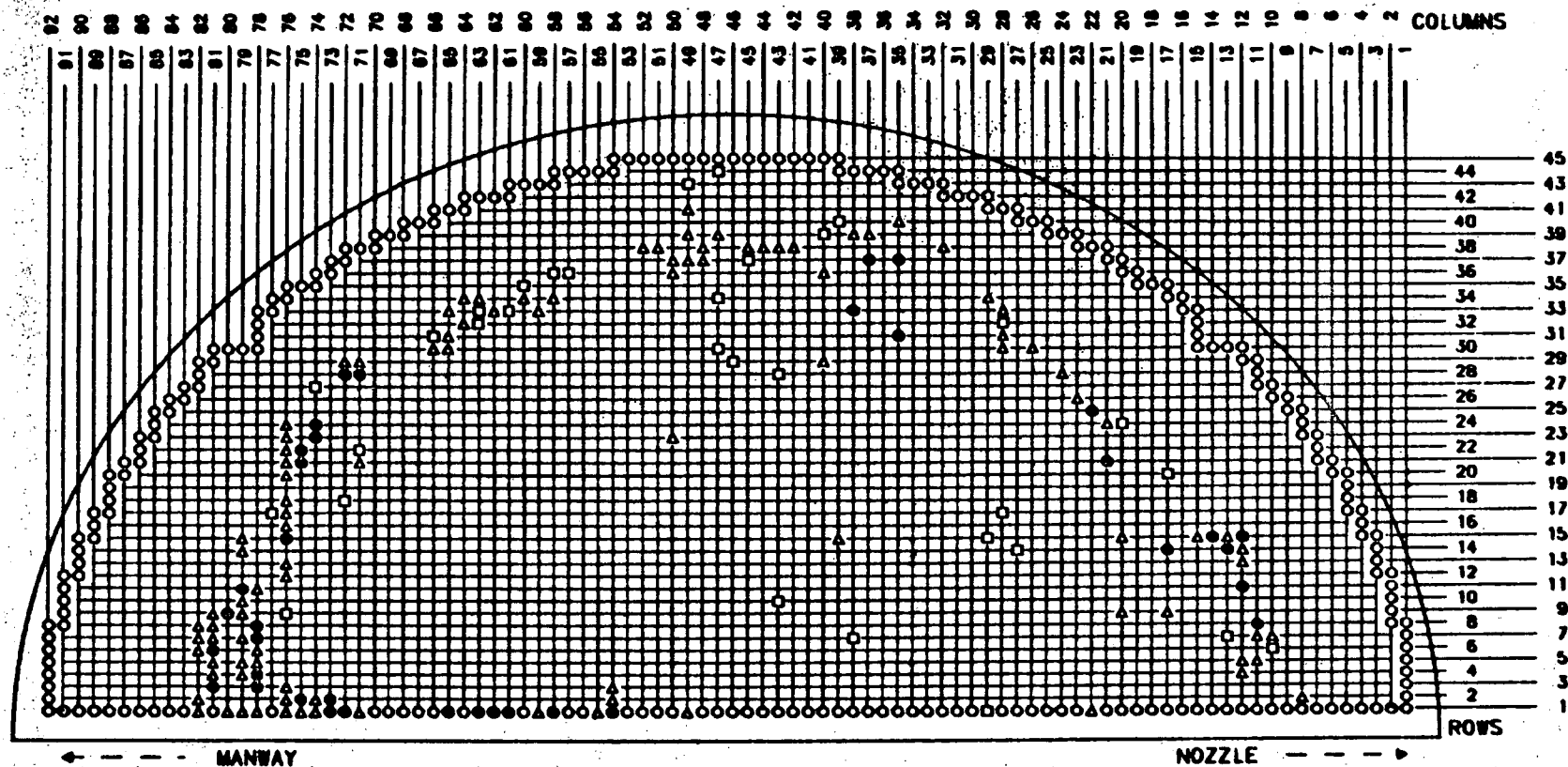
SERIES 44
 CPL-B



0.120
 0.20 18 17 PERCENT
 0.28 18 100 PERCENT

H. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 COLD LEG INSPECTION

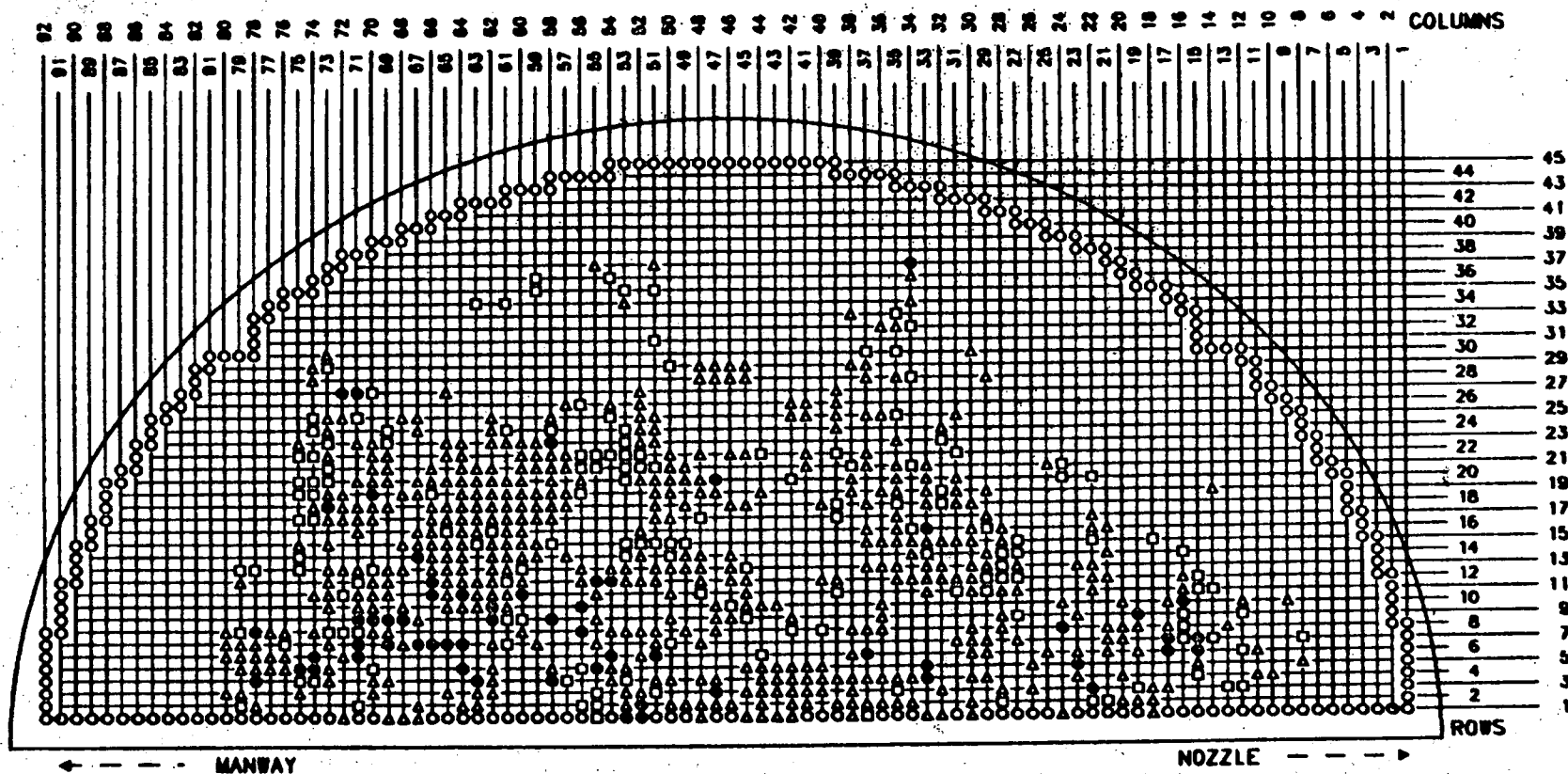
SERIES 44
 CPL-B



□ 100 PERCENT
 △ 75 PERCENT
 ● 50 PERCENT

H. B. ROBINSON UNIT 2
 ATS NOVEMBER 1983 COLD LEG INSPECTION

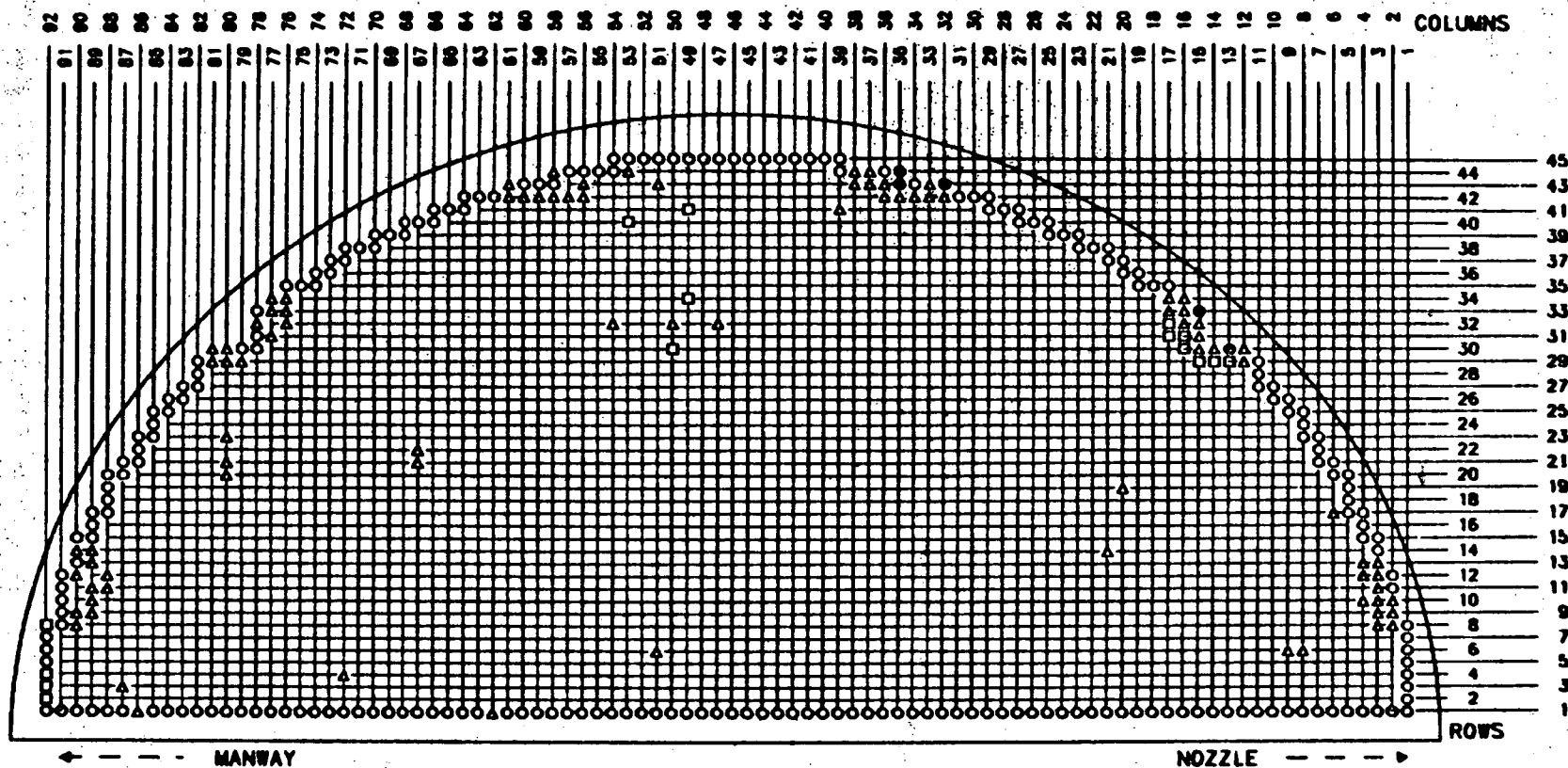
SERIES 44
 CPL-B



□ 430
 △ 20 70 17 PERCENT
 ● 40 70 100 PERCENT

H. B. ROBINSON UNIT 2
 TSP NOVEMBER 1983 COLD LEG INSPECTION

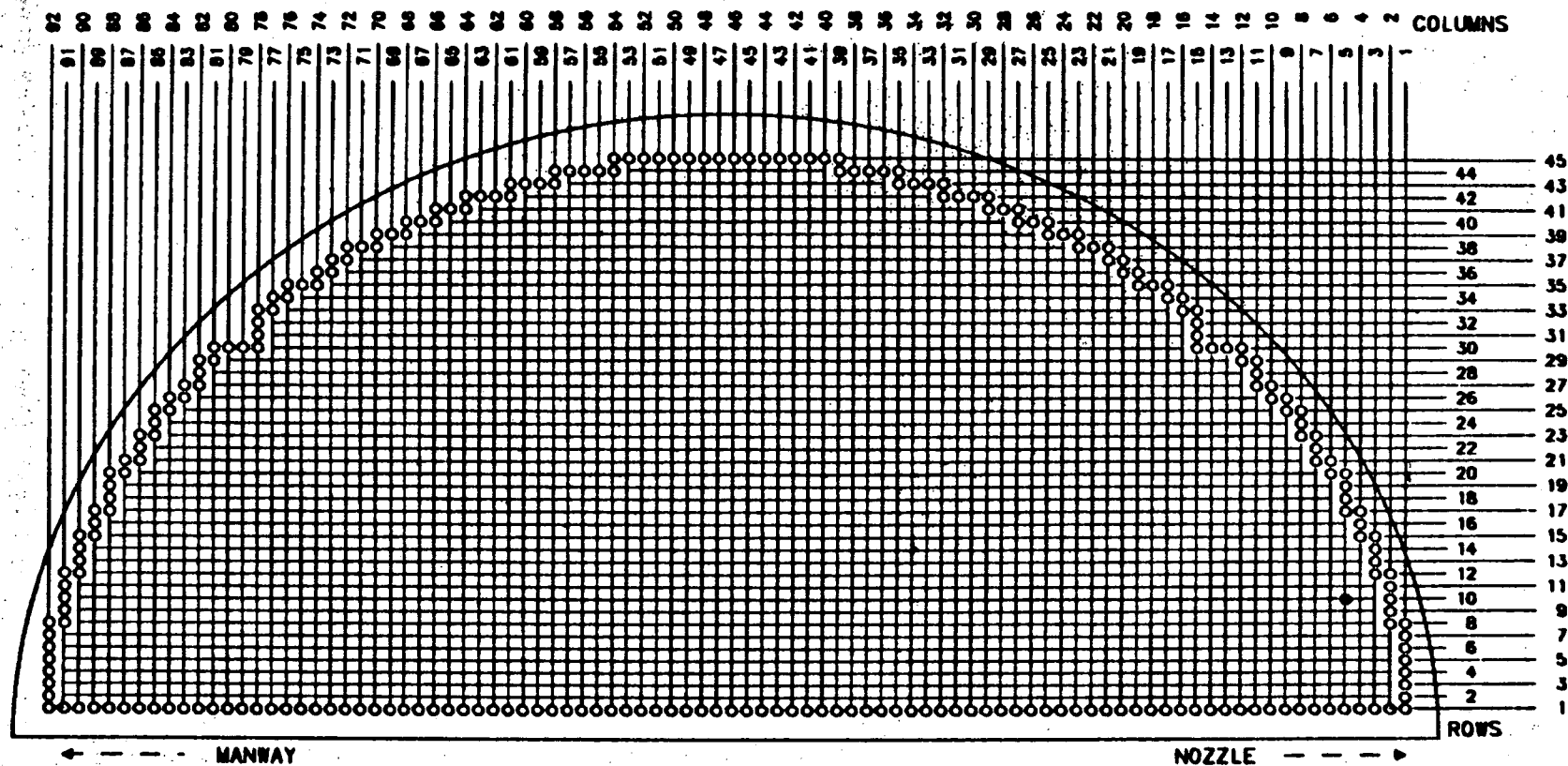
SERIES 44
 CPL-B



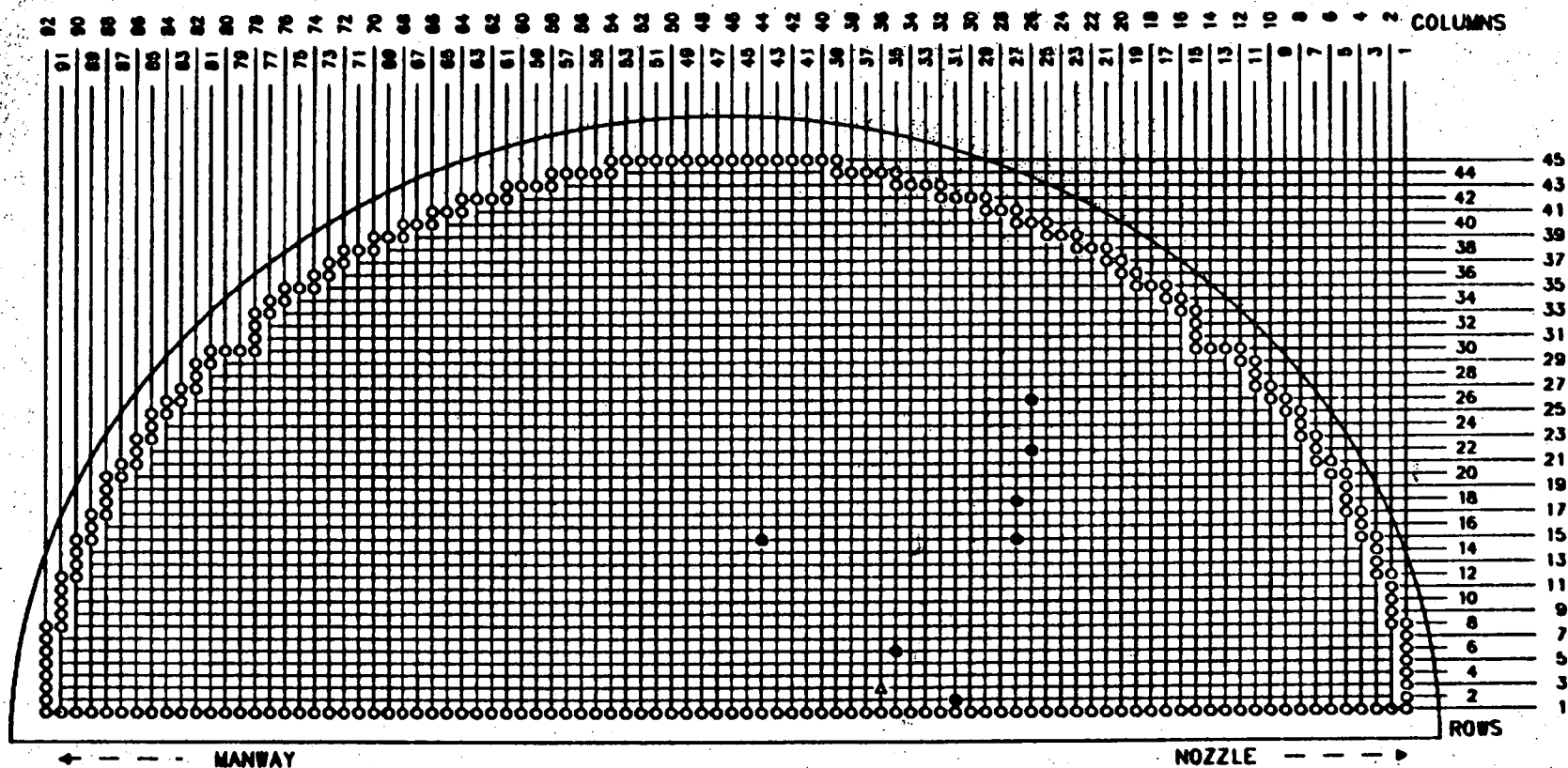
1.20
 20 TO 100 PERCENT
 1.20 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 NOVEMBER 1983 COLD LEG INSPECTION

SERIES 44
 CPL-B



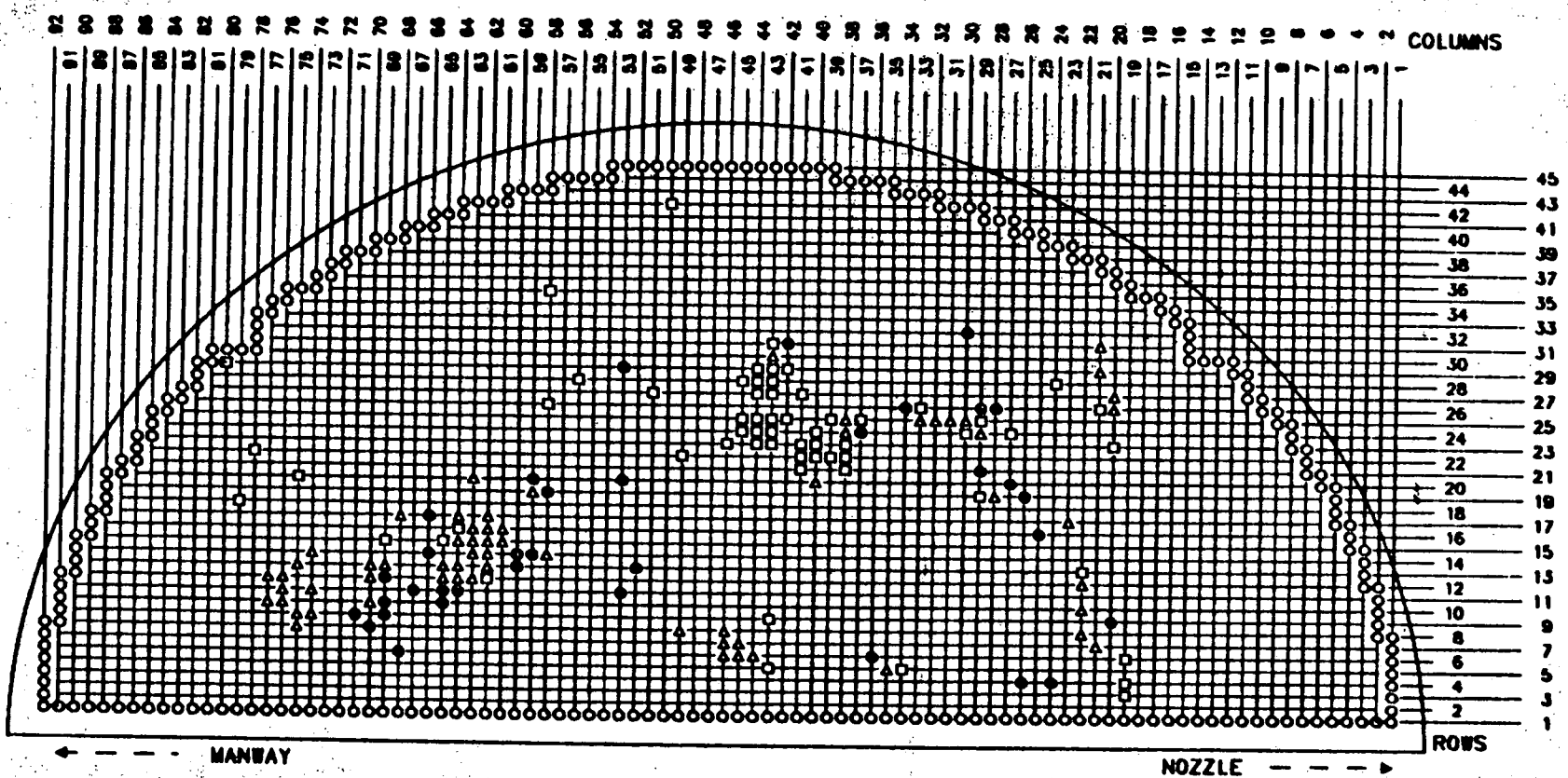
SERIES 44
CPL-C



□ 30 PERCENT
 △ 70 PERCENT
 ● 100 PERCENT

H. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 HOT LEG INSPECTION

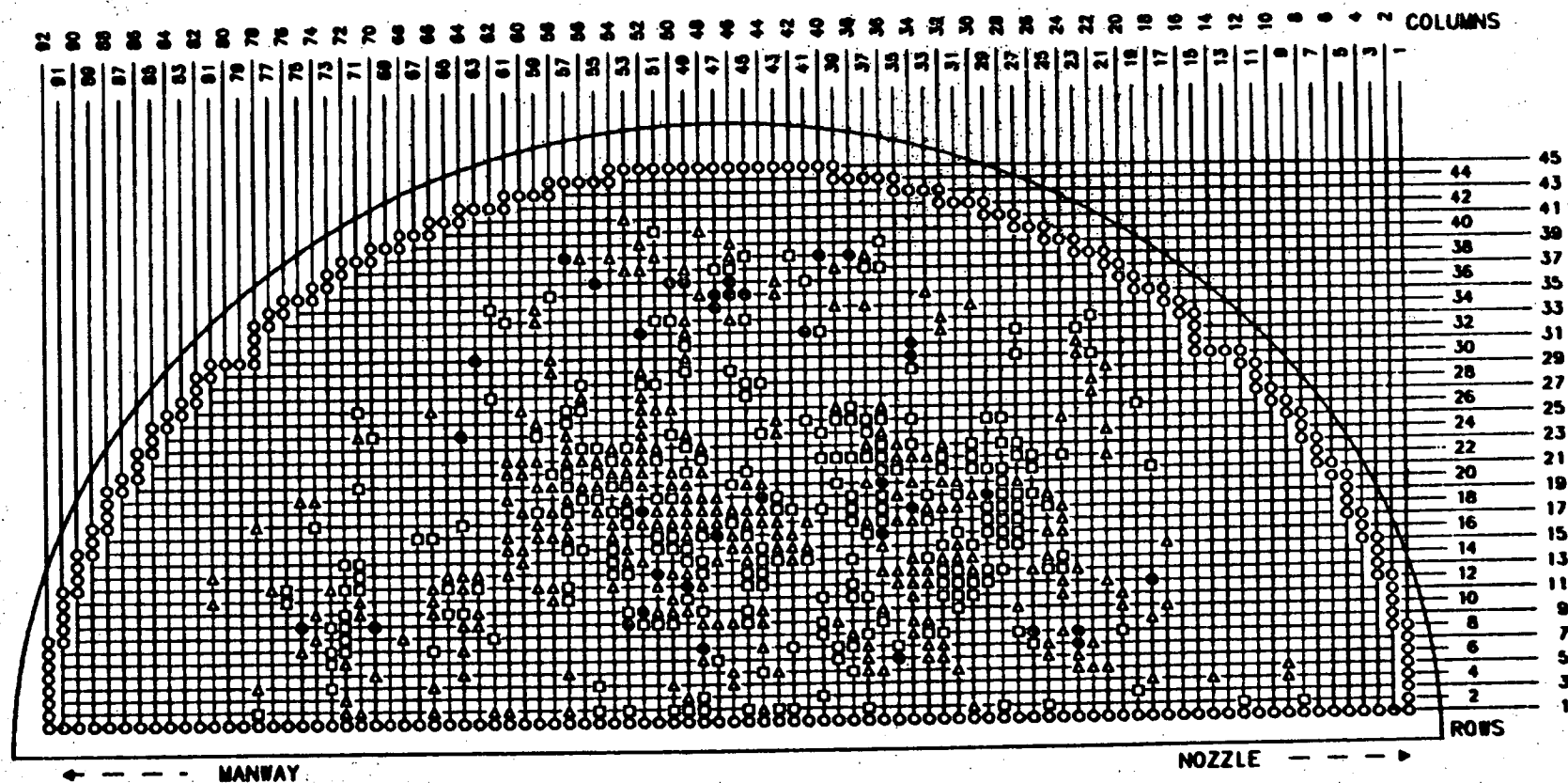
SERIES 44
 CPL-C



120 97 PERCENT
 20 10 97 PERCENT
 48 10 100 PERCENT

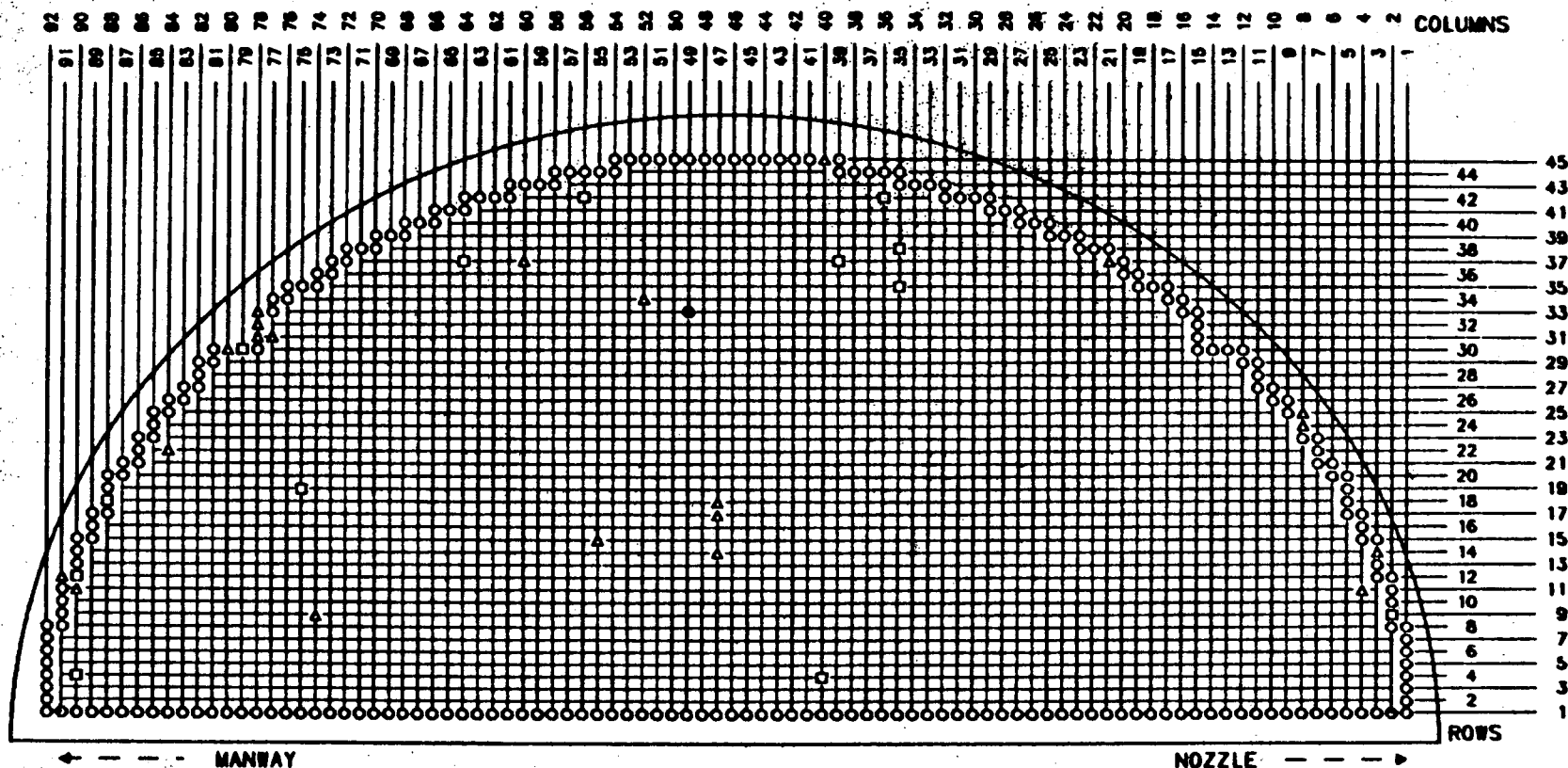
H. B. ROBINSON UNIT 2
 ATS NOVEMBER 1983 HOT LEG INSPECTION

SERIES 44
 CPL-C



H. B. ROBINSON UNIT 2
TSP NOVEMBER 1983 HOT LEG INSPECTION

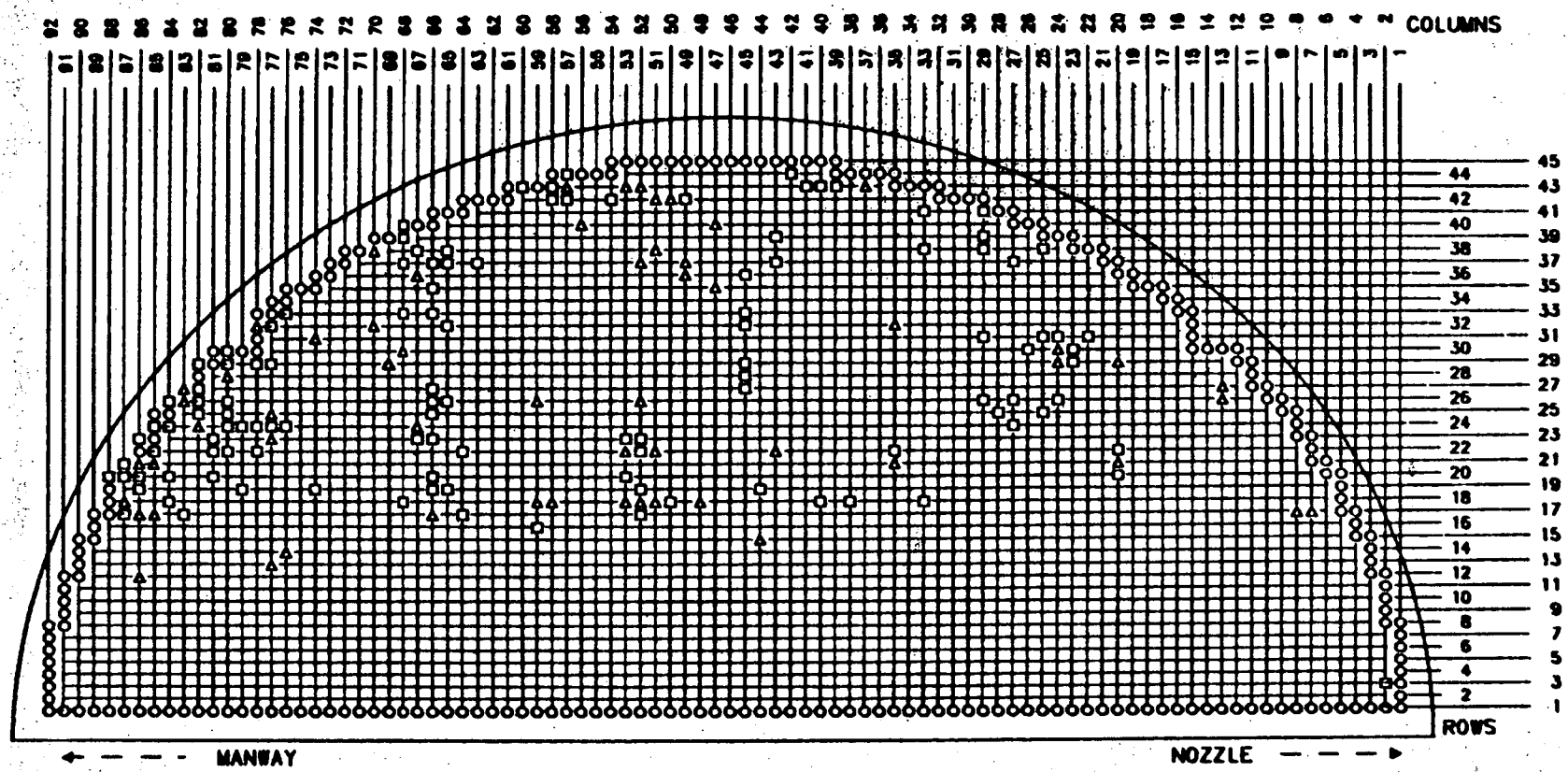
SERIES 44
CPL-C



30
 20 TO 17 PERCENT
 10 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 NOVEMBER 1983 HOT LEG INSPECTION

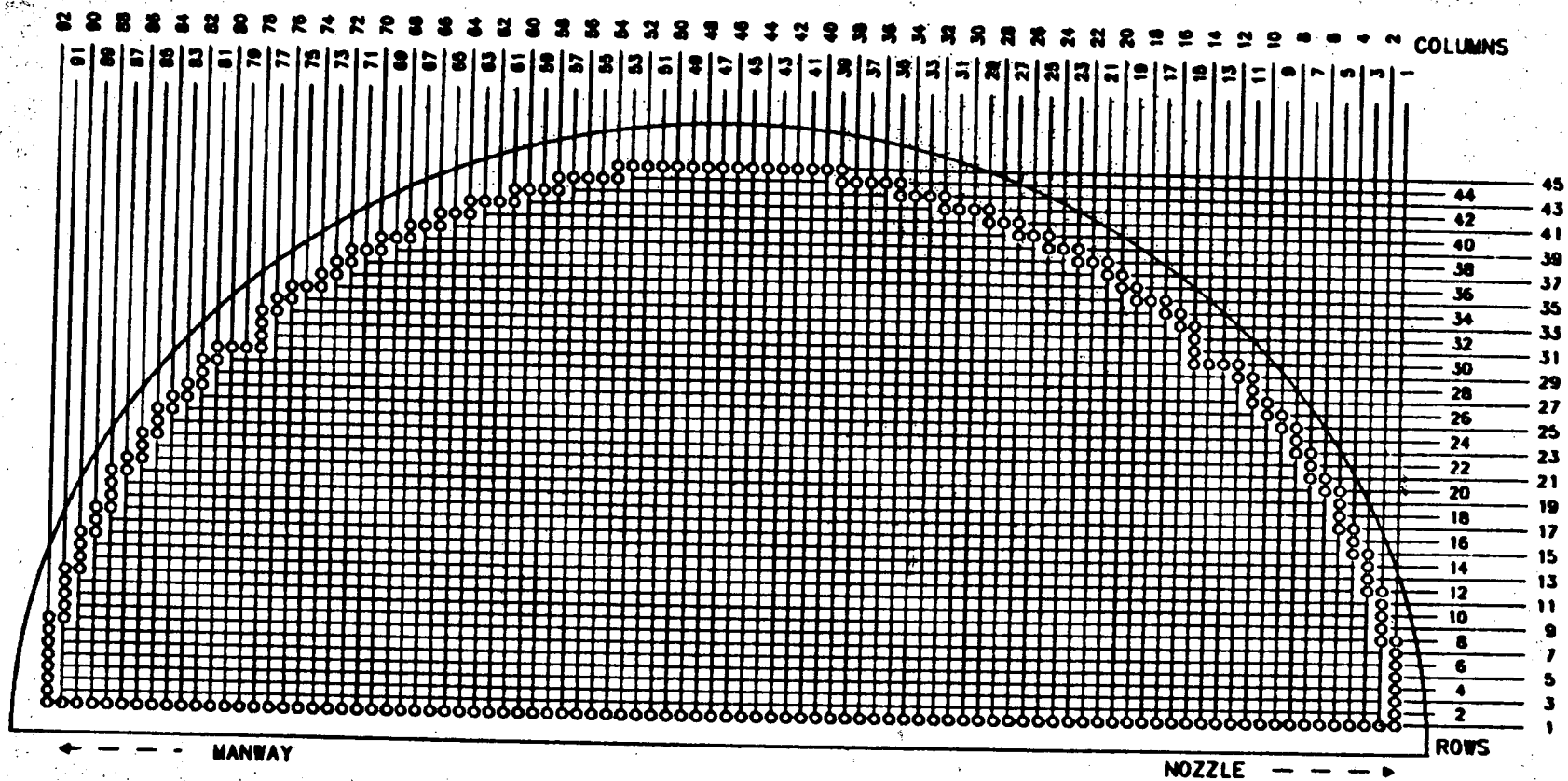
SERIES 44
 CPL - C



□	20	TO	97	PERCENT
●	40	TO	100	PERCENT

H. B. ROBINSON UNIT 2
ATE NOVEMBER 1983 COLD LEG INSPECTION

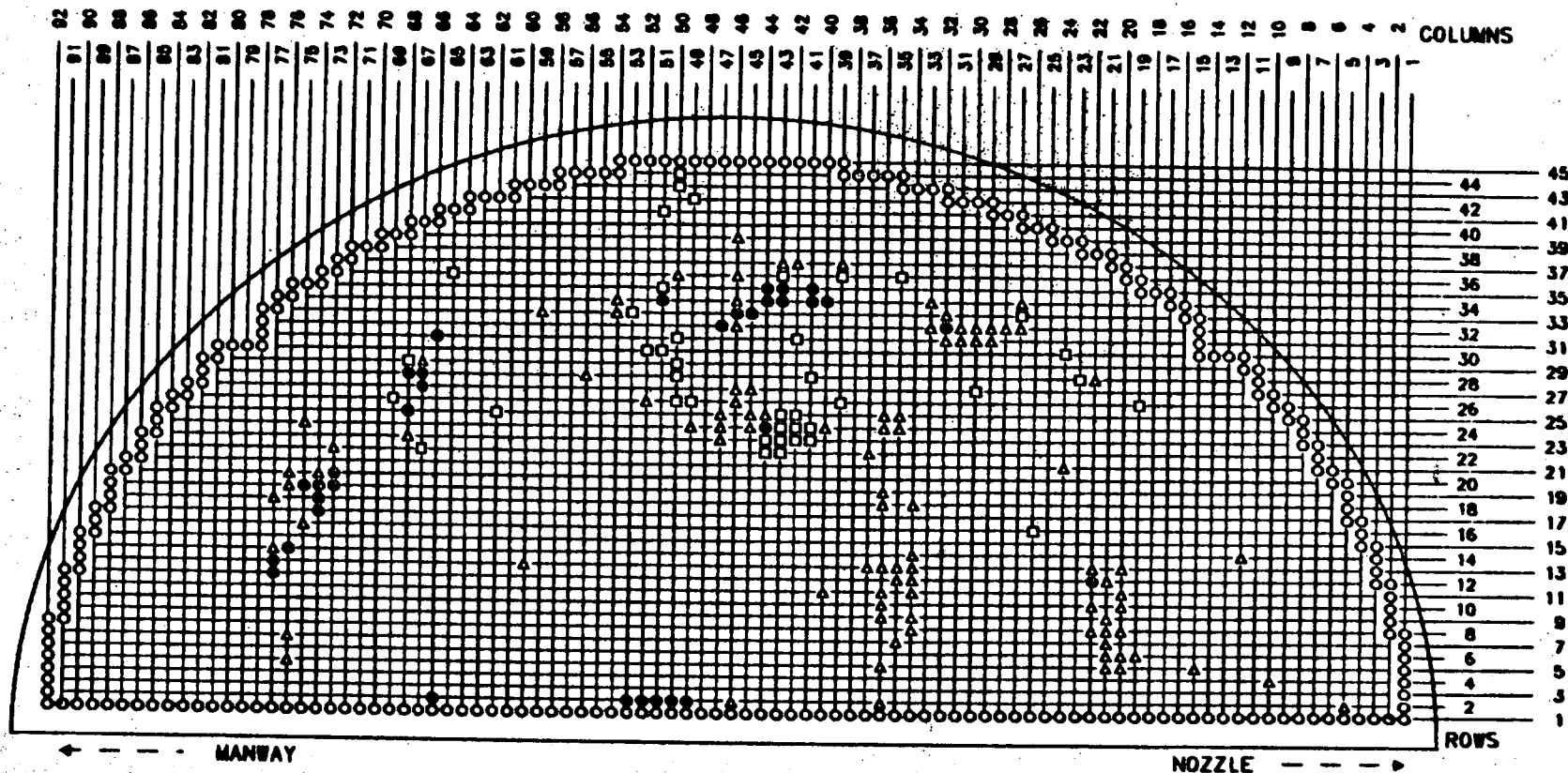
SERIES 44
CPL - C



0 30 0
 0 40 10 100 PERCENT
 0 40 10 100 PERCENT

M. B. ROBINSON UNIT 2
 TTS NOVEMBER 1983 COLD LEG INSPECTION

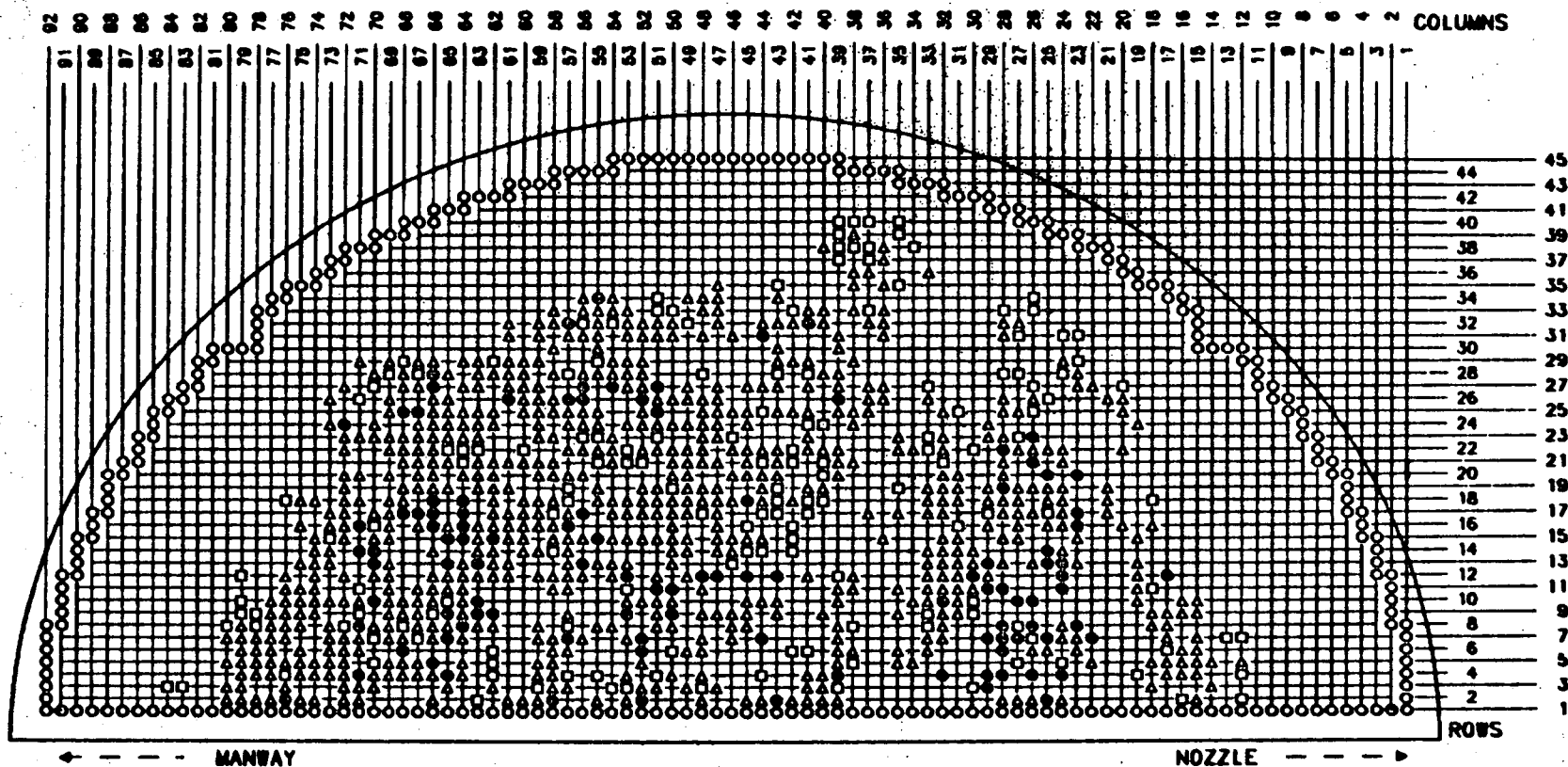
SERIES 44
 CPL-C



□ 20 TO 47 PERCENT
 ● 48 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 ATS NOVEMBER 1983 COLD LEG INSPECTION

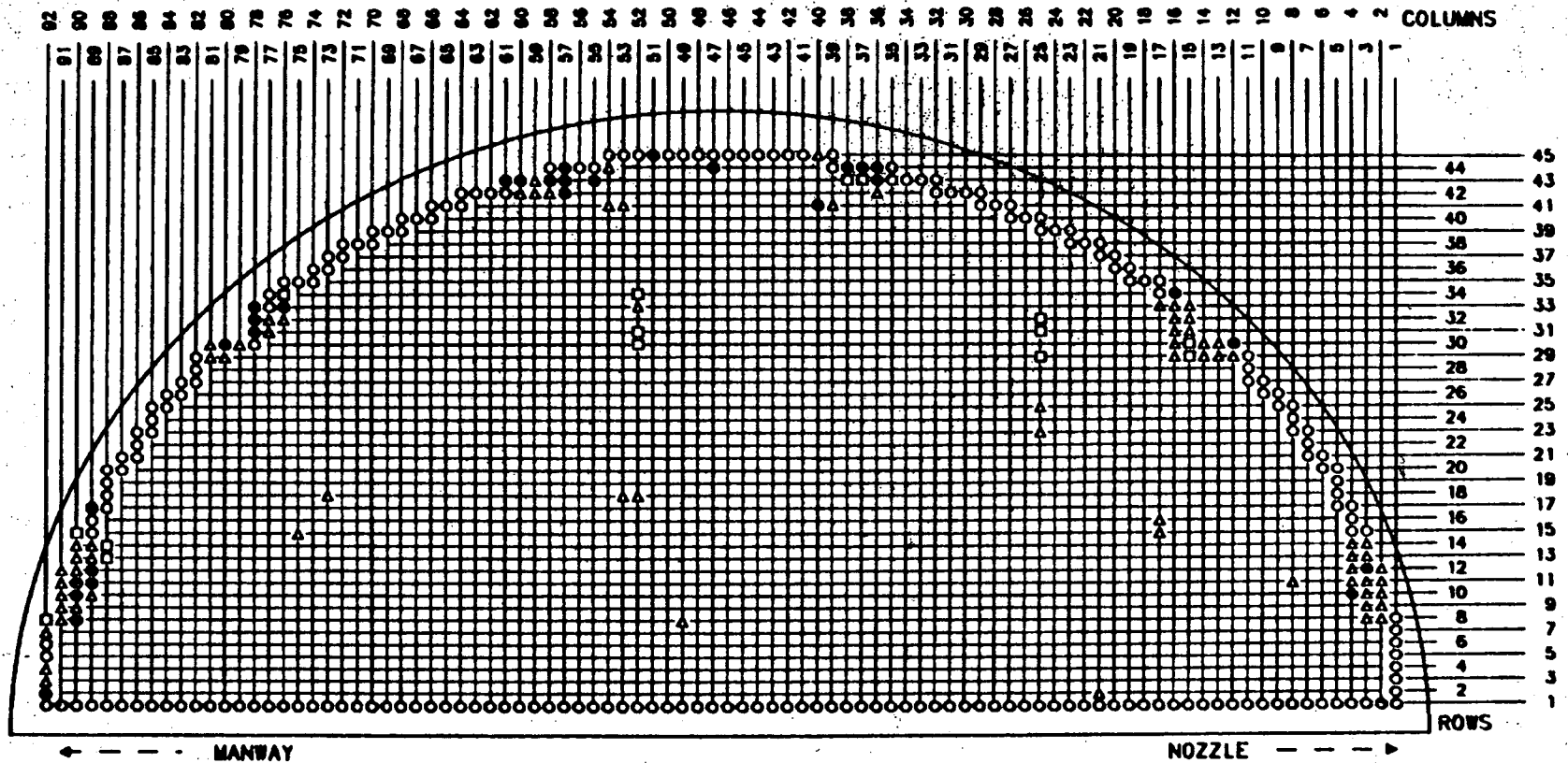
SERIES 44
 CPL-C



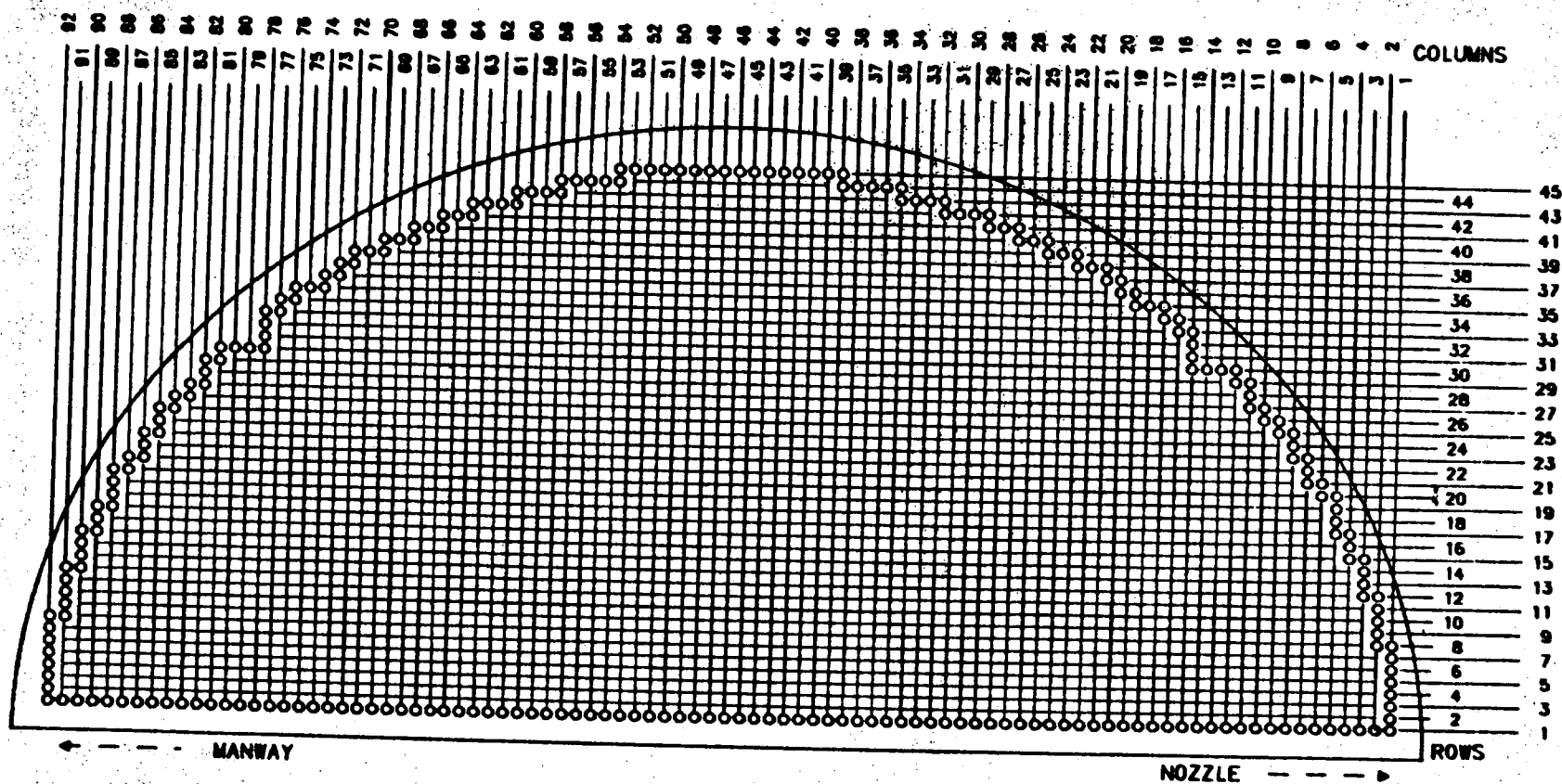
100 TO 107 PERCENT
 100 TO 100 PERCENT

H. B. ROBINSON UNIT 2
 TSP NOVEMBER 1983 COLD LEG INSPECTION

SERIES 44
 CPL - C



SERIES 44
CPL - C



ATTACHMENT VIII

Listings of Pluggable Indications

LISTING OF PLUGGABLES FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS ----
14	9	H	80	TS	-19.00	-22.00	720	TSH	5	0.47	47	
19	10	H	80	TS	-21.10	-22.00	720	TSH	5	0.42	47	
8	15	H	53	TS	00.00	00.00	720	1H	5	3.51	42	
9	15	H	57	TS	00.00	00.00	720	1H	5	1.28	50	
19	16	H	72	TS	04.60	00.00	720	1H	1	4.06	42	
26	17	H	78	TS	03.70	00.00	720	6H	1	8.65	43	
3	20	H	60	TS	00.00	00.00	720	3H	5	3.30	39	
8	20	H	78	TS	-04.20	-22.00	720	1H	1	0.42	42	
21	20	H	58	TS	11.90	00.00	720	2H	1	1.45	39	
29	20	H	68	TS	05.10	00.00	720	1H	1	3.65	26	
12	21	H	64	TS	00.80	00.00	720	2H	5	1.56	39	
13	21	H	52	TS	00.40	00.00	720	2H	5	2.09	39	
14	21	H	60	TS	00.40	00.00	720	2H	5	1.87	39	
11	22	H	49	TS	00.90	00.00	720	2H	5	2.55	39	
18	22	H	54	TS	00.50	00.00	720	2H	5	1.14	39	
11	25	H	SQRL	TS	-13.30	-22.00	720	2H	5	0.77	39	
11	25	H	SQRL	TS	-16.30	-22.00	720	UBH	5	0.72	2	
12	26	H	82	TS	-03.80	-22.00	720	3H	5	1.13	39	
15	26	H	91	TS	-05.20	-22.00	720	2H	5	1.38	39	

LISTING OF PLUGGABLES FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
16	26	H	SQRL	TS	-16.50	-22.00	720	1H	5	0.38	26	
15	28	H	49	TS	01.50	02.20	720	2H	1	2.02	39	
15	29	H	87	TS	-03.00	-22.00	720	3H	5	0.78	39	
15	29	H	89	TS	-07.80	-22.00	720	UBH	5	0.78	3	
7	30	H	SQRL	TS	-11.70	-22.00	720	1H	5	0.75	42	
12	30	H	90	TS	-10.30	-22.00	720	2H	5	0.53	39	
15	30	H	85	TS	-01.00	-22.00	720	2H	5	0.54	39	
15	30	H	87	TS	-04.20	-22.00	720	UBH	5	0.44	3	
24	33	H	81	TS	00.60	00.00	720	4H	1	0.87	39	
26	35	H	69	TS	00.30	00.00	720	3H	1	1.10	39	
13	36	H	49	TS	01.40	00.00	720	2H	1	1.64	39	
32	36	H	66	TS	12.80	00.00	720	2H	1	4.65	39	
32	37	H	69	TS	12.50	00.00	720	3H	1	1.75	39	
9	38	H	48	TS	00.40	00.00	720	1H	1	2.86	42	
22	41	H	60	TS	01.40	00.00	720	2H	5	1.25	39	
32	42	H	72	TS	20.10	00.00	720	3H	1	3.07	39	
12	43	H	64	TS	00.00	00.00	720	2H	5	6.92	39	
21	43	H	49	TS	01.90	00.00	720	4H	1	0.72	39	
13	44	H	93	TS	00.70	00.00	720	2H	1	1.07	39	
30	46	H	59	TS	00.50	00.00	720	2H	1	1.06	39	

LISTING OF PLUGGABLES FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	47	H	50	TS	01.50	00.00	720	1H	5	1.84	39	
11	48	H	58	TS	01.80	00.00	720	1H	5	1.83	39	
11	48	H	53	TS	02.40	00.00	720	1H	5	1.24	39	
11	49	H	52	TS	01.70	00.00	720	2H	5	1.38	39	
28	53	H	55	TS	02.10	00.00	720	1H	1	1.31	42	
34	55	H	48	TS	19.80	00.00	720	1H	1	1.15	42	
12	56	H	SQRL	TS	-08.50	-03.00	720	1H	5	1.02	42	
28	58	H	SQRL	TS	-09.30	-05.70	720	1H	5	0.49	42	
24	60	H	62	TS	01.00	00.00	720	TSH	1	2.43	44	
15	63	H	57	TS	02.40	00.00	720	1H	1	1.63	42	
15	64	H	60	TS	01.20	00.00	720	1H	1	1.47	42	
25	64	H	SQRL	TS	-11.10	-05.70	720	1H	5	0.95	42	
18	68	H	52	TS	00.80	00.00	720	1H	1	1.66	42	
16	72	H	SQRL	TS	-05.20	-22.00	720	1H	1	0.30	42	
20	75	H	63	TS	09.60	00.00	720	1H	1	4.31	42	
18	76	H	70	TS	10.30	00.00	720	1H	1	9.27	42	
20	76	H	51	TS	09.20	00.00	720	1H	1	1.03	42	
16	77	H	78	TS	15.00	00.00	720	1H	1	4.12	42	
34	77	H	50	V2	00.00	00.00	720	UBH	5	1.17	16	
23	78	H	81	TS	02.10	00.00	720	1H	1	5.12	42	

LISTING OF PLUGGABLES FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	79	H	81	TS	06.00	00.00	720	1H	1	6.77	42	
8	83	H	49	TS	04.50	00.00	720	4H	1	0.80	50	

LISTING OF PLUGGABLES FOR PL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	3	C	54	1	00.60	00.00	720	4H	5	3.91	44	
10	14	C	49	TS	01.00	00.00	720	2H	1	1.60	44	
15	14	C	65	TS	00.00	00.00	720	6H	5	2.02	44	
18	14	C	65	TS	00.00	00.00	720	2H	5	1.09	44	
6	16	C	51	TS	05.10	00.00	720	2H	1	1.36	44	
9	16	C	51	TS	00.60	00.00	720	2H	1	1.11	44	
10	16	C	51	TS	01.50	00.00	720	2H	1	1.58	44	
4	17	C	52	TS	02.90	00.00	720	2H	1	1.17	44	
5	17	C	98	TS	05.40	00.00	720	2H	1	1.64	44	
6	17	C	76	TS	01.00	00.00	720	1H	5	1.44	47	
15	17	C	90	TS	00.00	00.00	720	2H	5	4.64	44	
4	18	C	82	TS	04.00	00.00	720	1H	1	0.87	47	
12	18	C	52	TS	01.40	00.00	720	2H	1	2.68	44	
7	20	C	53	TS	06.10	00.00	720	2H	5	2.20	44	
8	20	C	56	TS	06.70	00.00	720	2H	5	3.13	29	
17	20	C	68	TS	01.20	00.00	720	2H	1	2.20	44	
17	21	C	52	TS	01.90	00.00	720	2H	1	1.19	44	
19	22	C	49	TS	00.90	00.00	720	2H	1	2.26	44	

LISTING OF PLUGGABLES FOR PL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	24	C	49	TS	09.70	00.00	720	2H	1	2.65	44	
6	32	C	61	TS	03.70	00.00	720	2H	5	1.74	44	
6	33	C	58	TS	07.50	00.00	720	2H	5	1.35	44	
32	41	C	53	1	03.00	00.00	720	2H	1	1.41	44	
31	43	C	60	TS	03.80	00.00	720	2H	1	1.73	44	
2	49	C	64	TS	00.00	00.00	720	1H	5	1.46	44	
6	49	C	61	TS	09.30	00.00	720	4H	1	1.90	47	
31	49	C	50	TS	04.60	00.00	720	2H	1	3.20	44	
7	50	C	67	TS	01.90	00.00	720	6H	4	1.09	44	
13	52	C	55	TS	11.90	00.00	720	2H	1	2.69	44	
8	53	C	65	3	00.00	00.00	720	5H	5	2.28	47	
44	56	C	51	2	00.00	00.00	720	3H	5	5.85	44	
3	57	C	87	TS	06.20	00.00	720	2H	5	1.40	44	
21	57	C	48	TS	12.50	00.00	720	2H	1	2.99	44	
21	57	C	49	TS	13.20	00.00	720	2H	5	0.63	44	
25	57	C	53	TS	10.10	00.00	720	2H	1	1.85	44	
20	59	C	73	TS	13.10	00.00	720	2H	5	1.34	44	
22	59	C	74	TS	10.50	00.00	720	2H	5	0.66	44	
43	59	C	50	4	01.40	00.00	720	6H	1	1.10	44	
13	60	C	51	TS	11.50	00.00	720	2H	1	1.84	44	

LISTING OF PLUGGABLES FOR PL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	60	C	52	TS	13.90	00.00	720	2H	1	1.84	44	
4	61	C	50	3	00.00	00.00	720	6H	5	3.36	44	
26	61	C	71	TS	07.00	00.00	720	2H	1	1.13	44	
43	61	C	58	4	00.00	00.00	720	6H	5	14.35	44	
3	62	C	53	3	00.00	00.00	720	6H	5	7.39	44	
4	64	C	62	1	00.00	00.00	720	6H	5	2.17	44	
4	64	C	49	3	00.00	00.00	720	6H	5	8.74	44	
32	64	C	57	TS	00.00	00.00	720	2H	5	2.90	44	
4	65	C	58	3	00.00	00.00	720	6H	5	3.96	44	
4	73	C	52	TS	04.30	00.00	720	2H	1	1.59	44	
2	77	C	93	TS	00.00	00.00	720	2H	5	4.52	44	
2	78	C	60	TS	00.00	00.00	720	2H	5	2.12	44	
10	78	C	96	TS	03.70	00.00	720	1H	1	1.69	47	
10	80	C	66	TS	00.00	00.00	720	2H	5	4.64	44	
11	80	C	67	TS	00.00	00.00	720	2H	5	3.08	44	
12	80	C	78	TS	00.00	00.00	720	2H	5	3.52	44	
13	80	C	62	TS	00.00	00.00	720	2H	5	2.51	44	
14	80	C	62	TS	00.00	00.00	720	2H	5	2.69	44	
15	80	C	52	TS	00.00	00.00	720	2H	5	2.33	44	
9	81	C	48	TS	00.00	00.00	720	2H	5	7.09	44	

LISTING OF PLUGGABLES FOR RL A COLD LEG. NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH ---	VOLT -----	REEL -----	TURNS -----
10	81	C	66	TS	00.00	00.00	720	2H	5	2.59	44	
11	81	C	50	TS	00.00	00.00	720	2H	5	5.21	44	
12	81	C	52	TS	00.00	00.00	720	2H	5	3.56	44	
13	81	C	51	TS	00.00	00.00	720	2H	5	5.46	44	

LISTING OF PLUGGABLES FOR PL 8 HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL -----	TURNS ----
35	17	H	59	TS	00.00	00.00	720	UBH	5	18.15	12	
6	18	H	74	TS	00.10	00.00	720	1H	5	1.48	35	
17	19	H	56	TS	01.20	00.00	720	2H	1	3.12	33	
12	21	H	74	TS	00.00	00.00	720	1H	5	4.08	33	
13	21	H	79	TS	00.00	00.00	720	1H	5	3.83	33	
3	22	H	71	TS	00.00	00.00	650	UBH	5	3.87	30	
3	22	H	78	TS	00.00	00.00	720	6H	5	3.12	30	
11	23	H	73	TS	00.90	00.00	720	1H	5	0.42	35	
3	24	H	88	TS	00.00	00.00	720	6H	5	3.55	31	
3	24	H	89	TS	00.00	00.00	650	UBH	5	4.10	30	
18	24	H	48	TS	10.20	00.00	720	1H	1	1.91	33	
12	26	H	49	TS	00.00	00.00	720	1H	5	8.92	33	
21	28	H	73	TS	21.80	00.00	720	1H	5	6.30	33	
23	28	H	78	TS	17.60	00.00	720	1H	5	8.17	33	
19	29	H	59	TS	00.80	00.00	720	1H	5	0.86	33	
23	29	H	77	TS	19.20	00.00	720	1H	5	7.38	33	
24	32	H	84	TS	21.80	00.00	720	1H	5	6.89	33	
26	32	H	81	TS	00.40	00.00	720	1H	5	3.07	35	
12	33	H	48	TS	02.00	00.00	720	1H	5	3.15	33	

LISTING OF PLUGGABLES FOR PL B HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	33	H	62	TS	08.30	00.00	720	1H	1	0.73	33	
25	35	H	54	TS	00.00	00.00	720	1H	5	7.81	33	
31	35	H	49	TS	04.10	00.00	720	1H	1	1.31	33	
16	36	H	67	TS	01.50	00.00	720	1H	5	2.54	33	
21	36	H	89	TS	-11.20	-22.00	720	1H	5	0.61	33	
21	36	H	85	TS	-14.10	-22.00	720	1H	5	0.55	33	
24	36	H	70	TS	00.00	00.00	720	1H	5	2.38	35	
25	36	H	58	TS	00.00	00.00	720	1H	5	6.01	33	
43	36	H	65	6	00.00	00.00	720	UBH	5	1.78	33	
17	37	H	66	TS	01.90	00.00	720	1H	5	1.31	33	
21	37	H	79	TS	01.00	00.00	720	1H	5	1.34	33	
25	37	H	56	TS	00.30	00.00	720	1H	5	2.80	33	
32	37	H	76	TS	08.20	00.00	720	1H	5	3.49	33	
21	38	H	72	TS	00.80	00.00	720	1H	5	2.05	33	
29	38	H	69	TS	00.60	00.00	720	1H	5	1.20	33	
12	39	H	56	TS	00.30	00.00	720	1H	5	1.38	33	
19	39	H	74	TS	01.50	00.00	720	1H	5	1.32	33	
24	39	H	75	TS	00.00	00.00	720	1H	5	2.62	33	
25	39	H	80	TS	00.60	00.00	720	1H	5	2.30	33	
26	39	H	63	TS	00.70	00.00	720	1H	5	3.38	33	

LISTING OF PLUGGABLES FOR PL 8 HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
26	39	H	55	TS	01.40	00.00	720	1H	5	2.07	33	
27	39	H	48	TS	00.00	00.00	720	1H	5	3.34	33	
29	39	H	60	TS	00.60	00.00	720	1H	5	2.30	33	
33	39	H	80	TS	06.90	00.00	720	1H	5	5.10	33	
12	40	H	59	TS	00.30	00.00	720	1H	5	2.82	33	
35	40	H	86	TS	01.60	00.00	720	1H	5	7.31	33	
26	41	H	84	TS	00.00	00.00	720	1H	5	2.80	33	
27	41	H	57	TS	00.00	00.00	720	1H	5	7.75	33	
28	41	H	62	TS	00.00	00.00	720	1H	5	2.03	33	
32	41	H	62	TS	11.60	00.00	720	1H	1	1.53	33	
20	42	H	49	TS	01.00	00.00	720	1H	5	1.69	33	
22	42	H	73	TS	00.50	00.00	720	1H	5	2.31	33	
26	42	H	83	TS	00.20	00.00	720	1H	5	4.79	33	
28	42	H	53	TS	00.00	00.00	720	1H	5	5.68	33	
29	42	H	63	TS	00.00	00.00	720	1H	5	7.36	33	
18	43	H	83	TS	-07.00	-22.00	720	1H	5	0.92	33	
27	43	H	62	TS	00.00	00.00	720	1H	5	10.75	33	
8	44	H	65	TS	00.00	00.00	700	UBH	5	7.97	27	
12	44	H	67	TS	-16.60	-22.00	720	1H	5	0.45	33	

LISTING OF PLUGGABLES FOR PL B HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	44	H	57	TS	09.10	00.00	720	1H	5	0.87	33	
36	44	H	83	TS	04.60	00.00	720	1H	5	4.56	33	
28	45	H	57	TS	00.00	00.00	720	1H	5	6.72	33	
29	45	H	50	TS	20.60	00.00	720	1H	5	1.53	33	
28	46	H	57	TS	00.00	00.00	720	1H	5	6.40	33	
33	46	H	69	TS	10.20	00.00	720	1H	1	1.03	33	
28	47	H	66	TS	00.00	00.00	720	1H	5	5.81	33	
29	47	H	58	TS	00.00	00.00	720	1H	5	6.01	33	
29	48	H	73	TS	00.00	00.00	720	1H	5	2.21	33	
36	48	H	81	TS	06.60	00.00	720	1H	1	5.90	33	
6	49	H	70	TS	00.00	00.00	720	1H	5	5.52	35	
16	49	H	84	TS	00.20	00.00	720	1H	5	2.54	33	
37	49	H	61	TS	08.90	00.00	720	1H	1	1.39	33	
41	49	H	77	TS	-14.60	-22.00	720	1H	5	1.68	35	
22	50	H	81	TS	-10.10	-22.00	720	1H	1	2.27	33	
29	50	H	63	TS	00.00	00.00	720	1H	5	6.19	33	
36	50	H	65	TS	05.80	00.00	720	UBH	1	5.61	18	
36	50	H	80	TS	06.40	00.00	720	1H	1	3.70	33	
41	50	H	49	TS	00.00	00.00	720	1H	5	2.44	33	
25	51	H	78	TS	00.00	00.00	720	1H	5	3.87	33	

LISTING OF PLUGGABLES FOR PL 8 HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	51	H	65	TS	00.60	00.00	720	1H	5	0.88	33	
28	51	H	64	TS	00.00	00.00	720	1H	5	13.52	33	
36	51	H	55	TS	05.90	00.00	720	1H	1	1.25	33	
36	51	H	56	TS	06.80	00.00	720	1H	1	1.07	33	
36	51	H	80	TS	09.30	00.00	720	1H	1	7.11	33	
37	51	H	66	TS	06.80	00.00	720	1H	1	2.12	33	
37	51	H	91	TS	07.20	00.00	720	1H	1	4.35	33	
37	51	H	74	TS	08.50	00.00	720	1H	1	8.51	33	
38	51	H	65	TS	06.90	00.00	720	1H	1	2.36	33	
38	51	H	69	TS	07.60	00.00	720	1H	1	5.72	33	
12	52	H	51	TS	00.60	00.00	720	1H	5	1.64	33	
25	52	H	72	TS	-14.40	-22.00	720	1H	5	0.92	35	
26	52	H	50	TS	00.00	00.00	720	1H	5	2.43	33	
34	52	H	83	TS	13.20	00.00	720	UBH	5	7.31	33	
40	52	H	55	TS	01.10	00.00	720	1H	1	2.35	33	
34	53	H	90	TS	12.20	00.00	720	1H	5	3.42	33	
39	53	H	84	TS	04.20	00.00	720	1H	5	14.51	33	
16	54	H	48	TS	02.40	00.00	720	1H	1	1.62	33	
20	54	H	75	TS	00.00	00.00	720	1H	5	2.17	33	
25	54	H	50	TS	00.00	00.00	720	1H	5	4.95	33	
31	54	H	50	V3	00.00	00.00	720	UBH	5	6.65	33	
36	54	H	68	TS	05.30	00.00	720	UBH	1	3.96	19	

LISTING OF PLUGGABLES FOR PL 8 HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
36	54	H	74	TS	07.60	00.00	720	1H	1	4.00	19	
36	55	H	81	TS	04.20	00.00	720	1H	1	8.84	33	
36	55	H	76	TS	05.40	00.00	720	1H	1	6.70	33	
36	55	H	68	TS	07.80	00.00	720	1H	1	3.36	33	
34	56	H	65	TS	03.90	00.00	720	UBH	1	3.46	33	
18	57	H	72	TS	00.00	00.00	720	1H	5	1.92	35	
19	57	H	51	TS	00.00	00.00	720	1H	5	2.55	35	
26	59	H	59	TS	17.10	00.00	720	1H	1	3.06	33	
31	59	H	72	TS	05.20	00.00	720	1H	1	5.81	33	
23	60	H	55	TS	00.00	00.00	720	1H	5	3.58	33	
26	60	H	76	TS	14.20	00.00	720	1H	1	9.47	33	
29	60	H	55	TS	08.20	00.00	720	1H	5	2.95	33	
17	61	H	77	TS	23.00	00.00	720	1H	1	7.63	33	
22	61	H	57	TS	00.00	00.00	720	1H	5	6.14	33	
24	61	H	51	TS	00.00	00.00	720	1H	5	8.86	33	
40	61	H	97	TS	-20.70	-22.00	720	1H	5	15.93	33	
20	63	H	50	TS	00.00	00.00	720	1H	5	3.83	33	
26	64	H	72	TS	08.10	00.00	720	2H	1	5.79	33	
29	64	H	81	TS	00.00	00.00	720	1H	5	2.02	33	
18	65	H	50	TS	00.00	00.00	720	1H	5	6.45	33	

LISTING OF PLUGGABLES FOR PL B HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
20	65	H	49	TS	00.00	00.00	720	1H	5	6.84	33	
26	65	H	69	TS	05.20	00.00	720	1H	1	5.30	33	
14	66	H	62	TS	00.00	00.00	720	1H	5	2.98	33	
18	66	H	55	TS	00.00	00.00	720	1H	5	4.47	33	
19	66	H	70	TS	00.00	00.00	720	1H	5	3.71	33	
28	66	H	57	TS	02.80	00.00	720	1H	5	1.41	35	
26	67	H	56	TS	03.20	00.00	720	1H	1	5.36	33	
26	69	H	74	TS	00.50	00.00	720	1H	1	3.86	33	
26	69	H	83	TS	00.70	00.00	720	1H	1	7.97	33	
8	70	H	54	TS	00.00	00.00	720	1H	5	4.24	35	
13	70	H	79	TS	00.00	00.00	720	1H	5	1.53	35	
7	71	H	55	TS	00.00	00.00	720	1H	5	6.66	35	
23	72	H	74	TS	02.70	00.00	720	1H	1	7.75	33	
12	77	H	86	TS	-16.60	-22.00	720	1H	5	1.21	33	
2	87	H	69	TS	-16.60	-22.00	720	1H	1	0.44	35	

LISTING OF PLUGGABLES FOR PL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	5	C	60	6	05.10	00.00	720	3H	5	0.86	10	
8	11	C	55	TS	00.00	00.00	720	1H	5	2.36	32	
11	12	C	72	TS	00.00	00.00	720	1H	5	3.28	10	
15	12	C	64	TS	00.00	00.00	720	1H	5	2.42	10	
14	13	C	49	TS	00.00	00.00	720	1H	5	6.32	10	
30	13	C	51	4	00.00	00.00	720	6H	5	13.08	10	
30	13	C	58	5	00.00	00.00	720	6H	5	11.65	10	
15	14	C	55	TS	00.00	00.00	720	1H	5	6.97	10	
6	15	C	49	TS	03.90	00.00	720	1H	1	2.19	10	
7	15	C	53	TS	07.50	00.00	720	1H	1	0.94	10	
33	15	C	55	3	00.00	00.00	720	6H	5	12.63	10	
10	16	C	59	TS	00.90	00.00	720	1H	5	3.71	10	
6	17	C	78	TS	06.40	00.00	720	6H	5	1.74	32	
7	17	C	49	TS	05.90	00.00	720	1H	1	5.28	10	
14	17	C	58	TS	00.00	00.00	720	1H	5	9.17	36	
9	19	C	49	TS	01.70	00.00	720	1H	1	2.25	10	
21	21	C	70	TS	00.00	00.00	720	1H	5	5.27	10	
3	22	C	54	TS	02.40	00.00	720	1H	1	3.15	10	
25	22	C	69	TS	00.00	00.00	720	1H	5	2.44	10	

LISTING OF PLUGGABLES FOR PL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	23	C	95	TS	05.90	00.00	720	1H	5	5.17	10	
8	24	C	59	TS	08.70	00.00	720	1H	1	1.44	10	
43	32	C	66	1	00.00	00.00	720	6H	5	4.34	32	
4	33	C	94	TS	03.50	00.00	720	1H	5	2.30	32	
5	33	C	62	TS	02.30	00.00	720	1H	5	3.08	32	
16	33	C	77	TS	12.10	00.00	720	2H	5	0.92	36	
37	34	C	55	TS	00.40	00.00	720	1H	5	2.01	32	
31	35	C	65	TS	00.00	00.00	720	1H	5	3.18	32	
37	35	C	60	TS	00.00	00.00	720	1H	5	2.04	32	
43	35	C	51	1	00.00	00.00	720	2H	5	3.74	32	
44	35	C	81	1	00.00	00.00	720	4H	5	4.56	32	
6	37	C	72	TS	06.50	00.00	720	6H	5	1.39	32	
37	37	C	51	TS	00.00	00.00	720	1H	5	2.75	32	
33	38	C	99	TS	00.00	00.00	720	1H	5	3.12	32	
3	47	C	78	TS	08.30	00.00	720	1H	5	2.35	36	
20	47	C	50	TS	10.30	00.00	720	1H	1	6.54	6	
6	51	C	75	TS	08.10	00.00	720	1H	5	3.87	32	
1	52	C	72	TS	00.30	00.00	720	1H	5	2.39	32	
2	52	C	54	TS	00.20	00.00	720	1H	5	1.27	32	

LISTING OF PLUGGABLES FOR PL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	53	C	56	TS	00.60	00.00	720	1H	5	2.44	32	
1	54	C	50	TS	00.00	00.00	720	1H	5	2.41	32	
6	54	C	83	TS	07.30	00.00	720	1H	5	1.50	32	
12	54	C	83	TS	17.10	00.00	720	1H	5	2.41	32	
5	55	C	55	TS	06.10	00.00	720	1H	5	1.42	32	
12	55	C	50	TS	16.70	00.00	720	1H	5	1.99	32	
8	56	C	48	TS	08.30	00.00	720	2H	5	2.34	32	
10	56	C	72	TS	14.90	00.00	720	1H	5	3.52	32	
1	58	C	54	TS	00.00	00.00	720	1H	5	1.92	32	
4	58	C	78	TS	02.10	00.00	720	1H	5	1.71	32	
9	58	C	64	TS	16.70	00.00	720	1H	5	2.52	32	
23	58	C	50	TS	12.60	00.00	720	1H	5	6.80	32	
11	60	C	49	TS	07.60	00.00	720	1H	5	6.76	32	
1	61	C	61	TS	00.00	00.00	720	1H	5	2.08	32	
1	62	C	52	TS	00.00	00.00	720	1H	5	2.81	32	
9	62	C	59	TS	12.80	00.00	720	1H	5	1.48	32	
10	62	C	57	TS	08.50	00.00	720	1H	5	2.15	32	
1	63	C	50	TS	00.00	00.00	720	1H	5	1.91	32	
4	63	C	56	TS	02.10	00.00	720	1H	5	4.98	32	

LISTING OF PLUGGABLES FOR PL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
5	64	C	75	TS	08.40	00.00	720	1H	5	2.32	32	
7	64	C	84	TS	08.50	00.00	720	1H	1	2.25	32	
11	64	C	53	TS	10.70	00.00	720	2H	5	2.24	32	
1	65	C	64	TS	00.00	00.00	720	1H	5	2.01	32	
7	65	C	77	TS	12.50	00.00	720	1H	5	1.87	32	
7	66	C	59	TS	06.10	12.80	720	1H	5	1.88	32	
11	66	C	58	TS	10.30	00.00	720	2H	5	5.21	36	
12	66	C	64	TS	07.60	14.60	720	1H	1	1.15	32	
7	67	C	64	TS	06.30	14.20	720	1H	1	0.98	32	
14	67	C	50	TS	09.30	00.00	720	1H	1	2.50	32	
14	67	C	49	TS	10.60	00.00	720	1H	1	2.56	32	
9	68	C	53	TS	09.30	00.00	720	1H	1	0.98	36	
7	69	C	56	TS	07.70	00.00	720	1H	1	1.51	32	
9	69	C	62	TS	11.70	00.00	720	1H	1	1.49	32	
9	70	C	62	TS	08.40	00.00	720	1H	5	2.47	32	
19	70	C	60	TS	03.00	00.00	720	1H	1	1.14	32	
6	71	C	53	TS	02.60	00.00	720	1H	5	1.77	32	
7	71	C	66	TS	02.70	00.00	720	1H	5	1.62	32	
9	71	C	54	TS	07.50	00.00	720	1H	5	5.25	32	
27	71	C	50	TS	00.30	00.00	720	1H	5	5.93	32	

LISTING OF PLUGGABLES FOR PL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	71	C	53	TS	00.00	00.00	720	1H	5	2.50	32	
1	72	C	62	TS	00.00	00.00	720	1H	5	3.19	32	
27	72	C	59	TS	00.60	00.00	720	1H	5	2.93	32	
28	72	C	48	TS	00.00	00.00	720	1H	5	2.00	32	
1	73	C	60	TS	00.00	00.00	720	1H	5	2.89	32	
2	73	C	67	TS	00.00	00.00	720	1H	5	3.82	32	
18	73	C	48	TS	03.20	00.00	720	1H	5	1.51	36	
5	74	C	67	TS	01.60	00.00	720	1H	5	5.31	32	
6	74	C	66	TS	02.60	00.00	720	1H	5	5.65	32	
23	74	C	50	TS	00.00	00.00	720	1H	5	5.69	32	
24	74	C	52	TS	00.00	00.00	720	1H	5	2.70	32	
2	75	C	54	TS	00.00	00.00	720	1H	5	3.85	32	
5	75	C	55	TS	01.30	00.00	720	1H	5	6.28	32	
21	75	C	56	TS	00.00	00.00	720	1H	5	10.22	32	
22	75	C	54	TS	00.00	00.00	720	1H	5	12.58	32	
15	76	C	62	TS	00.00	00.00	720	1H	5	9.15	32	
3	78	C	57	TS	00.00	00.00	720	1H	5	3.58	32	
4	78	C	50	TS	00.00	00.00	720	1H	5	5.21	32	
4	78	C	52	TS	02.30	00.00	720	1H	5	2.65	32	
7	78	C	54	TS	00.00	00.00	720	1H	5	4.30	32	

LISTING OF PLUGGABLES FOR PL 8 COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	78	C	49	TS	00.00	00.00	720	1H	5	4.82	32	
8	78	C	49	TS	03.80	00.00	720	1H	5	2.61	32	
11	79	C	65	TS	00.00	00.00	720	1H	5	2.74	32	
9	80	C	55	TS	00.00	00.00	720	1H	5	2.80	32	
3	81	C	52	TS	00.00	00.00	720	1H	5	2.64	32	
6	81	C	66	TS	00.00	00.00	720	6H	5	2.32	32	

LISTING OF PLUGGABLES FOR PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	18	H	54	TS	04.40	00.00	720	1H	5	0.59	40	
9	20	H	52	TS	00.00	00.00	720	UBH	5	2.10	40	
7	23	H	48	TS	00.90	00.00	720	1H	1	1.59	39	
8	23	H	61	TS	00.70	00.00	720	1H	5	1.68	39	
4	24	H	62	TS	00.00	00.00	700	UBH	5	1.16	31	
16	25	H	71	TS	00.00	00.00	720	UBH	5	5.04	40	
4	26	H	68	TS	00.00	00.00	720	1H	5	1.31	39	
8	26	H	49	TS	00.60	00.00	720	1H	5	1.63	39	
19	26	H	73	TS	00.00	00.00	720	1H	5	2.13	39	
22	26	H	96	TS	-13.70	-22.00	720	1H	5	1.08	39	
22	26	H	95	TS	-18.10	-22.00	720	1H	5	0.62	39	
26	26	H	91	TS	-10.90	-22.00	720	1H	5	1.01	39	
15	27	H	98	TS	-15.50	-22.00	720	1H	5	2.35	39	
18	27	H	99	TS	-08.90	-22.00	720	1H	5	0.59	39	
20	27	H	79	TS	00.00	00.00	720	1H	5	2.04	39	
26	28	H	52	TS	00.00	00.00	720	1H	5	1.87	39	
19	29	H	55	TS	00.30	00.00	720	1H	5	1.48	40	
21	29	H	52	TS	00.00	00.00	720	1H	5	0.85	40	
26	29	H	65	TS	00.00	00.00	720	1H	5	2.06	39	

LISTING OF PLUGGABLES FOR PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS ----
32	30	H	60	TS	00.00	00.00	720	1H	5	1.90	39	
2	31	H	98	TS	-11.30	-22.00	720	1H	1	1.03	39	
18	34	H	81	TS	01.50	00.00	720	1H	1	0.54	39	
26	34	H	49	TS	00.00	00.00	720	1H	5	3.85	40	
30	34	H	74	TS	12.60	00.00	720	1H	1	4.46	39	
31	34	H	68	TS	09.90	00.00	720	1H	1	0.57	39	
6	35	H	56	TS	00.30	00.00	720	1H	5	3.02	39	
6	35	H	78	TS	09.90	00.00	720	1H	5	1.08	39	
6	35	H	78	TS	-12.10	-22.00	700	UBH	5	1.08	31	
6	36	H	55	TS	00.00	00.00	720	1H	5	2.93	39	
16	36	H	52	TS	02.20	00.00	720	1H	1	0.77	39	
20	36	H	48	TS	03.50	00.00	720	1H	1	1.67	39	
23	36	H	SQRL	TS	-05.40	-22.00	720	1H	5	0.49	39	
24	37	H	57	TS	00.00	00.00	720	1H	5	1.73	39	
38	38	H	53	TS	01.60	00.00	720	1H	5	0.99	39	
38	40	H	50	TS	00.70	00.00	720	1H	5	4.45	39	
32	41	H	73	TS	08.30	00.00	720	1H	5	10.43	39	
31	42	H	48	TS	00.00	00.00	720	1H	5	2.73	39	
15	44	H	95	TS	-04.20	-22.00	720	1H	5	0.11	39	
19	44	H	95	TS	00.30	00.00	720	1H	5	3.93	39	

LISTING OF PLUGGABLES FOR PL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
35	45	H	87	TS	06.70	00.00	720	1H	5	7.77	39	
35	45	H	68	TS	08.50	00.00	720	1H	5	1.69	39	
35	46	H	50	TS	07.70	00.00	720	1H	1	1.69	39	
36	46	H	80	TS	06.70	00.00	720	1H	1	6.13	39	
16	47	H	84	TS	22.20	00.00	720	1H	1	8.68	39	
34	47	H	66	TS	11.40	00.00	720	1H	1	3.71	39	
35	47	H	52	TS	06.70	00.00	720	1H	1	2.37	39	
7	48	H	49	TS	00.50	00.00	720	1H	5	1.50	39	
12	49	H	71	TS	00.60	00.00	720	1H	1	3.93	39	
33	49	H	93	I	00.00	00.00	720	1H	1	3.59	39	
36	49	H	74	TS	05.50	00.00	720	1H	1	4.07	39	
36	50	H	70	TS	06.70	00.00	720	1H	1	4.99	39	
36	50	H	49	TS	08.30	00.00	720	1H	1	4.72	39	
13	51	H	48	TS	11.30	00.00	720	1H	1	1.10	39	
10	52	H	72	TS	00.30	00.00	720	1H	5	1.95	39	
13	52	H	79	TS	00.00	00.00	720	1H	5	2.10	39	
18	52	H	89	TS	00.60	00.00	720	1H	5	1.14	39	
32	52	H	60	TS	15.10	00.00	720	1H	1	2.41	39	
7	53	H	SQRL	TS	-09.70	-22.00	720	2H	5	0.50	39	
9	53	H	58	TS	01.30	00.00	720	2H	1	1.72	39	

LISTING OF PLUGGABLES FOR SPL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	53	H	54	TS	00.00	00.00	720	2H	5	3.09	39	
20	53	H	96	TS	00.00	00.00	720	2H	5	3.55	39	
29	53	H	86	TS	00.00	00.00	720	2H	5	3.73	39	
36	55	H	60	TS	02.20	00.00	720	2H	1	6.80	39	
38	57	H	53	TS	01.50	00.00	720	2H	1	4.08	39	
19	58	H	54	TS	00.00	00.00	720	2H	5	2.80	39	
14	59	H	56	TS	00.00	00.00	720	2H	5	8.80	39	
20	59	H	62	TS	00.00	00.00	720	2H	5	3.81	39	
13	60	H	49	TS	00.00	00.00	720	2H	5	2.50	39	
14	60	H	65	TS	00.00	00.00	720	2H	5	3.03	39	
30	63	H	52	TS	04.90	00.00	720	2H	1	1.24	39	
11	64	H	48	TS	00.00	00.00	720	2H	5	2.71	39	
24	64	H	74	TS	11.50	00.00	720	2H	1	5.19	39	
10	65	H	64	TS	00.00	00.00	720	2H	5	4.79	39	
11	65	H	62	TS	00.00	00.00	720	2H	5	2.31	39	
14	66	H	55	TS	00.00	00.00	720	2H	5	2.39	39	
17	66	H	71	TS	00.00	00.00	720	2H	5	4.27	39	
11	67	H	57	TS	00.00	00.00	720	2H	5	3.01	39	
6	68	H	58	TS	00.00	00.00	700	1H	5	2.92	42	

LISTING OF PLUGGABLES FOR PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
9	69	H	48	TS	00.00	00.00	720	2H	5	2.38	39	
10	69	H	67	TS	00.00	00.00	720	2H	5	2.70	39	
12	69	H	49	TS	00.00	00.00	720	2H	5	3.73	39	
8	70	H	96	TS	00.00	00.00	720	1H	5	1.96	40	
9	70	H	65	TS	00.30	00.00	720	2H	5	1.63	39	
9	71	H	75	TS	00.00	00.00	720	2H	5	2.07	39	
9	75	H	48	TS	00.50	00.00	720	TSH	5	2.80	41	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	3	C	63	1	00.00	00.00	720	2H	5	3.06	12	
10	4	C	55	1	01.00	00.00	720	3H	5	3.20	12	
30	12	C	52	2	00.00	00.00	720	5H	5	4.01	12	
34	16	C	52	1	00.00	00.00	720	2H	5	2.11	38	
12	17	C	50	TS	00.70	00.00	720	1H	1	3.01	38	
7	22	C	97	TS	07.70	00.00	720	1H	5	5.12	38	
12	22	C	52	TS	00.00	12.00	720	1H	1	2.22	38	
8	23	C	76	TS	03.60	08.10	720	1H	5	7.74	38	
16	23	C	49	TS	00.60	09.70	720	1H	1	5.19	38	
17	23	C	64	TS	01.20	06.40	720	1H	1	1.82	38	
20	23	C	64	TS	00.40	00.00	720	1H	5	3.48	38	
4	24	C	75	TS	02.20	09.20	720	1H	1	0.88	38	
11	24	C	66	TS	00.90	11.30	720	1H	5	2.96	38	
12	24	C	52	TS	01.60	11.30	720	1H	1	2.23	38	
13	24	C	55	TS	04.30	11.40	720	1H	1	1.21	38	
2	25	C	61	TS	00.60	02.50	720	6H	1	2.53	38	
7	25	C	49	TS	06.30	00.00	720	1H	5	1.02	38	
13	25	C	92	TS	10.40	00.00	720	1H	5	1.24	38	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	25	C	53	TS	07.10	00.00	720	1H	5	1.82	38	
20	25	C	81	TS	01.50	00.00	720	1H	5	1.04	38	
4	26	C	67	TS	03.00	00.00	720	1H	1	1.31	38	
8	26	C	93	TS	08.00	11.00	720	1H	1	1.89	38	
10	26	C	54	TS	08.00	11.00	720	1H	1	2.09	38	
21	26	C	48	TS	01.70	00.00	720	TSH	1	3.09	38	
23	26	C	49	TS	01.80	00.00	720	TSH	1	1.20	38	
7	27	C	48	TS	11.00	00.00	720	1H	1	1.05	38	
10	27	C	55	TS	09.00	13.00	720	1H	1	2.03	38	
4	28	C	50	TS	05.40	00.00	720	1H	5	1.59	38	
6	28	C	54	TS	07.40	00.00	720	1H	1	1.49	38	
7	28	C	51	TS	09.00	00.00	720	1H	1	0.94	38	
8	28	C	86	TS	09.50	00.00	720	1H	1	0.82	38	
11	28	C	51	TS	10.30	00.00	720	1H	1	4.20	38	
19	28	C	69	TS	05.20	11.00	720	1H	1	1.83	38	
22	28	C	49	TS	03.00	05.20	720	1H	1	0.91	38	
3	29	C	48	TS	00.80	00.00	720	1H	5	2.16	38	
4	29	C	70	TS	02.30	00.00	720	1H	5	2.85	38	
7	29	C	65	TS	08.50	00.00	720	1H	5	1.93	38	

LISTING OF PLUGGABLES FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	29	C	54	TS	11.00	00.00	720	1H	1	2.50	38	
13	29	C	50	TS	11.20	00.00	720	1H	5	2.11	38	
12	30	C	51	TS	11.90	00.00	720	1H	5	2.91	38	
4	32	C	67	TS	02.00	00.00	720	1H	5	1.91	38	
10	32	C	53	TS	07.90	00.00	720	1H	5	2.91	38	
32	32	C	55	TS	00.00	00.00	720	1H	5	4.20	38	
43	36	C	49	1	00.70	00.00	720	2H	5	9.42	38	
44	36	C	55	1	00.70	00.00	720	2H	1	6.38	38	
44	37	C	58	1	01.00	00.00	720	2H	5	4.86	38	
44	38	C	50	1	01.00	00.00	720	2H	5	2.59	38	
4	39	C	55	TS	03.10	00.00	720	1H	5	0.73	38	
26	39	C	51	TS	04.70	09.50	720	1H	1	1.56	38	
34	40	C	52	TS	00.00	00.00	720	1H	5	4.51	38	
41	40	C	67	2	00.00	00.00	720	3H	5	0.91	38	
32	41	C	56	TS	02.40	00.00	720	1H	5	1.52	38	
34	41	C	62	TS	00.00	00.00	720	1H	5	3.36	38	
35	41	C	66	TS	00.00	00.00	720	1H	5	4.09	38	
2	43	C	55	TS	03.00	00.00	720	1H	5	3.48	38	
12	43	C	93	TS	08.90	00.00	720	1H	5	2.22	38	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	43	C	80	TS	00.00	00.00	720	1H	5	4.56	38	
35	43	C	61	TS	00.00	00.00	720	1H	5	3.95	38	
7	44	C	98	TS	09.10	00.00	720	1H	5	3.00	38	
24	44	C	50	TS	00.00	00.00	720	1H	5	4.09	38	
31	44	C	52	TS	02.60	00.00	720	1H	5	1.46	38	
34	44	C	90	TS	00.00	00.00	720	1H	5	2.88	38	
35	44	C	80	TS	00.00	00.00	720	1H	5	5.03	38	
12	45	C	53	TS	10.40	00.00	720	1H	1	1.81	38	
18	45	C	51	TS	08.50	00.00	720	1H	1	3.86	38	
33	45	C	55	TS	00.00	00.00	720	1H	5	2.90	38	
33	46	C	68	TS	00.00	00.00	720	1H	5	2.96	38	
12	47	C	64	TS	10.10	00.00	720	1H	5	3.42	38	
32	47	C	61	TS	00.00	00.00	720	1H	5	1.42	38	
44	47	C	61	I	00.00	00.00	720	2H	5	4.78	41	
12	48	C	68	TS	00.50	10.30	720	1H	5	1.23	38	
2	49	C	74	TS	00.00	01.80	720	1H	5	2.26	38	
2	50	C	71	TS	00.00	00.00	720	1H	5	1.99	38	
9	50	C	57	TS	09.30	00.00	720	1H	5	1.88	38	
11	50	C	52	TS	10.70	00.00	720	2H	5	2.28	38	

LISTING OF PLUGGABLES FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	51	C	59	TS	00.00	00.00	720	2H	5	2.59	38	
11	51	C	54	TS	10.40	00.00	720	1H	5	4.28	38	
25	51	C	48	TS	05.50	00.00	720	1H	5	4.30	38	
27	51	C	48	TS	05.20	00.00	720	1H	5	1.88	38	
34	51	C	51	TS	00.00	00.00	720	2H	5	3.55	38	
45	51	C	53	1	00.00	00.00	720	4H	5	4.96	38	
2	52	C	60	TS	00.00	00.00	720	2H	5	5.69	38	
2	52	C	48	TS	02.00	00.00	720	2H	5	1.68	38	
6	52	C	70	TS	04.30	00.00	720	2H	5	1.12	38	
7	52	C	54	TS	05.80	00.00	720	2H	5	2.04	38	
26	52	C	54	TS	05.50	00.00	720	1H	5	3.81	38	
2	53	C	68	TS	00.00	00.00	720	1H	5	1.71	38	
9	53	C	57	TS	12.60	00.00	720	1H	5	1.56	41	
12	53	C	48	TS	11.30	00.00	720	2H	5	1.52	38	
27	54	C	48	TS	05.10	00.00	720	1H	1	2.50	38	
15	55	C	54	TS	09.80	00.00	720	1H	1	1.51	38	
34	55	C	59	TS	00.20	00.00	720	1H	5	7.28	41	
43	55	C	63	3	00.00	00.00	720	3H	5	2.23	38	
13	56	C	53	TS	07.40	00.00	720	1H	1	0.87	38	
17	56	C	50	TS	08.30	00.00	720	1H	1	2.88	38	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
17	56	C	56	TS	09.50	00.00	720	1H	1	3.04	38	
26	56	C	59	TS	05.50	00.00	720	2H	1	3.15	38	
27	56	C	54	TS	04.50	00.00	720	1H	1	2.81	38	
7	57	C	54	TS	07.60	00.00	720	1H	1	1.45	38	
16	57	C	48	TS	09.20	00.00	720	1H	1	2.44	38	
26	57	C	51	TS	04.30	00.00	720	1H	1	1.45	38	
32	57	C	58	TS	00.20	00.00	720	1H	5	4.00	41	
42	57	C	69	2	00.40	00.00	720	3H	5	1.53	41	
43	57	C	48	1	00.00	00.00	720	6H	5	6.88	38	
43	57	C	49	4	00.00	00.00	720	6H	5	5.84	38	
44	57	C	64	2	00.00	00.00	720	6H	5	3.84	38	
44	57	C	51	3	00.00	00.00	720	6H	5	3.03	38	
44	57	C	48	4	00.00	00.00	720	6H	5	5.41	38	
2	58	C	71	TS	00.30	00.00	720	1H	5	2.00	41	
43	58	C	48	1	00.00	00.00	720	3H	5	4.22	38	
43	60	C	50	1	00.80	00.00	720	4H	5	4.20	38	
26	61	C	48	TS	03.40	00.00	720	1H	1	2.40	38	
43	61	C	52	2	00.00	00.00	720	3H	5	2.70	41	
9	62	C	57	TS	08.30	00.00	720	1H	5	3.02	38	
9	62	C	51	TS	08.50	00.00	720	1H	1	1.57	38	
15	62	C	61	TS	11.80	00.00	720	1H	1	1.34	43	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	62	C	59	TS	12.50	00.00	720	1H	5	1.57	9	
9	63	C	53	TS	11.10	00.00	720	2H	1	2.00	38	
10	63	C	67	TS	09.50	00.00	720	2H	5	2.10	38	
13	63	C	50	TS	08.60	00.00	720	1H	1	5.70	38	
8	64	C	48	TS	15.40	00.00	720	1H	1	1.56	38	
15	64	C	48	TS	11.30	00.00	720	1H	1	1.69	38	
16	64	C	60	TS	12.80	00.00	720	2H	1	3.20	38	
17	64	C	48	TS	11.60	00.00	720	1H	1	5.64	38	
18	64	C	53	TS	11.00	00.00	720	1H	1	2.83	38	
4	65	C	52	TS	03.60	00.00	720	1H	1	1.35	38	
7	65	C	87	TS	08.10	00.00	720	1H	1	1.35	38	
9	65	C	49	TS	09.40	00.00	720	1H	5	1.15	41	
13	65	C	48	TS	11.10	00.00	720	1H	1	1.59	38	
15	65	C	49	TS	12.20	00.00	720	1H	1	3.94	38	
2	66	C	54	TS	00.00	00.00	720	1H	5	4.22	38	
5	66	C	56	TS	05.30	00.00	720	1H	1	1.23	38	
16	66	C	62	TS	06.10	14.70	720	1H	1	1.87	38	
17	66	C	52	TS	06.80	14.00	720	1H	5	0.86	38	
18	66	C	48	TS	05.60	10.80	720	1H	1	1.61	38	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
27	66	C	59	TS	00.40	00.00	720	2H	5	4.52	38	
28	66	C	50	TS	00.30	00.00	720	1H	5	4.79	38	
31	66	C	63	TS	00.00	00.00	720	1H	5	2.26	38	
17	67	C	53	TS	06.00	11.30	720	1H	1	1.36	38	
25	67	C	70	TS	01.10	00.00	720	1H	1	1.65	38	
27	67	C	53	TS	00.00	00.00	720	1H	5	3.47	38	
28	67	C	62	TS	00.00	00.00	720	1H	5	3.48	38	
6	68	C	50	TS	04.40	08.30	720	1H	1	1.64	38	
17	68	C	48	TS	04.10	10.10	720	2H	1	1.64	38	
25	68	C	77	TS	00.00	00.00	720	1H	5	3.60	38	
25	68	C	57	TS	00.70	02.10	720	1H	5	1.11	38	
28	68	C	61	TS	00.00	00.00	720	1H	5	2.87	38	
10	70	C	89	TS	08.40	00.00	720	1H	5	2.73	38	
13	70	C	52	TS	06.80	00.00	720	1H	1	0.81	38	
14	70	C	50	TS	06.50	00.00	720	1H	1	4.08	38	
4	71	C	49	TS	07.30	00.00	720	1H	1	1.35	38	
8	71	C	75	TS	07.30	00.00	720	1H	5	2.42	38	
14	71	C	59	TS	07.20	00.00	720	1H	5	0.64	38	
16	71	C	67	TS	01.40	00.00	720	1H	5	0.82	38	
16	71	C	55	TS	02.90	00.00	720	2H	5	1.74	38	

LISTING OF PLUGGABLES FOR PL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	72	C	49	TS	02.20	00.00	720	2H	1	0.84	38	
19	73	C	65	TS	00.00	00.00	720	1H	5	7.87	38	
20	73	C	58	TS	00.00	00.00	720	1H	5	5.26	38	
17	74	C	51	TS	00.00	00.00	720	1H	5	4.61	38	
18	74	C	49	TS	00.00	00.00	720	1H	5	4.05	38	
19	74	C	62	TS	00.00	00.00	720	1H	5	5.12	38	
19	75	C	48	TS	00.00	00.00	720	1H	5	6.55	38	
2	76	C	53	TS	02.30	00.00	720	1H	1	1.35	38	
14	76	C	51	TS	00.00	00.00	720	1H	5	4.46	38	
33	76	C	51	1	00.00	00.00	720	6H	5	6.04	41	
12	77	C	52	TS	00.00	00.00	720	1H	5	3.67	38	
13	77	C	48	TS	00.00	00.00	720	1H	5	3.15	38	
31	78	C	51	1	00.00	00.00	720	2H	5	8.86	38	
32	78	C	50	1	00.00	00.00	720	2H	5	6.88	38	
33	78	C	57	1	00.00	00.00	720	2H	5	10.32	38	
30	80	C	52	2	00.00	00.00	720	3H	5	5.44	38	
11	89	C	58	1	00.00	00.00	720	3H	5	3.52	38	
11	89	C	52	2	00.00	00.00	720	3H	5	3.25	38	
12	89	C	62	1	00.00	00.00	720	2H	5	4.62	38	
17	89	C	76	1	00.00	00.00	720	2H	5	4.94	38	

LISTING OF PLUGGABLES FOR SPL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	90	C	51	1	00.00	00.00	720	2H	5	3.21	38	
10	90	C	64	1	00.00	00.00	720	2H	5	5.34	38	
11	90	C	59	1	00.00	00.00	720	2H	5	2.22	38	
2	92	C	50	1	00.00	00.00	720	2H	5	2.15	38	

ATTACHMENT IX

Listings of All Indications

01/09

LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	8	H	32	6		17.40	00.00	720	UBH	5	2.39	19	
14	9	H	80	TS		-19.00	-22.00	720	TSH	5	0.47	47	
26	9	H	29	V4		00.00	00.00	720	UBH	5	1.75	19	
12	10	H	22	TS		01.30	00.00	720	UBH	1	2.16	19	
19	10	H	80	TS		-21.10	-22.00	720	TSH	5	0.42	47	
19	10	H	24	6		04.80	00.00	720	UBH	5	2.10	19	
21	10	H	<20	6		13.40	00.00	720	UBH	5	1.82	19	
23	10	H	<20	6		11.40	00.00	720	UBH	1	1.67	19	
23	10	H	44	6		18.00	00.00	720	UBH	5	1.62	19	
23	10	H	23	6		18.60	00.00	720	UBH	1	3.25	19	
24	10	H	23	6		11.80	00.00	720	UBH	5	1.70	19	
12	11	H	33	TS		03.40	00.00	720	UBH	1	2.61	18	
12	11	H	31	6		18.50	00.00	720	UBH	5	1.22	18	
17	11	H	<20	TS		00.80	00.00	720	UBH	1	0.83	18	
18	11	H	<20	6		11.70	00.00	720	UBH	1	1.38	18	
22	11	H	33	6		09.00	00.00	720	UBH	5	0.95	19	
26	11	H	25	6		16.50	00.00	720	UBH	1	2.94	19	
28	11	H	<20	V3		00.00	00.00	720	UBH	1	2.63	19	
12	12	H	<20	TS		04.50	00.00	720	UBH	1	1.08	18	
25	12	H	<20	6		14.60	00.00	720	UBH	1	1.29	18	
26	12	H	27	6		09.00	00.00	720	UBH	1	1.38	18	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	12	H	<20	V3		00.00	00.00	720	3C	5	0.89	27	
18	14	H	<20	6		04.90	00.00	720	UBH	1	1.82	18	
21	14	H	<20	6		06.30	00.00	720	UBH	1	3.95	18	
27	14	H	<20	V2		00.00	00.00	720	UBH	1	2.06	1	
29	14	H	<20	V2		00.00	00.00	720	UBH	1	2.57	1	
29	14	H	<20	V3		00.00	00.00	720	UBH	1	2.98	1	
8	15	H	53	TS		00.00	00.00	720	1H	5	3.51	42	
9	15	H	57	TS		00.00	00.00	720	1H	5	1.28	50	
16	15	H	<20	6		06.90	00.00	720	UBH	1	1.79	18	
21	15	H	<20	6		05.20	00.00	720	UBH	1	2.70	18	
25	15	H	<20	V3		00.00	00.00	720	UBH	1	2.82	18	
27	15	H	<20	V1		00.00	00.00	720	UBH	1	2.01	18	
29	15	H	37	6		12.40	00.00	720	UBH	1	1.98	18	
33	15	H	41	V3		00.00	00.00	720	UBH	1	2.30	1	
4	16	H	45	TS		00.00	00.00	700	UBH	5	1.44	20	
5	16	H	36	TS		00.00	00.00	700	UBH	5	1.35	20	
6	16	H	34	TS		00.00	00.00	700	UBH	5	1.44	20	
7	16	H	39	TS		00.00	00.00	700	UBH	5	3.80	20	
9	16	H	45	TS		00.00	00.00	700	UBH	5	3.15	20	
13	16	H	<20	TS		12.10	00.00	720	UBH	1	1.88	18	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	16	H	72	TS		04.60	00.00	720	1H	1	4.06	42	
25	16	H	<20	6		07.90	00.00	720	UBH	1	1.63	18	
28	16	H	22	TS		01.10	00.00	720	UBH	1	0.94	18	
30	16	H	28	6		04.80	00.00	720	UBH	1	1.75	1	
30	16	H	<20	6		08.40	00.00	720	UBH	1	1.92	1	
30	16	H	26	6		14.70	00.00	720	UBH	1	1.44	1	
6	17	H	22	TS		00.00	00.00	700	UBH	5	1.77	20	
22	17	H	24	TS		02.40	00.00	720	UBH	1	1.81	18	
23	17	H	<20	V1		00.00	00.00	720	UBH	1	1.67	18	
26	17	H	78	TS		03.70	00.00	720	6H	1	8.65	43	
31	17	H	<20	TS		00.50	00.00	720	UBH	1	1.29	1	
35	17	H	35	TS		00.70	00.00	720	UBH	1	3.22	1	
9	18	H	<20	6		19.00	00.00	700	UBH	5	1.25	20	
11	18	H	<20	TS		00.70	00.00	720	UBH	1	1.14	18	
14	18	H	<20	TS		01.00	00.00	720	UBH	1	1.98	18	
18	18	H	<20	TS		09.60	00.00	720	UBH	1	0.83	18	
4	19	H	<20	TS		01.90	00.00	700	UBH	1	2.99	20	
5	19	H	<20	TS		01.50	00.00	700	UBH	1	3.08	20	
7	19	H	25	TS		00.30	00.00	700	UBH	5	1.28	20	
7	19	H	26	TS		01.50	00.00	700	UBH	1	1.13	20	
13	19	H	<20	TS		16.30	00.00	720	UBH	1	0.86	1	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	19	H	29	TS		19.20	20.40	720	UBH	5	0.61	1	
22	19	H	<20	V2		00.00	00.00	720	UBH	1	3.17	1	
25	19	H	33	6		05.70	00.00	720	UBH	1	1.50	1	
25	19	H	45	V3		00.00	00.00	720	UBH	1	6.56	1	
3	20	H	60	TS		00.00	00.00	720	3H	5	3.30	39	
4	20	H	25	TS		01.40	00.00	700	UBH	5	1.44	20	
4	20	H	33	3		00.00	00.00	700	UBH	5	2.41	20	
5	20	H	<20	TS		01.50	00.00	700	UBH	1	1.54	21	
7	20	H	31	TS		01.10	00.00	700	UBH	1	1.16	21	
8	20	H	21	TS		00.80	00.00	700	UBH	1	2.23	21	
8	20	H	78	TS		-04.20	-22.00	720	1H	1	0.42	42	
9	20	H	32	TS		01.40	00.00	700	UBH	1	0.97	21	
10	20	H	20	TS		00.70	00.00	700	UBH	1	1.33	21	
11	20	H	<20	TS		00.80	00.00	700	UBH	1	1.43	21	
11	20	H	<20	TS		19.30	00.00	700	UBH	1	1.46	21	
12	20	H	23	TS		00.60	00.00	720	UBH	1	0.83	1	
21	20	H	58	TS		11.90	00.00	720	2H	1	1.45	39	
26	20	H	32	TS		06.90	00.00	720	UBH	1	1.43	1	
27	20	H	29	TS		06.40	00.00	720	UBH	1	0.92	1	
29	20	H	68	TS		05.10	00.00	720	1H	1	3.65	26	
31	20	H	<20	TS		03.90	00.00	720	UBH	1	1.28	1	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	20	H	<20	6		06.00	00.00	720	UBH	1	3.42	1	
35	20	H	32	TS		04.60	00.00	720	UBH	1	0.51	1	
4	21	H	<20	TS		00.60	00.00	700	UBH	5	1.32	21	
5	21	H	21	TS		01.50	00.00	700	UBH	5	0.94	21	
9	21	H	<20	TS		01.00	00.00	700	UBH	1	3.11	21	
12	21	H	64	TS		00.80	00.00	720	2H	5	1.56	39	
13	21	H	52	TS		00.40	00.00	720	2H	5	2.09	39	
14	21	H	60	TS		00.40	00.00	720	2H	5	1.87	39	
15	21	H	30	TS		00.30	00.00	720	UBH	5	1.02	1	
19	21	H	25	V1		00.00	00.00	720	UBH	1	1.51	1	
26	21	H	<20	V2		00.00	00.00	720	UBH	1	2.08	1	
29	21	H	<20	TS		05.30	00.00	720	UBH	1	1.05	1	
34	21	H	29	6		26.20	00.00	720	UBH	1	1.35	1	
3	22	H	<20	TS		06.70	00.00	700	UBH	1	1.38	22	
5	22	H	<20	TS		01.90	00.00	700	UBH	1	2.79	21	
6	22	H	33	TS		01.20	00.00	700	UBH	1	2.35	21	
10	22	H	<20	TS		01.50	00.00	700	UBH	1	1.62	21	
11	22	H	49	TS		00.90	00.00	720	2H	5	2.55	39	
12	22	H	<20	TS		02.10	00.00	720	UBH	1	3.81	1	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	22	H	42	TS		00.50	00.00	720	UBH	5	1.40	1	
14	22	H	29	TS		00.70	00.00	720	UBH	5	0.96	1	
15	22	H	33	TS		00.60	00.00	720	UBH	5	0.99	1	
16	22	H	41	TS		00.40	00.00	720	UBH	5	1.00	1	
17	22	H	37	TS		00.50	00.00	720	UBH	5	1.92	1	
18	22	H	54	TS		00.50	00.00	720	2H	5	1.14	39	
4	23	H	<20	TS		01.50	00.00	700	UBH	1	4.20	21	
5	23	H	21	TS		01.50	00.00	700	UBH	5	2.12	21	
8	23	H	<20	TS		01.20	00.00	700	UBH	1	2.03	21	
10	23	H	<20	TS		01.60	00.00	700	UBH	1	2.04	21	
11	23	H	25	TS		01.60	00.00	720	UBH	5	1.46	2	
12	23	H	34	TS		01.50	00.00	720	UBH	5	2.22	2	
13	23	H	28	TS		00.80	00.00	720	UBH	1	2.51	2	
14	23	H	<20	TS		01.20	00.00	720	UBH	5	0.93	2	
17	23	H	21	TS		00.60	00.00	720	UBH	5	2.02	2	
26	23	H	<20	TS		00.90	00.00	720	UBH	5	1.13	2	
33	23	H	21	TS		01.40	00.00	720	UBH	1	1.50	2	
38	23	H	<20	V4		00.00	00.00	720	UBH	5	0.93	2	
5	24	H	<20	TS		01.60	00.00	700	UBH	1	5.44	21	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	24	H	<20	TS		01.70	00.00	700	UBH	1	2.26	21	
11	24	H	25	TS		01.60	00.00	720	UBH	5	1.07	2	
12	24	H	21	TS		01.80	00.00	720	UBH	5	1.44	2	
13	24	H	22	TS		01.20	00.00	720	UBH	5	1.29	2	
14	24	H	20	TS		01.20	00.00	720	UBH	5	2.44	2	
17	24	H	22	TS		00.40	00.00	720	UBH	5	2.38	2	
24	24	H	<20	TS		01.50	00.00	720	UBH	5	1.22	2	
26	24	H	35	V1		00.00	00.00	720	UBH	5	1.64	2	
9	25	H	<20	TS		01.80	00.00	700	UBH	1	3.26	21	
10	25	H	<20	TS		01.20	00.00	700	UBH	1	3.94	21	
11	25	H	SQRL	TS		-13.30	-22.00	720	2H	5	0.77	39	
11	25	H	SQRL	TS		-16.30	-22.00	720	UBH	5	0.72	2	
12	25	H	31	TS		02.10	00.00	720	UBH	5	1.53	2	
13	25	H	29	TS		01.50	00.00	720	UBH	5	2.25	2	
14	25	H	38	TS		01.30	00.00	720	UBH	5	3.29	2	
15	25	H	39	TS		00.80	00.00	720	UBH	5	3.38	2	
19	25	H	43	TS		00.00	00.00	720	UBH	5	2.24	2	
22	25	H	27	TS		00.00	00.00	720	UBH	5	2.82	2	
22	25	H	26	V2		00.00	00.00	720	UBH	5	1.22	2	
22	25	H	<20	V3		00.00	00.00	720	UBH	5	1.84	2	
24	25	H	<20	TS		02.10	00.00	720	UBH	5	0.81	2	

ROW ----	COL ----	LEG -----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	25	H	<20	TS		01.80	00.00	720	UBH	6	0.99	2	
26	25	H	<20	TS		01.80	00.00	720	UBH	1	2.41	2	
26	25	H	25	V3		00.00	00.00	720	UBH	5	1.31	2	
32	25	H	34	TS		03.20	00.00	720	UBH	5	0.80	2	
10	26	H	<20	TS		00.80	00.00	700	UBH	1	3.91	21	
11	26	H	<20	TS		01.60	00.00	720	UBH	5	1.90	2	
12	26	H	42	TS		01.80	00.00	720	UBH	5	2.53	2	
12	26	H	82	TS		-03.80	-22.00	720	3H	5	1.13	39	
13	26	H	36	TS		02.10	00.00	720	UBH	5	2.98	2	
14	26	H	27	TS		01.80	00.00	720	UBH	5	2.54	2	
15	26	H	35	TS		01.50	00.00	720	UBH	1	4.07	2	
15	26	H	91	TS		-05.20	-22.00	720	2H	5	1.38	39	
16	26	H	23	TS		01.80	00.00	720	UBH	5	0.77	2	
16	26	H	SQRL	TS		-16.50	-22.00	720	1H	5	0.38	26	
17	26	H	38	TS		02.10	00.00	720	UBH	5	1.70	2	
18	26	H	<20	TS		02.10	00.00	720	UBH	5	0.83	2	
21	26	H	31	TS		00.60	00.00	720	UBH	5	0.68	2	
26	26	H	<20	TS		02.60	00.00	720	UBH	1	2.44	3	
27	26	H	<20	TS		02.40	00.00	720	UBH	5	0.68	3	
28	26	H	<20	TS		01.60	00.00	720	UBH	5	0.55	3	
29	26	H	<20	V3		00.00	00.00	720	UBH	5	1.20	3	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	26	H	<20	V3		00.00	00.00	720	UBH	5	0.95	3	
32	26	H	<20	TS		03.10	00.00	720	UBH	5	0.37	3	
6	27	H	<20	TS		00.70	00.00	700	UBH	1	4.44	21	
8	27	H	40	TS		00.70	00.00	700	UBH	1	3.02	21	
10	27	H	<20	TS		05.40	00.00	700	UBH	5	1.43	21	
11	27	H	22	TS		01.10	00.00	720	UBH	1	2.08	3	
11	27	H	23	TS		01.70	00.00	720	UBH	1	3.05	3	
12	27	H	40	TS		00.90	02.10	720	UBH	1	5.86	3	
13	27	H	36	TS		00.90	02.10	720	UBH	1	1.96	3	
15	27	H	45	TS		01.10	03.70	720	UBH	1	2.00	3	
15	27	H	<20	V3		00.00	00.00	720	UBH	5	1.35	3	
16	27	H	24	TS		01.10	00.00	720	UBH	1	2.05	3	
17	27	H	<20	TS		01.10	00.00	720	UBH	1	1.19	3	
17	27	H	42	TS		02.10	00.00	720	UBH	1	0.70	3	
19	27	H	<20	TS		00.80	00.00	720	UBH	1	1.24	3	
21	27	H	32	TS		00.70	00.00	720	UBH	1	0.77	3	
25	27	H	<20	TS		02.90	00.00	720	UBH	1	1.60	3	
26	27	H	<20	TS		02.30	00.00	720	UBH	1	2.32	3	
27	27	H	<20	TS		02.00	00.00	720	UBH	1	1.58	3	
28	27	H	<20	TS		01.60	00.00	720	UBH	1	1.77	3	
29	27	H	<20	TS		01.00	00.00	720	UBH	1	1.11	3	

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ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	28	H	21	TS		12.00	00.00	700	UBH	1	2.74	21	
11	28	H	22	TS		01.60	00.00	720	UBH	1	3.51	3	
12	28	H	34	TS		01.40	00.00	720	UBH	1	4.82	3	
13	28	H	40	TS		01.50	00.00	720	UBH	1	2.14	3	
13	28	H	41	TS		02.00	00.00	720	UBH	1	0.62	3	
14	28	H	33	TS		01.30	02.20	720	UBH	1	1.65	3	
15	28	H	49	TS		01.50	02.20	720	2H	1	2.02	39	
16	28	H	28	TS		00.90	00.00	720	UBH	1	2.28	3	
18	28	H	25	TS		01.10	00.00	720	UBH	1	2.39	3	
19	28	H	<20	TS		01.00	00.00	720	UBH	1	1.47	3	
21	28	H	<20	TS		01.20	00.00	720	UBH	1	0.89	3	
22	28	H	24	TS		00.70	00.00	720	UBH	1	1.14	3	
24	28	H	<20	TS		04.30	00.00	720	UBH	1	1.08	3	
26	28	H	<20	TS		02.40	00.00	720	UBH	1	1.15	3	
27	28	H	<20	TS		01.20	00.00	720	UBH	1	0.84	3	
28	28	H	<20	TS		02.50	00.00	720	UBH	1	1.14	3	
3	29	H	23	5		00.00	00.00	700	UBH	5	3.14	21	
10	29	H	<20	TS		00.50	00.00	700	UBH	5	1.63	21	
11	29	H	24	TS		01.00	00.00	720	UBH	1	2.25	3	
12	29	H	33	TS		01.80	02.80	720	UBH	1	5.07	3	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
14	29	H	42	TS		01.50	00.00	720	UBH	1	4.40	3	
15	29	H	29	TS		01.60	02.50	720	UBH	1	2.28	3	
15	29	H	87	TS		-03.00	-22.00	720	3H	5	0.78	39	
15	29	H	89	TS		-07.80	-22.00	720	UBH	5	0.78	3	
16	29	H	24	TS		01.20	00.00	720	UBH	1	1.81	3	
17	29	H	21	TS		00.50	00.00	720	UBH	1	3.85	3	
17	29	H	<20	TS		01.20	00.00	720	UBH	1	1.52	3	
19	29	H	24	TS		01.50	00.00	720	UBH	1	3.72	3	
20	29	H	<20	TS		01.10	00.00	720	UBH	1	0.85	3	
21	29	H	<20	TS		00.70	00.00	720	UBH	1	1.83	3	
21	29	H	<20	TS		01.20	00.00	720	UBH	1	2.29	3	
22	29	H	<20	TS		00.60	00.00	720	UBH	1	1.48	3	
22	29	H	<20	TS		05.90	00.00	720	UBH	1	0.90	3	
23	29	H	<20	TS		01.10	00.00	720	UBH	1	2.69	3	
24	29	H	<20	TS		00.80	00.00	720	UBH	1	1.45	3	
32	29	H	36	TS		00.40	00.00	720	UBH	1	1.34	3	
35	29	H	20	TS		01.60	00.00	720	UBH	1	1.23	3	
36	29	H	36	TS		01.60	00.00	720	UBH	1	1.34	3	
7	30	H	SQRL	TS		-11.70	-22.00	720	1H	5	0.75	42	
10	30	H	23	TS		01.00	00.00	700	UBH	1	1.42	21	
11	30	H	<20	TS		01.00	00.00	720	UBH	1	2.34	3	
11	30	H	<20	TS		02.20	00.00	720	UBH	1	1.48	3	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	30	H	40	TS		00.50	03.00	720	UBH	1	4.36	3	
12	30	H	90	TS		-10.30	-22.00	720	2H	5	0.53	39	
13	30	H	43	TS		00.70	00.00	720	UBH	1	1.13	3	
13	30	H	44	TS		01.60	00.00	720	UBH	1	3.77	3	
14	30	H	30	TS		01.00	02.00	720	UBH	1	3.28	3	
15	30	H	26	TS		01.80	00.00	720	UBH	1	2.68	3	
15	30	H	85	TS		-01.00	-22.00	720	2H	5	0.54	39	
15	30	H	87	TS		-04.20	-22.00	720	UBH	5	0.44	3	
16	30	H	22	TS		00.50	00.00	720	UBH	1	1.86	3	
17	30	H	36	TS		01.20	00.00	720	UBH	1	1.67	3	
18	30	H	21	TS		00.90	00.00	720	UBH	1	2.22	3	
20	30	H	<20	TS		00.90	00.00	720	UBH	1	0.92	3	
21	30	H	26	TS		01.10	00.00	720	UBH	1	0.84	3	
22	30	H	<20	TS		00.30	00.00	720	UBH	1	2.21	3	
22	30	H	32	TS		00.90	00.00	720	UBH	1	0.80	3	
22	30	H	<20	TS		01.90	00.00	720	UBH	1	1.19	3	
24	30	H	<20	TS		00.90	00.00	720	UBH	1	3.24	3	
26	30	H	<20	V3		00.00	00.00	720	UBH	1	3.07	4	
36	30	H	35	TS		01.50	00.00	720	UBH	1	1.30	4	
37	30	H	24	TS		00.90	00.00	720	UBH	5	2.18	4	
11	31	H	<20	2		01.20	00.00	720	UBH	5	2.21	4	
13	31	H	33	TS		00.90	00.00	720	UBH	5	4.80	4	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	31	H	27	TS		01.40	00.00	720	UBH	5	2.05	4	
15	31	H	32	TS		01.70	02.60	720	UBH	1	3.32	4	
16	31	H	26	TS		01.20	00.00	720	UBH	5	1.35	4	
17	31	H	26	TS		01.20	00.00	720	UBH	5	1.10	4	
18	31	H	<20	TS		01.50	00.00	720	UBH	5	1.33	4	
19	31	H	<20	TS		01.50	00.00	720	UBH	5	1.41	4	
22	31	H	26	TS		01.20	00.00	720	UBH	5	1.12	4	
23	31	H	23	TS		01.20	00.00	720	UBH	5	0.85	4	
31	31	H	<20	TS		01.10	00.00	720	UBH	1	0.80	4	
32	31	H	<20	TS		00.90	00.00	720	UBH	1	1.02	4	
36	31	H	23	TS		00.30	00.00	720	UBH	5	0.79	4	
37	31	H	26	TS		01.70	00.00	720	UBH	1	1.83	4	
3	32	H	<20	TS		05.70	00.00	700	UBH	1	1.51	21	
6	32	H	21	TS		01.30	00.00	700	UBH	5	1.10	21	
7	32	H	<20	TS		01.00	00.00	700	UBH	1	3.15	21	
8	32	H	22	TS		00.00	00.00	700	UBH	1	1.77	21	
9	32	H	<20	TS		01.20	00.00	700	UBH	1	2.43	21	
11	32	H	27	2		01.20	00.00	720	UBH	5	1.43	4	
13	32	H	33	2		01.80	00.00	720	UBH	5	3.47	4	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	32	H	33	TS		01.40	00.00	720	UBH	5	2.56	4	
15	32	H	27	TS		01.80	00.00	720	UBH	1	2.99	4	
16	32	H	<20	TS		01.70	00.00	720	UBH	1	2.08	4	
17	32	H	<20	TS		01.50	00.00	720	UBH	5	1.30	4	
18	32	H	<20	TS		00.90	00.00	720	UBH	5	1.02	4	
22	32	H	<20	TS		00.80	00.00	720	UBH	1	1.66	4	
23	32	H	<20	TS		06.90	00.00	720	UBH	1	1.85	4	
25	32	H	<20	TS		05.70	00.00	720	UBH	5	0.60	4	
26	32	H	<20	TS		03.90	00.00	720	UBH	5	0.97	4	
36	32	H	23	TS		02.40	00.00	720	UBH	5	0.88	4	
6	33	H	20	4		00.00	00.00	700	UBH	5	2.44	21	
6	33	H	34	5		00.00	00.00	700	UBH	5	2.95	21	
8	33	H	22	TS		01.20	00.00	700	UBH	1	2.28	21	
8	33	H	34	5		01.30	00.00	700	UBH	5	1.83	21	
9	33	H	22	TS		01.60	00.00	700	UBH	1	2.40	21	
11	33	H	<20	TS		01.60	00.00	720	UBH	1	1.94	4	
12	33	H	39	TS		00.10	01.70	720	UBH	1	5.86	4	
13	33	H	27	TS		01.50	00.00	720	UBH	1	3.00	4	
14	33	H	25	TS		01.60	00.00	720	UBH	1	3.80	4	
15	33	H	28	TS		01.60	00.00	720	UBH	1	3.45	4	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
16	33	H	<20	TS		02.00	00.00	720	UBH	1	2.32	4	
17	33	H	<20	TS		00.90	00.00	720	UBH	5	1.46	4	
19	33	H	<20	TS		00.90	00.00	720	UBH	1	0.89	4	
24	33	H	81	TS		00.60	00.00	720	4H	1	0.87	39	
30	33	H	<20	TS		03.10	00.00	720	UBH	5	1.57	4	
40	33	H	29	6		28.20	00.00	720	UBH	1	4.46	4	
7	34	H	<20	TS		02.10	00.00	700	UBH	1	2.73	21	
8	34	H	<20	TS		01.00	00.00	700	UBH	1	2.45	21	
8	34	H	<20	TS		02.20	00.00	700	UBH	1	3.42	21	
9	34	H	<20	TS		00.50	00.00	700	UBH	1	2.33	21	
11	34	H	<20	TS		00.90	00.00	720	UBH	5	1.74	4	
12	34	H	35	TS		01.50	00.00	720	UBH	5	3.38	4	
12	34	H	27	TS		01.80	00.00	720	UBH	1	5.37	4	
13	34	H	27	TS		01.50	00.00	720	UBH	1	3.91	4	
14	34	H	25	TS		01.80	00.00	720	UBH	1	2.20	4	
14	34	H	<20	6		06.60	00.00	720	6H	5	4.14	30	
15	34	H	24	TS		02.20	00.00	720	UBH	5	1.15	4	
16	34	H	<20	TS		01.20	00.00	720	UBH	1	2.61	4	
17	34	H	<20	TS		01.20	00.00	720	UBH	1	1.38	4	
19	34	H	<20	TS		00.50	00.00	720	UBH	1	1.39	4	
20	34	H	24	TS		01.10	00.00	720	UBH	1	1.10	5	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	34	H	24	TS		01.30	00.00	720	UBH	1	2.12	5	
23	34	H	36	TS		01.00	00.00	720	UBH	1	3.72	5	
24	34	H	<20	TS		01.00	00.00	720	UBH	1	1.07	5	
26	34	H	21	TS		08.30	00.00	720	UBH	1	1.77	5	
29	34	H	29	TS		02.40	00.00	720	UBH	1	0.82	5	
33	34	H	22	TS		01.20	00.00	720	UBH	1	1.03	5	
34	34	H	25	TS		06.80	00.00	720	UBH	1	0.73	5	
6	35	H	37	TS		00.80	00.00	700	UBH	5	1.99	21	
6	35	H	<20	TS		17.10	00.00	700	UBH	1	1.57	21	
9	35	H	<20	TS		01.10	00.00	700	UBH	1	2.65	21	
10	35	H	<20	TS		00.70	00.00	700	UBH	1	1.82	21	
11	35	H	27	TS		00.90	00.00	720	UBH	1	1.86	5	
12	35	H	39	TS		00.90	00.00	720	UBH	1	3.45	5	
12	35	H	36	TS		01.90	00.00	720	UBH	1	1.99	5	
13	35	H	39	TS		01.50	00.00	720	UBH	1	1.98	5	
14	35	H	33	TS		02.00	00.00	720	UBH	1	1.36	5	
15	35	H	21	TS		02.20	00.00	720	UBH	1	2.19	5	
16	35	H	36	TS		01.90	00.00	720	UBH	1	0.78	5	
17	35	H	<20	TS		01.30	00.00	720	UBH	1	1.14	5	
18	35	H	42	TS		00.20	00.00	720	UBH	1	1.74	5	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	35	H	33	TS		01.20	00.00	720	UBH	1	2.15	5	
21	35	H	<20	TS		01.40	00.00	720	UBH	1	1.74	5	
22	35	H	42	TS		01.00	00.00	720	UBH	1	1.80	5	
23	35	H	28	TS		01.10	00.00	720	UBH	1	2.64	5	
23	35	H	<20	TS		07.50	00.00	720	UBH	1	1.64	5	
24	35	H	24	TS		01.20	00.00	720	UBH	1	2.75	5	
26	35	H	69	TS		00.30	00.00	720	3H	1	1.10	39	
26	35	H	20	TS		07.60	00.00	720	UBH	1	2.30	5	
30	35	H	20	TS		01.80	00.00	720	UBH	1	1.14	5	
42	35	H	<20	2		00.00	00.00	720	UBH	5	1.80	5	
42	35	H	31	3		03.50	00.00	720	UBH	1	2.96	5	
44	35	H	36	2		01.80	00.00	720	UBH	1	1.27	5	
9	36	H	39	TS		00.50	00.00	700	UBH	1	2.51	21	
9	36	H	<20	TS		01.30	00.00	700	UBH	1	2.60	21	
10	36	H	<20	TS		00.50	00.00	700	UBH	1	3.81	21	
11	36	H	39	TS		01.20	00.00	720	UBH	1	2.21	5	
12	36	H	40	TS		01.10	00.00	720	UBH	1	2.06	5	
13	36	H	49	TS		01.40	00.00	720	2H	1	1.64	39	
13	36	H	43	TS		02.00	00.00	720	UBH	1	3.96	5	
14	36	H	21	TS		02.00	00.00	720	UBH	1	1.37	5	
15	36	H	26	TS		00.80	00.00	720	UBH	1	1.65	5	
15	36	H	32	TS		02.00	00.00	720	UBH	1	3.74	5	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	36	H	21	TS		03.90	00.00	720	UBH	1	1.95	5	
15	36	H	29	TS		07.20	00.00	720	UBH	1	1.30	5	
16	36	H	27	TS		00.90	00.00	720	UBH	1	1.55	5	
16	36	H	38	TS		01.80	00.00	720	UBH	1	3.87	5	
18	36	H	22	TS		01.20	00.00	720	UBH	1	1.38	5	
19	36	H	<20	TS		00.70	00.00	720	UBH	1	2.26	5	
20	36	H	26	TS		00.40	00.00	720	UBH	1	1.92	5	
21	36	H	<20	TS		01.10	00.00	720	UBH	1	1.65	5	
23	36	H	44	TS		01.20	00.00	720	UBH	1	2.73	5	
26	36	H	34	TS		02.10	00.00	720	UBH	1	2.03	5	
27	36	H	<20	TS		00.50	00.00	720	UBH	1	1.72	5	
32	36	H	66	TS		12.80	00.00	720	2H	1	4.65	39	
6	37	H	22	TS		00.50	00.00	700	UBH	1	3.95	21	
9	37	H	42	TS		00.40	00.00	700	UBH	1	2.97	21	
9	37	H	32	TS		01.00	00.00	700	UBH	1	3.04	21	
10	37	H	<20	TS		01.20	00.00	700	UBH	1	4.46	21	
11	37	H	22	TS		01.20	00.00	720	UBH	1	3.56	5	
12	37	H	34	TS		01.40	00.00	720	UBH	1	1.93	5	
12	37	H	24	TS		02.10	00.00	720	UBH	1	2.24	5	
13	37	H	36	TS		01.20	00.00	720	UBH	1	2.59	5	
13	37	H	21	TS		02.40	00.00	720	UBH	1	1.48	5	
14	37	H	39	TS		01.30	00.00	720	UBH	1	1.59	5	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	37	H	46	TS		02.00	00.00	720	UBH	1	1.16	5	
15	37	H	41	TS		02.60	00.00	720	UBH	1	2.58	5	
16	37	H	30	TS		02.10	00.00	720	UBH	1	2.45	5	
17	37	H	37	TS		01.80	00.00	720	UBH	1	1.66	5	
19	37	H	46	TS		00.50	00.00	720	UBH	1	2.33	5	
19	37	H	28	TS		01.40	00.00	720	UBH	1	1.58	5	
20	37	H	33	TS		01.20	00.00	720	UBH	1	2.31	5	
21	37	H	24	TS		01.20	00.00	720	UBH	1	3.51	5	
22	37	H	24	TS		01.60	00.00	720	UBH	1	3.49	5	
23	37	H	28	TS		00.60	00.00	720	UBH	1	3.05	5	
24	37	H	<20	TS		00.60	00.00	720	UBH	1	2.60	5	
26	37	H	20	TS		02.80	00.00	720	UBH	1	2.10	5	
27	37	H	39	TS		00.90	00.00	720	UBH	1	1.45	5	
27	37	H	24	TS		07.00	00.00	720	UBH	1	2.39	5	
27	37	H	31	TS		07.90	00.00	720	UBH	1	1.69	5	
29	37	H	22	TS		05.40	00.00	720	UBH	1	1.71	5	
31	37	H	<20	TS		05.20	00.00	720	UBH	1	1.12	5	
32	37	H	69	TS		12.50	00.00	720	3H	1	1.75	39	
33	37	H	24	TS		09.70	00.00	720	UBH	1	1.79	5	
8	38	H	<20	TS		00.70	00.00	700	UBH	1	5.38	21	
9	38	H	48	TS		00.40	00.00	720	1H	1	2.86	42	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	38	H	<20	TS		01.20	00.00	700	UBH	1	4.75	21	
10	38	H	<20	TS		01.20	00.00	700	UBH	1	3.19	21	
12	38	H	26	TS		00.00	00.00	720	UBH	1	2.16	6	
13	38	H	32	TS		01.20	00.00	720	UBH	1	1.05	6	
14	38	H	24	TS		02.60	00.00	720	UBH	1	1.73	6	
15	38	H	26	TS		02.20	00.00	720	UBH	1	2.40	6	
16	38	H	<20	TS		02.20	00.00	720	UBH	1	3.18	6	
17	38	H	<20	TS		02.10	00.00	720	UBH	1	2.07	6	
18	38	H	26	TS		01.90	00.00	720	UBH	1	2.55	6	
19	38	H	22	TS		01.80	00.00	720	UBH	1	2.77	6	
20	38	H	24	TS		00.50	00.00	720	UBH	1	2.11	6	
21	38	H	<20	TS		00.70	00.00	720	UBH	1	2.60	6	
22	38	H	24	TS		03.00	00.00	720	UBH	1	2.26	6	
23	38	H	<20	TS		01.00	00.00	720	UBH	1	2.69	6	
24	38	H	24	TS		00.90	00.00	720	UBH	1	2.14	6	
29	38	H	22	TS		06.00	00.00	720	UBH	1	1.86	6	
30	38	H	22	TS		05.50	00.00	720	UBH	1	2.35	6	
9	39	H	<20	TS		01.20	00.00	700	UBH	1	1.79	21	
11	39	H	22	TS		01.80	00.00	720	UBH	1	2.84	6	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	39	H	38	TS		00.80	00.00	720	UBH	1	1.89	6	
12	39	H	<20	TS		01.70	00.00	720	UBH	1	2.57	6	
17	39	H	21	TS		01.90	00.00	720	UBH	1	2.46	6	
18	39	H	21	TS		02.00	00.00	720	UBH	1	2.54	6	
19	39	H	<20	TS		01.20	00.00	720	UBH	1	2.76	6	
20	39	H	<20	TS		01.20	00.00	720	UBH	1	3.35	6	
21	39	H	<20	TS		01.40	00.00	720	UBH	1	2.64	6	
22	39	H	22	TS		01.10	00.00	720	UBH	1	3.14	6	
23	39	H	33	TS		01.30	00.00	720	UBH	1	5.29	6	
27	39	H	27	TS		01.20	00.00	720	UBH	1	3.74	6	
29	39	H	<20	TS		00.50	00.00	720	UBH	1	1.77	6	
13	40	H	22	TS		02.90	00.00	720	UBH	1	3.06	6	
17	40	H	<20	TS		01.20	00.00	720	UBH	1	2.10	6	
18	40	H	<20	TS		02.10	00.00	720	UBH	1	3.04	6	
19	40	H	23	TS		01.70	00.00	720	UBH	1	2.09	6	
21	40	H	<20	TS		01.80	00.00	720	UBH	1	3.40	6	
22	40	H	20	TS		01.10	00.00	720	UBH	1	3.25	6	
23	40	H	23	TS		01.50	00.00	720	UBH	1	4.13	6	
25	40	H	<20	TS		00.80	00.00	720	UBH	1	3.53	6	

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ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
26	40	H	<20	TS		00.70	00.00	720	UBH	1	2.35	6	
29	40	H	<20	TS		01.50	00.00	720	UBH	1	1.54	6	
38	40	H	20	TS		01.20	00.00	720	UBH	1	3.24	6	
11	41	H	<20	TS		02.40	00.00	720	UBH	1	3.97	7	
12	41	H	20	TS		02.70	00.00	720	UBH	1	3.46	7	
13	41	H	20	TS		02.80	00.00	720	UBH	1	3.42	7	
14	41	H	45	TS		03.10	00.00	720	UBH	1	4.28	7	
16	41	H	30	TS		02.40	00.00	720	UBH	1	1.95	7	
17	41	H	32	TS		02.00	00.00	720	UBH	1	1.81	7	
18	41	H	25	TS		01.20	00.00	720	UBH	1	1.73	7	
19	41	H	32	TS		02.40	00.00	720	UBH	1	1.56	7	
20	41	H	23	TS		02.70	00.00	720	UBH	1	2.65	7	
21	41	H	27	TS		01.70	00.00	720	UBH	5	1.12	7	
22	41	H	<20	TS		00.50	00.00	720	UBH	5	2.88	7	
22	41	H	60	TS		01.40	00.00	720	2H	5	1.25	39	
23	41	H	25	TS		01.20	00.00	720	UBH	1	3.18	7	
24	41	H	33	TS		00.60	00.00	720	UBH	1	4.63	7	
25	41	H	36	TS		00.30	00.00	720	UBH	5	2.99	7	
26	41	H	30	TS		00.60	00.00	720	UBH	1	2.73	7	
27	41	H	28	TS		07.80	00.00	720	UBH	1	1.65	7	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	41	H	28	TS		01.50	00.00	720	UBH	1	1.26	7	
29	41	H	24	TS		06.30	00.00	720	UBH	5	1.91	7	
30	41	H	<20	TS		06.20	00.00	720	UBH	5	1.07	7	
6	42	H	47	TS		00.70	00.00	700	UBH	1	2.33	21	
11	42	H	25	TS		02.10	00.00	720	UBH	1	4.10	7	
12	42	H	23	TS		02.70	00.00	720	UBH	1	3.35	7	
13	42	H	<20	TS		00.90	00.00	720	UBH	1	2.03	7	
17	42	H	21	TS		03.00	00.00	720	UBH	1	1.89	7	
18	42	H	27	TS		03.60	00.00	720	UBH	1	1.73	7	
20	42	H	25	TS		03.20	00.00	720	UBH	1	1.97	7	
21	42	H	21	TS		02.50	00.00	720	UBH	1	2.25	7	
22	42	H	27	TS		01.80	00.00	720	UBH	1	2.43	7	
23	42	H	40	TS		00.90	00.00	720	UBH	1	3.32	7	
24	42	H	29	TS		00.90	00.00	720	UBH	1	4.02	7	
24	42	H	24	V3		00.00	00.00	720	UBH	5	1.22	7	
25	42	H	38	TS		00.70	00.00	720	UBH	5	2.74	7	
26	42	H	39	TS		00.60	00.00	720	UBH	5	2.13	7	
27	42	H	<20	TS		07.60	00.00	720	UBH	5	1.53	7	
29	42	H	20	TS		07.30	00.00	720	UBH	1	2.06	7	
31	42	H	23	TS		00.60	00.00	720	UBH	1	2.03	7	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	42	H	22	V2		00.00	00.00	720	UBH	5	1.88	7	
32	42	H	72	TS		20.10	00.00	720	3H	1	3.07	39	
33	42	H	31	TS		04.20	00.00	720	UBH	1	1.21	7	
36	42	H	20	TS		00.90	00.00	720	UBH	5	1.00	7	
37	42	H	30	TS		03.30	00.00	720	UBH	1	3.24	7	
2	43	H	<20	TS		02.70	00.00	700	UBH	5	1.21	22	
6	43	H	<20	TS		00.40	00.00	700	UBH	1	9.86	22	
8	43	H	25	TS		00.50	00.00	700	UBH	5	1.45	22	
10	43	H	<20	TS		01.20	00.00	700	UBH	5	1.13	22	
12	43	H	64	TS		00.00	00.00	720	2H	5	6.92	39	
13	43	H	20	TS		02.40	00.00	720	UBH	1	1.52	7	
14	43	H	25	TS		00.60	00.00	720	UBH	1	1.37	7	
15	43	H	30	TS		01.20	00.00	720	UBH	1	1.51	7	
19	43	H	21	TS		03.00	00.00	720	UBH	1	0.92	7	
20	43	H	29	TS		02.90	00.00	720	UBH	1	1.49	7	
21	43	H	49	TS		01.90	00.00	720	4H	1	0.72	39	
22	43	H	22	1		01.90	00.00	720	UBH	5	1.25	7	
23	43	H	34	TS		01.50	00.00	720	UBH	1	4.60	7	
24	43	H	45	TS		00.80	00.00	720	UBH	5	2.09	7	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	43	H	22	TS		08.10	00.00	720	UBH	5	1.09	7	
25	43	H	<20	TS		00.60	00.00	720	UBH	1	2.61	7	
26	43	H	39	TS		00.60	00.00	720	UBH	1	1.67	7	
27	43	H	36	TS		05.60	00.00	720	UBH	1	1.18	7	
28	43	H	20	TS		07.20	00.00	720	UBH	5	1.28	7	
29	43	H	24	TS		07.20	00.00	720	UBH	1	1.64	7	
31	43	H	21	TS		02.50	00.00	720	UBH	1	1.19	7	
32	43	H	<20	TS		03.90	00.00	720	UBH	5	0.89	7	
13	44	H	93	TS		00.70	00.00	720	2H	1	1.07	39	
15	44	H	36	TS		01.20	00.00	720	UBH	1	1.77	7	
15	44	H	<20	V2		00.00	00.00	720	UBH	5	2.02	7	
15	44	H	22	V3		00.00	00.00	720	UBH	5	1.52	7	
21	44	H	<20	TS		02.60	00.00	720	UBH	5	1.58	7	
22	44	H	44	TS		01.60	00.00	720	UBH	5	0.94	7	
23	44	H	37	TS		01.80	00.00	720	UBH	6	2.04	7	
24	44	H	21	TS		01.10	00.00	720	UBH	1	2.70	7	
24	44	H	21	TS		08.10	00.00	720	UBH	1	1.68	7	
25	44	H	28	TS		00.80	00.00	720	UBH	1	1.28	7	
26	44	H	26	TS		07.50	00.00	720	UBH	5	1.41	7	
27	44	H	22	TS		00.90	00.00	720	UBH	1	0.86	7	
28	44	H	22	TS		01.60	00.00	720	UBH	1	0.96	7	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	44	H	29	TS		06.10	00.00	720	UBH	5	1.43	7	
15	45	H	<20	TS		01.40	00.00	720	UBH	1	2.42	8	
17	45	H	<20	TS		03.60	00.00	720	UBH	5	0.77	8	
18	45	H	45	TS		04.60	00.00	720	UBH	5	1.99	8	
21	45	H	<20	TS		02.80	00.00	720	UBH	1	2.07	8	
25	45	H	<20	TS		00.00	00.00	720	UBH	5	1.06	8	
6	46	H	34	4		00.00	00.00	700	UBH	1	6.00	22	
14	46	H	<20	TS		01.40	00.00	720	UBH	1	0.97	8	
20	46	H	23	TS		08.10	00.00	720	UBH	5	1.05	8	
21	46	H	23	TS		02.80	00.00	720	UBH	1	2.46	8	
22	46	H	<20	TS		02.60	00.00	720	UBH	1	2.68	8	
23	46	H	25	TS		02.00	00.00	720	UBH	1	1.91	8	
24	46	H	<20	TS		01.20	00.00	720	UBH	1	2.16	8	
27	46	H	<20	TS		06.10	00.00	720	UBH	5	1.50	8	
29	46	H	44	TS		00.00	00.00	720	UBH	5	2.90	8	
29	46	H	<20	TS		06.60	00.00	720	UBH	1	1.67	8	
30	46	H	59	TS		00.50	00.00	720	2H	1	1.06	39	
31	46	H	35	TS		05.40	00.00	720	UBH	1	1.75	8	
38	46	H	<20	2		00.00	00.00	720	UBH	5	8.77	8	
38	46	H	<20	3		00.00	00.00	720	UBH	1	18.15	8	

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LISTING OF INDICATIONS FOR L A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
40	46	H	39	TS		01.20	00.00	720	UBH	1	2.00	8	
6	47	H	20	TS		00.30	00.00	700	UBH	5	1.49	22	
6	47	H	25	TS		00.90	00.00	700	UBH	1	0.97	22	
8	47	H	36	TS		01.00	00.00	700	UBH	1	2.30	22	
11	47	H	50	TS		01.50	00.00	720	1H	5	1.84	39	
11	47	H	44	TS		02.40	00.00	720	UBH	5	1.29	8	
18	47	H	20	TS		01.80	00.00	720	UBH	5	1.09	8	
18	47	H	26	TS		03.90	00.00	720	UBH	1	1.70	8	
20	47	H	21	TS		09.90	00.00	720	UBH	5	1.52	8	
21	47	H	<20	TS		02.70	00.00	720	UBH	5	1.46	8	
22	47	H	30	TS		02.40	00.00	720	UBH	5	1.79	8	
23	47	H	<20	TS		02.20	00.00	720	UBH	1	2.13	8	
24	47	H	<20	TS		08.40	00.00	720	UBH	5	1.17	8	
29	47	H	32	TS		00.00	00.00	720	UBH	5	1.89	8	
30	47	H	22	TS		00.00	00.00	720	UBH	5	2.90	8	
31	47	H	20	TS		00.00	00.00	720	UBH	5	3.11	8	
32	47	H	26	TS		04.80	00.00	720	UBH	5	1.59	8	
44	47	H	<20	TS		00.00	00.00	720	UBH	4	3.12	8	
3	48	H	20	3		00.00	00.00	700	UBH	5	6.70	22	
7	48	H	43	TS		00.00	00.00	700	UBH	5	2.25	42	
10	48	H	34	TS		01.40	00.00	720	UBH	5	0.85	39	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	48	H	58	TS		01.80	00.00	720	1H	5	1.83	39	
11	48	H	53	TS		02.40	00.00	720	1H	5	1.24	39	
16	48	H	24	TS		02.10	00.00	720	UBH	5	0.85	8	
20	48	H	20	TS		03.60	00.00	720	UBH	5	1.39	8	
20	48	H	20	TS		10.40	00.00	720	UBH	5	1.10	8	
22	48	H	20	TS		02.60	00.00	720	UBH	1	2.07	9	
23	48	H	<20	TS		01.50	00.00	720	UBH	1	1.58	9	
23	48	H	<20	TS		08.40	00.00	720	UBH	1	2.27	9	
25	48	H	<20	TS		03.80	00.00	720	UBH	5	1.40	9	
29	48	H	34	TS		01.40	00.00	720	UBH	1	4.30	9	
32	48	H	<20	TS		05.10	00.00	720	UBH	1	1.96	9	
33	48	H	27	TS		03.80	00.00	720	UBH	5	0.65	9	
10	49	H	<20	TS		02.30	00.00	720	UBH	5	2.30	39	
11	49	H	52	TS		01.70	00.00	720	2H	5	1.38	39	
12	49	H	27	TS		02.10	00.00	720	UBH	5	1.11	9	
16	49	H	34	TS		04.30	00.00	720	UBH	5	1.13	9	
17	49	H	27	TS		07.10	00.00	720	UBH	5	0.82	9	
17	49	H	<20	TS		08.30	00.00	720	UBH	5	1.14	9	
21	49	H	<20	TS		10.30	00.00	720	UBH	5	1.38	9	
22	49	H	<20	TS		02.30	00.00	720	UBH	5	1.17	9	
31	49	H	<20	TS		05.00	00.00	720	UBH	5	1.40	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	49	H	42	TS		04.70	00.00	720	UBH	5	0.89	9	
33	49	H	27	TS		04.00	00.00	720	UBH	5	1.04	9	
9	50	H	41	TS		00.80	00.00	700	UBH	1	2.32	22	
17	50	H	<20	TS		13.70	00.00	720	UBH	5	0.99	9	
18	50	H	<20	TS		04.00	00.00	720	UBH	5	1.71	9	
23	50	H	35	TS		01.40	00.00	720	UBH	5	1.01	9	
24	50	H	37	TS		01.70	00.00	720	UBH	5	1.41	9	
25	50	H	21	TS		01.40	00.00	720	UBH	5	0.90	9	
26	50	H	<20	TS		05.90	00.00	720	UBH	5	1.33	9	
28	50	H	<20	TS		05.30	00.00	720	UBH	5	1.01	9	
30	50	H	25	TS		00.80	00.00	720	UBH	5	1.15	9	
31	50	H	<20	TS		00.50	00.00	720	UBH	5	1.10	9	
31	50	H	<20	TS		05.00	00.00	720	UBH	5	1.27	9	
13	51	H	26	TS		02.50	00.00	720	UBH	1	1.36	10	
18	51	H	<20	TS		03.50	00.00	720	UBH	5	1.38	9	
24	51	H	42	TS		01.10	00.00	720	UBH	5	1.53	9	
24	51	H	<20	TS		03.80	00.00	720	UBH	5	1.22	9	
25	51	H	35	TS		01.40	00.00	720	UBH	5	2.26	9	
25	51	H	<20	TS		04.10	00.00	720	UBH	5	1.51	9	
26	51	H	27	TS		01.10	00.00	720	UBH	1	1.88	9	
28	51	H	26	TS		02.30	00.00	720	UBH	1	1.08	9	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	51	H	<20	TS		01.30	00.00	720	UBH	5	0.71	9	
30	51	H	<20	TS		01.70	00.00	720	UBH	5	1.61	9	
31	51	H	32	TS		01.10	00.00	720	UBH	5	1.72	9	
33	51	H	32	TS		01.40	00.00	720	UBH	5	1.01	9	
41	51	H	23	V2		00.00	00.00	720	UBH	5	1.26	9	
9	52	H	<20	TS		00.90	00.00	720	UBH	1	3.11	39	
11	52	H	<20	TS		01.10	00.00	720	UBH	1	2.30	10	
11	52	H	22	TS		01.70	00.00	720	UBH	1	1.57	10	
12	52	H	<20	TS		01.80	00.00	720	UBH	1	1.08	10	
13	52	H	37	TS		00.70	00.00	720	UBH	1	1.50	10	
18	52	H	38	TS		03.50	00.00	720	UBH	1	1.60	10	
20	52	H	37	TS		02.20	00.00	720	UBH	1	0.99	10	
22	52	H	<20	TS		01.80	00.00	720	UBH	1	2.03	10	
24	52	H	28	TS		01.80	00.00	720	UBH	1	4.29	10	
25	52	H	24	TS		01.00	02.00	720	UBH	1	3.33	10	
31	52	H	22	TS		00.80	00.00	720	UBH	1	5.17	10	
31	52	H	<20	TS		02.30	00.00	720	UBH	1	1.81	10	
31	52	H	<20	TS		03.90	05.70	720	UBH	1	1.95	10	
32	52	H	33	TS		00.60	00.00	720	UBH	1	2.68	10	
34	52	H	21	TS		27.90	00.00	720	UBH	5	0.85	10	
8	53	H	29	TS		01.40	00.00	720	UBH	5	0.72	39	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
9	53	H	22	TS		01.40	00.00	720	UBH	1	1.45	39	
12	53	H	26	TS		02.00	00.00	720	UBH	1	1.55	10	
13	53	H	<20	TS		01.50	00.00	720	UBH	1	1.25	10	
14	53	H	27	TS		01.10	00.00	720	UBH	1	2.06	10	
15	53	H	29	TS		02.50	00.00	720	UBH	1	1.58	10	
17	53	H	<20	TS		03.70	00.00	720	UBH	1	3.23	10	
18	53	H	33	TS		03.40	00.00	720	UBH	1	2.46	10	
20	53	H	23	TS		02.00	00.00	720	UBH	1	1.55	10	
21	53	H	24	TS		01.60	00.00	720	UBH	1	1.34	10	
22	53	H	<20	TS		02.10	00.00	720	UBH	1	1.29	10	
23	53	H	<20	TS		01.20	00.00	720	UBH	1	1.30	10	
24	53	H	36	TS		00.70	00.00	720	UBH	1	2.50	10	
24	53	H	27	TS		01.50	00.00	720	UBH	1	3.51	10	
25	53	H	27	TS		00.70	00.00	720	UBH	1	3.17	10	
25	53	H	34	TS		01.50	00.00	720	UBH	1	2.37	10	
26	53	H	29	TS		00.90	04.20	720	UBH	1	1.73	10	
28	53	H	55	TS		02.10	00.00	720	1H	1	1.31	42	
29	53	H	<20	TS		01.80	00.00	720	UBH	1	1.63	10	
30	53	H	<20	TS		01.70	00.00	720	UBH	1	1.77	10	
30	53	H	35	TS		24.60	00.00	720	UBH	1	1.42	10	
31	53	H	<20	TS		03.30	00.00	720	UBH	1	1.36	10	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	54	H	22	TS		00.00	00.00	700	UBH	1	6.32	40	
7	54	H	26	TS		01.80	00.00	700	UBH	1	1.64	40	
9	54	H	21	TS		01.50	00.00	700	UBH	1	1.45	40	
10	54	H	<20	TS		01.20	00.00	700	UBH	1	2.32	40	
12	54	H	24	TS		01.60	00.00	720	UBH	1	1.62	10	
13	54	H	36	TS		00.90	00.00	720	UBH	1	1.42	10	
14	54	H	<20	TS		01.00	00.00	720	UBH	1	2.90	10	
15	54	H	25	TS		02.90	00.00	720	UBH	1	1.47	10	
17	54	H	<20	TS		03.60	00.00	720	UBH	1	3.11	10	
18	54	H	36	TS		03.10	00.00	720	UBH	1	2.69	10	
19	54	H	25	TS		02.30	00.00	720	UBH	1	1.51	10	
19	54	H	25	TS		03.40	00.00	720	UBH	1	1.46	10	
21	54	H	32	TS		02.20	00.00	720	UBH	1	0.88	10	
23	54	H	27	TS		00.60	00.00	720	UBH	1	1.05	10	
24	54	H	28	TS		00.60	00.00	720	UBH	1	2.20	10	
24	54	H	29	TS		01.50	00.00	720	UBH	1	2.26	10	
25	54	H	24	TS		00.70	00.00	720	UBH	1	2.31	10	
26	54	H	23	TS		00.80	00.00	720	UBH	1	3.57	10	
26	54	H	31	TS		06.50	00.00	720	UBH	1	2.81	10	
27	54	H	<20	TS		01.80	00.00	720	UBH	1	1.33	10	
28	54	H	<20	TS		01.50	00.00	720	UBH	1	2.45	10	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	54	H	<20	TS		01.90	00.00	720	UBH	1	2.30	10	
31	54	H	28	TS		01.50	00.00	720	UBH	1	1.83	10	
32	54	H	35	TS		01.00	00.00	720	UBH	1	8.77	10	
33	54	H	<20	TS		01.30	00.00	720	UBH	1	2.00	10	
33	54	H	26	6		03.30	00.00	720	UBH	1	3.51	10	
35	54	H	<20	TS		01.20	00.00	720	UBH	1	1.75	10	
36	54	H	<20	TS		10.20	00.00	720	UBH	1	1.13	10	
37	54	H	<20	TS		09.10	00.00	720	UBH	1	0.94	10	
40	54	H	31	TS		00.90	00.00	720	UBH	1	2.25	10	
7	55	H	22	TS		00.90	00.00	700	UBH	1	3.17	40	
8	55	H	28	TS		01.20	00.00	700	UBH	1	1.29	40	
12	55	H	26	TS		00.90	00.00	720	UBH	1	1.49	11	
13	55	H	43	TS		00.40	00.00	720	UBH	1	1.07	11	
14	55	H	31	TS		01.20	00.00	720	UBH	1	1.57	11	
17	55	H	27	TS		03.10	00.00	720	UBH	1	3.80	11	
17	55	H	<20	TS		11.20	00.00	720	UBH	1	2.96	11	
19	55	H	28	TS		02.10	00.00	720	UBH	1	2.04	11	
20	55	H	22	TS		02.80	00.00	720	UBH	1	1.55	11	
21	55	H	<20	TS		01.00	00.00	720	UBH	1	1.88	11	
22	55	H	<20	TS		01.70	00.00	720	UBH	1	1.98	11	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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23	55	H	<20	TS		01.60	00.00	720	UBH	1	2.48	11	
24	55	H	<20	TS		01.50	00.00	720	UBH	1	2.88	11	
25	55	H	<20	TS		00.60	00.00	720	UBH	1	2.10	11	
26	55	H	<20	TS		02.00	00.00	720	UBH	1	1.24	11	
28	55	H	<20	TS		01.20	00.00	720	UBH	1	2.44	11	
29	55	H	27	TS		00.90	00.00	720	UBH	1	1.72	11	
30	55	H	<20	TS		01.50	00.00	720	UBH	1	2.53	11	
31	55	H	<20	TS		01.40	00.00	720	UBH	1	1.15	11	
32	55	H	22	TS		00.40	00.00	720	UBH	1	0.55	11	
33	55	H	<20	TS		00.70	00.00	720	UBH	1	1.86	10	
34	55	H	48	TS		19.80	00.00	720	1H	1	1.15	42	
9	56	H	20	TS		01.20	00.00	700	UBH	5	1.96	40	
9	56	H	<20	6		22.40	00.00	700	UBH	1	3.72	26	
10	56	H	22	TS		01.10	00.00	700	UBH	1	1.60	26	
10	56	H	22	TS		01.20	00.00	700	UBH	1	2.31	40	
11	56	H	29	TS		01.00	00.00	720	UBH	1	3.07	11	
12	56	H	22	TS		01.10	00.00	720	UBH	1	2.13	11	
12	56	H	SQRL	TS		-08.50	-03.00	720	1H	5	1.02	42	
13	56	H	23	TS		01.20	00.00	720	UBH	1	3.39	11	
17	56	H	<20	TS		10.80	00.00	720	UBH	1	2.10	11	
19	56	H	<20	TS		02.10	00.00	720	UBH	1	2.67	11	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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16	57	H	25	TS		02.10	00.00	720	UBH	1	2.31	11	
17	57	H	<20	TS		02.70	00.00	720	UBH	1	2.40	11	
18	57	H	28	TS		02.40	00.00	720	UBH	1	2.81	11	
19	57	H	33	TS		02.40	00.00	720	UBH	1	4.29	11	
20	57	H	34	TS		00.90	00.00	720	UBH	1	0.90	11	
20	57	H	21	TS		02.40	00.00	720	UBH	1	2.24	11	
21	57	H	27	TS		01.20	00.00	720	UBH	1	1.83	11	
22	57	H	40	TS		01.00	00.00	720	UBH	1	1.12	11	
22	57	H	22	TS		01.60	00.00	720	UBH	1	1.15	11	
23	57	H	<20	TS		01.80	00.00	720	UBH	1	3.91	11	
24	57	H	23	TS		01.80	00.00	720	UBH	1	3.85	11	
25	57	H	<20	TS		01.50	00.00	720	UBH	1	2.02	11	
25	57	H	24	V2		00.00	00.00	720	UBH	5	2.61	11	
27	57	H	<20	TS		00.60	00.00	720	UBH	1	1.27	11	
32	57	H	25	TS		00.40	00.00	720	UBH	1	2.32	11	
42	57	H	39	6		00.00	00.00	720	UBH	5	6.33	11	
43	57	H	31	2		00.00	00.00	720	UBH	5	1.68	11	
8	58	H	<20	TS		01.10	00.00	700	UBH	1	4.41	26	
8	58	H	<20	TS		01.20	00.00	700	6H	1	3.74	40	
9	58	H	20	TS		01.20	00.00	700	UBH	5	1.54	40	
11	58	H	28	TS		01.10	00.00	720	UBH	1	2.50	11	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
12	58	H	<20	TS		01.50	00.00	720	UBH	1	2.04	11	
13	58	H	23	TS		05.40	00.00	720	UBH	1	2.74	11	
14	58	H	28	TS		01.10	00.00	720	UBH	1	1.87	11	
15	58	H	22	TS		01.20	00.00	720	UBH	1	1.42	11	
16	58	H	31	TS		02.10	00.00	720	UBH	1	2.86	11	
17	58	H	<20	TS		02.10	00.00	720	UBH	1	3.24	11	
18	58	H	31	TS		02.60	00.00	720	UBH	1	5.19	11	
19	58	H	26	TS		02.00	00.00	720	UBH	1	2.79	11	
20	58	H	<20	TS		02.40	00.00	720	UBH	1	2.33	11	
21	58	H	37	TS		01.50	00.00	720	UBH	1	1.67	11	
22	58	H	27	TS		01.80	00.00	720	UBH	1	7.45	11	
24	58	H	<20	TS		01.40	00.00	720	UBH	1	2.45	11	
25	58	H	<20	TS		01.00	00.00	720	UBH	1	1.81	11	
27	58	H	<20	TS		01.40	00.00	720	UBH	1	2.02	11	
28	58	H	SQRL	TS		-09.30	-05.70	720	1H	5	0.49	42	
30	58	H	<20	TS		00.90	00.00	720	UBH	1	2.39	11	
31	58	H	<20	TS		02.30	00.00	720	UBH	1	1.38	11	
32	58	H	23	TS		02.30	00.00	720	UBH	1	1.32	11	
38	58	H	<20	TS		01.00	00.00	720	UBH	1	1.23	11	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
41	58	H	<20	V1		00.00	00.00	720	UBH	5	0.99	12	
41	58	H	<20	V2		00.00	00.00	720	UBH	5	0.93	12	
41	58	H	<20	V3		00.00	00.00	720	UBH	5	1.03	12	
41	58	H	<20	V4		00.00	00.00	720	UBH	5	0.97	12	
42	58	H	39	3		03.60	00.00	720	UBH	5	2.00	12	
42	58	H	40	6		00.00	00.00	720	UBH	5	7.82	12	
42	58	H	<20	V1		00.00	00.00	720	UBH	5	1.33	12	
42	58	H	<20	V2		00.00	00.00	720	UBH	5	1.39	12	
42	58	H	<20	V3		00.00	00.00	720	UBH	5	1.44	12	
42	58	H	<20	V4		00.00	00.00	720	UBH	5	1.20	12	
43	58	H	<20	1		03.30	00.00	720	UBH	5	0.96	12	
43	58	H	24	6		00.00	00.00	720	UBH	5	2.46	12	
43	58	H	<20	V1		00.00	00.00	720	UBH	5	1.81	12	
43	58	H	<20	V3		00.00	00.00	720	UBH	5	1.12	12	
43	58	H	<20	V4		00.00	00.00	720	UBH	5	1.67	12	
8	59	H	20	TS		01.80	00.00	700	UBH	1	1.98	40	
9	59	H	20	TS		02.10	00.00	700	UBH	1	2.47	40	
12	59	H	<20	TS		04.80	00.00	720	UBH	5	0.84	12	
13	59	H	<20	TS		03.60	00.00	720	UBH	5	1.95	12	
14	59	H	<20	TS		02.00	00.00	720	UBH	5	1.35	12	
14	59	H	<20	TS		03.90	00.00	720	UBH	5	3.03	12	
15	59	H	31	TS		01.80	00.00	720	UBH	5	0.83	12	
17	59	H	38	TS		03.00	00.00	720	UBH	5	1.44	12	
18	59	H	39	TS		02.70	00.00	720	UBH	5	1.67	12	
19	59	H	31	TS		03.10	00.00	720	UBH	5	1.90	12	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	59	H	20	TS		04.20	00.00	720	UBH	5	1.59	12	
21	59	H	<20	TS		04.20	00.00	720	UBH	5	2.54	12	
21	59	H	28	TS		09.30	00.00	720	UBH	5	0.70	12	
22	59	H	<20	TS		03.90	00.00	720	UBH	5	3.68	12	
22	59	H	<20	V2		00.00	00.00	720	UBH	5	0.96	12	
23	59	H	<20	TS		03.60	00.00	720	UBH	5	1.69	12	
23	59	H	<20	V3		00.00	00.00	720	UBH	5	1.15	12	
24	59	H	20	TS		02.50	00.00	720	UBH	5	3.23	12	
24	59	H	30	TS		08.20	00.00	720	UBH	1	2.12	12	
24	59	H	39	TS		08.70	00.00	720	UBH	5	1.25	12	
25	59	H	<20	TS		03.90	00.00	720	UBH	5	1.14	12	
25	59	H	<20	V2		00.00	00.00	720	UBH	5	1.83	12	
27	59	H	<20	TS		01.50	00.00	720	UBH	5	2.20	12	
27	59	H	<20	TS		02.20	00.00	720	UBH	5	0.93	12	
30	59	H	<20	V2		00.00	00.00	720	UBH	5	1.88	12	
34	59	H	<20	V2		00.00	00.00	720	UBH	5	1.28	12	
34	59	H	<20	V3		00.00	00.00	720	UBH	5	1.20	12	
36	59	H	<20	V3		00.00	00.00	720	UBH	5	1.53	12	
43	59	H	<20	V1		00.00	00.00	720	UBH	5	1.56	12	
43	59	H	<20	V2		00.00	00.00	720	UBH	5	0.76	12	
43	59	H	<20	V4		00.00	00.00	720	UBH	5	1.38	12	
4	60	H	34	TS		04.50	00.00	700	UBH	5	1.15	40	
7	60	H	31	TS		02.10	00.00	700	UBH	1	1.07	40	
8	60	H	<20	TS		02.10	00.00	700	UBH	1	2.24	40	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	60	H	<20	TS		01.40	00.00	700	UBH	1	3.03	26	
9	60	H	<20	TS		01.80	00.00	700	UBH	5	1.93	40	
10	60	H	<20	TS		04.40	00.00	700	UBH	1	2.48	26	
10	60	H	<20	TS		05.00	00.00	700	UBH	5	1.15	40	
13	60	H	27	TS		01.20	00.00	720	1H	1		42	
14	60	H	<20	TS		03.90	00.00	720	UBH	5	1.00	12	
15	60	H	32	TS		01.20	00.00	720	1H	1		42	
16	60	H	<20	TS		03.00	00.00	720	UBH	5	2.16	12	
17	60	H	30	TS		02.70	00.00	720	UBH	5	2.22	12	
18	60	H	<20	TS		01.50	00.00	720	UBH	5	0.44	12	
18	60	H	21	TS		02.40	00.00	720	1H	1		42	
19	60	H	34	TS		02.40	00.00	720	UBH	5	1.54	12	
20	60	H	26	TS		03.60	00.00	720	UBH	5	1.94	12	
21	60	H	38	TS		02.40	00.00	720	UBH	5	4.05	12	
21	60	H	<20	6		00.00	00.00	720	UBH	5	5.39	12	
22	60	H	<20	TS		01.30	00.00	720	UBH	5	1.23	12	
22	60	H	<20	TS		03.00	00.00	720	UBH	5	2.70	12	
24	60	H	62	TS		01.00	00.00	720	TSH	1	2.43	44	
25	60	H	<20	TS		01.50	00.00	720	UBH	5	1.01	12	
26	60	H	<20	TS		04.00	00.00	720	UBH	5	0.60	12	
26	60	H	<20	TS		08.10	00.00	720	UBH	5	1.17	12	
27	60	H	<20	TS		00.00	00.00	720	UBH	5	3.76	12	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
27	60	H	<20	V2		00.00	00.00	720	UBH	5	1.50	12	
30	60	H	44	TS		00.00	00.00	720	UBH	5	2.04	12	
31	60	H	<20	V4		00.00	00.00	720	UBH	5	2.09	12	
32	60	H	<20	TS		00.00	00.00	720	UBH	5	4.31	12	
40	60	H	35	6		07.50	00.00	720	UBH	5	1.28	12	
8	61	H	<20	TS		01.80	00.00	700	UBH	1	1.51	40	
9	61	H	20	TS		01.80	00.00	700	UBH	1	1.75	40	
10	61	H	37	TS		01.20	00.00	700	UBH	1	1.54	40	
11	61	H	25	TS		01.30	00.00	720	UBH	1	4.98	12	
12	61	H	<20	TS		00.90	00.00	720	UBH	1	5.95	12	
12	61	H	28	TS		02.10	00.00	720	UBH	1	2.73	12	
13	61	H	21	TS		01.70	00.00	720	UBH	1	2.14	12	
13	61	H	33	TS		02.00	00.00	720	UBH	1	2.32	12	
14	61	H	32	TS		01.50	00.00	720	UBH	1	3.39	12	
15	61	H	24	TS		02.40	00.00	720	UBH	5	3.76	12	
16	61	H	24	TS		03.00	00.00	720	UBH	5	4.01	12	
17	61	H	<20	TS		02.40	00.00	720	UBH	5	2.61	12	
18	61	H	27	TS		02.70	00.00	720	UBH	5	1.95	12	
19	61	H	44	TS		01.80	00.00	720	UBH	5	1.27	12	
20	61	H	39	TS		01.20	00.00	720	UBH	5	1.67	12	

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ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	61	H	<20	TS		02.10	00.00	720	UBH	5	3.12	12	
22	61	H	<20	V3		00.00	00.00	720	UBH	5	1.18	12	
23	61	H	<20	TS		00.80	00.00	720	UBH	5	0.71	12	
24	61	H	<20	TS		04.20	00.00	720	UBH	5	1.02	12	
25	61	H	<20	TS		01.20	00.00	720	UBH	5	1.37	12	
25	61	H	<20	TS		35.10	00.00	720	UBH	5	1.35	12	
26	61	H	<20	TS		03.30	00.00	720	UBH	5	1.38	12	
26	61	H	<20	V3		00.00	00.00	720	UBH	5	1.68	12	
27	61	H	<20	TS		03.60	00.00	720	UBH	5	0.79	12	
29	61	H	<20	TS		01.30	00.00	720	UBH	5	1.01	12	
30	61	H	30	TS		01.50	00.00	720	UBH	5	0.91	12	
30	61	H	<20	TS		02.70	00.00	720	UBH	5	0.92	12	
34	61	H	<20	V2		00.00	00.00	720	UBH	5	1.03	12	
34	61	H	<20	V3		00.00	00.00	720	UBH	5	2.00	12	
34	61	H	<20	V4		00.00	00.00	720	UBH	5	2.00	12	
41	61	H	<20	V2		00.00	00.00	720	UBH	5	0.53	12	
9	62	H	<20	TS		00.00	00.00	700	UBH	5	2.72	40	
11	62	H	<20	TS		01.10	00.00	720	UBH	1	4.51	12	
12	62	H	25	TS		01.00	00.00	720	UBH	1	1.78	12	
12	62	H	30	TS		01.80	00.00	720	UBH	1	2.51	12	
13	62	H	22	TS		01.90	00.00	720	UBH	1	5.13	12	
14	62	H	25	TS		01.00	00.00	720	UBH	1	4.82	12	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	62	H	32	TS		02.20	00.00	720	UBH	1	3.04	12	
14	62	H	35	TS		03.00	00.00	720	UBH	1	6.10	12	
15	62	H	23	TS		00.80	00.00	720	UBH	1	1.67	12	
15	62	H	21	TS		02.00	00.00	720	UBH	1	3.11	12	
15	62	H	33	TS		02.50	00.00	720	UBH	1	4.60	12	
16	62	H	24	TS		01.20	00.00	720	UBH	1	2.00	12	
16	62	H	20	TS		01.80	00.00	720	UBH	1	4.81	12	
17	62	H	28	TS		01.80	00.00	720	UBH	1	4.01	12	
18	62	H	26	TS		01.90	00.00	720	UBH	1	3.00	12	
19	62	H	35	TS		02.00	00.00	720	UBH	1	2.73	12	
20	62	H	35	TS		02.00	00.00	720	UBH	1	2.27	12	
22	62	H	30	TS		00.90	00.00	720	UBH	1	2.50	12	
23	62	H	<20	TS		01.50	00.00	720	UBH	1	1.85	12	
24	62	H	40	TS		01.20	00.00	720	UBH	1	4.11	12	
25	62	H	23	TS		01.20	00.00	720	UBH	1	3.04	12	
28	62	H	<20	TS		00.60	00.00	720	UBH	1	1.87	13	
30	62	H	29	TS		01.80	00.00	720	UBH	1	0.92	13	
10	63	H	27	TS		02.80	00.00	720	TSH	1	1.36	45	
11	63	H	28	TS		01.80	00.00	720	UBH	1	1.64	13	
12	63	H	<20	TS		01.20	00.00	720	UBH	1	1.91	13	
12	63	H	24	TS		01.80	00.00	720	UBH	1	3.14	13	
13	63	H	<20	TS		00.80	00.00	720	UBH	1	3.72	13	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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13	63	H	36	TS		01.90	00.00	720	UBH	1	3.72	13	
13	63	H	22	TS		02.70	00.00	720	UBH	1	4.57	13	
15	63	H	<20	TS		02.00	00.00	720	UBH	1	3.47	13	
15	63	H	57	TS		02.40	00.00	720	1H	1	1.63	42	
16	63	H	35	TS		01.80	00.00	720	UBH	1	3.34	13	
16	63	H	26	TS		02.30	00.00	720	UBH	1	3.38	13	
17	63	H	22	TS		01.60	00.00	720	UBH	1	2.70	13	
17	63	H	22	TS		02.00	00.00	720	UBH	1	1.50	13	
18	63	H	24	TS		01.60	00.00	720	UBH	1	2.19	13	
19	63	H	25	TS		01.50	00.00	720	UBH	1	2.63	13	
19	63	H	23	TS		02.60	00.00	720	UBH	1	2.32	13	
20	63	H	<20	TS		01.50	00.00	720	UBH	1	3.62	13	
21	63	H	25	TS		01.70	00.00	720	UBH	1	1.36	13	
21	63	H	<20	TS		02.70	00.00	720	UBH	1	1.98	13	
22	63	H	<20	TS		00.80	00.00	720	UBH	1	4.73	13	
22	63	H	28	TS		01.40	00.00	720	UBH	1	2.44	13	
23	63	H	<20	TS		01.40	00.00	720	UBH	1	2.83	13	
24	63	H	32	TS		00.30	00.00	720	UBH	1	3.16	13	
24	63	H	35	TS		01.40	00.00	720	UBH	1	3.01	13	
27	63	H	23	TS		01.10	00.00	720	UBH	1	2.40	13	
27	63	H	29	TS		03.10	00.00	720	UBH	1	1.97	13	
28	63	H	<20	TS		02.70	00.00	720	UBH	1	1.76	13	
4	64	H	<20	TS		06.70	00.00	700	TSH	1	2.00	46	
5	64	H	<20	TS		00.60	00.00	700	TSH	5	1.96	46	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	64	H	<20	TS		00.80	00.00	700	6H	5	3.08	24	
8	64	H	32	1		00.00	00.00	720	TSH	5	1.97	45	
11	64	H	<20	TS		02.10	00.00	720	UBH	1	2.34	13	
12	64	H	28	TS		02.40	00.00	720	1H	1		42	
13	64	H	22	TS		01.90	00.00	720	UBH	1	5.72	13	
14	64	H	43	TS		02.70	00.00	720	UBH	1	3.30	13	
15	64	H	60	TS		01.20	00.00	720	1H	1	1.47	42	
15	64	H	38	TS		01.70	00.00	720	UBH	1	1.94	13	
15	64	H	27	TS		02.40	00.00	720	UBH	1	2.58	13	
16	64	H	32	TS		01.90	00.00	720	UBH	1	2.38	13	
16	64	H	<20	TS		02.30	00.00	720	UBH	1	2.01	13	
17	64	H	22	TS		00.90	00.00	720	UBH	1	2.10	13	
17	64	H	27	TS		01.60	00.00	720	UBH	1	1.96	13	
17	64	H	29	TS		02.10	00.00	720	UBH	1	3.30	13	
19	64	H	22	TS		01.50	00.00	720	UBH	1	3.07	13	
20	64	H	<20	TS		01.30	00.00	720	UBH	1	2.72	13	
22	64	H	37	TS		01.00	00.00	720	UBH	1	1.07	13	
25	64	H	SQRL	TS		-11.10	-05.70	720	1H	5	0.95	42	
28	64	H	<20	TS		-20.00	-22.00	720	UBH	1	2.01	13	
36	64	H	22	6		04.20	00.00	720	UBH	5	1.43	13	
9	65	H	29	TS		00.90	00.00	700	UBH	5	1.89	24	
10	65	H	<20	TS		01.10	00.00	720	TSH	1	1.51	45	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	65	H	40	TS		13.10	00.00	720	TSH	1	1.26	45	
11	65	H	25	TS		01.80	00.00	720	UBH	1	2.02	13	
12	65	H	41	TS		01.20	00.00	720	UBH	1	2.02	13	
12	65	H	28	TS		02.10	00.00	720	UBH	1	4.20	13	
13	65	H	24	TS		01.60	00.00	720	UBH	1	3.49	13	
14	65	H	22	TS		01.50	00.00	720	UBH	1	1.30	13	
14	65	H	22	TS		02.40	00.00	720	UBH	1	2.22	13	
15	65	H	33	TS		01.20	00.00	720	UBH	1	2.57	13	
16	65	H	29	TS		01.30	00.00	720	UBH	1	2.93	13	
17	65	H	26	TS		01.20	00.00	720	UBH	1	3.86	13	
18	65	H	24	TS		01.30	00.00	720	UBH	1	2.24	13	
19	65	H	22	TS		01.80	00.00	720	UBH	1	2.75	13	
20	65	H	<20	TS		01.50	00.00	720	UBH	1	3.09	13	
21	65	H	22	TS		02.20	00.00	720	UBH	1	2.28	13	
22	65	H	<20	TS		01.50	00.00	720	UBH	1	2.02	13	
23	65	H	<20	TS		03.10	00.00	720	UBH	1	1.42	13	
24	65	H	<20	TS		00.70	00.00	720	UBH	1	2.24	13	
25	65	H	<20	TS		03.00	00.00	720	UBH	1	1.49	13	
9	66	H	33	TS		00.70	00.00	720	TSH	1	0.82	45	
11	66	H	<20	TS		01.20	00.00	720	UBH	1	2.49	13	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	66	H	32	TS		01.80	00.00	720	UBH	1	2.21	13	
12	66	H	42	TS		01.50	00.00	720	UBH	1	1.63	13	
12	66	H	28	TS		01.60	00.00	720	UBH	1	1.40	13	
12	66	H	42	TS		02.10	00.00	720	UBH	1	6.46	13	
13	66	H	27	TS		01.50	00.00	720	UBH	1	2.18	13	
13	66	H	40	TS		02.10	00.00	720	UBH	1	2.17	13	
14	66	H	40	TS		01.50	00.00	720	UBH	1	3.01	13	
15	66	H	28	TS		01.60	00.00	720	UBH	1	3.83	13	
16	66	H	44	TS		01.80	00.00	720	UBH	1	5.78	13	
17	66	H	38	TS		00.80	00.00	720	UBH	1	2.87	13	
17	66	H	42	TS		01.80	00.00	720	UBH	1	2.00	13	
18	66	H	26	TS		01.00	00.00	720	UBH	1	1.60	13	
18	66	H	26	TS		01.30	00.00	720	UBH	1	1.38	13	
19	66	H	22	TS		02.00	00.00	720	UBH	1	1.56	13	
20	66	H	<20	TS		02.10	00.00	720	UBH	1	2.24	13	
21	66	H	29	TS		01.80	00.00	720	UBH	1	1.72	13	
27	66	H	<20	V1		00.00	00.00	720	UBH	1	1.79	14	
32	66	H	42	TS		02.10	00.00	720	UBH	1	2.05	14	
36	66	H	<20	V2		00.00	00.00	720	UBH	1	3.25	14	
10	67	H	27	TS		02.20	00.00	720	TSH	1	2.50	45	
11	67	H	27	TS		01.40	00.00	720	UBH	1	2.71	14	
11	67	H	<20	TS		02.10	00.00	720	UBH	1	1.23	14	

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	67	H	24	TS		00.60	00.00	720	UBH	1	3.02	14	
12	67	H	32	TS		01.40	00.00	720	UBH	1	3.62	14	
12	67	H	27	TS		02.10	00.00	720	UBH	1	2.40	14	
13	67	H	<20	TS		01.20	00.00	720	UBH	1	3.15	14	
13	67	H	<20	TS		02.10	00.00	720	UBH	1	3.73	14	
14	67	H	29	TS		00.90	00.00	720	UBH	1	1.72	14	
14	67	H	24	TS		01.30	00.00	720	UBH	1	2.22	14	
14	67	H	27	TS		01.90	00.00	720	UBH	1	2.55	14	
15	67	H	34	TS		01.10	00.00	720	UBH	1	1.48	14	
15	67	H	38	TS		01.70	00.00	720	UBH	1	2.56	14	
16	67	H	28	TS		01.10	00.00	720	UBH	1	6.62	14	
17	67	H	<20	TS		00.40	00.00	720	UBH	1	2.12	14	
17	67	H	35	TS		01.00	00.00	720	UBH	1	2.94	14	
17	67	H	25	TS		01.80	00.00	720	UBH	1	1.11	14	
18	67	H	33	TS		01.10	00.00	720	UBH	1	3.80	14	
20	67	H	<20	TS		00.00	00.00	720	UBH	5	5.57	14	
21	67	H	<20	TS		00.50	00.00	720	UBH	1	1.64	14	
21	67	H	<20	TS		01.80	00.00	720	UBH	1	0.99	14	
21	67	H	<20	TS		03.40	00.00	720	UBH	1	1.44	14	
22	67	H	23	TS		02.00	00.00	720	UBH	1	2.67	14	
24	67	H	<20	TS		03.40	00.00	720	UBH	1	1.81	14	
26	67	H	<20	2		00.00	00.00	720	UBH	5	14.60	14	
31	67	H	<20	TS		00.30	00.00	720	UBH	1	1.37	14	
32	67	H	<20	TS		01.20	00.00	720	UBH	1	1.29	14	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
40	67	H	31	V1		00.00	00.00	720	UBH	1	1.73	14	
10	68	H	33	TS		01.50	00.00	720	TSH	1	3.07	45	
12	68	H	26	TS		02.10	00.00	720	UBH	1	2.55	14	
13	68	H	<20	TS		01.00	00.00	720	UBH	1	0.98	14	
13	68	H	<20	TS		01.90	00.00	720	UBH	1	3.09	14	
14	68	H	<20	TS		01.30	00.00	720	UBH	1	2.15	14	
14	68	H	37	TS		02.00	00.00	720	UBH	1	1.62	14	
14	68	H	23	TS		02.10	00.00	720	UBH	1	1.84	14	
15	68	H	42	TS		00.70	00.00	720	UBH	1	1.24	14	
15	68	H	37	TS		01.40	00.00	720	UBH	1	4.56	14	
16	68	H	41	TS		01.10	00.00	720	UBH	1	7.30	14	
17	68	H	23	TS		00.80	00.00	720	UBH	1	3.60	14	
18	68	H	52	TS		00.80	00.00	720	1H	1	1.66	42	
19	68	H	23	TS		00.40	00.00	720	UBH	1	1.23	14	
32	68	H	41	TS		00.30	00.00	720	UBH	1	3.02	14	
32	68	H	42	TS		00.90	00.00	720	UBH	5	0.78	14	
32	68	H	47	6		04.80	00.00	720	UBH	1	1.62	14	
9	69	H	31	TS		01.20	00.00	720	TSH	1	2.20	45	
11	69	H	24	TS		01.50	00.00	720	UBH	1	1.36	14	
11	69	H	<20	TS		02.20	00.00	720	UBH	1	1.32	14	
11	69	H	<20	TS		04.30	00.00	720	UBH	1	2.30	14	
13	69	H	<20	TS		01.40	00.00	720	UBH	1	2.81	14	
13	69	H	<20	TS		02.10	00.00	720	UBH	1	2.63	14	
14	69	H	<20	TS		00.50	00.00	720	UBH	1	1.92	14	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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14	69	H	44	TS		01.40	00.00	720	UBH	1	0.94	14	
14	69	H	23	TS		01.70	00.00	720	UBH	1	2.21	14	
15	69	H	<20	TS		00.70	00.00	720	UBH	1	2.49	14	
15	69	H	<20	TS		01.50	00.00	720	UBH	1	1.85	14	
17	69	H	<20	TS		00.60	00.00	720	UBH	1	3.46	14	
17	69	H	<20	TS		01.70	00.00	720	UBH	1	1.76	14	
24	69	H	<20	TS		00.90	00.00	720	UBH	1	1.60	14	
24	69	H	<20	TS		01.80	00.00	720	UBH	1	1.40	14	
24	69	H	35	6		03.90	00.00	720	UBH	5	1.21	14	
30	69	H	<20	TS		03.30	00.00	720	UBH	1	1.68	14	
31	69	H	26	TS		00.80	00.00	720	UBH	1	2.14	14	
34	69	H	<20	6		19.60	00.00	720	UBH	1	1.23	14	
35	69	H	24	6		08.30	00.00	720	UBH	1	2.76	14	
8	70	H	27	TS		-20.80	-22.00	720	TSH	1	2.71	45	
9	70	H	29	TS		00.80	00.00	720	TSH	1	2.26	45	
10	70	H	28	TS		01.10	00.00	720	TSH	1	3.57	45	
11	70	H	34	TS		01.60	00.00	700	UBH	1	1.44	26	
12	70	H	38	TS		00.90	00.00	720	UBH	1	1.23	14	
13	70	H	38	TS		01.30	00.00	720	UBH	1	2.00	14	
14	70	H	<20	TS		00.70	00.00	720	UBH	1	2.61	14	
15	70	H	38	TS		01.50	00.00	720	UBH	1	1.25	14	
19	70	H	27	6		05.00	00.00	720	UBH	1	2.27	14	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	70	H	<20	2		00.00	00.00	720	UBH	5	7.18	14	
24	70	H	<20	V1		00.00	00.00	720	UBH	1	4.57	14	
30	70	H	28	TS		03.30	00.00	720	UBH	1	1.16	15	
35	70	H	24	6		16.30	00.00	720	UBH	1	1.95	15	
4	71	H	<20	1		04.30	00.00	700	TSH	5	1.24	46	
9	71	H	22	TS		-21.40	-22.00	720	TSH	1	1.23	45	
10	71	H	<20	TS		01.10	00.00	700	TSH	1	1.97	46	
12	71	H	<20	TS		00.70	01.50	720	UBH	1	1.88	15	
13	71	H	<20	TS		00.70	00.00	720	UBH	1	1.43	15	
13	71	H	<20	TS		01.50	00.00	720	UBH	1	1.77	15	
14	71	H	<20	TS		05.60	00.00	720	UBH	1	2.08	15	
31	71	H	<20	TS		00.80	00.00	720	UBH	5	0.86	15	
3	72	H	<20	4		40.00	00.00	720	UBH	5	0.97	50	
10	72	H	<20	TS		01.90	00.00	700	TSH	5	1.13	46	
10	72	H	<20	TS		04.60	00.00	700	TSH	5	1.15	46	
11	72	H	<20	TS		01.70	00.00	720	6H	1	1.40	15	
12	72	H	<20	TS		00.80	00.00	720	UBH	1	2.72	15	
12	72	H	<20	TS		01.70	00.00	720	UBH	1	1.28	15	
13	72	H	43	TS		01.20	00.00	720	UBH	1	1.87	15	
14	72	H	<20	TS		01.60	00.00	720	UBH	1	1.65	15	
14	72	H	<20	TS		05.90	00.00	720	UBH	1	0.91	15	

ROW ---	COL ---	LEG ---	INDIC -----	LDC ---	LUC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL -----	TURNS -----
14	72	H	33	6		05.30	00.00	720	UBH	5	1.14	15	
15	72	H	<20	TS		00.80	00.00	720	UBH	1	1.96	15	
15	72	H	<20	TS		01.70	00.00	720	UBH	1	1.02	15	
16	72	H	SQRL	TS		-05.20	-22.00	720	1H	1	0.30	42	
21	72	H	<20	TS		01.10	00.00	720	UBH	1	1.74	15	
32	72	H	32	6		12.10	00.00	720	UBH	5	1.26	15	
38	72	H	27	VI		00.00	00.00	720	UBH	1	1.77	15	
8	73	H	27	TS		-21.10	-22.00	720	TSH	1	2.46	45	
9	73	H	<20	TS		-18.30	-22.00	720	TSH	1	1.60	45	
10	73	H	<20	TS		01.00	00.00	700	TSH	5	1.12	46	
12	73	H	<20	TS		04.70	00.00	720	UBH	1	1.37	15	
13	73	H	<20	TS		01.70	00.00	720	UBH	1	2.28	15	
14	73	H	20	TS		02.60	00.00	720	UBH	1	2.32	15	
15	73	H	25	TS		00.70	00.00	720	UBH	1	1.28	15	
24	73	H	37	6		19.70	00.00	720	UBH	5	1.15	15	
24	73	H	<20	6		96.00	00.00	720	UBH	5	1.34	15	
28	73	H	25	6		05.40	00.00	720	UBH	5	1.75	15	
28	73	H	<20	6		08.50	00.00	720	UBH	5	1.05	15	
29	73	H	26	VI		00.00	00.00	720	UBH	5	1.02	15	
30	73	H	<20	TS		00.70	00.00	720	UBH	1	2.55	15	
30	73	H	<20	TS		02.00	00.00	720	UBH	1	2.60	15	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	73	H	20	TS		00.50	00.00	720	UBH	1	2.05	15	
36	73	H	38	6		05.60	00.00	720	UBH	5	1.01	15	
11	74	H	<20	TS		01.00	00.00	720	UBH	1	2.08	15	
12	74	H	<20	TS		01.40	00.00	720	UBH	1	1.17	15	
13	74	H	<20	TS		04.40	00.00	720	UBH	1	1.75	15	
14	74	H	24	TS		01.40	00.00	720	UBH	1	2.84	15	
15	74	H	<20	6		04.70	00.00	720	UBH	5	1.38	15	
16	74	H	<20	TS		01.40	00.00	720	UBH	1	1.48	15	
16	74	H	<20	TS		04.00	00.00	720	UBH	1	2.50	15	
18	74	H	<20	6		08.80	00.00	720	UBH	5	1.33	15	
30	74	H	<20	1		00.50	00.00	720	UBH	1	1.71	15	
35	74	H	<20	6		06.40	00.00	720	UBH	5	1.68	16	
8	75	H	<20	TS		17.60	00.00	720	TSH	1	1.79	45	
9	75	H	23	TS		01.60	00.00	720	TSH	1	1.28	45	
9	75	H	21	TS		03.70	00.00	720	TSH	1	1.87	45	
11	75	H	22	TS		01.00	00.00	720	UBH	1	2.22	16	
12	75	H	<20	TS		00.80	00.00	720	UBH	1	2.60	16	
12	75	H	32	TS		01.40	00.00	720	UBH	1	1.86	16	
13	75	H	<20	TS		00.50	00.00	720	UBH	1	5.86	16	
14	75	H	<20	TS		01.50	00.00	720	UBH	1	2.58	16	
19	75	H	<20	TS		01.40	00.00	720	UBH	1	1.42	16	

01/05

LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	75	H	63	TS		09.60	00.00	720	1H	1	4.31	42	
30	75	H	44	6		05.50	00.00	720	UBH	5	0.80	16	
30	75	H	30	6		08.50	00.00	720	UBH	5	0.68	16	
31	75	H	22	6		05.90	00.00	720	UBH	1	1.35	16	
33	75	H	26	V1		00.00	00.00	720	UBH	5	1.40	16	
3	76	H	<20	TS		29.40	00.00	720	UBH	5	1.16	50	
7	76	H	28	TS		00.60	00.00	720	TSH	1	2.82	45	
9	76	H	33	TS		07.80	00.00	720	TSH	1	0.80	45	
11	76	H	<20	TS		01.10	00.00	720	UBH	1	2.86	16	
12	76	H	<20	TS		00.70	00.00	720	UBH	1	2.08	16	
13	76	H	<20	TS		00.90	00.00	720	UBH	1	2.11	16	
13	76	H	<20	TS		02.10	00.00	720	UBH	1	1.88	16	
13	76	H	21	6		03.40	00.00	720	UBH	5	0.97	16	
14	76	H	<20	TS		00.60	00.00	720	6H	1	3.93	50	
15	76	H	<20	TS		00.80	00.00	720	UBH	1	1.84	16	
16	76	H	<20	TS		01.50	00.00	720	UBH	1	1.74	16	
18	76	H	70	TS		10.30	00.00	720	1H	1	9.27	42	
20	76	H	51	TS		09.20	00.00	720	1H	1	1.03	42	
27	76	H	<20	6		15.90	00.00	720	UBH	5	1.13	16	
27	76	H	42	6		18.60	00.00	720	UBH	5	1.65	16	
27	76	H	24	6		22.50	00.00	720	UBH	5	1.87	16	
27	76	H	34	6		26.70	00.00	720	UBH	5	1.99	16	

01/09

LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	76	H	21	6		00.00	00.00	720	UBH	5	2.39	16	
29	76	H	26	6		05.10	00.00	720	UBH	5	0.65	16	
31	76	H	36	6		13.20	00.00	720	UBH	1	1.46	39	
33	76	H	41	V2		00.00	00.00	720	UBH	5	0.83	16	
10	77	H	<20	TS		01.20	00.00	720	UBH	5	0.99	50	
12	77	H	26	TS		00.50	00.00	720	UBH	1	2.96	16	
15	77	H	<20	TS		00.90	00.00	720	UBH	1	1.67	16	
16	77	H	78	TS		15.00	00.00	720	1H	1	4.12	42	
17	77	H	23	6		07.20	00.00	720	UBH	1	2.02	16	
29	77	H	<20	6		14.90	00.00	720	UBH	1	2.27	16	
30	77	H	33	6		29.10	00.00	720	UBH	1	2.42	16	
30	77	H	<20	6		34.30	00.00	720	UBH	1	3.93	16	
34	77	H	24	5		00.00	00.00	720	UBH	5	3.58	16	
34	77	H	50	V2		00.00	00.00	720	UBH	5	1.17	16	
9	78	H	<20	TS		00.40	00.00	700	UBH	1	2.28	25	
10	78	H	<20	TS		00.90	00.00	700	UBH	1	1.38	25	
14	78	H	<20	TS		01.30	00.00	720	UBH	1	1.65	16	
16	78	H	<20	TS		01.20	00.00	720	UBH	1	2.43	16	
16	78	H	<20	V3		00.00	00.00	720	UBH	5	2.33	16	
17	78	H	26	6		04.00	00.00	720	UBH	5	1.78	16	
23	78	H	81	TS		02.10	00.00	720	1H	1	5.12	42	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	78	H	<20	6		06.50	00.00	720	UBH	5	1.47	16	
25	78	H	<20	V3		00.00	00.00	720	UBH	5	1.90	16	
26	78	H	22	6		19.20	00.00	720	UBH	1	2.39	16	
27	78	H	31	6		09.10	00.00	720	UBH	1	2.82	16	
27	78	H	32	6		15.40	00.00	720	UBH	1	3.64	16	
29	78	H	<20	6		11.10	00.00	720	UBH	5	1.99	16	
29	78	H	25	6		16.80	00.00	720	UBH	1	1.57	16	
13	79	H	<20	TS		02.70	00.00	720	UBH	1	3.47	16	
13	79	H	26	TS		11.50	00.00	720	UBH	1	1.35	16	
14	79	H	<20	6		06.30	00.00	720	UBH	5	1.01	16	
16	79	H	<20	V2		00.00	00.00	720	UBH	5	1.64	16	
18	79	H	81	TS		06.00	00.00	720	1H	1	6.77	42	
21	79	H	20	6		09.70	00.00	720	UBH	5	0.89	16	
25	79	H	22	TS		00.70	00.00	720	UBH	1	1.56	16	
25	79	H	<20	6		04.30	00.00	720	UBH	5	1.24	16	
26	79	H	<20	6		05.40	00.00	720	UBH	5	1.07	16	
27	79	H	43	6		07.00	00.00	720	UBH	5	1.03	16	
30	79	H	<20	2		00.90	00.00	720	UBH	5	2.34	16	
30	79	H	24	3		01.60	00.00	720	UBH	5	2.46	16	
8	80	H	<20	TS		01.60	00.00	700	UBH	1	1.13	25	
10	80	H	<20	TS		02.10	00.00	700	UBH	5	0.61	40	
12	80	H	<20	TS		02.00	00.00	720	UBH	1	2.08	16	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE ---	CH --	VOLT -----	REEL -----	TURNS -----
13	80	H	<20	TS		02.40	00.00	720	UBH	1	1.57	16	
14	80	H	<20	TS		00.90	00.00	720	UBH	1	1.33	16	
18	80	H	34	6		05.60	00.00	720	UBH	5	1.01	16	
22	80	H	22	TS		00.60	00.00	720	UBH	1	2.65	16	
25	80	H	26	6		08.80	00.00	720	UBH	5	0.99	16	
25	80	H	<20	V3		00.00	00.00	720	UBH	5	1.88	16	
28	80	H	<20	5		00.00	00.00	720	UBH	5	4.00	16	
30	80	H	26	3		00.00	00.00	720	UBH	5	2.75	16	
30	80	H	<20	4		00.00	00.00	720	UBH	5	1.42	16	
30	80	H	33	5		00.00	00.00	720	UBH	5	2.35	16	
9	81	H	<20	TS		00.60	00.00	700	UBH	5	2.42	40	
9	81	H	<20	1		00.00	00.00	700	UBH	5	3.28	40	
10	81	H	<20	TS		01.20	00.00	700	UBH	1	0.86	40	
11	81	H	<20	TS		01.80	00.00	720	UBH	1	2.47	17	
12	81	H	<20	TS		01.00	00.00	720	UBH	1	2.04	17	
13	81	H	<20	TS		01.20	00.00	720	UBH	1	3.00	17	
17	81	H	22	6		09.40	00.00	720	UBH	5	1.80	17	
25	81	H	33	6		04.20	00.00	720	UBH	5	0.91	17	
30	81	H	29	3		00.90	00.00	720	UBH	5	1.87	16	
30	81	H	21	4		01.00	00.00	720	UBH	5	2.17	16	
30	81	H	<20	5		00.00	00.00	720	UBH	5	1.57	16	
30	81	H	21	6		00.00	00.00	720	UBH	5	2.29	16	
11	82	H	<20	TS		01.10	00.00	720	UBH	1	2.51	17	

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LISTING OF INDICATIONS FOR PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	82	H	<20	TS		01.00	00.00	720	UBH	1	1.34	17	
13	82	H	<20	TS		08.60	00.00	720	UBH	1	1.17	17	
16	82	H	<20	V2		00.00	00.00	720	UBH	5	1.28	17	
17	82	H	22	6		08.30	00.00	720	UBH	5	1.14	17	
17	82	H	<20	6		14.60	00.00	720	UBH	5	1.68	17	
17	82	H	21	6		16.80	00.00	720	UBH	5	1.05	17	
21	82	H	22	6		14.60	00.00	720	UBH	5	1.54	17	
23	82	H	<20	6		18.10	00.00	720	UBH	1	2.13	17	
8	83	H	49	TS		04.50	00.00	720	4H	1	0.80	50	
12	83	H	<20	TS		00.80	00.00	720	UBH	1	3.14	17	
13	83	H	<20	TS		01.10	00.00	720	UBH	1	1.93	17	
14	83	H	<20	6		07.70	00.00	720	UBH	5	0.83	17	
15	83	H	38	6		10.90	00.00	720	UBH	1	1.70	17	
17	83	H	38	6		05.80	00.00	720	UBH	5	0.69	17	
17	83	H	<20	6		11.50	00.00	720	UBH	1	2.04	17	
17	83	H	<20	6		15.10	00.00	720	UBH	5	1.22	17	
17	83	H	22	6		17.50	00.00	720	UBH	1	2.09	17	
25	83	H	<20	TS		18.70	00.00	720	UBH	5	1.62	17	
25	83	H	<20	V2		00.00	00.00	720	UBH	5	1.47	17	
25	83	H	22	V3		00.00	00.00	720	UBH	5	1.87	17	
3	84	H	29	TS		00.00	00.00	700	UBH	1	2.66	40	
15	84	H	<20	V1		03.30	00.00	720	UBH	5	1.60	17	
15	85	H	<20	V4		16.60	00.00	720	UBH	1	1.46	17	

01/09

LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	85	H	27	V4		17.40	00.00	720	UBH	1	2.32	17	
19	85	H	<20	6		13.00	00.00	720	UBH	1	2.29	17	
21	85	H	39	6		18.00	00.00	720	UBH	1	2.38	17	
12	86	H	22	6		07.30	00.00	720	UBH	1	1.36	17	
14	86	H	27	6		08.10	00.00	720	UBH	1	1.71	17	
14	86	H	24	6		09.70	00.00	720	UBH	1	2.81	17	
15	86	H	24	6		08.20	00.00	720	UBH	1	2.79	17	
11	87	H	22	6		05.90	00.00	720	UBH	5	1.10	17	
13	87	H	<20	6		02.70	00.00	720	UBH	5	0.79	17	
16	87	H	35	6		12.30	00.00	720	UBH	5	0.62	17	
16	87	H	<20	6		23.60	00.00	720	UBH	5	1.22	17	
17	87	H	24	6		63.30	00.00	720	UBH	5	1.49	17	
9	88	H	<20	6		03.80	00.00	700	UBH	1	4.03	41	
10	88	H	<20	4		00.00	00.00	700	UBH	5	5.22	41	
10	88	H	<20	5		00.00	00.00	700	UBH	5	5.05	41	
12	88	H	24	6		09.20	00.00	720	UBH	1	2.95	17	
14	88	H	<20	6		11.70	00.00	720	UBH	5	1.33	17	
13	89	H	<20	V1		00.00	00.00	720	UBH	1	2.63	18	
14	89	H	<20	6		10.40	00.00	720	UBH	1	1.64	18	
9	91	H	37	5		00.00	00.00	700	UBH	5	2.59	41	
11	91	H	<20	6		08.40	00.00	720	UBH	1	2.26	19	

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LISTING OF INDICATIONS F PL A HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	91	H	<20	6		11.40	00.00	720	UBH	5	2.11	19	
3	92	H	26	1		00.00	00.00	700	UBH	5	1.96	41	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	1	C	<20	1		00.60	00.00	720	6H	5	2.61	27	
8	1	C	46	1		00.60	00.00	720	6H	5	3.43	27	
8	1	C	29	2		00.40	00.00	720	6H	5	2.10	27	
8	2	C	34	1		00.60	00.00	720	6H	5	3.39	27	
8	2	C	22	2		00.00	00.00	720	6H	5	2.90	27	
8	2	C	29	3		00.10	00.00	720	6H	5	1.36	27	
9	2	C	42	1		00.60	00.00	720	6H	5	5.62	27	
9	2	C	39	2		00.90	00.00	720	6H	5	4.88	27	
9	2	C	32	3		00.00	00.00	720	6H	5	4.58	27	
9	2	C	21	4		00.60	00.00	720	6H	5	2.66	27	
10	2	C	41	1		00.50	00.00	720	6H	5	3.66	27	
10	2	C	38	2		00.90	00.00	720	6H	5	1.69	27	
10	2	C	23	3		00.40	00.00	720	6H	5	2.38	27	
10	2	C	28	4		00.60	00.00	720	6H	5	2.77	27	
10	2	C	26	5		01.30	00.00	720	6H	5	1.26	27	
10	2	C	24	6		00.10	00.00	720	6H	5	2.39	27	
11	2	C	36	1		00.60	00.00	720	6H	1	2.63	27	
11	2	C	34	2		00.90	00.00	720	6H	5	2.89	27	
11	2	C	24	3		00.90	00.00	720	6H	5	2.17	27	
11	2	C	26	4		00.60	00.00	720	6H	5	1.79	27	
11	2	C	21	5		00.90	00.00	720	6H	5	1.56	27	
12	2	C	40	1		02.10	00.00	720	6H	5	2.63	44	
12	2	C	33	2		01.20	00.00	720	6H	5	3.37	44	
12	2	C	23	3		00.00	00.00	720	6H	5	3.99	44	
8	3	C	27	1		00.40	00.00	720	6H	5	3.53	27	
8	3	C	24	2		00.50	00.00	720	6H	5	3.63	27	
9	3	C	36	1		00.80	00.00	720	6H	5	4.44	27	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	---	---	---	---	---	---	---	---	---	---	---
9	3	C	21	2		00.60	00.00	720	6H	6	4.45	27	
9	3	C	27	3		00.40	00.00	720	6H	6	6.18	27	
9	3	C	36	4		00.90	00.00	720	6H	6	1.38	27	
10	3	C	54	1		00.60	00.00	720	4H	5	3.91	44	
10	3	C	39	2		00.40	00.00	720	6H	5	3.22	27	
10	3	C	39	3		00.70	00.00	720	6H	5	5.57	27	
10	3	C	34	4		00.40	00.00	720	6H	5	2.31	27	
10	3	C	<20	5		00.60	00.00	720	6H	5	2.10	27	
11	3	C	30	1		01.20	00.00	720	6H	5	1.49	27	
11	3	C	29	2		01.20	00.00	720	6H	5	3.06	27	
11	3	C	27	3		01.20	00.00	720	6H	5	2.17	27	
11	3	C	23	4		02.10	00.00	720	6H	5	2.05	27	
11	3	C	23	5		00.40	00.00	720	6H	5	2.25	27	
13	3	C	43	1		00.90	00.00	720	6H	5	4.50	27	
13	3	C	38	2		00.30	00.00	720	6H	5	5.62	27	
13	3	C	29	3		00.90	00.00	720	6H	5	3.74	27	
13	3	C	<20	4		01.50	00.00	720	6H	5	1.33	27	
13	3	C	<20	5		00.90	00.00	720	6H	5	1.83	27	
14	3	C	31	1		00.60	00.00	720	6H	5	5.44	27	
14	3	C	29	2		00.60	00.00	720	6H	5	4.36	27	
14	3	C	<20	3		00.60	00.00	720	6H	5	2.85	27	
10	4	C	45	1		00.30	00.00	720	6H	5	2.52	27	
10	4	C	<20	2		00.90	00.00	720	6H	5	2.06	27	
10	4	C	20	3		00.60	00.00	720	6H	5	3.02	27	
11	4	C	38	1		00.90	00.00	720	6H	5	3.52	27	
11	4	C	29	2		00.60	00.00	720	6H	5	4.61	27	
11	4	C	28	3		00.60	00.00	720	6H	5	4.30	27	
11	4	C	20	4		00.50	00.00	720	6H	5	2.00	27	
12	4	C	35	2		00.60	00.00	720	6H	5	6.60	27	
12	4	C	28	3		00.90	00.00	720	6H	5	3.43	27	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	4	C	<20	4		00.30	00.00	720	6H	5	2.57	27	
13	4	C	36	1		00.60	00.00	720	6H	5	4.15	27	
13	4	C	29	2		00.30	00.00	720	6H	5	3.91	27	
13	4	C	27	3		00.30	00.00	720	6H	5	4.29	27	
14	4	C	35	1		00.90	00.00	720	6H	5	3.73	27	
14	4	C	<20	2		00.30	00.00	720	6H	5	3.58	27	
15	4	C	<20	1		00.60	00.00	720	6H	5	2.26	27	
3	6	C	<20	3		00.00	00.00	720	6H	5	3.69	44	
3	6	C	<20	4		00.00	00.00	720	6H	5	2.56	44	
3	7	C	<20	3		00.00	00.00	720	6H	5	2.57	44	
7	7	C	26	2		00.50	00.00	720	6H	5	2.05	27	
6	8	C	<20	5		00.00	00.00	720	6H	5	2.83	44	
26	9	C	32	6		25.80	00.00	720	6H	5	2.10	27	
4	10	C	22	TS		01.50	00.00	720	1H	5	1.50	27	
7	12	C	32	TS		00.00	00.00	720	1H	5	2.68	27	
12	12	C	30	TS		01.00	00.00	720	1H	5	0.86	27	
13	12	C	23	TS		00.90	00.00	720	1H	5	1.11	27	
28	12	C	<20	4		00.60	00.00	720	6H	5	3.46	27	
29	12	C	41	1		00.60	00.00	720	3H	5	2.97	27	
29	12	C	43	2		00.60	00.00	720	3H	5	9.02	27	
29	12	C	32	3		00.60	00.00	720	3H	5	7.09	27	
29	12	C	33	4		00.60	00.00	720	3H	5	4.89	27	
29	12	C	<20	5		00.40	00.00	720	3H	5	3.14	27	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	13	C	20	TS		01.80	00.00	720	1H	5	0.93	28	
6	13	C	37	TS		01.20	00.00	720	6H	5	1.89	28	
7	13	C	28	TS		01.20	00.00	720	1H	5	2.09	28	
8	13	C	<20	TS		01.20	00.00	720	1H	5	1.96	28	
9	13	C	29	TS		01.80	00.00	720	1H	5	0.95	28	
16	13	C	34	TS		00.00	00.00	720	1H	5	1.20	28	
28	13	C	21	4		00.00	00.00	720	6H	5	5.80	28	
29	13	C	44	1		00.00	00.00	720	6H	5	3.43	28	
29	13	C	28	2		00.00	00.00	720	6H	5	4.44	28	
29	13	C	38	3		00.00	00.00	720	6H	5	8.56	28	
29	13	C	33	4		00.00	00.00	720	6H	5	5.34	28	
30	13	C	38	1		00.00	00.00	720	6H	5	5.52	28	
30	13	C	34	2		00.00	00.00	720	6H	5	6.92	28	
30	13	C	41	3		00.00	00.00	720	6H	5	10.23	28	
30	13	C	42	4		00.00	00.00	720	6H	5	13.76	28	
30	13	C	25	5		00.00	00.00	720	6H	5	8.12	28	
5	14	C	37	TS		01.20	00.00	720	1H	1	0.96	28	
6	14	C	<20	TS		01.10	00.00	720	1H	1	4.50	28	
6	14	C	25	TS		09.00	00.00	720	1H	1	1.21	28	
7	14	C	45	TS		01.20	00.00	720	1H	1	2.53	28	
8	14	C	22	TS		01.20	00.00	720	1H	5	1.72	28	
9	14	C	21	TS		01.80	00.00	720	3H	1	2.18	44	
10	14	C	49	TS		01.00	00.00	720	2H	1	1.60	44	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	14	C	24	TS		01.90	00.00	720	1H	1	3.41	28	
11	14	C	45	TS		01.10	00.00	720	1H	1	1.31	28	
12	14	C	25	TS		00.90	00.00	720	1H	1	3.67	28	
13	14	C	<20	TS		00.70	00.00	720	1H	1	1.39	28	
15	14	C	65	TS		00.00	00.00	720	6H	5	2.02	44	
18	14	C	65	TS		00.00	00.00	720	2H	5	1.09	44	
29	14	C	22	3		00.00	00.00	720	6H	5	3.85	28	
29	14	C	25	4		00.00	00.00	720	6H	5	4.14	28	
30	14	C	34	1		00.00	00.00	720	6H	5	6.24	28	
30	14	C	28	2		00.00	00.00	720	6H	5	7.59	28	
30	14	C	29	3		00.00	00.00	720	6H	5	8.36	28	
30	14	C	38	4		00.00	00.00	720	6H	5	9.48	28	
30	14	C	26	5		00.00	00.00	720	6H	5	7.50	28	
2	15	C	38	TS		01.20	00.00	720	1H	5	1.80	28	
6	15	C	24	TS		03.80	00.00	720	1H	1	1.21	28	
8	15	C	36	TS		01.60	00.00	720	1H	1	0.92	28	
8	15	C	25	TS		03.10	00.00	720	1H	5	1.20	28	
9	15	C	44	TS		00.70	00.00	720	1H	1	1.91	28	
9	15	C	22	TS		01.40	00.00	720	1H	1	2.68	28	
9	15	C	28	TS		02.80	00.00	720	1H	1	1.66	28	
10	15	C	37	TS		00.70	00.00	720	1H	1	6.87	28	
11	15	C	<20	TS		01.40	00.00	720	1H	1	2.08	28	
12	15	C	34	TS		01.30	00.00	720	1H	1	1.56	28	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	----	----	-----
29	15	C	33	4		00.00	00.00	720	6H	5	6.65	28	
30	15	C	<20	2		00.00	00.00	720	6H	5	2.06	28	
30	15	C	<20	3		00.00	00.00	720	6H	5	4.80	28	
30	15	C	25	4		00.00	00.00	720	6H	5	5.73	28	
31	15	C	26	1		00.00	00.00	720	6H	5	3.90	28	
31	15	C	36	2		00.00	00.00	720	6H	5	7.40	28	
31	15	C	39	3		00.00	00.00	720	6H	5	8.73	28	
31	15	C	37	4		00.00	00.00	720	6H	5	8.25	28	
31	15	C	30	4		02.20	00.00	720	6H	5	3.46	28	
31	15	C	31	5		00.00	00.00	720	6H	5	6.02	28	
33	15	C	31	1		00.00	00.00	720	6H	5	2.52	28	
33	15	C	35	2		00.00	00.00	720	6H	5	7.02	28	
33	15	C	38	3		00.00	00.00	720	6H	5	10.15	28	
33	15	C	43	4		00.00	00.00	720	6H	5	9.91	28	
33	15	C	31	5		00.00	00.00	720	6H	5	7.84	28	
2	16	C	32	TS		03.10	00.00	720	1H	1	1.71	28	
4	16	C	37	TS		03.30	00.00	720	1H	1	1.03	28	
5	16	C	36	TS		01.40	00.00	720	1H	1	2.24	28	
6	16	C	51	TS		05.10	00.00	720	2H	1	1.36	44	
7	16	C	37	TS		05.00	00.00	720	1H	1	2.22	28	
9	16	C	51	TS		00.60	00.00	720	2H	1	1.11	44	
10	16	C	51	TS		01.50	00.00	720	2H	1	1.58	44	
11	16	C	42	TS		01.20	00.00	720	1H	5	0.75	28	
11	16	C	38	TS		01.80	00.00	720	1H	5	1.04	28	
12	16	C	23	TS		01.40	00.00	720	1H	1	2.54	28	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	16	C	43	TS		00.70	00.00	720	1H	1	2.39	28	
15	16	C	32	TS		02.00	00.00	720	1H	1	0.91	28	
15	16	C	23	TS		05.30	00.00	720	1H	1	0.92	28	
25	16	C	21	TS		00.00	00.00	720	1H	5	1.05	28	
29	16	C	<20	TS		00.00	00.00	720	6H	5	1.32	28	
30	16	C	25	4		00.00	00.00	720	6H	5	4.82	28	
31	16	C	20	2		00.00	00.00	720	6H	5	3.21	28	
31	16	C	<20	3		00.00	00.00	720	6H	5	5.02	28	
31	16	C	22	4		00.00	00.00	720	6H	5	4.23	28	
32	16	C	28	1		00.00	00.00	720	6H	5	4.25	28	
32	16	C	36	2		00.00	00.00	720	6H	5	7.55	28	
32	16	C	25	3		00.00	00.00	720	6H	5	5.72	28	
32	16	C	33	4		00.00	00.00	720	6H	5	5.35	28	
32	16	C	<20	5		00.00	00.00	720	6H	5	3.86	28	
32	16	C	<20	6		00.00	00.00	720	6H	5	2.50	28	
33	16	C	34	1		00.00	00.00	720	6H	5	5.82	28	
33	16	C	37	2		00.00	00.00	720	6H	5	3.87	28	
33	16	C	34	3		00.00	00.00	720	6H	5	5.92	28	
33	16	C	36	4		00.00	00.00	720	6H	5	3.29	28	
33	16	C	30	5		00.00	00.00	720	6H	5	5.30	28	
34	16	C	34	1		00.00	00.00	720	6H	5	4.84	28	
34	16	C	25	2		00.00	00.00	720	6H	5	3.42	28	
34	16	C	31	3		00.00	00.00	720	6H	5	7.78	28	
34	16	C	28	4		00.00	00.00	720	6H	5	5.05	28	
2	17	C	34	TS		01.20	00.00	720	6H	1	2.79	28	
2	17	C	20	3		00.00	00.00	720	6H	5	4.22	28	
4	17	C	52	TS		02.90	00.00	720	2H	1	1.17	44	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
5	17	C	98	TS		05.40	00.00	720	2H	1	1.64	44	
6	17	C	76	TS		01.00	00.00	720	1H	5	1.44	47	
6	17	C	31	TS		05.30	00.00	720	6H	1	3.12	28	
7	17	C	46	TS		01.20	00.00	720	1H	5	2.43	28	
7	17	C	45	TS		05.90	00.00	720	1H	1	4.22	28	
8	17	C	33	TS		01.50	00.00	720	1H	5	2.00	28	
9	17	C	42	TS		02.90	00.00	720	1H	5	1.32	28	
12	17	C	30	TS		02.20	00.00	720	1H	1	0.88	28	
14	17	C	24	TS		01.60	00.00	720	6H	1	1.36	28	
15	17	C	90	TS		00.00	00.00	720	2H	5	4.64	44	
15	17	C	29	TS		01.30	00.00	720	2H	1	1.87	28	
16	17	C	<20	TS		00.00	00.00	720	1H	5	8.53	28	
17	17	C	33	TS		00.90	00.00	720	1H	1	1.16	28	
24	17	C	<20	TS		00.00	00.00	720	1H	5	1.68	28	
26	17	C	21	TS		00.00	00.00	720	6H	5	1.48	28	
31	17	C	<20	3		00.00	00.00	720	6H	5	3.30	28	
31	17	C	34	4		00.00	00.00	720	6H	5	3.88	28	
32	17	C	20	2		00.00	00.00	720	6H	5	3.57	28	
32	17	C	<20	3		00.00	00.00	720	6H	5	5.41	28	
32	17	C	20	4		00.00	00.00	720	6H	5	3.19	28	
32	17	C	<20	4		02.20	00.00	720	6H	1	2.87	28	
33	17	C	28	2		00.00	00.00	720	6H	5	5.93	28	
33	17	C	<20	3		00.00	00.00	720	6H	5	4.12	28	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	17	C	30	4		00.00	00.00	720	6H	5	5.88	28	
34	17	C	<20	1		00.00	00.00	720	6H	5	2.57	28	
34	17	C	<20	2		00.00	00.00	720	6H	5	2.22	28	
34	17	C	22	3		00.00	00.00	720	6H	5	4.38	28	
34	17	C	30	4		00.00	00.00	720	6H	5	7.01	28	
35	17	C	<20	4		00.00	00.00	720	6H	5	3.29	28	
2	18	C	<20	TS		01.90	00.00	720	1H	5	2.13	28	
4	18	C	20	TS		01.30	00.00	720	1H	1	2.28	28	
4	18	C	42	TS		02.70	00.00	720	1H	1	1.11	28	
4	18	C	82	TS		04.00	00.00	720	1H	1	0.87	47	
5	18	C	23	TS		01.30	00.00	720	1H	1	4.51	28	
5	18	C	38	TS		03.70	00.00	720	1H	5	0.81	28	
6	18	C	32	TS		01.80	00.00	720	1H	1	3.34	28	
6	18	C	25	TS		05.50	00.00	720	1H	1	2.68	28	
9	18	C	37	TS		03.30	00.00	720	1H	1	2.55	28	
9	18	C	29	TS		04.90	00.00	720	1H	1	2.01	28	
9	18	C	37	TS		05.80	00.00	720	1H	1	2.50	28	
10	18	C	23	TS		02.40	00.00	720	6H	1	1.82	28	
10	18	C	44	TS		05.60	00.00	720	6H	1	1.85	28	
11	18	C	35	TS		01.60	00.00	720	6H	1	2.33	28	
11	18	C	37	TS		02.40	00.00	720	6H	1	2.37	28	
12	18	C	52	TS		01.40	00.00	720	2H	1	2.68	44	
12	18	C	26	TS		03.10	00.00	720	6H	1	1.83	28	
16	18	C	<20	TS		01.20	00.00	720	6H	1	1.25	28	
16	18	C	43	TS		03.10	00.00	720	6H	1	2.40	28	
33	18	C	<20	4		00.00	00.00	720	6H	5	3.43	28	

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LISTING OF INDICATIONS F CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
34	18	C	22	4		00.00	00.00	720	6H	5	4.50	28	
35	18	C	24	4		00.00	00.00	720	6H	5	5.34	28	
2	19	C	22	TS		01.40	00.00	720	1H	1	2.64	28	
4	19	C	<20	TS		01.20	00.00	720	1H	1	3.14	28	
5	19	C	34	TS		01.50	00.00	720	1H	1	1.99	28	
5	19	C	21	TS		05.00	00.00	720	1H	1	2.59	28	
6	19	C	31	TS		05.60	00.00	720	1H	1	2.39	28	
7	19	C	20	TS		01.80	00.00	720	1H	1	1.73	28	
7	19	C	30	TS		03.30	00.00	720	1H	1	2.92	28	
7	19	C	36	TS		04.60	00.00	720	1H	1	2.08	28	
7	19	C	27	TS		06.50	00.00	720	1H	1	3.36	28	
8	19	C	34	TS		03.40	00.00	720	1H	1	2.33	28	
8	19	C	40	TS		05.70	00.00	720	1H	1	2.32	28	
8	19	C	45	TS		06.80	00.00	720	1H	1	4.83	28	
9	19	C	34	TS		03.50	00.00	720	1H	1	1.87	28	
9	19	C	28	TS		06.90	00.00	720	1H	1	3.04	28	
11	19	C	44	TS		03.50	00.00	720	1H	1	1.84	28	
11	19	C	25	TS		05.30	00.00	720	1H	1	1.06	28	
13	19	C	47	TS		01.50	00.00	720	1H	1	2.02	28	
13	19	C	<20	TS		04.10	00.00	720	1H	1	1.59	28	
15	19	C	<20	TS		04.10	00.00	720	1H	1	1.75	28	
16	19	C	28	TS		03.40	00.00	720	1H	1	2.11	28	
18	19	C	26	TS		01.20	00.00	720	1H	1	2.38	28	
20	19	C	25	TS		00.60	00.00	720	1H	1	2.34	28	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	19	C	35	4		00.00	00.00	720	6H	5	6.78	28	
35	19	C	26	4		00.00	00.00	720	6H	5	5.74	47	
36	19	C	21	4		00.00	00.00	720	6H	5	3.65	28	
3	20	C	<20	TS		02.30	00.00	720	2H	1	2.35	29	
4	20	C	<20	TS		01.20	00.00	720	2H	1	2.98	29	
5	20	C	<20	TS		01.90	00.00	720	3H	1	2.30	29	
7	20	C	34	TS		03.20	00.00	720	2H	1	2.08	29	
7	20	C	53	TS		06.10	00.00	720	2H	5	2.20	44	
8	20	C	56	TS		06.70	00.00	720	2H	5	3.13	29	
9	20	C	34	TS		00.80	00.00	720	2H	1	0.87	29	
9	20	C	36	TS		06.50	00.00	720	2H	5	2.45	29	
9	20	C	22	TS		24.70	00.00	720	2H	1	1.24	29	
10	20	C	23	TS		04.00	07.00	720	2H	1	2.35	29	
11	20	C	21	TS		02.00	05.50	720	2H	1	1.64	29	
12	20	C	46	TS		03.50	00.00	720	1H	1	1.90	28	
12	20	C	33	TS		04.90	00.00	720	1H	1	2.84	28	
12	20	C	35	TS		05.90	00.00	720	1H	1	1.99	28	
14	20	C	27	TS		02.40	00.00	720	1H	1	2.85	28	
16	20	C	43	TS		01.60	00.00	720	1H	1	1.74	28	
16	20	C	30	TS		02.60	00.00	720	1H	1	2.06	28	
17	20	C	68	TS		01.20	00.00	720	2H	1	2.20	44	
35	20	C	<20	4		00.00	00.00	720	6H	5	4.85	28	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	---	---	---	---	---	---	---	---
5	21	C	38	TS		01.00	04.50	720	2H	1	1.22	29	
9	21	C	41	TS		05.50	07.00	720	2H	1	3.72	29	
10	21	C	29	TS		07.40	00.00	720	6H	1	2.26	29	
12	21	C	32	TS		04.20	00.00	720	2H	1	2.97	29	
12	21	C	<20	TS		07.00	00.00	720	2H	1	1.88	29	
13	21	C	<20	TS		02.00	00.00	720	2H	1	1.66	29	
13	21	C	33	TS		03.90	06.00	720	2H	1	2.84	29	
14	21	C	<20	TS		02.20	00.00	720	6H	1	1.61	44	
14	21	C	<20	TS		04.00	00.00	720	6H	1	2.77	44	
15	21	C	27	TS		02.30	00.00	720	4H	1	2.19	29	
15	21	C	<20	TS		04.20	00.00	720	4H	1	2.91	29	
16	21	C	42	TS		02.00	00.00	720	2H	1	2.25	29	
16	21	C	<20	TS		08.40	00.00	720	2H	1	1.49	29	
17	21	C	52	TS		01.90	00.00	720	2H	1	1.19	44	
18	21	C	41	TS		04.30	00.00	720	6H	1	1.60	29	
18	21	C	41	TS		04.50	00.00	720	6H	1	1.59	29	
19	21	C	40	TS		00.50	04.00	720	2H	5	1.89	29	
20	21	C	21	TS		01.00	00.00	720	2H	1	6.30	29	
21	21	C	<20	TS		00.60	00.00	720	2H	1	4.60	29	
26	21	C	25	TS		00.00	00.00	720	6H	5	0.72	29	
27	21	C	22	TS		00.00	00.00	720	6H	5	1.05	29	
28	21	C	22	TS		00.00	00.00	720	6H	5	1.03	29	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	21	C	<20	TS		00.10	00.00	720	6H	5	2.09	29	
34	21	C	<20	4		00.00	00.00	720	6H	5	3.34	29	
2	22	C	22	TS		01.50	00.00	720	2H	1	1.74	29	
3	22	C	<20	TS		02.20	00.00	720	2H	5	1.25	29	
6	22	C	30	TS		03.10	05.00	720	6H	1	1.72	29	
9	22	C	20	TS		08.70	00.00	720	2H	1	1.51	29	
11	22	C	21	TS		06.20	00.00	720	2H	1	2.18	29	
12	22	C	<20	TS		07.40	00.00	720	2H	1	2.06	29	
13	22	C	36	TS		02.00	06.00	720	2H	1	3.24	29	
14	22	C	28	TS		04.60	00.00	720	2H	1	1.73	29	
15	22	C	28	TS		03.50	00.00	720	2H	1	2.75	29	
16	22	C	44	TS		03.00	05.00	720	2H	1	2.71	29	
17	22	C	34	TS		01.50	04.70	720	2H	1	2.48	29	
18	22	C	35	TS		02.40	04.50	720	2H	1	1.35	29	
19	22	C	49	TS		00.90	00.00	720	2H	1	2.26	44	
19	22	C	20	TS		03.40	00.00	720	2H	1	1.81	29	
19	22	C	<20	TS		08.40	00.00	720	2H	1	1.16	29	
21	22	C	22	TS		02.20	00.00	720	1H	1	1.74	29	
28	22	C	25	TS		00.00	00.00	720	2H	5	0.89	29	
30	22	C	<20	TS		00.60	00.00	720	2H	1	2.52	29	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	22	C	<20	TS		00.00	00.00	720	1H	5	2.26	29	
33	22	C	<20	TS		00.00	00.00	720	2H	5	0.90	29	
2	23	C	35	TS		01.50	00.00	720	1H	1	2.80	29	
4	23	C	<20	TS		01.50	00.00	720	2H	1	3.07	29	
5	23	C	27	TS		03.70	00.00	720	2H	1	1.29	29	
6	23	C	31	TS		04.30	05.50	720	2H	1	1.59	29	
9	23	C	31	TS		06.80	00.00	720	2H	1	1.53	29	
10	23	C	<20	TS		10.60	00.00	720	2H	1	1.85	29	
13	23	C	<20	TS		01.00	08.50	720	2H	1	2.50	29	
15	23	C	<20	TS		00.70	00.00	720	2H	1	2.47	29	
15	23	C	26	TS		05.60	00.00	720	2H	1	1.96	29	
16	23	C	30	TS		03.70	08.00	720	2H	1	2.78	29	
17	23	C	<20	TS		01.80	00.00	720	2H	1	1.80	29	
17	23	C	25	TS		03.40	00.00	720	2H	1	2.21	29	
20	23	C	20	TS		02.20	00.00	720	2H	1	2.29	29	
22	23	C	20	TS		02.50	00.00	720	2H	1	2.07	29	
24	23	C	<20	TS		01.00	00.00	720	2H	1	1.81	29	
24	23	C	26	TS		03.10	00.00	720	2H	1	1.24	29	
26	23	C	22	TS		03.90	00.00	720	2H	5	0.99	29	
28	23	C	37	TS		00.00	00.00	720	2H	5	0.85	29	
29	23	C	<20	TS		00.00	00.00	720	2H	5	1.27	29	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER

83

ROW ----	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	23	C	<20	TS		00.00	00.00	720	2H	5	1.56	29	
2	24	C	21	TS		00.40	00.00	720	6H	5	2.08	44	
3	24	C	22	TS		02.50	00.00	720	6H	1	1.22	44	
3	24	C	21	TS		05.60	00.00	720	6H	1	1.81	44	
3	24	C	21	3		00.00	00.00	720	6H	5	2.25	44	
4	24	C	<20	TS		01.70	00.00	720	6H	1	2.64	44	
8	24	C	<20	TS		07.00	00.00	720	2H	1	2.40	29	
10	24	C	40	TS		10.20	00.00	720	2H	1	3.40	29	
11	24	C	49	TS		09.70	00.00	720	2H	1	2.65	44	
12	24	C	20	TS		10.60	00.00	720	2H	1	1.95	29	
13	24	C	28	TS		06.30	00.00	720	2H	1	1.75	29	
14	24	C	31	TS		05.40	00.00	720	2H	1	1.58	29	
16	24	C	29	TS		05.40	07.00	720	2H	1	2.63	29	
17	24	C	25	TS		04.90	00.00	720	2H	1	3.47	29	
19	24	C	21	TS		02.90	00.00	720	2H	1	1.32	29	
21	24	C	29	TS		01.00	04.00	720	2H	1	1.66	29	
22	24	C	<20	TS		03.10	00.00	720	2H	1	3.19	29	
24	24	C	25	TS		01.50	00.00	720	2H	1	2.24	29	
30	24	C	<20	TS		00.00	00.00	720	2H	5	1.17	29	
2	25	C	<20	TS		01.90	00.00	720	6H	5	2.13	29	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
----	----	----	-----	----	----	-----	-----	---	---	---	-----	-----	-----
3	25	C	21	TS		05.90	00.00	720	3H	1	1.87	29	
3	25	C	29	3		00.00	00.00	720	3H	5	3.50	29	
5	25	C	<20	TS		02.40	00.00	720	6H	1	1.68	44	
5	25	C	<20	3		00.00	00.00	720	6H	5	2.07	44	
6	25	C	35	TS		05.00	00.00	720	2H	1	3.61	29	
6	25	C	41	TS		09.70	00.00	720	2H	1	1.01	29	
9	25	C	20	TS		09.30	00.00	720	3H	1	1.35	29	
10	25	C	<20	TS		06.60	00.00	720	6H	1	1.46	29	
10	25	C	29	TS		10.00	00.00	720	6H	1	1.58	29	
11	25	C	<20	TS		06.60	00.00	720	2H	1	2.23	29	
13	25	C	<20	TS		07.90	00.00	720	2H	1	3.57	29	
15	25	C	<20	TS		10.60	00.00	720	2H	1	2.24	29	
16	25	C	<20	TS		07.50	00.00	720	3H	1	2.33	29	
17	25	C	<20	TS		05.00	00.00	720	2H	1	3.29	29	
19	25	C	<20	TS		01.60	00.00	720	2H	1	1.23	29	
19	25	C	20	TS		06.10	00.00	720	2H	1	1.22	29	
21	25	C	29	TS		05.30	00.00	720	2H	1	1.38	29	
22	25	C	40	TS		03.00	06.00	720	6H	1	2.17	29	
23	25	C	<20	TS		03.50	00.00	720	3H	1	1.77	29	
23	25	C	35	TS		08.40	00.00	720	3H	1	1.71	29	
24	25	C	37	TS		01.90	00.00	720	2H	1	2.94	29	
24	25	C	21	TS		06.90	00.00	720	2H	1	1.05	29	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	25	C	35	TS		01.50	00.00	720	2H	1	1.19	29	
25	25	C	<20	6		00.00	00.00	720	2C	6	2.09	2	
26	25	C	34	TS		01.50	00.00	720	6H	1	1.49	29	
26	25	C	42	TS		00.00	00.00	720	2H	5	2.13	29	
30	25	C	<20	TS		00.00	00.00	720	6H	1	4.12	29	
32	25	C	<20	TS		00.00	00.00	720	2H	5	2.34	29	
33	25	C	<20	TS		00.00	00.00	720	3H	5	1.38	29	
34	25	C	<20	TS		00.00	00.00	720	6H	5	1.12	29	
2	26	C	28	TS		02.30	00.00	720	6H	5	0.81	44	
2	26	C	<20	3		00.00	00.00	720	6H	5	2.71	44	
3	26	C	20	TS		02.20	00.00	720	6H	1	1.40	44	
3	26	C	21	TS		06.50	00.00	720	6H	1	1.72	44	
3	26	C	28	3		00.00	00.00	720	6H	5	5.22	44	
4	26	C	<20	1		00.00	00.00	720	6H	5	2.32	44	
4	26	C	26	3		00.00	00.00	720	6H	5	3.18	44	
7	26	C	23	TS		05.90	00.00	720	2H	1	1.40	29	
10	26	C	<20	TS		09.00	00.00	720	2H	1	2.04	29	
12	26	C	<20	TS		10.80	00.00	720	2H	5	1.23	29	
18	26	C	<20	TS		05.10	00.00	720	2H	1	2.03	29	
19	26	C	<20	TS		06.70	00.00	720	2H	1	2.16	29	
20	26	C	<20	TS		06.50	00.00	720	2H	1	1.51	29	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	26	C	<20	TS		05.40	00.00	720	2H	1	1.79	29	
22	26	C	34	TS		04.30	00.00	720	2H	1	1.18	29	
26	26	C	32	TS		02.40	00.00	720	2H	1	3.02	29	
28	26	C	<20	TS		00.00	00.00	720	2H	1	9.72	29	
29	26	C	36	TS		00.00	00.00	720	3H	5	2.94	29	
30	26	C	34	TS		00.00	00.00	720	2H	5	1.93	29	
31	26	C	<20	TS		00.00	00.00	720	2H	5	1.25	29	
34	26	C	<20	TS		00.00	00.00	720	2H	5	1.46	29	
2	27	C	<20	3		00.00	00.00	720	6H	5	3.10	48	
3	27	C	<20	TS		03.30	00.00	720	6H	5	1.13	48	
3	27	C	28	3		00.00	00.00	720	6H	5	6.50	48	
4	27	C	30	3		00.00	00.00	720	6H	5	6.33	48	
6	27	C	24	TS		05.00	00.00	720	6H	1	3.83	51	
6	27	C	32	TS		10.30	00.00	720	6H	1	1.48	51	
8	27	C	<20	TS		03.00	00.00	720	2H	1	1.64	29	
9	27	C	20	TS		05.40	00.00	720	2H	1	2.85	29	
13	27	C	<20	TS		08.80	00.00	720	2H	1	2.01	29	
13	27	C	25	TS		11.60	00.00	720	2H	1	3.67	29	
15	27	C	<20	TS		06.10	00.00	720	2H	1	2.44	29	
18	27	C	<20	TS		05.00	00.00	720	2H	1	1.36	29	
19	27	C	20	TS		04.90	00.00	720	2H	1	1.87	29	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	27	C	<20	TS		04.20	00.00	720	2H	1	2.10	29	
25	27	C	36	TS		02.60	00.00	720	2H	1	2.16	29	
26	27	C	25	TS		01.90	00.00	720	2H	1	2.68	29	
27	27	C	24	TS		01.40	00.00	720	2H	1	2.79	29	
28	27	C	<20	TS		01.50	00.00	720	2H	1	2.38	29	
29	27	C	39	TS		00.00	00.00	720	2H	5	3.18	29	
30	27	C	35	TS		00.00	00.00	720	2H	5	3.98	29	
31	27	C	33	TS		00.00	00.00	720	2H	5	3.00	29	
32	27	C	<20	TS		00.00	00.00	720	2H	5	2.18	29	
32	27	C	25	TS		01.20	00.00	720	2H	1	1.84	29	
35	27	C	<20	TS		00.00	00.00	720	2H	5	1.33	29	
2	28	C	<20	TS		01.00	00.00	720	6H	5	1.51	48	
2	28	C	<20	3		00.00	00.00	720	6H	5	3.12	48	
3	28	C	24	TS		03.30	00.00	720	6H	5	0.98	48	
3	28	C	<20	1		00.00	00.00	720	6H	5	3.51	48	
3	28	C	<20	3		00.00	00.00	720	6H	5	4.75	48	
4	28	C	<20	TS		04.60	00.00	720	6H	5	0.66	48	
5	28	C	42	TS		02.90	00.00	720	6H	5	1.16	51	
5	28	C	45	3		00.00	00.00	720	6H	5	6.26	51	
6	28	C	<20	TS		01.40	00.00	720	3H	5	1.59	30	
6	28	C	29	TS		02.80	00.00	720	3H	5	1.46	30	
6	28	C	20	TS		11.10	00.00	720	3H	5	0.66	30	
9	28	C	36	TS		05.00	00.00	720	2H	5	1.33	30	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	28	C	42	TS		07.70	00.00	720	2H	5	0.56	30	
13	28	C	<20	TS		10.20	00.00	720	2H	5	0.89	30	
14	28	C	<20	TS		10.00	00.00	720	1H	5	1.00	30	
15	28	C	<20	TS		05.80	00.00	720	2H	5	1.54	30	
21	28	C	<20	TS		08.10	00.00	720	2H	5	1.13	30	
22	28	C	27	TS		07.30	00.00	720	2H	5	1.78	30	
27	28	C	<20	TS		06.60	00.00	720	2H	5	0.71	30	
31	28	C	41	TS		00.00	00.00	720	2H	5	3.74	29	
32	28	C	26	TS		00.00	00.00	720	2H	5	3.06	29	
32	28	C	<20	TS		01.50	00.00	720	2H	1	1.62	29	
33	28	C	<20	TS		00.00	00.00	720	2H	5	1.30	29	
35	28	C	22	TS		00.00	00.00	720	2H	5	1.30	29	
2	29	C	20	TS		00.90	00.00	720	3H	5	1.33	30	
2	29	C	<20	3		00.00	00.00	720	3H	5	3.44	30	
2	29	C	<20	4		00.00	00.00	720	3H	5	3.32	30	
3	29	C	<20	TS		00.90	00.00	720	6H	5	1.32	52	
3	29	C	29	TS		03.00	00.00	720	6H	5	1.79	52	
3	29	C	<20	2		00.00	00.00	720	6H	5	4.61	52	
5	29	C	45	TS		05.10	00.00	720	6H	5	1.31	52	
9	29	C	37	TS		14.70	00.00	720	1H	5	0.73	30	
10	29	C	33	TS		03.00	00.00	720	6H	5	0.82	30	
12	29	C	<20	TS		07.20	00.00	720	3H	5	0.88	30	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	29	C	<20	6		38.40	00.00	720	6H	5	1.21	30	
15	29	C	<20	TS		08.40	00.00	720	1H	5	1.25	30	
19	29	C	<20	TS		04.50	00.00	720	1H	5	1.34	30	
21	29	C	<20	TS		08.70	00.00	720	1H	5	1.00	30	
22	29	C	32	TS		07.80	00.00	720	6H	5	1.22	30	
23	29	C	<20	TS		01.80	00.00	720	1H	5	0.83	30	
24	29	C	<20	TS		06.10	00.00	720	1H	5	0.72	30	
26	29	C	<20	TS		05.10	00.00	720	6H	6	2.79	30	
32	29	C	37	TS		00.00	00.00	720	1H	5	3.81	30	
36	29	C	<20	TS		00.00	00.00	720	1H	5	1.81	30	
2	30	C	<20	4		00.00	00.00	720	6H	5	5.89	52	
3	30	C	29	TS		04.20	00.00	720	6H	5	1.33	52	
3	30	C	<20	4		00.00	00.00	720	6H	5	5.80	52	
7	30	C	<20	TS		07.90	00.00	720	6H	5	0.71	52	
10	30	C	<20	TS		05.10	00.00	720	1H	5	1.45	30	
14	30	C	<20	TS		08.70	00.00	720	2H	5	1.07	30	
22	30	C	29	TS		02.40	00.00	720	2H	5	1.03	30	
23	30	C	<20	TS		03.60	00.00	720	1H	5	0.85	30	
24	30	C	<20	TS		03.00	00.00	720	1H	5	1.33	30	
25	30	C	27	TS		11.80	00.00	720	2H	5	0.52	30	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
26	30	C	<20	TS		05.20	00.00	720	2H	5	1.05	30	
27	30	C	<20	TS		10.00	00.00	720	1H	5	0.85	30	
28	30	C	<20	TS		04.20	00.00	720	1H	5	0.95	30	
29	30	C	<20	TS		02.40	00.00	720	2H	5	1.68	30	
30	30	C	<20	TS		06.00	00.00	720	2H	5	0.68	30	
31	30	C	<20	TS		01.00	00.00	720	1H	5	2.00	30	
32	30	C	42	TS		00.00	00.00	720	1H	5	3.62	30	
33	30	C	40	TS		00.00	00.00	720	2H	5	3.31	30	
37	30	C	<20	TS		00.60	00.00	720	1H	5	0.86	30	
2	31	C	<20	TS		02.40	00.00	720	6H	5	1.63	52	
2	31	C	<20	3		00.00	00.00	720	6H	5	6.59	52	
3	31	C	24	TS		03.90	00.00	720	6H	5	1.16	52	
3	31	C	22	3		00.00	00.00	720	6H	5	5.70	52	
3	31	C	<20	6		00.00	00.00	720	6H	5	6.03	52	
4	31	C	<20	3		00.00	00.00	720	6H	5	6.05	52	
6	31	C	46	TS		04.40	00.00	720	6H	5	1.30	52	
7	31	C	26	TS		08.10	00.00	720	6H	5	1.61	52	
18	31	C	<20	TS		06.30	00.00	720	6H	5	1.54	30	
23	31	C	24	TS		03.40	00.00	720	2H	5	1.18	30	
24	31	C	<20	TS		07.30	00.00	720	2H	5	1.53	30	
25	31	C	<20	TS		14.70	00.00	720	1H	5	0.65	30	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	31	C	32	TS		08.80	00.00	720	1H	5	0.82	30	
29	31	C	<20	TS		02.60	00.00	720	1H	5	1.64	30	
40	31	C	<20	TS		00.00	00.00	720	2H	5	1.38	30	
3	32	C	43	TS		02.10	00.00	720	6H	5	1.31	52	
4	32	C	<20	TS		02.20	00.00	720	6H	5	1.01	52	
4	32	C	<20	3		00.00	00.00	720	6H	5	4.64	52	
6	32	C	61	TS		03.70	00.00	720	2H	5	1.74	44	
7	32	C	43	TS		05.20	00.00	720	2H	5	1.16	30	
7	32	C	<20	3		00.00	00.00	720	6H	5	5.66	52	
7	32	C	<20	5		00.00	00.00	720	6H	5	5.19	52	
9	32	C	<20	TS		05.70	00.00	720	1H	5	1.38	30	
13	32	C	<20	TS		10.60	00.00	720	3H	5	1.24	30	
15	32	C	<20	TS		04.80	00.00	720	3H	5	2.15	30	
17	32	C	<20	TS		14.20	00.00	720	3H	5	1.40	30	
18	32	C	<20	TS		10.90	00.00	720	3H	5	1.31	30	
22	32	C	32	TS		08.20	00.00	720	2H	5	0.85	30	
23	32	C	<20	TS		05.80	00.00	720	1H	5	1.71	30	
28	32	C	24	TS		10.80	00.00	720	1H	5	0.90	30	
32	32	C	<20	TS		02.20	00.00	720	2H	5	1.18	30	
34	32	C	29	TS		00.00	00.00	720	1H	5	2.52	30	
35	32	C	23	TS		00.00	00.00	720	1H	5	1.66	30	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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42	32	C	<20	1		00.00	00.00	720	6H	5	1.15	30	
42	32	C	<20	2		00.00	00.00	720	6H	5	3.14	30	
42	32	C	<20	4		00.00	00.00	720	6H	5	2.97	30	
2	33	C	20	TS		00.00	00.00	720	3H	5	2.92	30	
2	33	C	<20	3		00.00	00.00	720	3H	5	2.21	30	
2	33	C	<20	5		00.00	00.00	720	3H	5	2.59	30	
6	33	C	58	TS		07.50	00.00	720	2H	5	1.35	44	
6	33	C	<20	4		00.00	00.00	720	6H	5	3.58	30	
6	33	C	<20	5		00.00	00.00	720	6H	5	4.16	30	
8	33	C	30	TS		04.20	00.00	720	2H	5	0.68	30	
12	33	C	<20	5		00.00	00.00	720	3H	5	4.58	30	
13	33	C	27	5		00.00	00.00	720	3H	5	5.14	30	
13	33	C	28	5		00.00	00.00	720	5H	5	5.88	4	
14	33	C	23	5		00.00	00.00	720	5H	5	5.66	4	
14	33	C	21	5		00.00	00.00	720	3H	5	5.14	30	
15	33	C	<20	5		00.00	00.00	720	3H	5	3.69	30	
20	33	C	<20	TS		10.50	00.00	720	2H	5	1.56	30	
22	33	C	<20	TS		05.10	00.00	720	3H	5	2.77	30	
26	33	C	34	TS		06.00	00.00	720	6H	5	0.89	30	
29	33	C	23	TS		03.30	00.00	720	1H	5	0.68	30	
30	33	C	20	TS		03.70	00.00	720	6H	5	1.90	30	
31	33	C	<20	TS		03.00	00.00	720	3H	5	1.62	30	
32	33	C	<20	TS		02.80	00.00	720	1H	5	2.28	30	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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34	33	C	<20	TS		01.10	00.00	720	6H	5	2.84	30	
35	33	C	42	TS		00.00	00.00	720	2H	5	1.58	30	
36	33	C	22	TS		00.00	00.00	720	2H	5	1.90	30	
42	33	C	21	2		00.00	00.00	720	6H	5	2.32	44	
42	33	C	<20	4		00.00	00.00	720	6H	5	5.89	44	
2	34	C	36	TS		00.90	00.00	720	1H	5	2.66	31	
4	34	C	<20	1		00.00	00.00	720	6H	5	4.69	52	
4	34	C	22	4		00.00	00.00	720	6H	5	6.25	52	
8	34	C	20	TS		07.20	00.00	720	1H	5	2.68	31	
12	34	C	<20	TS		00.00	00.00	720	3H	5	0.98	30	
12	34	C	<20	5		00.00	00.00	720	3H	5	3.33	30	
13	34	C	41	5		00.00	00.00	720	6H	5	3.12	30	
13	34	C	40	5		00.00	00.00	720	5H	5	3.53	4	
14	34	C	<20	5		00.00	00.00	720	3H	1	4.24	30	
15	34	C	22	TS		05.50	00.00	720	3H	5	1.03	30	
15	34	C	23	5		00.00	00.00	720	3H	5	6.57	30	
15	34	C	26	5		00.00	00.00	720	5H	5	7.11	4	
16	34	C	<20	5		00.00	00.00	720	3H	5	4.27	30	
17	34	C	<20	TS		09.10	00.00	720	6H	5	1.05	30	
19	34	C	<20	TS		12.90	00.00	720	2H	5	1.50	30	
20	34	C	<20	TS		12.30	00.00	720	2H	5	1.50	30	
21	34	C	<20	TS		10.90	00.00	720	2H	5	1.49	30	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	34	C	<20	TS		05.40	00.00	720	2H	5	1.72	30	
23	34	C	27	TS		07.90	00.00	720	2H	5	1.06	30	
26	34	C	<20	TS		07.20	00.00	720	2H	5	1.64	30	
28	34	C	28	TS		02.40	00.00	720	1H	5	1.73	30	
29	34	C	31	TS		03.00	00.00	720	2H	5	1.69	30	
30	34	C	23	TS		04.50	00.00	720	1H	5	1.49	30	
31	34	C	<20	TS		04.20	00.00	720	2H	5	0.88	30	
32	34	C	<20	TS		02.70	00.00	720	1H	5	1.64	30	
35	34	C	31	TS		00.00	00.00	720	1H	5	2.11	30	
36	34	C	33	TS		00.00	00.00	720	1H	5	1.74	30	
37	34	C	<20	TS		00.00	00.00	720	2H	5	1.94	30	
2	35	C	22	TS		00.90	00.00	720	1H	5	1.65	31	
3	35	C	35	TS		03.60	00.00	720	1H	5	1.59	31	
3	35	C	<20	3		00.00	00.00	720	6H	5	5.41	53	
6	35	C	<20	TS		02.40	00.00	720	1H	5	1.68	31	
6	35	C	26	TS		04.80	00.00	720	1H	5	2.87	31	
7	35	C	20	TS		04.50	00.00	720	1H	5	1.78	31	
10	35	C	<20	TS		36.90	00.00	720	6H	5	1.21	31	
12	35	C	27	5		00.30	00.00	720	6H	5	8.65	31	
13	35	C	22	TS		01.80	00.00	720	6H	5	1.18	31	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	35	C	22	4		00.60	00.00	720	6H	5	8.66	31	
14	35	C	22	5		00.00	00.00	720	6H	5	4.28	31	
15	35	C	27	5		00.00	00.00	720	6H	5	6.19	31	
15	35	C	<20	6		00.00	00.00	720	6H	5	7.96	31	
16	35	C	<20	5		00.00	00.00	720	6H	5	6.12	31	
20	35	C	32	TS		12.30	00.00	720	1H	5	5.21	31	
21	35	C	<20	TS		09.30	00.00	720	1H	5	1.44	31	
22	35	C	20	TS		09.90	00.00	720	1H	5	2.81	31	
26	35	C	35	TS		02.40	00.00	720	1H	5	0.75	31	
27	35	C	32	TS		06.00	00.00	720	1H	5	1.11	31	
28	35	C	32	TS		05.10	00.00	720	1H	5	1.14	31	
29	35	C	32	TS		04.20	00.00	720	1H	5	2.93	31	
30	35	C	34	TS		03.00	00.00	720	1H	5	1.97	31	
31	35	C	22	TS		03.90	00.00	720	1H	5	1.33	31	
32	35	C	27	TS		02.10	00.00	720	1H	5	1.39	31	
36	35	C	44	TS		00.30	00.00	720	1H	5	2.00	31	
41	35	C	<20	TS		00.60	00.00	720	6H	5	1.27	31	
42	35	C	<20	1		00.00	00.00	720	6H	5	1.88	31	
42	35	C	<20	2		00.00	00.00	720	6H	5	1.70	31	
42	35	C	<20	3		00.00	00.00	720	6H	5	6.51	31	
44	35	C	45	1		02.40	00.00	720	6H	5	3.26	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
44	35	C	<20	3		00.00	00.00	720	6H	5	2.89	31	
44	35	C	<20	4		00.00	00.00	720	6H	5	5.01	31	
2	36	C	31	TS		00.90	00.00	720	1H	5	4.17	31	
3	36	C	29	TS		02.70	00.00	720	1H	5	1.62	31	
4	36	C	<20	TS		02.10	00.00	720	1H	5	1.93	31	
8	36	C	24	TS		04.80	00.00	720	1H	5	2.31	31	
10	36	C	<20	TS		03.00	00.00	720	6H	5	1.46	44	
12	36	C	20	5		00.00	00.00	720	6H	5	5.35	31	
13	36	C	27	TS		10.50	00.00	720	6H	5	1.79	31	
13	36	C	<20	5		00.00	00.00	720	6H	5	7.33	31	
14	36	C	24	TS		10.80	00.00	720	6H	5	1.46	31	
15	36	C	<20	5		00.00	00.00	720	6H	5	6.61	31	
17	36	C	<20	TS		13.80	00.00	720	6H	5	1.17	31	
19	36	C	<20	TS		12.00	00.00	720	1H	5	4.00	31	
20	36	C	<20	TS		11.70	00.00	720	1H	5	2.57	31	
21	36	C	27	TS		11.70	00.00	720	1H	5	2.92	31	
23	36	C	20	TS		06.60	00.00	720	1H	5	1.80	31	
24	36	C	24	TS		09.00	00.00	720	1H	5	1.54	31	
25	36	C	22	TS		04.20	00.00	720	1H	5	1.37	31	
26	36	C	32	TS		05.70	00.00	720	1H	5	1.19	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
27	36	C	35	TS		05.70	00.00	720	1H	5	1.43	31	
28	36	C	27	TS		05.10	00.00	720	1H	5	2.94	31	
29	36	C	27	TS		04.50	00.00	720	1H	5	2.11	31	
30	36	C	35	TS		03.30	00.00	720	1H	5	1.56	31	
32	36	C	31	TS		03.90	00.00	720	1H	5	0.67	31	
33	36	C	<20	TS		03.30	00.00	720	1H	5	1.30	31	
35	36	C	26	TS		00.90	00.00	720	1H	5	1.84	31	
36	36	C	35	TS		00.90	00.00	720	1H	5	3.49	31	
37	36	C	36	TS		00.00	00.00	720	1H	5	3.68	31	
39	36	C	20	TS		00.00	00.00	720	1H	5	2.74	31	
41	36	C	<20	TS		00.90	00.00	720	6H	5	0.97	31	
44	36	C	27	3		00.00	00.00	720	6H	5	3.00	31	
44	36	C	<20	4		00.00	00.00	720	6H	5	6.11	31	
44	36	C	<20	5		00.00	00.00	720	6H	5	4.83	31	
2	37	C	26	TS		01.20	00.00	720	6H	5	3.08	31	
6	37	C	27	TS		03.00	00.00	720	6H	5	2.51	31	
9	37	C	27	TS		07.50	00.00	720	1H	5	1.29	31	
13	37	C	<20	TS		09.00	00.00	720	6H	5	2.13	31	
14	37	C	<20	TS		12.00	00.00	720	6H	5	1.55	31	
15	37	C	31	TS		09.90	00.00	720	6H	5	2.91	31	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ---	TURNS -----
16	37	C	29	TS		11.40	00.00	720	6H	5	1.15	31	
21	37	C	20	TS		11.40	00.00	720	1H	5	1.70	31	
27	37	C	39	TS		06.00	00.00	720	1H	5	1.28	31	
28	37	C	34	TS		05.70	00.00	720	1H	5	2.09	31	
29	37	C	34	TS		05.40	00.00	720	1H	5	2.53	31	
30	37	C	34	TS		04.20	00.00	720	6H	5	1.90	31	
30	37	C	35	TS		04.80	00.00	720	6H	5	2.54	31	
31	37	C	35	TS		04.20	00.00	720	1H	5	1.50	31	
32	37	C	38	TS		01.80	00.00	720	1H	5	1.48	31	
33	37	C	26	TS		08.40	00.00	720	1H	5	1.30	31	
36	37	C	20	TS		01.20	00.00	720	1H	5	2.27	31	
42	37	C	<20	1		00.00	00.00	720	6H	5	1.36	31	
42	37	C	<20	2		00.00	00.00	720	6H	5	3.00	31	
42	37	C	22	3		00.00	00.00	720	6H	5	2.91	31	
44	37	C	29	1		00.00	00.00	720	6H	5	2.85	31	
44	37	C	22	2		00.00	00.00	720	6H	5	4.62	31	
44	37	C	34	3		00.00	00.00	720	6H	5	2.71	31	
44	37	C	<20	4		00.00	00.00	720	6H	5	5.83	31	
2	38	C	36	TS		00.00	00.00	720	1H	5	2.21	31	
3	38	C	31	TS		04.20	00.00	720	1H	5	1.64	31	
6	38	C	<20	TS		30.30	00.00	720	1H	5	1.54	31	
12	38	C	32	TS		09.90	00.00	720	6H	5	0.85	31	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	38	C	22	TS		08.70	00.00	720	6H	5	4.49	31	
14	38	C	<20	TS		08.40	00.00	720	6H	5	2.04	31	
20	38	C	<20	TS		12.90	00.00	720	1H	5	2.50	31	
21	38	C	<20	TS		12.60	00.00	720	1H	5	2.49	31	
22	38	C	24	TS		10.20	00.00	720	1H	5	2.04	31	
23	38	C	<20	TS		10.80	00.00	720	1H	5	1.86	31	
24	38	C	31	TS		12.90	00.00	720	1H	5	1.39	31	
27	38	C	20	TS		06.00	00.00	720	1H	5	1.55	31	
28	38	C	32	TS		05.40	00.00	720	1H	5	3.81	31	
29	38	C	35	TS		04.50	00.00	720	1H	5	2.86	31	
30	38	C	27	TS		03.60	00.00	720	1H	5	2.60	31	
32	38	C	29	TS		02.40	00.00	720	1H	5	1.45	31	
33	38	C	<20	TS		03.60	00.00	720	1H	5	1.91	31	
35	38	C	42	TS		00.00	00.00	720	1H	5	3.18	31	
36	38	C	35	TS		00.00	00.00	720	1H	5	2.40	31	
43	38	C	27	2		00.00	00.00	720	6H	5	3.09	31	
43	38	C	<20	3		00.00	00.00	720	6H	5	3.22	31	
44	38	C	<20	1		00.00	00.00	720	6H	5	1.46	31	
44	38	C	27	2		00.00	00.00	720	6H	5	5.79	31	
44	38	C	<20	3		00.00	00.00	720	6H	5	4.34	31	
2	39	C	26	TS		00.90	00.00	720	1H	5	2.89	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	39	C	42	TS		04.50	00.00	720	1H	5	1.22	31	
7	39	C	29	TS		04.20	00.00	720	1H	5	1.57	31	
13	39	C	24	TS		08.10	00.00	720	1H	5	2.32	31	
22	39	C	24	TS		10.20	00.00	720	1H	5	2.09	31	
23	39	C	<20	TS		10.50	00.00	720	1H	5	2.27	31	
27	39	C	36	TS		06.00	00.00	720	1H	5	1.28	31	
28	39	C	39	TS		00.00	00.00	720	1H	5	3.43	31	
29	39	C	34	TS		05.10	00.00	720	1H	5	1.55	31	
30	39	C	44	TS		03.30	00.00	720	1H	5	3.84	31	
32	39	C	26	TS		03.30	00.00	720	1H	5	0.68	31	
33	39	C	<20	TS		03.30	00.00	720	1H	5	1.56	31	
35	39	C	26	TS		00.60	00.00	720	1H	5	2.41	31	
45	39	C	<20	2		00.00	00.00	720	6H	5	4.46	31	
45	39	C	36	3		00.00	00.00	720	6H	5	5.23	31	
45	39	C	35	4		00.00	00.00	720	6H	5	5.96	31	
2	40	C	38	TS		00.90	00.00	720	1H	5	2.91	31	
3	40	C	<20	TS		02.10	00.00	720	1H	5	1.04	31	
4	40	C	36	TS		03.90	00.00	720	1H	5	1.23	31	
5	40	C	30	TS		08.90	00.00	720	1H	5	0.99	47	
12	40	C	<20	TS		09.00	00.00	720	1H	5	0.79	31	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE ---	CH --	VOLT -----	REEL -----	TURNS -----
13	40	C	35	TS		10.20	00.00	720	1H	5	2.06	31	
22	40	C	<20	TS		10.50	00.00	720	1H	5	1.69	31	
24	40	C	29	TS		06.90	00.00	720	1H	5	3.58	31	
24	40	C	22	TS		08.40	00.00	720	1H	5	2.00	31	
25	40	C	36	TS		02.10	00.00	720	1H	1	2.72	31	
28	40	C	<20	TS		02.70	00.00	720	1H	5	1.89	31	
29	40	C	45	TS		04.50	00.00	720	1H	5	2.46	31	
30	40	C	42	TS		03.60	00.00	720	1H	5	2.83	31	
32	40	C	20	TS		04.50	00.00	720	1H	5	1.90	31	
33	40	C	<20	TS		03.90	00.00	720	1H	5	1.55	31	
35	40	C	27	TS		00.60	00.00	720	1H	5	2.98	31	
36	40	C	31	TS		00.90	00.00	720	1H	5	2.49	31	
45	40	C	<20	2		00.00	00.00	720	6H	5	3.22	31	
45	40	C	<20	3		00.00	00.00	720	6H	5	4.17	31	
45	40	C	22	4		00.00	00.00	720	6H	5	5.93	31	
45	40	C	<20	5		00.00	00.00	720	6H	5	4.42	31	
21	41	C	<20	TS		13.20	00.00	720	1H	1	2.38	32	
22	41	C	20	TS		12.90	00.00	720	6H	1	1.74	32	
23	41	C	28	TS		08.20	00.00	720	1H	1	2.68	32	
24	41	C	23	TS		07.70	00.00	720	1H	1	4.18	32	
24	41	C	21	TS		09.50	00.00	720	1H	1	3.64	32	
24	41	C	30	TS		13.20	00.00	720	1H	1	1.72	32	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
26	41	C	26	TS		08.30	00.00	720	6H	1	1.74	32	
27	41	C	21	TS		07.80	00.00	720	1H	1	1.58	32	
28	41	C	34	TS		05.40	00.00	720	1H	1	2.58	32	
29	41	C	30	TS		02.10	00.00	720	1H	1	2.57	32	
29	41	C	33	TS		05.10	00.00	720	1H	1	3.74	32	
30	41	C	30	TS		03.90	00.00	720	6H	1	2.68	32	
30	41	C	28	TS		05.40	00.00	720	6H	1	3.25	32	
32	41	C	53	1		03.00	00.00	720	2H	1	1.41	44	
32	41	C	30	1		03.60	00.00	720	1H	1	3.39	32	
33	41	C	26	TS		03.00	00.00	720	1H	1	2.23	32	
36	41	C	21	TS		01.10	00.00	720	1H	1	2.35	32	
2	42	C	31	TS		00.30	00.00	720	6H	1	3.52	52	
2	42	C	20	TS		02.20	00.00	720	6H	1	2.07	52	
5	42	C	20	TS		07.20	00.00	720	6H	1	2.10	52	
6	42	C	24	TS		09.50	00.00	720	6H	1	1.55	52	
13	42	C	21	TS		11.40	00.00	720	1H	1	2.50	32	
14	42	C	<20	TS		10.50	00.00	720	1H	1	2.94	32	
22	42	C	33	TS		13.50	00.00	720	1H	1	2.51	32	
23	42	C	23	TS		08.40	00.00	720	1H	1	3.19	32	
23	42	C	22	TS		10.10	00.00	720	1H	1	3.28	32	
24	42	C	20	TS		07.80	00.00	720	1H	1	5.42	32	
24	42	C	23	TS		09.40	00.00	720	1H	1	2.03	32	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
25	42	C	22	TS		01.80	00.00	720	1H	1	1.98	32	
25	42	C	28	TS		07.80	00.00	720	1H	1	2.06	32	
25	42	C	33	TS		09.30	00.00	720	1H	1	2.09	32	
26	42	C	21	TS		01.50	00.00	720	1H	1	1.33	32	
27	42	C	23	TS		06.60	00.00	720	1H	1	2.84	32	
28	42	C	<20	TS		01.50	00.00	720	1H	1	2.46	32	
28	42	C	30	TS		05.70	00.00	720	1H	1	3.17	32	
29	42	C	<20	TS		06.90	00.00	720	1H	1	4.43	32	
31	42	C	44	TS		03.20	00.00	720	1H	1	3.12	32	
31	42	C	40	TS		05.40	00.00	720	1H	1	3.31	32	
32	42	C	<20	TS		03.60	00.00	720	1H	1	2.85	32	
33	42	C	32	TS		02.50	00.00	720	1H	1	2.13	32	
2	43	C	<20	TS		00.50	00.00	720	6H	1	5.70	52	
2	43	C	24	TS		00.70	00.00	720	6H	1	0.94	52	
3	43	C	28	TS		02.40	00.00	720	6H	1	5.66	52	
3	43	C	33	TS		03.00	00.00	720	6H	1	2.79	52	
3	43	C	<20	3		00.00	00.00	720	6H	5	4.92	52	
3	43	C	<20	4		00.00	00.00	720	6H	5	5.12	52	
4	43	C	24	TS		02.90	00.00	720	6H	1	1.99	53	
4	43	C	44	TS		03.50	00.00	720	6H	1	2.46	53	
4	43	C	37	TS		05.00	00.00	720	6H	1	1.73	53	
5	43	C	<20	3		00.00	00.00	720	6H	5	5.11	52	
10	43	C	23	TS		05.40	00.00	720	1H	1	4.29	32	
13	43	C	22	TS		10.90	00.00	720	1H	1	1.90	32	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	----	----	-----
14	43	C	<20	TS		08.80	00.00	720	1H	1	1.72	32	
14	43	C	<20	TS		11.00	00.00	720	1H	1	2.38	32	
15	43	C	26	TS		10.60	00.00	720	1H	1	1.59	32	
20	43	C	24	TS		07.80	00.00	720	1H	1	2.32	32	
21	43	C	20	TS		13.20	00.00	720	1H	1	2.50	32	
21	43	C	23	TS		14.50	00.00	720	1H	1	1.80	32	
22	43	C	40	TS		13.40	00.00	720	1H	1	2.40	32	
23	43	C	24	TS		08.00	00.00	720	1H	1	2.71	32	
23	43	C	20	TS		09.80	00.00	720	1H	1	2.23	32	
24	43	C	23	TS		07.80	00.00	720	1H	1	3.53	32	
24	43	C	22	TS		09.60	00.00	720	1H	1	2.90	32	
25	43	C	20	TS		08.80	00.00	720	1H	1	3.29	32	
26	43	C	20	TS		08.60	00.00	720	1H	1	2.22	32	
27	43	C	20	TS		01.80	00.00	720	1H	1	1.59	32	
28	43	C	<20	TS		03.50	00.00	720	1H	1	1.93	32	
28	43	C	<20	TS		06.80	00.00	720	1H	1	1.42	32	
29	43	C	33	TS		05.60	00.00	720	1H	1	1.33	32	
29	43	C	20	TS		06.80	00.00	720	1H	1	3.69	32	
30	43	C	30	TS		01.70	00.00	720	1H	1	1.81	32	
30	43	C	29	TS		05.90	00.00	720	1H	1	3.44	32	
31	43	C	60	TS		03.80	00.00	720	2H	1	1.73	44	
31	43	C	46	TS		05.40	00.00	720	1H	1	2.73	32	
31	43	C	40	TS		05.70	00.00	720	1H	1	4.19	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	43	C	24	TS		04.80	00.00	720	1H	1	2.82	32	
33	43	C	<20	TS		02.70	00.00	720	1H	1	3.41	32	
33	43	C	<20	TS		03.50	00.00	720	1H	1	2.71	32	
2	44	C	46	TS		00.00	00.00	720	6H	5	2.42	52	
3	44	C	22	TS		02.70	00.00	720	6H	5	2.40	52	
3	44	C	<20	3		00.00	00.00	720	6H	5	5.57	52	
5	44	C	<20	3		00.00	00.00	720	6H	5	6.31	52	
5	44	C	<20	4		00.00	00.00	720	6H	5	6.39	52	
6	44	C	<20	TS		02.40	00.00	720	6H	5	2.18	52	
6	44	C	<20	3		00.00	00.00	720	6H	5	4.51	52	
10	44	C	<20	TS		05.40	00.00	720	1H	5	2.42	32	
13	44	C	<20	TS		07.50	00.00	720	1H	5	1.88	32	
13	44	C	<20	TS		10.50	00.00	720	1H	5	1.13	32	
14	44	C	<20	TS		12.00	00.00	720	1H	5	1.58	32	
20	44	C	<20	TS		14.40	00.00	720	1H	5	1.14	32	
21	44	C	26	TS		00.50	00.00	720	1H	5	1.26	32	
21	44	C	22	TS		15.30	00.00	720	1H	5	1.55	32	
23	44	C	24	TS		08.70	00.00	720	1H	5	1.83	32	
24	44	C	<20	TS		09.30	00.00	720	1H	5	4.01	32	
25	44	C	<20	TS		07.80	00.00	720	1H	5	1.60	32	
26	44	C	<20	TS		11.10	00.00	720	1H	5	1.33	32	
27	44	C	<20	TS		08.40	00.00	720	1H	5	1.46	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	44	C	<20	TS		06.60	00.00	720	1H	5	1.36	32	
29	44	C	25	TS		06.20	00.00	720	1H	5	1.36	32	
30	44	C	23	TS		02.10	00.00	720	1H	1	2.41	32	
30	44	C	25	TS		05.40	00.00	720	1H	1	3.92	32	
3	45	C	<20	TS		01.50	00.00	720	6H	5	2.16	52	
3	45	C	<20	3		00.00	00.00	720	6H	5	7.67	52	
4	45	C	<20	3		00.00	00.00	720	6H	5	7.68	52	
4	45	C	<20	4		00.00	00.00	720	6H	5	7.16	52	
5	45	C	<20	TS		01.20	00.00	720	6H	5	1.77	52	
5	45	C	<20	3		00.00	00.00	720	6H	5	4.57	52	
5	45	C	<20	4		00.00	00.00	720	6H	5	3.87	52	
6	45	C	<20	TS		02.10	00.00	720	3H	5	1.92	32	
6	45	C	<20	4		00.00	00.00	720	3H	5	3.98	32	
10	45	C	<20	TS		05.40	00.00	720	6H	5	1.12	32	
13	45	C	<20	TS		10.80	00.00	720	1H	5	1.42	32	
14	45	C	<20	TS		09.90	00.00	720	6H	5	1.87	32	
24	45	C	25	TS		10.20	00.00	720	1H	5	3.31	32	
25	45	C	<20	TS		09.90	00.00	720	1H	5	2.75	32	
28	45	C	<20	TS		06.60	00.00	720	1H	5	2.68	32	
29	45	C	<20	TS		06.30	00.00	720	1H	5	1.86	32	
30	45	C	26	TS		04.50	00.00	720	6H	5	0.85	32	
32	45	C	26	TS		03.90	00.00	720	1H	5	2.01	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	46	C	31	TS		00.90	00.00	720	1H	5	2.83	32	
3	46	C	27	2		00.00	00.00	720	6H	5	3.70	52	
5	46	C	22	3		00.00	00.00	720	6H	5	3.65	52	
6	46	C	<20	TS		03.00	00.00	720	1H	5	1.67	32	
6	46	C	25	3		00.00	00.00	720	6H	5	4.04	52	
6	46	C	<20	4		00.00	00.00	720	6H	5	5.24	52	
13	46	C	<20	TS		10.50	00.00	720	1H	5	1.75	32	
14	46	C	<20	TS		11.40	00.00	720	1H	5	2.00	32	
23	46	C	<20	TS		09.90	00.00	720	1H	5	1.71	32	
24	46	C	24	TS		08.20	00.00	720	1H	5	1.91	32	
24	46	C	<20	TS		10.60	00.00	720	1H	5	2.67	32	
25	46	C	<20	TS		10.20	00.00	720	1H	5	2.84	32	
27	46	C	<20	TS		07.20	00.00	720	1H	5	1.57	32	
29	46	C	<20	TS		06.90	00.00	720	1H	5	2.82	32	
30	46	C	<20	TS		05.40	00.00	720	1H	5	1.45	32	
31	46	C	25	TS		05.40	00.00	720	1H	5	1.69	32	
36	46	C	<20	TS		00.00	00.00	720	1H	5	2.13	32	
2	47	C	<20	3		00.00	00.00	720	6H	5	5.56	51	
3	47	C	25	TS		00.60	00.00	720	6H	5	2.54	51	
3	47	C	39	3		00.00	00.00	720	6H	5	9.80	51	
4	47	C	24	TS		00.80	00.00	720	6H	1	5.88	53	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	47	C	32	TS		02.30	00.00	720	6H	1	1.89	53	
4	47	C	26	TS		03.50	00.00	720	6H	1	1.93	53	
4	47	C	<20	3		00.00	00.00	720	6H	5	4.79	53	
5	47	C	39	3		00.00	00.00	720	6H	5	5.62	51	
6	47	C	<20	3		00.00	00.00	720	6H	5	4.57	52	
8	47	C	<20	TS		08.70	00.00	720	2H	5	1.42	32	
13	47	C	<20	TS		11.10	00.00	720	1H	5	1.94	32	
17	47	C	<20	TS		05.10	00.00	720	2H	5	1.43	32	
18	47	C	<20	TS		11.70	00.00	720	1H	5	1.16	32	
23	47	C	<20	TS		12.30	00.00	720	1H	5	2.03	32	
24	47	C	<20	TS		10.80	00.00	720	1H	5	3.12	32	
25	47	C	<20	TS		05.40	00.00	720	2H	5	2.27	32	
25	47	C	<20	TS		10.50	00.00	720	2H	5	2.72	32	
29	47	C	<20	TS		06.90	00.00	720	1H	5	2.02	32	
31	47	C	<20	TS		02.10	00.00	720	1H	5	2.17	32	
31	47	C	<20	TS		04.80	00.00	720	1H	5	2.11	32	
32	47	C	29	TS		04.20	00.00	720	1H	5	1.20	32	
32	47	C	34	1		00.00	00.00	720	1H	5	2.93	32	
33	47	C	<20	1		00.00	00.00	720	1H	5	1.54	32	
36	47	C	<20	TS		00.00	00.00	720	1H	5	2.19	32	
2	48	C	<20	2		00.00	00.00	720	6H	5	3.04	51	
2	48	C	<20	3		00.00	00.00	720	6H	5	5.86	51	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	48	C	<20	TS		02.70	00.00	720	6H	5	1.56	51	
3	48	C	29	3		00.00	00.00	720	6H	5	9.16	51	
3	48	C	<20	4		00.00	00.00	720	6H	5	5.49	51	
4	48	C	39	TS		04.20	00.00	720	6H	5	1.81	48	
4	48	C	<20	2		00.00	00.00	720	6H	5	4.46	48	
4	48	C	26	3		01.40	00.00	720	6H	5	2.32	48	
5	48	C	<20	3		00.00	00.00	720	6H	5	3.06	44	
6	48	C	<20	3		00.00	00.00	720	6H	5	5.37	47	
7	48	C	23	TS		08.60	00.00	720	6H	1	1.59	47	
9	48	C	<20	TS		07.20	00.00	720	6H	5	1.65	44	
10	48	C	<20	TS		06.30	00.00	720	1H	5	1.83	32	
13	48	C	<20	TS		11.40	00.00	720	1H	5	1.82	32	
23	48	C	<20	TS		10.80	00.00	720	2H	5	1.63	32	
24	48	C	<20	TS		10.80	00.00	720	1H	5	1.87	32	
25	48	C	<20	TS		05.70	00.00	720	1H	5	2.52	32	
25	48	C	<20	TS		11.40	00.00	720	1H	5	1.94	32	
28	48	C	<20	TS		07.80	00.00	720	1H	5	1.52	32	
29	48	C	<20	TS		06.60	00.00	720	1H	5	2.01	32	
31	48	C	<20	TS		03.60	00.00	720	1H	5	2.18	32	
32	48	C	<20	TS		04.20	00.00	720	1H	5	1.78	32	
36	48	C	<20	TS		00.30	00.00	720	1H	5	1.67	32	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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2	49	C	64	TS		00.00	00.00	720	1H	5	1.46	44	
2	49	C	<20	1		00.00	00.00	720	6H	5	3.69	32	
2	49	C	<20	3		00.00	00.00	720	6H	5	4.82	32	
3	49	C	21	TS		01.60	00.00	720	6H	1	2.41	48	
3	49	C	24	1		00.00	00.00	720	6H	5	6.46	48	
3	49	C	20	2		00.00	00.00	720	6H	5	5.40	48	
3	49	C	38	3		00.00	00.00	720	6H	5	8.65	48	
4	49	C	34	TS		01.20	00.00	720	6H	5	2.16	48	
4	49	C	42	3		00.00	00.00	720	6H	5	8.14	48	
4	49	C	<20	4		00.00	00.00	720	6H	5	5.00	48	
5	49	C	26	3		00.00	00.00	720	6H	5	6.49	44	
6	49	C	61	TS		09.30	00.00	720	4H	1	1.90	47	
6	49	C	33	3		00.00	00.00	720	6H	5	5.98	33	
7	49	C	<20	4		00.00	00.00	720	6H	5	2.36	44	
12	49	C	<20	TS		11.40	00.00	720	1H	1	1.89	33	
23	49	C	<20	TS		12.70	00.00	720	1H	1	3.88	33	
23	49	C	29	TS		13.90	00.00	720	1H	1	2.34	33	
24	49	C	38	TS		11.00	00.00	720	1H	1	2.22	33	
24	49	C	23	TS		12.80	00.00	720	1H	1	3.39	33	
25	49	C	38	TS		09.30	00.00	720	1H	1	1.80	33	
25	49	C	31	TS		10.40	00.00	720	1H	1	1.91	33	
25	49	C	23	TS		11.30	00.00	720	1H	1	2.08	33	
29	49	C	29	TS		08.30	00.00	720	1H	1	3.40	33	
31	49	C	50	TS		04.60	00.00	720	2H	1	3.20	44	
32	49	C	33	TS		03.70	00.00	720	1H	1	1.85	33	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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32	49	C	33	1		00.00	00.00	720	1H	5	3.64	33	
2	50	C	20	1		00.00	00.00	720	6H	5	7.50	51	
3	50	C	20	1		00.00	00.00	720	6H	5	5.50	48	
3	50	C	20	2		00.00	00.00	720	6H	5	6.13	48	
3	50	C	34	3		00.00	00.00	720	6H	5	7.98	48	
3	50	C	<20	4		00.00	00.00	720	6H	5	4.33	48	
4	50	C	28	TS		03.00	00.00	720	6H	1	1.57	53	
4	50	C	29	3		00.00	00.00	720	6H	5	7.53	53	
4	50	C	<20	4		00.00	00.00	720	6H	5	7.21	53	
6	50	C	<20	3		00.00	00.00	720	6H	5	2.56	44	
6	50	C	<20	4		00.00	00.00	720	6H	5	2.64	44	
6	50	C	<20	5		00.00	00.00	720	6H	5	2.23	44	
7	50	C	67	TS		01.90	00.00	720	6H	4	1.09	44	
7	50	C	23	4		00.00	00.00	720	6H	5	3.00	44	
9	50	C	<20	4		00.00	00.00	720	6H	5	2.69	44	
23	50	C	26	TS		13.20	00.00	720	1H	1	4.09	33	
24	50	C	36	TS		10.10	00.00	720	1H	5	1.94	33	
24	50	C	36	TS		13.00	00.00	720	1H	5	1.94	33	
30	50	C	26	TS		07.20	00.00	720	1H	1	3.98	33	
31	50	C	31	TS		04.60	00.00	720	1H	1	2.37	33	
32	50	C	36	TS		04.40	00.00	720	1H	1	1.85	33	
2	51	C	<20	3		00.00	00.00	720	6H	5	4.89	51	
3	51	C	<20	1		00.00	00.00	720	6H	5	5.23	48	
3	51	C	<20	2		00.00	00.00	720	6H	5	4.91	48	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	51	C	38	3		00.00	00.00	720	6H	5	7.33	48	
3	51	C	20	4		00.00	00.00	720	6H	5	6.05	48	
4	51	C	25	3		00.00	00.00	720	6H	5	5.96	48	
5	51	C	<20	1		00.00	00.00	720	6H	5	2.12	44	
5	51	C	29	3		00.00	00.00	720	6H	5	6.31	44	
6	51	C	<20	3		00.00	00.00	720	6H	5	3.10	44	
7	51	C	32	TS		00.00	00.00	720	6H	1	2.36	44	
7	51	C	<20	3		00.00	00.00	720	6H	5	3.14	44	
7	51	C	20	6		00.00	00.00	720	6H	5	3.95	44	
19	51	C	<20	TS		15.40	00.00	720	1H	1	2.78	33	
25	51	C	38	TS		11.90	00.00	720	1H	1	2.38	33	
31	51	C	<20	TS		04.90	00.00	720	1H	1	2.06	33	
34	51	C	33	TS		02.10	00.00	720	1H	1	2.31	33	
2	52	C	<20	TS		02.00	00.00	720	6H	1	2.05	51	
2	52	C	22	3		00.00	00.00	720	6H	5	5.58	51	
3	52	C	<20	TS		05.40	00.00	720	6H	1	2.58	48	
3	52	C	29	TS		06.00	00.00	720	6H	1	1.20	48	
3	52	C	20	1		00.00	00.00	720	6H	5	5.63	48	
3	52	C	25	3		00.00	00.00	720	6H	5	6.43	48	
3	52	C	<20	4		00.00	00.00	720	6H	5	4.91	48	
4	52	C	21	3		00.00	00.00	720	6H	5	5.16	48	
4	52	C	22	4		00.00	00.00	720	6H	5	4.09	48	
5	52	C	<20	1		00.00	00.00	720	6H	5	1.56	44	
5	52	C	26	3		00.00	00.00	720	6H	5	6.05	44	
6	52	C	24	3		00.00	00.00	720	6H	5	2.99	33	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	52	C	<20	3		00.00	00.00	720	6H	5	3.63	44	
13	52	C	55	TS		11.90	00.00	720	2H	1	2.69	44	
23	52	C	25	TS		13.10	00.00	720	1H	5	1.80	33	
24	52	C	22	TS		10.40	13.70	720	1H	1	3.72	47	
25	52	C	21	TS		10.80	00.00	720	1H	1	4.60	33	
30	52	C	35	TS		06.40	00.00	720	1H	1	2.50	33	
31	52	C	38	TS		05.20	00.00	720	1H	1	2.87	33	
32	52	C	29	TS		04.70	00.00	720	1H	1	2.30	33	
34	52	C	33	TS		01.30	00.00	720	1H	1	3.30	33	
35	52	C	<20	TS		02.10	00.00	720	1H	1	1.92	33	
2	53	C	30	TS		02.30	00.00	720	6H	5	0.67	33	
2	53	C	27	3		00.00	00.00	720	6H	5	4.78	33	
3	53	C	32	TS		05.30	00.00	720	6H	1	3.60	48	
3	53	C	46	TS		08.40	00.00	720	6H	1	1.65	48	
3	53	C	23	1		00.00	00.00	720	6H	5	3.03	48	
3	53	C	35	3		00.00	00.00	720	6H	5	8.53	48	
3	53	C	<20	4		00.00	00.00	720	6H	5	4.87	48	
4	53	C	25	3		00.00	00.00	720	6H	5	4.47	48	
5	53	C	<20	3		00.00	00.00	720	6H	5	3.97	44	
5	53	C	<20	4		00.00	00.00	720	6H	5	2.74	44	
7	53	C	25	3		00.00	00.00	720	6H	5	5.06	44	
7	53	C	<20	4		00.00	00.00	720	6H	5	3.03	44	
8	53	C	65	3		00.00	00.00	720	5H	5	2.28	47	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	53	C	28	3		00.00	00.00	720	6H	5	3.47	44	
24	53	C	<20	TS		12.30	00.00	720	1H	1	3.07	33	
26	53	C	29	TS		02.90	00.00	720	6H	1	1.44	33	
29	53	C	35	TS		06.10	00.00	720	1H	1	1.72	33	
29	53	C	22	TS		07.00	00.00	720	1H	1	3.65	33	
30	53	C	29	TS		05.90	00.00	720	6H	1	1.81	33	
32	53	C	21	TS		04.70	00.00	720	1H	1	1.81	33	
39	53	C	37	TS		00.00	00.00	720	6H	5	1.74	33	
40	53	C	34	TS		00.00	00.00	720	6H	5	1.94	33	
41	53	C	27	TS		00.00	00.00	720	6H	5	2.67	33	
43	53	C	31	TS		00.90	00.00	720	6H	5	1.11	47	
45	53	C	45	2		00.00	00.00	720	6H	5	2.79	33	
2	54	C	<20	3		00.00	00.00	720	6H	5	3.54	48	
2	54	C	<20	4		00.00	00.00	720	6H	5	2.86	48	
3	54	C	26	3		00.00	00.00	720	6H	5	6.41	48	
3	54	C	<20	4		00.00	00.00	720	6H	5	4.52	48	
4	54	C	32	TS		09.20	00.00	720	6H	1	1.14	48	
4	54	C	38	3		00.00	00.00	720	6H	5	8.38	48	
4	54	C	20	4		00.00	00.00	720	6H	5	5.12	48	
5	54	C	26	3		00.00	00.00	720	6H	5	4.73	44	
5	54	C	25	4		00.00	00.00	720	6H	5	4.00	44	
5	54	C	<20	5		00.00	00.00	720	6H	5	2.72	44	
6	54	C	25	3		00.00	00.00	720	6H	5	3.75	44	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	54	C	<20	4		00.00	00.00	720	6H	5	3.11	44	
7	54	C	31	3		00.00	00.00	720	6H	5	5.73	44	
7	54	C	28	4		00.00	00.00	720	6H	5	4.55	44	
8	54	C	23	3		00.00	00.00	720	6H	5	4.46	44	
9	54	C	37	3		00.00	00.00	720	6H	5	1.93	44	
9	54	C	<20	4		00.00	00.00	720	6H	5	3.32	44	
10	54	C	20	3		00.00	00.00	720	6H	5	3.42	48	
10	54	C	<20	4		00.00	00.00	720	6H	5	4.06	48	
13	54	C	34	TS		16.40	00.00	720	1H	5	1.27	33	
17	54	C	30	TS		12.60	00.00	720	1H	5	1.37	33	
18	54	C	36	TS		13.20	00.00	720	1H	5	0.74	33	
21	54	C	34	TS		12.90	00.00	720	1H	5	1.23	33	
22	54	C	36	TS		12.10	00.00	720	1H	5	1.69	33	
23	54	C	29	TS		12.60	00.00	720	1H	5	1.78	33	
24	54	C	38	TS		13.00	00.00	720	1H	5	2.37	33	
26	54	C	<20	TS		06.00	00.00	720	1H	1	2.72	33	
28	54	C	29	TS		08.50	00.00	720	1H	5	1.94	33	
29	54	C	32	TS		07.00	00.00	720	1H	1	3.87	33	
32	54	C	37	TS		00.00	00.00	720	1H	5	3.95	33	
37	54	C	<20	TS		00.00	00.00	720	1H	5	2.80	33	
41	54	C	25	TS		00.00	00.00	720	6H	5	1.97	33	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
41	54	C	<20	4		00.00	00.00	720	6H	5	3.85	33	
42	54	C	<20	TS		00.00	00.00	720	6H	5	1.63	33	
44	54	C	39	4		00.00	00.00	720	6H	5	5.60	33	
45	54	C	47	4		00.00	00.00	720	6H	5	3.51	33	
45	54	C	38	5		00.00	00.00	720	6H	5	5.12	33	
2	55	C	<20	2		00.00	00.00	720	6H	5	2.99	44	
3	55	C	<20	2		00.00	00.00	720	6H	5	3.39	44	
3	55	C	29	3		00.00	00.00	720	6H	5	4.87	44	
3	55	C	<20	4		00.00	00.00	720	6H	5	3.33	44	
4	55	C	20	3		00.00	00.00	720	6H	5	4.99	44	
4	55	C	<20	4		00.00	00.00	720	6H	5	3.98	44	
5	55	C	23	3		00.00	00.00	720	6H	5	4.31	44	
5	55	C	25	4		00.00	00.00	720	6H	5	5.16	44	
6	55	C	31	3		00.00	00.00	720	6H	5	3.36	44	
6	55	C	<20	4		00.00	00.00	720	6H	5	2.61	44	
7	55	C	35	3		00.00	00.00	720	6H	5	5.31	44	
7	55	C	29	4		00.00	00.00	720	6H	5	4.73	44	
8	55	C	21	3		00.00	00.00	720	6H	5	4.55	44	
8	55	C	<20	4		00.00	00.00	720	6H	5	4.60	44	
9	55	C	34	3		00.00	00.00	720	6H	5	5.03	44	
9	55	C	<20	4		00.00	00.00	720	6H	5	3.66	44	
13	55	C	33	TS		11.30	00.00	720	1H	5	1.92	33	
15	55	C	39	TS		12.50	00.00	720	2H	5	0.94	33	
22	55	C	39	TS		13.20	00.00	720	1H	5	1.99	33	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	55	C	35	TS		13.90	00.00	720	1H	5	3.24	33	
24	55	C	38	TS		12.70	00.00	720	1H	5	1.49	33	
28	55	C	26	TS		07.80	00.00	720	1H	1	1.99	33	
29	55	C	43	TS		06.90	00.00	720	1H	5	1.38	33	
30	55	C	38	TS		05.60	00.00	720	1H	5	1.01	33	
31	55	C	30	TS		05.60	00.00	720	1H	5	1.21	33	
32	55	C	36	TS		03.60	00.00	720	1H	5	0.62	33	
34	55	C	22	TS		03.30	00.00	720	1H	5	1.06	33	
39	55	C	44	TS		00.00	00.00	720	6H	5	1.58	33	
42	55	C	<20	TS		00.00	00.00	720	6H	5	2.75	33	
42	55	C	27	5		00.00	00.00	720	6H	5	3.53	33	
43	55	C	23	TS		00.00	00.00	720	6H	5	1.62	33	
43	55	C	32	3		00.00	00.00	720	6H	5	5.54	33	
43	55	C	25	4		00.00	00.00	720	6H	5	3.39	33	
44	55	C	47	1		00.00	00.00	720	6H	5	2.75	33	
44	55	C	39	2		00.00	00.00	720	6H	5	3.35	33	
44	55	C	36	3		00.00	00.00	720	6H	5	4.91	33	
44	55	C	34	4		00.00	00.00	720	6H	5	5.00	33	
44	55	C	40	5		00.00	00.00	720	6H	5	4.40	33	
2	56	C	27	TS		03.90	00.00	720	6H	1	2.21	34	
2	56	C	23	3		00.00	00.00	720	6H	5	4.53	34	
3	56	C	<20	TS		01.90	00.00	720	6H	1	2.12	34	
3	56	C	<20	TS		06.00	00.00	720	6H	1	1.71	34	
3	56	C	<20	3		00.00	00.00	720	6H	5	4.83	34	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	56	C	<20	4		00.00	00.00	720	6H	5	3.43	34	
3	56	C	<20	5		00.00	00.00	720	6H	5	2.82	34	
4	56	C	<20	3		00.00	00.00	720	6H	5	5.81	34	
4	56	C	<20	4		00.00	00.00	720	6H	5	4.76	34	
5	56	C	34	3		00.00	00.00	720	6H	5	9.26	34	
5	56	C	29	4		00.00	00.00	720	6H	5	6.65	34	
6	56	C	<20	TS		02.50	00.00	720	6H	1	1.17	34	
6	56	C	23	3		00.00	00.00	720	6H	5	4.89	34	
6	56	C	<20	4		00.00	00.00	720	6H	5	4.94	34	
7	56	C	30	3		00.00	00.00	720	6H	5	6.35	34	
7	56	C	29	4		00.00	00.00	720	6H	5	6.65	34	
8	56	C	<20	TS		17.30	00.00	720	6H	1	1.10	34	
8	56	C	22	3		00.00	00.00	720	6H	5	4.13	34	
9	56	C	32	3		00.00	00.00	720	6H	5	3.83	33	
10	56	C	<20	4		00.00	00.00	720	6H	5	3.05	44	
11	56	C	38	TS		12.90	00.00	720	6H	5	1.14	48	
13	56	C	32	TS		10.80	00.00	720	1H	5	0.78	33	
13	56	C	34	TS		11.20	00.00	720	1H	5	1.07	33	
21	56	C	40	TS		12.60	00.00	720	1H	5	0.93	33	
22	56	C	34	TS		12.50	00.00	720	1H	5	2.22	33	
23	56	C	45	TS		11.40	00.00	720	1H	5	2.11	33	
23	56	C	38	TS		13.90	00.00	720	1H	5	4.31	33	
24	56	C	31	TS		12.60	00.00	720	1H	5	1.17	33	
25	56	C	30	TS		10.90	00.00	720	1H	5	1.00	33	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	56	C	<20	TS		01.30	00.00	720	1H	1	3.17	33	
41	56	C	<20	3		00.00	00.00	720	6H	5	3.58	33	
42	56	C	23	TS		00.00	00.00	720	6H	5	1.56	33	
42	56	C	23	1		00.00	00.00	720	6H	5	2.16	33	
42	56	C	23	2		00.00	00.00	720	6H	5	2.67	33	
42	56	C	36	3		00.00	00.00	720	6H	5	6.11	33	
42	56	C	27	4		00.00	00.00	720	6H	5	4.28	33	
42	56	C	21	6		00.00	00.00	720	6H	5	2.63	33	
43	56	C	46	1		00.00	00.00	720	6H	5	3.02	33	
43	56	C	25	2		00.00	00.00	720	6H	5	5.03	33	
43	56	C	38	3		00.00	00.00	720	6H	5	7.34	33	
43	56	C	30	4		00.00	00.00	720	6H	5	4.11	33	
43	56	C	32	5		00.00	00.00	720	6H	5	3.39	33	
43	56	C	23	6		00.00	00.00	720	6H	5	4.59	33	
44	56	C	51	2		00.00	00.00	720	3H	5	5.85	44	
44	56	C	36	3		00.00	00.00	720	6H	5	5.82	33	
44	56	C	35	4		00.00	00.00	720	6H	5	4.08	33	
44	56	C	43	5		00.00	00.00	720	6H	5	7.38	33	
2	57	C	<20	TS		02.00	00.00	720	6H	1	5.22	34	
2	57	C	<20	3		00.00	00.00	720	6H	5	4.12	34	
2	57	C	<20	4		00.00	00.00	720	6H	5	3.63	34	
3	57	C	87	TS		06.20	00.00	720	2H	5	1.40	44	
3	57	C	41	3		00.00	00.00	720	6H	5	1.84	34	
4	57	C	22	3		00.00	00.00	720	6H	5	4.89	34	
4	57	C	20	4		00.00	00.00	720	6H	5	4.46	34	
5	57	C	<20	3		00.00	00.00	720	6H	5	3.93	34	
5	57	C	<20	4		00.00	00.00	720	6H	5	4.73	34	
6	57	C	23	3		00.00	00.00	720	6H	5	6.20	34	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	57	C	<20	4		00.00	00.00	720	6H	5	2.88	34	
7	57	C	31	3		00.00	00.00	720	6H	5	7.21	34	
7	57	C	23	4		00.00	00.00	720	6H	5	5.82	34	
7	57	C	<20	5		00.00	00.00	720	6H	5	4.42	34	
8	57	C	<20	TS		07.30	00.00	720	6H	1	2.42	34	
8	57	C	23	3		00.00	00.00	720	6H	5	6.38	34	
8	57	C	<20	5		00.00	00.00	720	6H	5	4.15	34	
9	57	C	<20	4		00.00	00.00	720	6H	5	4.58	34	
9	57	C	<20	5		00.00	00.00	720	6H	5	3.34	34	
12	57	C	34	TS		10.70	00.00	720	1H	1	2.24	34	
12	57	C	21	TS		14.80	00.00	720	1H	1	1.45	34	
13	57	C	<20	TS		09.80	12.60	720	1H	5	1.20	34	
14	57	C	28	TS		10.40	16.10	720	6H	1	1.98	34	
15	57	C	<20	TS		10.70	13.40	720	1H	5	1.46	34	
16	57	C	27	TS		12.60	13.80	720	1H	5	1.45	34	
20	57	C	35	TS		12.40	00.00	720	1H	1	1.34	34	
20	57	C	<20	TS		14.90	00.00	720	1H	1	1.39	34	
20	57	C	<20	TS		15.80	00.00	720	1H	1	3.43	34	
21	57	C	21	TS		10.30	00.00	720	1H	5	1.36	34	
21	57	C	45	TS		12.10	00.00	720	1H	5	1.46	34	
21	57	C	48	TS		12.50	00.00	720	2H	1	2.99	44	
21	57	C	49	TS		13.20	00.00	720	2H	5	0.63	44	
21	57	C	43	TS		13.70	00.00	720	1H	1	2.44	34	
21	57	C	25	TS		14.70	00.00	720	1H	1	1.50	34	
21	57	C	<20	TS		15.90	00.00	720	1H	1	1.90	34	
22	57	C	27	TS		10.00	13.70	720	6H	5	1.84	34	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	---	---	---	-----	----	-----
22	57	C	33	TS		14.40	00.00	720	6H	1	2.43	34	
22	57	C	26	TS		15.00	00.00	720	6H	1	2.14	34	
23	57	C	26	TS		12.30	14.50	720	2H	1	7.06	34	
24	57	C	25	TS		01.00	00.00	720	1H	1	1.76	34	
24	57	C	<20	TS		10.60	00.00	720	1H	1	3.47	34	
25	57	C	24	TS		05.40	00.00	720	1H	1	1.28	34	
25	57	C	32	TS		06.40	00.00	720	1H	5	2.58	34	
25	57	C	53	TS		10.10	00.00	720	2H	1	1.85	44	
25	57	C	47	TS		12.50	00.00	720	1H	1	2.14	34	
29	57	C	<20	TS		06.60	00.00	720	1H	1	2.57	34	
30	57	C	29	TS		04.30	00.00	720	6H	5	0.87	34	
30	57	C	23	TS		05.90	00.00	720	6H	1	1.18	34	
31	57	C	<20	TS		05.90	00.00	720	1H	1	1.02	34	
32	57	C	<20	TS		05.00	00.00	720	1H	1	1.99	34	
41	57	C	26	3		00.00	00.00	720	6H	5	4.14	34	
41	57	C	25	4		00.00	00.00	720	6H	5	2.46	34	
42	57	C	43	3		00.00	00.00	720	3H	5	9.78	34	
42	57	C	40	4		00.00	00.00	720	3H	5	7.72	34	
42	57	C	40	6		00.00	00.00	720	3H	5	7.37	34	
43	57	C	<20	1		01.20	00.00	720	6H	1	3.05	34	
43	57	C	22	2		00.00	00.00	720	6H	5	2.42	34	
43	57	C	27	3		00.00	00.00	720	6H	5	7.55	34	
43	57	C	29	4		00.00	00.00	720	6H	5	3.39	34	
43	57	C	34	5		00.00	00.00	720	6H	5	5.65	34	
43	57	C	36	6		00.00	00.00	720	6H	5	4.34	34	
44	57	C	47	2		00.00	00.00	720	3H	5	8.86	34	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	---	---	---	---	---	---	---	---	---	---	---
44	57	C	45	3		00.00	00.00	720	3H	5	7.86	34	
44	57	C	30	4		00.00	00.00	720	3H	5	4.86	34	
44	57	C	37	5		00.00	00.00	720	3H	5	3.77	34	
44	57	C	<20	5		01.50	00.00	720	3H	1	2.15	34	
2	58	C	<20	TS		02.60	00.00	720	6H	1	4.71	34	
3	58	C	42	TS		05.80	00.00	720	6H	1	1.49	34	
3	58	C	22	3		00.00	00.00	720	6H	5	3.25	34	
3	58	C	23	4		00.00	00.00	720	6H	5	6.10	34	
4	58	C	34	TS		03.90	00.00	720	6H	1	1.14	34	
4	58	C	29	TS		07.30	00.00	720	6H	5	1.77	34	
4	58	C	30	3		00.00	00.00	720	6H	5	6.66	34	
4	58	C	30	4		00.00	00.00	720	6H	5	7.78	34	
5	58	C	24	TS		15.70	00.00	720	6H	1	1.11	34	
5	58	C	31	3		00.00	00.00	720	6H	5	7.35	34	
6	58	C	25	3		00.00	00.00	720	6H	5	7.94	34	
7	58	C	26	3		00.00	00.00	720	6H	5	7.62	34	
7	58	C	22	4		00.00	00.00	720	6H	5	6.46	34	
8	58	C	<20	TS		31.20	00.00	720	3H	1	1.37	34	
8	58	C	23	3		00.00	00.00	720	3H	5	4.86	34	
8	58	C	<20	4		00.00	00.00	720	3H	5	4.82	34	
9	58	C	<20	TS		06.70	00.00	720	6H	1	1.90	34	
11	58	C	23	TS		09.40	00.00	720	2H	5	0.61	34	
12	58	C	38	TS		12.30	00.00	720	2H	1	1.42	34	
13	58	C	38	TS		12.20	00.00	720	2H	1	1.83	34	
14	58	C	29	TS		11.60	00.00	720	2H	1	1.92	34	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	58	C	39	TS		12.00	00.00	720	2H	1	1.98	34	
16	58	C	27	TS		12.20	00.00	720	2H	1	1.13	34	
17	58	C	23	TS		10.90	00.00	720	2H	5	0.83	34	
18	58	C	32	TS		12.80	00.00	720	2H	1	3.09	34	
21	58	C	<20	TS		10.30	15.00	720	2H	1	1.98	34	
22	58	C	<20	TS		07.90	00.00	720	2H	1	3.81	34	
22	58	C	24	TS		13.20	00.00	720	2H	1	2.74	34	
22	58	C	22	TS		14.50	00.00	720	2H	1	7.23	34	
22	58	C	<20	TS		15.10	00.00	720	2H	1	1.44	34	
22	58	C	<20	TS		15.40	00.00	720	2H	1	2.05	34	
23	58	C	<20	TS		13.20	14.80	720	2H	5	1.96	34	
24	58	C	<20	TS		07.50	00.00	720	2H	1	3.10	34	
25	58	C	40	TS		06.10	00.00	720	2H	1	0.88	34	
25	58	C	<20	TS		06.70	00.00	720	2H	1	2.62	34	
26	58	C	<20	TS		05.60	00.00	720	2H	1	1.16	34	
27	58	C	<20	TS		00.80	00.00	720	2H	1	2.14	34	
27	58	C	<20	TS		04.70	09.00	720	2H	5	1.66	34	
28	58	C	40	TS		01.30	00.00	720	2H	1	1.12	34	
28	58	C	23	TS		06.90	00.00	720	2H	1	1.88	34	
32	58	C	25	TS		01.00	00.00	720	2H	1	2.68	34	
32	58	C	<20	TS		04.60	00.00	720	2H	1	1.75	34	
33	58	C	<20	TS		03.20	00.00	720	1H	1	2.02	34	
41	58	C	<20	4		00.00	00.00	720	6H	5	3.60	34	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
41	58	C	<20	6		00.00	00.00	720	6H	5	4.21	34	
42	58	C	26	1		00.00	00.00	720	6H	5	4.81	34	
42	58	C	36	2		00.00	00.00	720	6H	5	2.20	34	
42	58	C	39	3		00.00	00.00	720	6H	5	11.38	34	
42	58	C	38	4		00.00	00.00	720	6H	5	9.05	34	
42	58	C	<20	5		00.00	00.00	720	6H	5	5.24	34	
42	58	C	39	6		00.00	00.00	720	6H	5	9.60	34	
43	58	C	39	1		00.00	00.00	720	6H	5	3.74	34	
43	58	C	27	2		00.50	00.00	720	6H	5	3.64	34	
43	58	C	41	3		00.00	00.00	720	6H	5	9.03	34	
43	58	C	27	4		00.00	00.00	720	6H	5	4.75	34	
43	58	C	26	4		00.80	00.00	720	6H	5	1.67	34	
43	58	C	22	5		00.00	00.00	720	6H	5	3.02	34	
43	58	C	22	6		00.00	00.00	720	6H	5	2.82	34	
44	58	C	<20	1		00.00	00.00	720	3H	5	2.78	34	
44	58	C	40	2		00.00	00.00	720	3H	5	8.52	34	
44	58	C	32	3		00.00	00.00	720	3H	5	7.31	34	
44	58	C	45	4		00.00	00.00	720	3H	5	11.29	34	
44	58	C	34	5		00.00	00.00	720	3H	5	6.07	34	
2	59	C	25	TS		02.80	00.00	720	6H	5	1.99	34	
3	59	C	38	TS		03.20	00.00	720	6H	5	0.84	34	
3	59	C	34	4		00.00	00.00	720	6H	5	4.93	34	
4	59	C	44	TS		02.20	00.00	720	6H	1	1.72	34	
4	59	C	26	3		00.00	00.00	720	6H	5	6.43	34	
4	59	C	20	4		00.00	00.00	720	6H	5	5.05	34	
5	59	C	26	3		00.00	00.00	720	6H	5	6.53	34	
5	59	C	23	4		00.00	00.00	720	6H	5	5.22	34	
6	59	C	29	3		00.00	00.00	720	6H	5	6.48	34	
6	59	C	21	4		00.00	00.00	720	6H	5	6.84	34	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
7	59	C	22	3		00.00	00.00	720	6H	5	4.56	34	
8	59	C	<20	TS		32.20	00.00	720	6H	1	2.38	34	
9	59	C	<20	TS		06.20	00.00	720	6H	1	1.74	34	
12	59	C	32	TS		11.00	00.00	720	2H	1	1.35	34	
13	59	C	34	TS		12.10	00.00	720	2H	5	1.35	34	
14	59	C	30	TS		12.10	00.00	720	2H	5	1.28	34	
15	59	C	27	TS		12.10	00.00	720	2H	5	1.17	34	
17	59	C	28	TS		13.40	00.00	720	2H	1	1.72	34	
18	59	C	29	TS		14.00	00.00	720	2H	5	1.59	34	
19	59	C	22	TS		12.90	00.00	720	2H	5	2.63	34	
20	59	C	73	TS		13.10	00.00	720	2H	5	1.34	44	
21	59	C	37	TS		14.10	00.00	720	2H	1	3.11	34	
22	59	C	74	TS		10.50	00.00	720	2H	5	0.66	44	
22	59	C	36	TS		14.60	00.00	720	2H	1	1.46	34	
23	59	C	37	TS		12.20	00.00	720	2H	1	1.35	34	
24	59	C	40	TS		07.50	00.00	720	2H	1	4.43	34	
25	59	C	27	TS		03.80	00.00	720	2H	1	1.39	34	
27	59	C	27	TS		06.60	00.00	720	2H	5	0.94	34	
29	59	C	26	TS		06.00	00.00	720	2H	5	1.04	34	
30	59	C	27	TS		03.60	00.00	720	2H	1	2.07	34	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	59	C	43	TS		00.00	00.00	720	2H	5	5.54	34	
33	59	C	28	TS		02.80	00.00	720	2H	1	1.40	34	
42	59	C	21	1		00.00	00.00	720	6H	5	4.05	34	
42	59	C	<20	2		00.00	00.00	720	6H	5	3.60	34	
42	59	C	31	3		00.00	00.00	720	6H	5	8.43	34	
42	59	C	22	4		00.00	00.00	720	6H	5	7.34	34	
42	59	C	<20	5		00.00	00.00	720	6H	5	3.27	34	
43	59	C	26	1		00.00	00.00	720	6H	5	5.66	34	
43	59	C	40	2		00.00	00.00	720	6H	5	9.92	34	
43	59	C	36	3		00.00	00.00	720	6H	5	9.65	34	
43	59	C	29	4		00.00	00.00	720	6H	5	6.51	34	
43	59	C	50	4		01.40	00.00	720	6H	1	1.10	44	
43	59	C	20	5		00.00	00.00	720	6H	5	3.64	34	
43	59	C	28	5		01.00	00.00	720	6H	1	5.26	34	
2	60	C	31	TS		03.60	00.00	720	6H	1	1.61	34	
2	60	C	29	3		00.00	00.00	720	6H	5	6.27	34	
2	60	C	<20	4		00.00	00.00	720	6H	5	4.85	34	
3	60	C	26	3		00.00	00.00	720	6H	5	7.55	34	
3	60	C	21	4		00.00	00.00	720	6H	5	7.19	34	
4	60	C	22	3		00.00	00.00	720	6H	5	6.42	34	
4	60	C	29	4		00.00	00.00	720	6H	5	4.47	34	
5	60	C	22	3		00.00	00.00	720	6H	5	6.40	34	
5	60	C	<20	4		00.00	00.00	720	6H	5	4.62	34	
6	60	C	21	3		00.00	00.00	720	6H	5	7.62	34	
7	60	C	38	3		00.00	00.00	720	6H	5	6.25	34	
8	60	C	29	3		00.00	00.00	720	6H	5	5.15	34	
13	60	C	51	TS		11.50	00.00	720	2H	1	1.84	44	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	60	C	43	TS		12.50	00.00	720	2H	1	1.77	34	
15	60	C	38	TS		12.20	00.00	720	2H	1	3.06	34	
16	60	C	21	TS		11.90	00.00	720	2H	1	5.90	34	
17	60	C	31	TS		12.60	00.00	720	2H	1	2.35	34	
18	60	C	27	TS		13.50	00.00	720	2H	1	0.96	34	
19	60	C	37	TS		14.10	00.00	720	2H	1	1.55	34	
20	60	C	34	TS		12.60	00.00	720	2H	1	2.12	34	
20	60	C	37	TS		14.10	00.00	720	2H	1	1.55	34	
21	60	C	52	TS		13.90	00.00	720	2H	1	1.84	44	
22	60	C	25	TS		14.80	00.00	720	2H	1	6.02	34	
25	60	C	22	TS		06.80	00.00	720	2H	1	1.88	34	
27	60	C	32	TS		05.90	00.00	720	2H	1	1.06	34	
28	60	C	25	TS		02.10	00.00	720	2H	1	0.79	34	
30	60	C	32	TS		03.60	00.00	720	2H	1	1.81	34	
31	60	C	22	TS		02.10	00.00	720	2H	5	1.50	34	
32	60	C	28	TS		01.10	00.00	720	2H	1	1.14	34	
33	60	C	33	TS		00.00	00.00	720	2H	5	6.08	34	
34	60	C	22	TS		00.00	00.00	720	2H	5	4.02	34	
42	60	C	26	1		00.00	00.00	720	6H	5	4.08	34	
42	60	C	27	2		00.00	00.00	720	6H	5	4.97	34	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
42	60	C	27	3		00.00	00.00	720	6H	5	8.18	34	
42	60	C	29	4		00.00	00.00	720	6H	5	5.58	34	
42	60	C	32	5		00.00	00.00	720	6H	5	1.79	34	
42	60	C	29	6		00.00	00.00	720	6H	5	3.32	34	
43	60	C	34	1		00.00	00.00	720	6H	5	5.05	34	
43	60	C	29	2		00.00	00.00	720	6H	5	4.91	34	
43	60	C	33	3		00.00	00.00	720	6H	5	10.15	34	
43	60	C	43	4		00.00	00.00	720	6H	5	8.37	34	
43	60	C	37	5		00.00	00.00	720	6H	5	8.45	34	
2	61	C	21	3		00.00	00.00	720	6H	5	5.66	34	
2	61	C	20	4		00.00	00.00	720	6H	5	6.68	34	
3	61	C	27	3		00.00	00.00	720	6H	5	7.14	34	
3	61	C	25	4		00.00	00.00	720	6H	5	6.71	34	
4	61	C	50	3		00.00	00.00	720	6H	5	3.36	44	
4	61	C	21	4		00.00	00.00	720	6H	5	4.49	34	
5	61	C	<20	TS		02.60	00.00	720	6H	1	2.01	34	
5	61	C	31	3		00.00	00.00	720	6H	5	6.91	34	
6	61	C	31	3		00.00	00.00	720	6H	5	9.36	34	
7	61	C	37	3		00.00	00.00	720	6H	5	4.44	34	
8	61	C	<20	TS		06.80	00.00	720	6H	1	1.48	34	
8	61	C	20	4		00.00	00.00	720	6H	5	3.76	34	
9	61	C	34	TS		12.20	00.00	720	6H	1	1.65	34	
12	61	C	41	TS		12.10	00.00	720	2H	1	2.37	34	
13	61	C	44	TS		12.50	00.00	720	1H	1	2.20	34	
14	61	C	41	TS		12.50	00.00	720	6H	1	5.30	34	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
15	61	C	29	TS		12.80	00.00	720	2H	1	4.37	34	
16	61	C	41	TS		12.60	00.00	720	2H	1	3.49	34	
17	61	C	27	TS		12.50	00.00	720	2H	1	4.68	34	
18	61	C	29	TS		12.80	00.00	720	6H	1	5.75	34	
19	61	C	27	TS		14.70	00.00	720	2H	1	3.10	34	
20	61	C	33	TS		14.80	00.00	720	2H	1	5.05	34	
22	61	C	<20	TS		13.10	00.00	720	6H	1	1.92	34	
23	61	C	24	TS		09.70	00.00	720	1H	1	0.90	34	
26	61	C	71	TS		07.00	00.00	720	2H	1	1.13	44	
30	61	C	29	TS		05.90	00.00	720	6H	5	1.21	34	
33	61	C	<20	TS		00.00	00.00	720	2H	5	3.61	34	
34	61	C	<20	TS		00.00	00.00	720	6H	5	3.70	34	
42	61	C	<20	1		00.00	00.00	720	3H	5	3.24	35	
42	61	C	<20	3		00.00	00.00	720	3H	5	2.61	35	
42	61	C	26	4		00.00	00.00	720	3H	5	6.30	35	
43	61	C	<20	1		00.00	00.00	720	3H	5	2.23	35	
43	61	C	32	2		00.00	00.00	720	3H	5	2.82	35	
43	61	C	31	3		00.00	00.00	720	3H	5	6.31	35	
43	61	C	58	4		00.00	00.00	720	6H	5	14.35	44	
43	61	C	39	5		00.00	00.00	720	3H	5	5.28	35	
2	62	C	<20	4		00.00	00.00	720	6H	5	2.48	35	
3	62	C	53	3		00.00	00.00	720	6H	5	7.39	44	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	62	C	24	4		00.00	00.00	720	6H	5	3.84	35	
4	62	C	37	3		00.00	00.00	720	6H	5	5.00	35	
4	62	C	21	4		00.00	00.00	720	6H	5	3.23	35	
5	62	C	27	TS		03.10	00.00	720	6H	5	1.71	35	
5	62	C	30	3		00.00	00.00	720	6H	5	8.15	35	
5	62	C	<20	4		00.00	00.00	720	6H	5	3.89	35	
6	62	C	<20	3		00.00	00.00	720	6H	5	5.99	35	
7	62	C	<20	3		00.00	00.00	720	6H	5	5.28	35	
8	62	C	31	3		00.00	00.00	720	6H	5	4.39	35	
9	62	C	<20	3		00.00	00.00	720	6H	5	2.82	35	
9	62	C	<20	4		00.00	00.00	720	6H	5	3.55	35	
12	62	C	31	TS		13.60	00.00	720	2H	5	2.03	35	
13	62	C	36	TS		13.20	00.00	720	2H	5	2.99	35	
14	62	C	27	TS		12.50	00.00	720	2H	5	1.66	35	
15	62	C	25	TS		13.20	00.00	720	2H	5	2.28	35	
16	62	C	<20	TS		12.90	00.00	720	2H	5	3.27	35	
17	62	C	25	TS		13.20	00.00	720	2H	5	2.32	35	
18	62	C	26	TS		13.60	00.00	720	2H	5	2.76	35	
19	62	C	<20	TS		13.90	00.00	720	2H	5	1.60	35	
20	62	C	<20	TS		12.80	00.00	720	1H	5	2.15	35	
22	62	C	<20	TS		13.60	00.00	720	2H	5	1.43	35	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	62	C	37	TS		10.40	00.00	720	2H	5	1.66	35	
25	62	C	<20	TS		10.10	00.00	720	2H	5	1.19	35	
29	62	C	26	TS		02.80	00.00	720	1H	5	1.10	35	
2	63	C	<20	2		00.00	00.00	720	6H	5	2.15	44	
2	63	C	29	3		00.00	00.00	720	6H	5	4.21	44	
2	63	C	<20	4		00.00	00.00	720	6H	5	4.56	44	
3	63	C	46	3		00.00	00.00	720	6H	5	5.43	35	
4	63	C	36	1		00.00	00.00	720	6H	5	3.14	35	
4	63	C	47	3		00.00	00.00	720	6H	5	3.49	35	
4	63	C	<20	4		00.00	00.00	720	6H	5	2.76	35	
5	63	C	27	3		00.00	00.00	720	6H	5	6.54	35	
6	63	C	24	1		00.00	00.00	720	6H	5	2.33	35	
6	63	C	29	3		00.00	00.00	720	6H	5	6.76	35	
6	63	C	<20	4		00.00	00.00	720	6H	5	2.50	35	
7	63	C	31	3		00.00	00.00	720	6H	5	5.38	35	
8	63	C	27	3		00.00	00.00	720	6H	5	4.51	35	
11	63	C	<20	TS		12.30	00.00	720	2H	5	0.84	35	
13	63	C	38	TS		10.40	00.00	720	2H	5	1.64	35	
15	63	C	<20	TS		13.90	00.00	720	2H	5	1.81	35	
16	63	C	29	TS		13.70	00.00	720	2H	5	1.40	35	
17	63	C	22	TS		12.70	00.00	720	2H	5	2.07	35	
18	63	C	<20	TS		13.40	00.00	720	2H	5	1.95	35	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	-----	-----	-----
18	63	C	<20	TS		17.20	00.00	720	2H	5	2.04	35	
19	63	C	<20	TS		16.20	00.00	720	2H	5	1.53	35	
20	63	C	<20	TS		13.50	00.00	720	1H	5	2.27	35	
20	63	C	<20	TS		16.70	00.00	720	1H	5	3.91	35	
21	63	C	<20	TS		09.70	00.00	720	1H	5	2.24	35	
21	63	C	38	TS		13.90	00.00	720	1H	5	2.54	35	
22	63	C	<20	TS		08.80	00.00	720	2H	5	2.43	35	
23	63	C	<20	TS		10.10	00.00	720	1H	5	1.44	35	
26	63	C	<20	TS		07.20	00.00	720	1H	5	1.17	35	
2	64	C	25	TS		03.90	00.00	720	6H	5	2.02	35	
2	64	C	22	3		00.00	00.00	720	6H	5	5.13	35	
2	64	C	26	4		00.00	00.00	720	6H	5	5.66	35	
3	64	C	<20	3		00.00	00.00	720	6H	5	4.95	47	
3	64	C	<20	4		00.00	00.00	720	6H	5	3.27	47	
4	64	C	62	1		00.00	00.00	720	6H	5	2.17	44	
4	64	C	49	3		00.00	00.00	720	6H	5	8.74	44	
5	64	C	<20	3		00.00	00.00	720	6H	5	4.11	44	
5	64	C	<20	4		00.00	00.00	700	6H	5	3.36	46	
10	64	C	21	TS		12.30	00.00	720	2H	5	1.03	35	
11	64	C	26	TS		08.00	00.00	720	2H	5	0.89	35	
13	64	C	24	TS		11.80	00.00	720	2H	5	1.79	35	
14	64	C	35	TS		15.60	00.00	720	2H	5	1.34	35	
15	64	C	30	TS		14.80	00.00	720	2H	5	2.20	35	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	64	C	<20	TS		14.50	00.00	720	2H	5	2.03	35	
20	64	C	24	TS		10.40	00.00	720	2H	5	2.96	35	
20	64	C	32	TS		14.10	00.00	720	2H	5	2.49	35	
21	64	C	<20	TS		01.50	00.00	720	1H	5	2.07	35	
21	64	C	27	TS		09.10	00.00	720	1H	5	4.82	35	
21	64	C	26	TS		16.40	00.00	720	1H	5	2.51	35	
22	64	C	<20	TS		08.50	00.00	720	2H	5	1.23	35	
23	64	C	<20	TS		09.70	00.00	720	2H	5	1.02	35	
26	64	C	<20	TS		07.50	00.00	720	1H	5	0.80	35	
29	64	C	<20	TS		06.30	00.00	720	1H	5	1.31	35	
30	64	C	<20	TS		04.80	00.00	720	1H	5	1.40	35	
32	64	C	57	TS		00.00	00.00	720	2H	5	2.90	44	
33	64	C	<20	1		00.00	00.00	720	1H	5	3.02	35	
36	64	C	<20	2		00.00	00.00	720	2H	5	1.00	35	
41	64	C	<20	4		00.00	00.00	720	6H	5	2.93	35	
2	65	C	<20	3		00.00	00.00	720	6H	5	4.83	35	
2	65	C	<20	4		00.00	00.00	720	6H	5	3.84	35	
3	65	C	24	1		00.00	00.00	720	6H	5	2.29	35	
3	65	C	35	3		00.00	00.00	720	6H	5	4.75	35	
4	65	C	22	1		00.00	00.00	720	6H	5	1.68	35	
4	65	C	58	3		00.00	00.00	720	6H	5	3.96	44	
4	65	C	<20	4		00.00	00.00	720	6H	5	3.06	35	
6	65	C	36	3		00.00	00.00	720	6H	5	5.16	35	

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LISTING OF INDICATIONS F CPL A COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	65	C	<20	TS		09.60	00.00	720	6H	5	1.04	35	
10	65	C	24	TS		12.70	00.00	720	6H	5	1.04	35	
11	65	C	24	TS		09.60	00.00	720	2H	5	1.23	35	
13	65	C	21	TS		10.70	00.00	720	1H	5	3.40	35	
14	65	C	24	TS		10.70	00.00	720	6H	5	1.17	35	
15	65	C	<20	TS		10.50	00.00	720	2H	5	1.34	35	
16	65	C	<20	TS		11.00	00.00	720	2H	5	2.37	35	
17	65	C	37	TS		11.60	00.00	720	2H	5	0.91	35	
18	65	C	31	TS		12.70	00.00	720	6H	5	0.75	35	
19	65	C	<20	TS		10.70	00.00	720	2H	5	1.31	35	
20	65	C	30	TS		12.40	00.00	720	2H	5	2.60	35	
21	65	C	27	TS		08.60	00.00	720	1H	5	1.44	35	
22	65	C	23	TS		06.30	00.00	720	6H	5	0.64	35	
22	65	C	<20	TS		08.50	00.00	720	6H	5	0.80	35	
22	65	C	41	1		00.00	00.00	720	6H	5	1.36	35	
22	65	C	<20	4		00.00	00.00	720	6H	5	2.95	35	
23	65	C	20	TS		11.00	00.00	720	1H	5	2.34	35	
26	65	C	<20	TS		02.50	00.00	720	3H	5	1.03	35	
31	65	C	<20	2		00.00	00.00	720	2H	5	5.09	35	
32	65	C	<20	1		00.00	00.00	720	1H	5	5.84	35	
34	65	C	<20	TS		00.00	00.00	720	3H	5	1.67	35	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	65	C	<20	5		00.00	00.00	720	3H	5	2.93	35	
34	65	C	34	6		00.00	00.00	720	3H	5	2.47	35	
2	66	C	<20	TS		02.20	00.00	720	6H	5	1.38	35	
3	66	C	<20	TS		05.30	00.00	720	6H	5	1.07	35	
3	66	C	21	3		00.00	00.00	720	6H	5	6.20	35	
4	66	C	23	TS		06.50	00.00	720	6H	5	2.05	35	
4	66	C	27	1		00.00	00.00	720	6H	5	3.41	35	
4	66	C	39	3		00.00	00.00	720	6H	5	8.15	35	
4	66	C	<20	4		00.00	00.00	720	6H	5	5.46	35	
8	66	C	23	TS		14.80	00.00	720	6H	5	0.64	35	
9	66	C	<20	TS		11.00	00.00	720	6H	5	1.24	35	
10	66	C	<20	TS		08.20	00.00	720	1H	5	0.88	35	
12	66	C	31	TS		11.50	00.00	720	2H	5	0.75	35	
13	66	C	<20	TS		09.70	00.00	720	2H	5	0.71	35	
14	66	C	39	TS		20.00	00.00	720	1H	5	1.05	35	
14	66	C	<20	TS		29.00	00.00	720	1H	5	0.87	35	
15	66	C	23	TS		10.40	00.00	720	2H	5	1.09	35	
20	66	C	<20	TS		12.40	00.00	720	1H	5	1.23	35	
21	66	C	21	TS		09.10	00.00	720	1H	5	1.50	35	
22	66	C	<20	TS		09.70	00.00	720	1H	5	0.99	35	
23	66	C	<20	TS		10.70	00.00	720	2H	5	2.01	35	
24	66	C	23	TS		30.00	00.00	720	2H	5	0.86	35	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	66	C	20	TS		08.00	00.00	720	1H	5	2.05	35	
26	66	C	<20	TS		07.00	00.00	720	1H	5	1.51	35	
27	66	C	<20	TS		04.40	00.00	720	1H	5	1.13	35	
29	66	C	31	TS		02.60	00.00	720	1H	5	0.75	35	
30	66	C	<20	TS		01.70	00.00	720	1H	5	1.48	35	
31	66	C	41	TS		00.00	00.00	720	1H	5	3.25	35	
32	66	C	<20	TS		01.50	00.00	720	2H	5	0.92	35	
33	66	C	41	TS		00.00	00.00	720	1H	5	1.52	35	
2	67	C	28	TS		02.20	00.00	720	6H	5	2.30	35	
3	67	C	<20	3		00.00	00.00	720	6H	5	4.72	35	
4	67	C	23	3		00.00	00.00	720	6H	5	5.42	35	
4	67	C	<20	4		00.00	00.00	720	6H	5	5.73	35	
8	67	C	<20	TS		08.60	00.00	720	6H	5	1.50	35	
9	67	C	<20	TS		11.30	00.00	720	6H	5	1.08	35	
11	67	C	<20	TS		13.90	00.00	720	1H	5	1.30	35	
11	67	C	<20	TS		40.70	00.00	720	1H	5	0.97	35	
15	67	C	<20	TS		02.50	00.00	720	2H	5	0.98	35	
16	67	C	<20	1		00.00	00.00	720	2H	5	2.54	35	
17	67	C	<20	TS		11.00	00.00	720	2H	5	1.25	35	
17	67	C	<20	TS		16.40	00.00	720	2H	5	1.86	35	
18	67	C	27	TS		16.40	00.00	720	1H	5	0.81	35	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	67	C	<20	TS		06.30	00.00	720	2H	5	0.89	35	
20	67	C	24	TS		08.60	00.00	720	2H	5	1.91	35	
21	67	C	37	TS		08.00	00.00	720	2H	5	2.40	35	
22	67	C	<20	TS		08.30	00.00	720	2H	5	2.19	35	
23	67	C	30	TS		08.50	00.00	720	2H	5	3.25	35	
24	67	C	<20	TS		05.60	00.00	720	2H	5	1.33	35	
25	67	C	<20	TS		02.20	00.00	720	1H	5	1.14	35	
25	67	C	<20	TS		07.60	00.00	720	1H	5	2.17	35	
26	67	C	<20	TS		04.10	00.00	720	2H	5	1.55	35	
27	67	C	<20	TS		03.90	00.00	720	1H	5	1.85	35	
28	67	C	<20	TS		03.70	00.00	720	1H	5	0.88	35	
29	67	C	<20	TS		02.50	00.00	720	1H	5	1.50	35	
2	68	C	<20	TS		01.30	00.00	720	6H	5	1.51	36	
5	68	C	37	TS		20.70	00.00	720	6H	1	1.06	36	
24	68	C	40	TS		06.40	00.00	720	1H	1	1.36	36	
24	68	C	46	TS		07.60	00.00	720	1H	1	1.86	36	
25	68	C	29	TS		02.60	00.00	720	2H	5	2.29	36	
26	68	C	25	TS		06.00	00.00	720	1H	5	1.04	36	
2	69	C	29	TS		02.50	00.00	720	6H	5	1.74	36	
4	69	C	23	3		00.00	00.00	720	6H	5	4.34	36	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	69	C	23	4		00.00	00.00	720	6H	5	3.80	36	
5	69	C	<20	TS		11.30	00.00	720	6H	5	1.40	36	
23	69	C	35	TS		06.30	00.00	720	1H	5	2.10	36	
23	69	C	45	TS		07.30	00.00	720	1H	5	2.63	36	
24	69	C	25	TS		05.70	00.00	720	2H	5	0.88	36	
24	69	C	<20	TS		07.10	00.00	720	2H	5	1.56	36	
25	69	C	31	TS		02.40	00.00	720	1H	5	1.29	36	
25	69	C	45	TS		06.20	00.00	720	1H	5	1.07	36	
27	69	C	36	TS		03.60	00.00	720	2H	1	1.58	36	
31	69	C	47	TS		00.00	00.00	720	2H	5	1.93	36	
3	70	C	<20	1		00.00	00.00	720	6H	5	1.74	36	
3	70	C	26	3		00.00	00.00	720	6H	5	4.68	36	
4	70	C	<20	3		00.00	00.00	720	6H	5	2.84	36	
7	70	C	<20	TS		00.90	00.00	720	6H	5	2.88	36	
8	70	C	44	TS		13.60	00.00	720	6H	1	0.57	36	
8	70	C	24	TS		14.00	00.00	720	6H	1	0.83	36	
9	70	C	24	TS		09.90	00.00	720	6H	5	0.63	36	
10	70	C	25	TS		08.80	00.00	720	2H	5	0.75	36	
11	70	C	29	TS		07.50	00.00	720	2H	5	0.80	36	
20	70	C	<20	TS		07.70	00.00	720	2H	1	1.62	36	
21	70	C	23	TS		06.60	00.00	720	1H	1	1.82	36	
22	70	C	20	TS		06.20	00.00	720	1H	5	1.09	36	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	71	C	38	TS		00.00	00.00	720	1H	5	1.11	36	
3	72	C	31	TS		01.00	06.50	720	6H	1	2.21	36	
5	72	C	38	TS		21.50	00.00	720	6H	1	0.51	36	
8	72	C	38	TS		07.80	00.00	720	6H	1	1.72	36	
8	72	C	35	TS		-14.80	-22.00	720	TSH	1	1.59	45	
10	72	C	<20	TS		07.10	00.00	720	1H	1	2.79	36	
13	72	C	<20	TS		06.30	00.00	720	1H	1	1.39	36	
15	72	C	<20	TS		08.90	00.00	720	1H	1	1.33	36	
16	72	C	31	TS		04.40	00.00	720	1H	5	0.86	36	
16	72	C	34	TS		06.60	00.00	720	1H	5	0.48	36	
16	72	C	25	TS		07.90	00.00	720	1H	5	0.51	36	
16	72	C	29	TS		08.90	00.00	720	1H	5	1.12	36	
18	72	C	38	TS		06.60	00.00	720	1H	1	0.94	36	
3	73	C	39	TS		02.00	06.00	720	6H	1	1.07	36	
4	73	C	52	TS		04.30	00.00	720	2H	1	1.59	44	
5	73	C	32	TS		01.70	00.00	720	6H	1	1.15	36	
5	73	C	<20	TS		02.20	00.00	720	6H	1	2.53	36	
6	73	C	<20	TS		02.10	03.00	720	6H	1	3.43	36	
7	73	C	<20	TS		05.10	00.00	720	6H	1	1.34	36	
9	73	C	31	TS		06.70	00.00	720	6H	1	1.06	36	
10	73	C	27	TS		06.70	00.00	720	6H	1	1.49	36	
10	73	C	32	TS		19.60	00.00	720	6H	1	0.67	36	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	73	C	26	TS		06.70	00.00	720	1H	1	1.51	36	
12	73	C	<20	TS		06.00	09.00	720	1H	1	1.70	36	
13	73	C	25	TS		07.60	00.00	720	1H	1	0.75	36	
14	73	C	<20	TS		03.00	05.50	720	6H	1	1.56	36	
17	73	C	<20	TS		06.60	00.00	720	1H	1	1.96	36	
19	73	C	<20	TS		02.20	05.00	720	1H	1	2.11	36	
20	73	C	<20	TS		04.10	00.00	720	1H	1	1.96	36	
22	73	C	<20	TS		03.10	00.00	720	6H	1	1.25	36	
23	73	C	<20	TS		03.10	00.00	720	1H	1	1.02	36	
24	73	C	34	TS		02.80	00.00	720	1H	1	0.95	36	
25	73	C	29	TS		01.00	05.00	720	1H	1	1.58	36	
26	73	C	33	TS		01.40	00.00	720	6H	1	0.99	36	
29	73	C	<20	TS		00.00	00.00	720	1H	5	3.29	36	
31	73	C	25	TS		00.00	00.00	720	1H	5	2.02	36	
3	74	C	44	TS		01.00	05.00	720	6H	1	1.70	36	
4	74	C	38	TS		02.40	00.00	720	6H	1	1.66	36	
8	74	C	<20	TS		18.40	00.00	720	6H	1	1.50	36	
8	74	C	26	TS		-20.00	-22.00	720	TSH	1	4.38	45	
9	74	C	<20	TS		05.30	00.00	720	6H	1	1.39	36	
11	74	C	38	TS		03.00	09.00	720	1H	1	0.76	36	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	74	C	22	TS		06.30	00.00	720	1H	1	1.99	36	
14	74	C	27	TS		06.00	00.00	720	1H	1	2.52	36	
15	74	C	<20	TS		02.60	00.00	720	1H	1	1.56	36	
16	74	C	24	TS		02.00	05.80	720	1H	1	1.65	36	
22	74	C	<20	TS		01.90	00.00	720	1H	1	1.95	36	
23	74	C	<20	TS		01.90	00.00	720	1H	1	1.11	36	
31	74	C	29	TS		00.00	00.00	720	1H	5	2.38	36	
4	75	C	24	TS		02.20	00.00	720	6H	1	2.41	36	
4	75	C	<20	TS		09.00	00.00	720	6H	1	1.72	36	
5	75	C	<20	TS		11.60	00.00	720	6H	1	1.73	36	
7	75	C	<20	TS		01.90	02.90	720	6H	1	1.06	36	
8	75	C	24	TS		01.50	04.20	720	6H	1	2.30	36	
8	75	C	<20	TS		15.80	00.00	720	6H	1	1.23	36	
9	75	C	21	TS		01.50	04.80	720	6H	1	1.81	36	
11	75	C	38	TS		02.50	00.00	720	1H	1	1.33	36	
12	75	C	<20	TS		02.70	00.00	720	1H	1	1.72	36	
16	75	C	32	TS		02.30	00.00	720	1H	1	0.75	36	
26	75	C	<20	TS		00.00	00.00	720	1H	5	7.83	36	
31	75	C	28	TS		00.00	00.00	720	6H	5	2.49	37	
3	76	C	<20	TS		02.10	00.00	720	1H	1	1.88	37	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	76	C	<20	TS		-18.10	-22.00	720	1H	1	1.98	37	
9	76	C	27	TS		02.40	00.00	720	1H	1	2.41	37	
9	76	C	36	TS		-19.50	-22.00	720	TSH	1	2.35	45	
16	76	C	<20	TS		04.20	00.00	720	1H	1	2.16	37	
33	76	C	32	1		00.00	00.00	720	6H	5	1.99	37	
33	76	C	32	2		00.00	00.00	720	6H	5	2.20	37	
33	76	C	25	3		00.00	00.00	720	6H	5	3.73	37	
33	76	C	40	5		00.00	00.00	720	6H	5	2.39	37	
2	77	C	93	TS		00.00	00.00	720	2H	5	4.52	44	
5	77	C	31	1		07.60	00.00	720	1H	1	1.44	47	
19	77	C	<20	TS		01.20	00.00	720	1H	1	3.99	37	
34	77	C	36	1		00.00	00.00	720	6H	5	2.15	37	
34	77	C	29	2		00.00	00.00	720	6H	5	4.85	37	
34	77	C	29	3		00.00	00.00	720	6H	5	3.25	37	
2	78	C	60	TS		00.00	00.00	720	2H	5	2.12	44	
4	78	C	<20	TS		00.00	00.00	720	1H	1	4.33	37	
9	78	C	<20	TS		01.50	00.00	720	1H	1	1.71	37	
10	78	C	<20	TS		01.30	00.00	720	1H	1	2.00	37	
10	78	C	96	TS		03.70	00.00	720	1H	1	1.69	47	
31	78	C	36	1		00.00	00.00	720	6H	5	3.65	37	
31	78	C	39	2		00.00	00.00	720	6H	5	7.66	37	
4	79	C	<20	TS		03.20	00.00	720	1H	1	2.61	37	
7	79	C	<20	TS		04.20	00.00	720	1H	1	1.71	37	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	79	C	<20	TS		02.40	00.00	720	1H	1	3.00	37	
9	79	C	22	TS		01.80	00.00	720	1H	1	2.91	37	
10	79	C	20	TS		02.10	00.00	720	1H	1	3.79	37	
11	79	C	<20	TS		01.80	00.00	720	1H	1	3.46	37	
13	79	C	<20	TS		01.90	00.00	720	1H	1	4.04	37	
19	79	C	47	TS		00.00	00.00	720	1H	5	2.75	37	
30	79	C	32	1		00.00	00.00	720	6H	5	4.04	37	
30	79	C	34	2		00.00	00.00	720	6H	5	6.57	37	
30	79	C	33	3		00.00	00.00	720	6H	5	6.81	37	
30	79	C	22	4		00.00	00.00	720	6H	5	3.12	37	
30	79	C	24	5		00.00	00.00	720	6H	5	2.20	37	
4	80	C	<20	TS		03.00	00.00	720	1H	1	3.23	37	
6	80	C	44	1		00.00	00.00	720	1H	5	2.33	37	
9	80	C	<20	TS		03.30	00.00	720	1H	1	8.15	37	
10	80	C	66	TS		00.00	00.00	720	2H	5	4.64	44	
11	80	C	67	TS		00.00	00.00	720	2H	5	3.08	44	
12	80	C	78	TS		00.00	00.00	720	2H	5	3.52	44	
13	80	C	62	TS		00.00	00.00	720	2H	5	2.51	44	
14	80	C	62	TS		00.00	00.00	720	2H	5	2.69	44	
15	80	C	52	TS		00.00	00.00	720	2H	5	2.33	44	
29	80	C	39	1		00.00	00.00	720	6H	5	2.24	37	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	80	C	39	2		00.00	00.00	720	6H	5	3.89	37	
29	80	C	32	3		00.00	00.00	720	6H	5	4.96	37	
30	80	C	43	1		00.00	00.00	720	6H	5	9.10	37	
30	80	C	38	2		00.00	00.00	720	6H	5	6.82	37	
30	80	C	41	3		00.00	00.00	720	6H	5	8.38	37	
30	80	C	30	4		00.00	00.00	720	6H	5	2.75	37	
30	80	C	43	5		00.00	00.00	720	6H	5	4.53	37	
3	81	C	26	1		00.00	00.00	720	1H	5	2.51	37	
9	81	C	48	TS		00.00	00.00	720	2H	5	7.09	44	
10	81	C	66	TS		00.00	00.00	720	2H	5	2.59	44	
11	81	C	50	TS		00.00	00.00	720	2H	5	5.21	44	
12	81	C	52	TS		00.00	00.00	720	2H	5	3.56	44	
13	81	C	51	TS		00.00	00.00	720	2H	5	5.46	44	
14	81	C	44	TS		00.00	00.00	720	6H	5	2.13	37	
16	81	C	45	TS		00.00	00.00	720	1H	5	1.66	37	
29	81	C	34	2		00.00	00.00	720	6H	5	6.87	37	
29	81	C	25	3		00.00	00.00	720	6H	5	3.25	37	
30	81	C	46	1		00.00	00.00	720	6H	5	4.56	37	
30	81	C	33	2		00.00	00.00	720	6H	5	4.21	37	
30	81	C	41	3		00.00	00.00	720	6H	5	4.31	37	
30	81	C	41	4		00.00	00.00	720	6H	5	3.32	37	
30	81	C	34	5		00.00	00.00	720	6H	5	1.98	37	
3	82	C	26	1		00.00	00.00	720	1H	5	2.82	37	
17	87	C	26	6		06.90	00.00	720	6H	5	1.85	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC1 ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	88	C	21	3		00.00	00.00	720	6H	5	3.81	38	
10	88	C	29	2		00.00	00.00	720	6H	5	2.23	38	
10	88	C	38	3		00.00	00.00	720	6H	5	8.92	38	
10	88	C	36	4		00.00	00.00	720	6H	5	3.46	38	
10	88	C	24	5		00.00	00.00	720	6H	5	4.37	38	
12	88	C	22	2		00.00	00.00	720	6H	5	3.25	38	
12	88	C	24	3		00.00	00.00	720	6H	5	5.23	38	
12	88	C	25	4		00.00	00.00	720	6H	5	5.42	38	
13	88	C	30	3		00.00	00.00	720	6H	5	6.05	38	
13	88	C	21	4		00.00	00.00	720	6H	5	3.81	38	
14	88	C	25	3		00.00	00.00	720	6H	5	5.94	38	
15	88	C	24	5		39.30	00.00	720	6H	5	5.97	38	
16	88	C	21	5		00.00	00.00	720	6H	5	6.13	38	
8	89	C	22	1		00.90	00.00	720	6H	5	1.92	38	
8	89	C	25	2		00.00	00.00	720	6H	5	2.68	38	
8	89	C	32	3		00.00	00.00	720	6H	5	8.24	38	
9	89	C	<20	1		00.00	00.00	720	6H	5	2.84	38	
9	89	C	27	2		00.00	00.00	720	6H	5	2.91	38	
9	89	C	33	3		00.00	00.00	720	6H	5	6.92	38	
9	89	C	<20	4		00.00	00.00	720	6H	5	3.07	38	
10	89	C	31	1		00.00	00.00	720	6H	5	4.15	38	
10	89	C	32	2		00.00	00.00	720	6H	5	4.26	38	
10	89	C	23	3		00.00	00.00	720	6H	5	5.15	38	
10	89	C	27	4		00.00	00.00	720	6H	5	5.01	38	
10	89	C	23	5		00.00	00.00	720	6H	5	3.52	38	
11	89	C	30	1		00.00	00.00	720	6H	5	3.79	38	
11	89	C	21	2		00.00	00.00	720	6H	5	2.06	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	89	C	28	3		00.00	00.00	720	6H	5	3.27	38	
11	89	C	30	4		00.00	00.00	720	6H	5	4.06	38	
12	89	C	32	1		00.00	00.00	720	6H	5	4.45	38	
12	89	C	33	2		00.00	00.00	720	6H	5	5.18	38	
12	89	C	27	2		01.30	00.00	720	6H	1	2.87	38	
12	89	C	26	2		03.10	00.00	720	6H	1	1.96	38	
12	89	C	25	3		00.00	00.00	720	6H	5	6.27	38	
12	89	C	29	4		00.00	00.00	720	6H	5	5.79	38	
12	89	C	28	4		01.80	00.00	720	6H	1	1.89	38	
12	89	C	28	4		03.10	00.00	720	6H	1	1.88	38	
12	89	C	<20	5		00.00	00.00	720	6H	5	3.42	38	
13	89	C	47	1		00.00	00.00	720	6H	5	9.49	38	
13	89	C	40	2		00.00	00.00	720	6H	5	7.19	38	
13	89	C	39	3		00.00	00.00	720	6H	5	7.69	38	
13	89	C	35	4		00.00	00.00	720	6H	5	7.59	38	
13	89	C	<20	5		00.00	00.00	720	6H	5	4.11	38	
14	89	C	36	1		00.00	00.00	720	6H	5	4.11	38	
14	89	C	38	2		00.00	00.00	720	6H	5	9.80	38	
14	89	C	37	3		00.00	00.00	720	6H	5	10.79	38	
14	89	C	<20	4		00.00	00.00	720	6H	5	4.09	38	
14	89	C	<20	5		00.00	00.00	720	6H	5	5.27	38	
15	89	C	23	2		00.00	00.00	720	6H	5	2.89	38	
15	89	C	34	3		00.00	00.00	720	6H	5	9.03	38	
15	89	C	<20	4		00.00	00.00	720	6H	5	2.93	38	
15	89	C	<20	5		00.00	00.00	720	6H	5	7.28	38	
17	89	C	<20	5		00.00	00.00	720	6H	5	3.77	38	
7	90	C	<20	2		01.00	00.00	720	6H	5	1.58	38	
7	90	C	21	3		00.00	00.00	720	6H	5	2.78	38	
8	90	C	40	1		00.00	00.00	720	6H	5	3.56	38	
8	90	C	42	1		01.30	00.00	720	6H	5	2.21	38	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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8	90	C	36	2		00.00	00.00	720	6H	5	5.47	38	
8	90	C	46	3		00.00	00.00	720	6H	5	7.10	38	
8	90	C	44	3		01.80	00.00	720	6H	5	1.46	38	
8	90	C	35	4		00.00	00.00	720	6H	5	5.77	38	
8	90	C	<20	5		00.00	00.00	720	6H	5	3.64	38	
9	90	C	25	1		00.00	00.00	720	6H	5	3.32	38	
9	90	C	22	2		00.00	00.00	720	6H	5	3.11	38	
9	90	C	25	3		00.00	00.00	720	6H	5	2.90	38	
9	90	C	23	4		00.00	00.00	720	6H	5	2.89	38	
9	90	C	<20	5		00.00	00.00	720	6H	5	3.29	38	
10	90	C	29	1		00.00	00.00	720	6H	5	3.93	38	
10	90	C	35	2		00.00	00.00	720	6H	5	5.50	38	
10	90	C	28	3		00.00	00.00	720	6H	5	3.91	38	
10	90	C	26	4		00.00	00.00	720	6H	5	2.62	38	
10	90	C	28	4		02.00	00.00	720	6H	5	1.94	38	
10	90	C	27	4		02.80	00.00	720	6H	5	1.94	38	
10	90	C	27	5		00.00	00.00	720	6H	5	3.35	38	
11	90	C	29	1		00.00	00.00	720	6H	5	3.45	38	
11	90	C	29	2		00.00	00.00	720	6H	5	2.50	38	
11	90	C	24	3		00.00	00.00	720	6H	5	3.65	38	
11	90	C	27	3		03.00	00.00	720	6H	5	1.95	38	
11	90	C	27	4		00.00	00.00	720	6H	5	1.83	38	
11	90	C	35	4		02.20	00.00	720	6H	5	3.98	38	
11	90	C	28	5		01.00	00.00	720	6H	5	2.58	38	
13	90	C	39	1		00.00	00.00	720	6H	5	6.74	38	
13	90	C	33	2		00.00	00.00	720	6H	5	4.66	38	
13	90	C	26	2		00.80	00.00	720	6H	1	3.52	38	
13	90	C	33	2		01.50	00.00	720	6H	1	2.97	38	
13	90	C	29	2		03.00	00.00	720	6H	5	1.63	38	
13	90	C	37	3		00.00	00.00	720	6H	5	4.77	38	
13	90	C	26	3		02.40	00.00	720	6H	1	3.03	38	
13	90	C	38	4		00.00	00.00	720	6H	5	3.40	38	
13	90	C	29	5		00.00	00.00	720	6H	5	2.47	38	

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LISTING OF INDICATIONS FOR CPL A COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	-----	----	-----
13	90	C	29	6		00.00	00.00	720	6H	5	2.95	38	
14	90	C	25	1		00.00	00.00	720	6H	5	3.61	38	
14	90	C	30	2		00.00	00.00	720	6H	5	4.17	38	
14	90	C	33	3		00.00	00.00	720	6H	5	6.37	38	
14	90	C	26	3		01.40	00.00	720	6H	1	4.39	38	
14	90	C	27	4		00.00	00.00	720	6H	5	4.41	38	
14	90	C	21	6		00.00	00.00	720	6H	5	3.34	38	
15	90	C	21	3		00.00	00.00	720	6H	5	3.34	38	
15	90	C	26	3		01.80	00.00	720	6H	1	1.94	38	
15	90	C	21	4		00.00	00.00	720	6H	5	3.84	38	
15	90	C	26	6		00.00	00.00	720	6H	5	2.53	38	
7	91	C	32	2		00.00	00.00	720	6H	5	4.91	38	
7	91	C	23	3		00.00	00.00	720	6H	5	2.43	38	
8	91	C	34	1		00.00	00.00	720	6H	5	4.35	38	
8	91	C	21	2		00.00	00.00	720	6H	5	3.36	38	
8	91	C	24	3		00.00	00.00	720	6H	5	3.53	38	
8	91	C	<20	4		00.00	00.00	720	6H	5	3.52	38	
9	91	C	30	2		00.00	00.00	720	6H	5	5.52	38	
9	91	C	<20	3		00.00	00.00	720	6H	5	2.86	38	
9	91	C	25	4		00.00	00.00	720	6H	5	3.77	38	
9	91	C	41	4		01.80	00.00	720	6H	5	1.61	38	
9	91	C	27	5		00.00	00.00	720	6H	5	2.95	38	
10	91	C	<20	1		00.00	00.00	720	6H	5	3.42	38	
10	91	C	21	2		00.00	00.00	720	6H	5	2.26	38	
10	91	C	<20	3		00.00	00.00	720	6H	5	2.58	38	
10	91	C	25	4		00.00	00.00	720	6H	5	2.61	38	
10	91	C	<20	5		00.00	00.00	720	6H	5	2.44	38	
11	91	C	34	1		00.00	00.00	720	6H	5	2.27	38	
11	91	C	28	2		00.00	00.00	720	6H	5	1.68	38	
11	91	C	23	3		00.00	00.00	720	6H	5	2.90	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	91	C	34	3		02.00	00.00	720	6H	5	2.31	38	
11	91	C	30	4		00.00	00.00	720	6H	5	2.46	38	
11	91	C	21	4		02.10	00.00	720	6H	5	1.51	38	
11	91	C	23	5		00.00	00.00	720	6H	5	1.79	38	
12	91	C	39	1		00.00	00.00	720	6H	5	4.95	38	
12	91	C	35	2		00.00	00.00	720	6H	5	4.13	38	
12	91	C	34	2		02.00	00.00	720	6H	5	1.58	38	
12	91	C	40	2		03.40	00.00	720	6H	5	1.03	38	
12	91	C	40	3		00.00	00.00	720	6H	5	5.74	38	
12	91	C	46	3		01.80	00.00	720	6H	5	2.65	38	
12	91	C	30	4		00.40	00.00	720	6H	5	5.13	38	
12	91	C	34	4		01.90	00.00	720	6H	5	2.61	38	
12	91	C	29	4		03.00	00.00	720	6H	5	1.48	38	
12	91	C	29	5		00.00	00.00	720	6H	5	3.19	38	
12	91	C	33	6		00.00	00.00	720	6H	5	1.73	38	
7	92	C	<20	1		51.70	00.00	720	6H	5	3.63	38	
8	92	C	<20	1		00.00	00.00	720	6H	5	3.47	38	
8	92	C	<20	2		00.00	00.00	720	6H	5	3.93	38	
8	92	C	<20	3		00.00	00.00	720	6H	5	2.37	38	
8	92	C	<20	4		00.00	00.00	720	6H	5	2.86	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	2	H	28	2		02.10	00.00	700	UBH	5	1.15	25	
9	2	H	24	2		01.60	00.00	700	UBH	5	0.75	25	
9	2	H	42	3		02.10	00.00	700	UBH	5	1.53	25	
10	2	H	36	5		02.50	00.00	700	UBH	5	2.00	25	
11	2	H	<20	1		00.50	00.00	700	UBH	5	1.02	25	
11	2	H	24	4		02.90	00.00	700	UBH	5	1.39	25	
10	3	H	36	6		04.80	00.00	700	UBH	5	1.70	25	
11	3	H	<20	4		02.90	00.00	700	UBH	5	2.37	25	
12	3	H	39	2		02.20	00.00	700	UBH	5	1.43	25	
12	3	H	<20	4		02.60	00.00	700	UBH	5	1.58	25	
13	3	H	44	1		01.70	00.00	700	UBH	5	0.78	25	
15	3	H	34	1		00.00	00.00	700	UBH	5	1.90	25	
10	4	H	30	1		01.90	00.00	700	UBH	5	0.92	25	
10	4	H	20	3		00.00	00.00	700	UBH	5	2.34	25	
10	4	H	<20	4		00.00	00.00	700	UBH	5	2.52	25	
12	4	H	33	4		02.40	00.00	720	UBH	1	9.74	11	
13	4	H	23	1		06.20	00.00	720	UBH	1	1.31	11	
20	5	H	40	TS		15.70	00.00	720	UBH	1	2.85	11	
10	6	H	24	6		42.30	00.00	700	UBH	1	1.79	25	
11	6	H	<20	6		47.50	00.00	700	UBH	5	1.75	25	
16	6	H	25	6		04.40	00.00	720	UBH	1	2.02	11	

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LISTING OF INDICATIONS FOR PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
20	6	H	<20	6		51.40	00.00	720	UBH	1	5.86	11	
15	7	H	<20	6		00.00	00.00	720	UBH	1	4.91	11	
20	7	H	21	6		12.90	00.00	720	UBH	1	3.75	11	
4	8	H	<20	TS		00.90	00.00	700	UBH	1	1.24	25	
5	8	H	<20	TS		00.90	00.00	700	UBH	5	0.75	25	
4	10	H	<20	TS		01.60	00.00	700	UBH	5	0.69	25	
6	10	H	<20	TS		01.30	00.00	700	UBH	5	0.50	25	
8	10	H	<20	TS		00.90	00.00	700	UBH	5	0.67	25	
10	10	H	<20	TS		00.70	00.00	700	UBH	5	0.94	25	
1	11	H	<20	TS		02.10	00.00	720	6H	5	0.70	30	
4	11	H	<20	TS		01.60	00.00	700	UBH	1	1.39	25	
10	11	H	22	TS		00.90	00.00	700	UBH	5	0.90	25	
11	11	H	<20	TS		00.40	00.00	700	UBH	5	0.71	25	
3	12	H	<20	TS		02.10	00.00	720	6H	5	0.51	30	
3	12	H	<20	TS		02.80	00.00	650	UBH	5	0.62	30	
4	12	H	<20	TS		01.90	00.00	700	UBH	5	0.68	25	
10	12	H	47	TS		00.60	00.00	700	UBH	5	0.86	25	
7	13	H	31	TS		00.40	00.00	700	UBH	5	0.62	25	
21	13	H	<20	6		12.50	00.00	720	UBH	1	2.93	11	
26	14	H	24	6		10.90	00.00	720	UBH	1	1.74	12	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
4	15	H	<20	TS		01.90	00.00	700	UBH	1	1.56	26	
7	15	H	21	TS		01.90	00.00	700	UBH	5	0.83	26	
8	15	H	<20	TS		01.20	00.00	700	UBH	5	0.67	26	
9	15	H	31	TS		00.60	00.00	700	UBH	5	2.32	26	
34	16	H	40	TS		00.00	00.00	720	UBH	5	17.46	12	
34	16	H	42	TS		00.00	00.00	720	1H	1	8.50	34	
2	17	H	42	TS		00.00	00.00	720	6H	5	1.20	30	
4	17	H	<20	TS		01.60	00.00	720	1H	1	1.11	35	
4	17	H	29	TS		07.40	00.00	720	1H	1	1.05	35	
35	17	H	59	TS		00.00	00.00	720	UBH	5	18.15	12	
35	17	H	47	TS		00.00	00.00	720	1H	1	9.71	34	
35	17	H	25	V2		00.00	00.00	720	UBH	1	2.87	12	
4	18	H	21	TS		00.30	00.00	700	UBH	5	1.88	26	
5	18	H	<20	TS		00.00	00.00	700	UBH	5	1.09	26	
6	18	H	74	TS		00.10	00.00	720	1H	5	1.48	35	
6	18	H	<20	TS		06.00	00.00	700	UBH	5	0.94	26	
17	18	H	<20	TS		00.40	00.00	720	UBH	5	1.09	12	
33	18	H	26	6		05.00	00.00	720	UBH	5	0.72	12	
2	19	H	41	TS		00.00	00.00	720	6H	5	1.23	30	
16	19	H	27	TS		01.60	00.00	720	UBH	5	1.84	12	
17	19	H	56	TS		01.20	00.00	720	2H	1	3.12	33	
32	19	H	<20	V3		00.00	00.00	720	UBH	1	5.08	12	

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LISTING OF INDICATIONS F PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	20	H	<20	TS		02.40	00.00	720	6H	5	0.97	30	
1	20	H	<20	TS		03.20	00.00	650	UBH	5	0.98	30	
2	20	H	<20	TS		03.60	00.00	720	6H	5	1.08	30	
2	20	H	<20	TS		04.50	00.00	650	UBH	5	1.13	30	
7	20	H	41	TS		00.60	00.00	700	UBH	1	1.97	26	
7	20	H	21	TS		01.60	00.00	700	UBH	5	1.23	26	
9	20	H	40	TS		00.60	00.00	700	UBH	1	6.75	26	
9	20	H	26	TS		07.10	00.00	700	UBH	1	2.09	26	
10	20	H	<20	TS		00.00	00.00	700	UBH	1	8.09	26	
18	20	H	27	TS		03.50	00.00	720	UBH	5	1.35	12	
20	20	H	<20	TS		01.00	00.00	720	UBH	5	1.87	12	
37	20	H	<20	V2		00.00	00.00	720	UBH	5	1.24	13	
6	21	H	<20	TS		02.50	00.00	700	UBH	5	2.08	26	
7	21	H	20	TS		00.60	00.00	700	UBH	5	2.69	26	
12	21	H	74	TS		00.00	00.00	720	1H	5	4.08	33	
13	21	H	79	TS		00.00	00.00	720	1H	5	3.83	33	
17	21	H	26	TS		03.30	00.00	720	UBH	5	0.61	13	
18	21	H	45	TS		03.50	00.00	720	UBH	5	2.02	13	
20	21	H	41	TS		06.40	00.00	720	UBH	5	0.46	13	
24	21	H	<20	V3		00.00	00.00	720	UBH	5	1.92	13	
1	22	H	<20	TS		02.40	00.00	650	UBH	5	1.48	30	

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LISTING OF INDICATIONS FOR PL 8 HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ----	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	22	H	<20	TS		03.90	00.00	720	6H	5	1.42	30	
3	22	H	71	TS		00.00	00.00	650	UBH	5	3.87	30	
3	22	H	78	TS		00.00	00.00	720	6H	5	3.12	30	
6	22	H	<20	TS		02.30	00.00	700	UBH	5	1.24	26	
7	22	H	<20	TS		00.90	00.00	700	UBH	1	2.24	26	
8	22	H	<20	TS		00.00	00.00	700	UBH	5	0.96	26	
11	22	H	<20	TS		00.60	00.00	700	UBH	5	2.66	26	
11	22	H	<20	TS		02.20	00.00	700	UBH	5	3.00	26	
18	22	H	42	TS		07.50	00.00	720	UBH	5	0.73	13	
19	22	H	42	TS		03.90	00.00	720	UBH	5	0.85	13	
24	22	H	<20	V2		00.00	00.00	720	UBH	5	1.28	13	
24	22	H	<20	V3		00.00	00.00	720	UBH	5	1.30	13	
25	22	H	<20	V2		00.00	00.00	720	UBH	5	1.52	13	
25	22	H	<20	V3		00.00	00.00	720	UBH	5	1.90	13	
28	22	H	<20	V2		00.00	00.00	720	UBH	5	1.15	13	
30	22	H	<20	V2		00.00	00.00	720	UBH	5	0.99	13	
4	23	H	37	TS		02.20	00.00	700	UBH	5	0.69	26	
5	23	H	21	TS		02.20	00.00	700	UBH	5	1.09	26	
6	23	H	27	TS		00.40	00.00	700	UBH	1	2.12	26	
8	23	H	26	TS		02.90	00.00	700	UBH	5	0.90	26	
11	23	H	73	TS		00.90	00.00	720	1H	5	0.42	35	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	23	H	<20	TS		00.80	00.00	720	UBH	5	3.02	13	
23	23	H	<20	6		05.60	00.00	720	UBH	5	1.80	13	
33	23	H	<20	6		09.10	00.00	720	UBH	5	1.34	13	
3	24	H	88	TS		00.00	00.00	720	6H	5	3.55	31	
3	24	H	89	TS		00.00	00.00	650	UBH	5	4.10	30	
3	24	H	32	TS		01.60	00.00	720	6H	1	2.57	31	
6	24	H	<20	TS		00.00	00.00	700	UBH	1	2.20	26	
9	24	H	<20	TS		04.20	00.00	700	UBH	1	1.95	26	
10	24	H	<20	TS		00.60	00.00	700	UBH	1	4.07	26	
12	24	H	26	TS		00.00	00.00	720	UBH	5	3.51	13	
12	24	H	23	TS		01.00	00.00	720	UBH	5	1.66	13	
13	24	H	<20	TS		00.80	00.00	720	UBH	5	1.34	13	
16	24	H	40	TS		00.60	00.00	720	UBH	5	1.06	13	
18	24	H	48	TS		10.20	00.00	720	1H	1	1.91	33	
25	24	H	37	TS		02.70	00.00	720	UBH	5	0.90	13	
5	25	H	<20	TS		02.50	00.00	700	UBH	1	1.40	26	
6	25	H	25	TS		00.80	00.00	700	UBH	1	2.34	35	
7	25	H	<20	TS		03.20	00.00	700	UBH	5	0.93	26	
11	25	H	29	TS		00.90	00.00	700	UBH	5	1.69	26	
11	25	H	21	TS		04.20	00.00	700	UBH	5	0.79	26	
11	25	H	26	V2		00.00	00.00	700	UBH	5	0.90	26	
12	25	H	<20	TS		00.00	00.00	720	UBH	5	4.18	13	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	25	H	26	TS		01.70	00.00	720	UBH	5	2.05	13	
13	25	H	<20	TS		00.70	00.00	720	UBH	5	2.34	13	
15	25	H	<20	TS		02.00	00.00	720	UBH	5	0.83	13	
16	25	H	23	TS		00.00	00.00	720	UBH	5	4.08	13	
16	25	H	<20	TS		02.50	00.00	720	UBH	5	1.39	13	
17	25	H	<20	TS		02.70	00.00	720	UBH	5	1.71	13	
21	25	H	<20	TS		00.40	00.00	720	UBH	5	1.61	13	
22	25	H	<20	TS		00.40	00.00	720	UBH	5	1.10	13	
34	25	H	35	TS		00.70	00.00	720	UBH	5	0.85	13	
7	26	H	<20	TS		01.90	00.00	700	UBH	5	0.68	26	
9	26	H	<20	TS		00.00	00.00	650	UBH	1		35	
10	26	H	<20	TS		00.90	00.00	700	UBH	5	1.01	26	
11	26	H	24	TS		00.30	00.00	700	UBH	1	2.06	26	
12	26	H	49	TS		00.00	00.00	720	1H	5	8.92	33	
13	26	H	32	TS		00.00	00.00	720	UBH	5	4.53	13	
14	26	H	24	TS		00.00	00.00	720	UBH	5	2.36	13	
14	26	H	37	TS		01.00	00.00	720	UBH	5	2.90	13	
15	26	H	34	TS		00.00	00.00	720	UBH	5	3.81	13	
16	26	H	21	TS		00.00	00.00	720	UBH	5	6.13	13	
22	26	H	34	TS		00.00	00.00	720	UBH	5	6.62	14	

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LISTING OF INDICATIONS FOR PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	26	H	<20	TS		00.60	00.00	720	UBH	5	2.92	14	
1	27	H	<20	TS		01.90	04.20	720	6H	1	1.52	31	
1	27	H	<20	TS		02.10	00.00	650	UBH	5	0.91	30	
7	27	H	<20	TS		01.90	00.00	720	UBH	5	0.81	26	
9	27	H	<20	TS		00.70	00.00	700	UBH	5	1.25	26	
11	27	H	23	TS		00.40	00.00	700	UBH	1	4.80	26	
12	27	H	44	TS		00.00	00.00	720	UBH	5	5.61	14	
13	27	H	33	TS		00.00	00.00	720	UBH	5	5.26	14	
14	27	H	40	TS		00.00	00.00	720	UBH	5	4.88	14	
14	27	H	<20	TS		05.00	00.00	720	UBH	5	2.37	14	
15	27	H	40	TS		00.00	00.00	720	UBH	5	2.87	14	
25	27	H	42	TS		01.10	00.00	720	UBH	5	1.20	14	
30	27	H	37	TS		01.00	00.00	720	UBH	5	1.82	14	
2	28	H	<20	TS		05.10	00.00	720	6H	1	1.39	31	
12	28	H	43	TS		00.70	00.00	720	UBH	5	2.52	14	
12	28	H	30	TS		04.60	00.00	720	UBH	5	1.34	14	
13	28	H	45	TS		00.00	00.00	720	UBH	5	3.34	14	
14	28	H	33	TS		00.00	00.00	720	UBH	5	2.93	14	
14	28	H	<20	TS		05.50	00.00	720	UBH	5	1.56	14	
15	28	H	<20	TS		00.90	00.00	720	UBH	5	0.99	14	
17	28	H	<20	TS		00.60	00.00	720	UBH	5	1.60	14	

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LISTING OF INDICATIONS F PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	28	H	<20	TS		00.00	00.00	720	UBH	5	2.38	14	
21	28	H	73	TS		21.80	00.00	720	1H	5	6.30	33	
23	28	H	78	TS		17.60	00.00	720	1H	5	8.17	33	
24	28	H	<20	TS		00.60	00.00	720	UBH	5	2.70	14	
25	28	H	23	TS		01.10	00.00	720	UBH	5	2.66	14	
28	28	H	<20	TS		05.10	00.00	720	UBH	5	0.71	14	
30	28	H	22	TS		01.00	00.00	720	UBH	5	0.92	14	
1	29	H	<20	TS		02.40	00.00	720	6H	1	1.58	31	
11	29	H	<20	TS		05.60	00.00	720	UBH	5	1.09	14	
12	29	H	22	TS		01.00	00.00	720	UBH	5	1.55	14	
12	29	H	21	TS		05.20	00.00	720	UBH	5	1.50	14	
14	29	H	27	TS		00.00	00.00	720	UBH	5	2.67	14	
14	29	H	<20	TS		01.20	00.00	720	UBH	5	1.42	14	
14	29	H	24	TS		05.70	00.00	720	UBH	5	1.51	14	
15	29	H	33	TS		00.00	00.00	720	UBH	5	3.16	14	
16	29	H	41	TS		00.00	00.00	720	UBH	5	4.19	14	
16	29	H	<20	TS		05.30	00.00	720	UBH	5	1.14	14	
17	29	H	28	TS		00.00	00.00	720	UBH	5	4.29	14	
18	29	H	27	TS		00.70	00.00	720	UBH	5	1.54	14	
19	29	H	22	TS		00.50	00.00	720	UBH	5	1.66	14	
19	29	H	59	TS		00.80	00.00	720	1H	5	0.86	33	
20	29	H	<20	TS		00.60	00.00	720	UBH	5	1.79	14	

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LISTING OF INDICATIONS FOR PL B HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	29	H	47	TS		00.00	00.00	720	UBH	5	1.44	14	
23	29	H	77	TS		19.20	00.00	720	1H	5	7.38	33	
24	29	H	<20	TS		00.70	00.00	720	UBH	5	2.78	14	
25	29	H	<20	TS		00.40	00.00	720	UBH	5	5.15	14	
26	29	H	<20	TS		00.60	00.00	720	UBH	5	5.87	14	
1	30	H	28	TS		02.90	00.00	720	6H	1	2.00	31	
2	30	H	<20	TS		04.80	00.00	650	UBH	5	0.50	30	
2	30	H	<20	TS		05.50	00.00	720	6H	1	1.00	31	
4	30	H	20	4		00.30	00.00	700	UBH	5	1.06	26	
6	30	H	20	4		00.90	00.00	700	UBH	1	1.18	26	
7	30	H	<20	4		00.90	00.00	700	UBH	1	3.79	26	
8	30	H	<20	4		01.20	00.00	700	UBH	1	1.22	26	
11	30	H	40	TS		00.80	00.00	720	UBH	5	1.68	14	
12	30	H	35	TS		01.30	00.00	720	UBH	5	1.48	14	
12	30	H	<20	TS		05.80	00.00	720	UBH	5	1.80	14	
15	30	H	<20	TS		00.00	00.00	720	UBH	5	3.12	34	
16	30	H	47	TS		00.00	00.00	720	UBH	5	2.99	14	
18	30	H	42	TS		00.70	00.00	720	UBH	5	1.42	14	
20	30	H	23	TS		00.00	00.00	720	UBH	5	1.68	14	
23	30	H	<20	TS		00.80	00.00	720	UBH	5	0.78	14	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH. -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	30	H	<20	TS		17.20	00.00	720	UBH	5	0.53	14	
24	30	H	34	TS		00.80	00.00	720	UBH	5	2.12	14	
41	30	H	30	V2		00.00	00.00	720	UBH	3	0.87	15	
41	30	H	25	V3		00.00	00.00	720	6H	5	1.37	4	
1	31	H	44	TS		01.30	03.20	720	6H	1	0.63	31	
11	31	H	<20	TS		01.10	00.00	720	UBH	1	1.02	15	
12	31	H	<20	TS		00.90	00.00	720	UBH	1	3.19	15	
13	31	H	<20	TS		01.20	00.00	720	UBH	1	2.05	15	
14	31	H	24	TS		00.40	00.00	720	UBH	1	2.61	15	
14	31	H	<20	TS		05.50	00.00	720	UBH	1	2.16	15	
15	31	H	<20	TS		01.30	00.00	720	UBH	1	1.49	15	
17	31	H	22	TS		00.70	00.00	720	UBH	1	1.66	15	
18	31	H	24	TS		00.50	00.00	720	UBH	1	3.75	15	
18	31	H	<20	TS		01.40	00.00	720	UBH	1	1.67	15	
19	31	H	22	TS		00.50	00.00	720	UBH	1	1.47	15	
19	31	H	24	TS		07.10	00.00	720	UBH	1	1.11	15	
20	31	H	25	TS		00.50	00.00	720	UBH	1	2.87	15	
21	31	H	<20	TS		00.40	00.00	720	UBH	1	1.52	15	
24	31	H	<20	TS		01.10	00.00	720	UBH	1	2.03	15	
25	31	H	<20	TS		00.50	00.00	720	UBH	1	1.50	15	
42	31	H	<20	2		00.00	00.00	720	UBH	5	12.51	15	

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ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
42	31	H	<20	6		00.00	00.00	720	UBH	5	6.38	15	
1	32	H	20	TS		03.30	00.00	720	6H	1	0.90	31	
3	32	H	<20	TS		06.50	00.00	720	6H	1	0.79	31	
6	32	H	<20	TS		01.00	00.00	700	UBH	1	2.41	26	
12	32	H	<20	TS		05.70	00.00	720	UBH	1	2.01	15	
13	32	H	<20	TS		00.50	00.00	720	UBH	1	1.24	15	
14	32	H	26	TS		00.70	00.00	720	UBH	1	1.72	15	
15	32	H	24	TS		00.70	00.00	720	UBH	1	1.56	15	
18	32	H	26	TS		00.80	00.00	720	UBH	1	3.45	15	
18	32	H	<20	TS		01.80	00.00	720	UBH	1	2.12	15	
19	32	H	<20	TS		00.60	00.00	720	UBH	1	2.76	15	
20	32	H	<20	TS		00.70	00.00	720	UBH	1	2.69	15	
20	32	H	<20	TS		01.50	00.00	720	UBH	1	1.72	15	
21	32	H	<20	TS		00.60	00.00	720	UBH	1	2.41	15	
22	32	H	<20	TS		00.40	00.00	720	UBH	1	1.60	15	
24	32	H	84	TS		21.80	00.00	720	1H	5	6.89	33	
25	32	H	<20	TS		00.90	00.00	720	UBH	1	4.79	15	
26	32	H	81	TS		00.40	00.00	720	1H	5	3.07	35	
1	33	H	33	TS		03.10	00.00	720	6H	1	0.90	31	
5	33	H	31	TS		11.60	00.00	700	UBH	5	0.58	26	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	33	H	48	TS		02.00	00.00	720	1H	5	3.15	33	
13	33	H	23	TS		01.00	00.00	720	UBH	1	1.18	15	
13	33	H	23	TS		01.30	00.00	720	UBH	1	1.09	15	
14	33	H	24	TS		00.60	00.00	720	UBH	1	1.80	15	
14	33	H	<20	TS		01.60	00.00	720	UBH	1	1.66	15	
18	33	H	27	TS		00.60	00.00	720	UBH	1	4.52	15	
19	33	H	32	TS		00.70	00.00	720	UBH	1	5.96	15	
20	33	H	27	TS		00.80	00.00	720	UBH	1	4.04	15	
21	33	H	29	TS		00.60	00.00	720	UBH	1	3.67	15	
21	33	H	26	TS		01.70	00.00	720	UBH	1	2.27	15	
22	33	H	<20	TS		00.80	00.00	720	UBH	1	2.30	15	
23	33	H	<20	TS		01.20	00.00	720	UBH	1	1.43	15	
28	33	H	62	TS		08.30	00.00	720	1H	1	0.73	33	
43	33	H	44	2		00.90	00.00	720	UBH	5	1.74	15	
43	33	H	25	3		01.00	00.00	720	UBH	1	5.70	15	
43	33	H	<20	5		00.00	00.00	720	UBH	5	1.92	15	
43	33	H	23	5		01.70	00.00	720	UBH	1	2.07	15	
1	34	H	<20	TS		01.70	00.00	720	6H	1	0.86	31	
2	34	H	<20	TS		06.50	00.00	720	6H	1	1.67	31	
2	34	H	<20	TS		07.40	00.00	650	UBH	5	0.75	30	
12	34	H	<20	TS		00.60	00.00	720	UBH	1	1.40	15	
15	34	H	<20	TS		00.90	00.00	720	UBH	1	1.84	15	
16	34	H	23	TS		00.90	00.00	720	UBH	1	3.30	15	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	34	H	22	TS		00.80	00.00	720	UBH	1	3.60	15	
20	34	H	24	TS		00.40	00.00	720	UBH	1	2.05	15	
21	34	H	44	TS		00.40	00.00	720	UBH	5	0.90	15	
21	34	H	23	TS		01.30	00.00	720	UBH	1	1.75	15	
21	34	H	<20	TS		06.30	00.00	720	UBH	1	1.67	15	
22	34	H	<20	TS		00.50	00.00	720	UBH	1	2.21	15	
22	34	H	<20	TS		01.40	00.00	720	UBH	1	1.39	15	
2	35	H	<20	TS		06.40	00.00	720	6H	1	1.18	31	
2	35	H	<20	TS		07.70	00.00	650	UBH	5	0.64	30	
12	35	H	22	TS		01.90	00.00	720	UBH	1	1.39	16	
15	35	H	28	TS		00.90	00.00	720	UBH	5	1.73	16	
16	35	H	23	TS		01.10	00.00	720	UBH	1	2.87	16	
17	35	H	38	TS		01.20	00.00	720	UBH	5	2.83	16	
18	35	H	24	TS		01.00	00.00	720	UBH	5	1.89	16	
19	35	H	<20	TS		00.70	00.00	720	UBH	5	1.34	16	
20	35	H	22	TS		00.70	00.00	720	UBH	5	1.21	16	
20	35	H	26	TS		01.60	00.00	720	UBH	5	1.26	16	
21	35	H	25	TS		00.90	00.00	720	UBH	5	1.07	16	
21	35	H	<20	TS		01.80	00.00	720	UBH	5	1.02	16	
22	35	H	29	TS		00.50	00.00	720	UBH	5	0.80	16	
23	35	H	39	TS		00.70	00.00	720	UBH	5	0.95	16	
25	35	H	54	TS		00.00	00.00	720	1H	5	7.81	33	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	35	H	49	TS		04.10	00.00	720	1H	1	1.31	33	
43	35	H	36	2		02.50	00.00	720	UBH	1	2.68	15	
44	35	H	<20	1		00.00	00.00	720	UBH	5	3.98	15	
44	35	H	40	5		11.00	00.00	720	UBH	1	1.25	15	
1	36	H	40	TS		02.80	00.00	720	6H	1	1.00	31	
2	36	H	34	TS		02.80	00.00	720	6H	1	1.20	31	
15	36	H	<20	TS		01.30	00.00	720	UBH	5	1.46	16	
16	36	H	67	TS		01.50	00.00	720	1H	5	2.54	33	
17	36	H	45	TS		01.40	00.00	720	UBH	1	1.77	16	
18	36	H	<20	TS		01.00	00.00	720	UBH	1	1.84	16	
19	36	H	43	TS		00.90	00.00	720	UBH	5	1.76	16	
20	36	H	25	TS		00.90	00.00	720	UBH	1	2.75	16	
21	36	H	31	TS		00.90	00.00	720	UBH	1	2.25	16	
21	36	H	89	TS		-11.20	-22.00	720	1H	5	0.61	33	
21	36	H	85	TS		-14.10	-22.00	720	1H	5	0.55	33	
24	36	H	70	TS		00.00	00.00	720	1H	5	2.38	35	
24	36	H	<20	TS		01.10	00.00	720	UBH	1	1.92	33	
25	36	H	58	TS		00.00	00.00	720	1H	5	6.01	33	
43	36	H	33	2		02.40	00.00	720	UBH	5	3.06	16	
43	36	H	65	6		00.00	00.00	720	UBH	5	1.78	33	
15	37	H	37	TS		01.40	00.00	720	UBH	5	0.85	16	
16	37	H	46	TS		01.90	00.00	720	UBH	5	1.63	16	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	37	H	66	TS		01.90	00.00	720	1H	5	1.31	33	
19	37	H	43	TS		01.30	00.00	720	UBH	5	1.60	16	
21	37	H	79	TS		01.00	00.00	720	1H	5	1.34	33	
22	37	H	<20	TS		01.60	00.00	720	UBH	5	0.59	16	
25	37	H	56	TS		00.30	00.00	720	1H	5	2.80	33	
28	37	H	39	TS		00.60	00.00	720	UBH	5	2.57	16	
30	37	H	26	TS		12.70	00.00	720	UBH	5	0.82	16	
32	37	H	76	TS		08.20	00.00	720	1H	5	3.49	33	
42	37	H	<20	2		00.00	00.00	720	UBH	5	2.17	16	
42	37	H	<20	3		00.00	00.00	720	UBH	5	2.55	16	
42	37	H	<20	4		00.00	00.00	720	UBH	5	2.18	16	
43	37	H	<20	3		01.80	00.00	720	UBH	1	2.17	16	
43	37	H	31	4		01.70	00.00	720	UBH	5	1.49	16	
3	38	H	<20	TS		09.00	00.00	720	6H	1	1.12	31	
8	38	H	<20	TS		00.00	00.00	700	UBH	5	1.17	26	
10	38	H	39	TS		00.70	00.00	720	UBH	5	1.80	16	
13	38	H	36	TS		00.80	00.00	720	UBH	5	0.94	16	
14	38	H	47	TS		00.50	00.00	720	UBH	5	0.97	16	
16	38	H	35	TS		02.00	00.00	720	UBH	5	1.65	16	
18	38	H	33	TS		01.60	00.00	720	UBH	1	1.69	16	
19	38	H	43	TS		01.60	00.00	720	UBH	5	1.97	16	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	38	H	45	TS		00.80	00.00	720	UBH	5	1.58	16	
21	38	H	72	TS		00.80	00.00	720	1H	5	2.05	33	
25	38	H	45	TS		00.50	00.00	720	UBH	5	2.18	16	
29	38	H	69	TS		00.60	00.00	720	1H	5	1.20	33	
33	38	H	31	TS		03.80	00.00	720	UBH	5	0.53	16	
41	38	H	25	V1		00.00	00.00	720	UBH	3	0.58	16	
43	38	H	<20	1		00.00	00.00	720	UBH	5	1.95	16	
43	38	H	<20	2		00.00	00.00	720	UBH	5	1.93	16	
43	38	H	<20	3		00.00	00.00	720	UBH	5	1.92	16	
43	38	H	<20	4		00.00	00.00	720	UBH	5	2.37	16	
2	39	H	<20	TS		02.80	00.00	720	6H	1	1.15	31	
2	39	H	<20	TS		06.70	00.00	720	6H	1	1.15	31	
10	39	H	27	V3		00.00	00.00	700	UBH	1	0.78	26	
11	39	H	26	TS		12.90	00.00	700	UBH	5	0.79	26	
12	39	H	56	TS		00.30	00.00	720	1H	5	1.38	33	
17	39	H	31	TS		02.60	00.00	720	UBH	5	1.39	16	
19	39	H	74	TS		01.50	00.00	720	1H	5	1.32	33	
22	39	H	39	TS		01.40	00.00	720	UBH	5	0.81	16	
24	39	H	75	TS		00.00	00.00	720	1H	5	2.62	33	
25	39	H	80	TS		00.60	00.00	720	1H	5	2.30	33	
25	39	H	<20	TS		05.50	00.00	720	UBH	5	1.29	16	
26	39	H	62	TS		00.70	00.00	720	1H	5	3.38	33	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
26	39	H	55	TS		01.40	00.00	720	1H	5	2.07	33	
27	39	H	48	TS		00.00	00.00	720	1H	5	3.34	33	
29	39	H	60	TS		00.60	00.00	720	1H	5	2.30	33	
33	39	H	80	TS		06.90	00.00	720	1H	5	5.10	33	
1	40	H	27	TS		02.60	00.00	720	6H	1	2.30	31	
1	40	H	26	TS		03.10	00.00	650	UBH	1	2.78	29	
12	40	H	59	TS		00.30	00.00	720	1H	5	2.82	33	
28	40	H	46	TS		00.00	00.00	720	UBH	5	4.14	16	
35	40	H	86	TS		01.60	00.00	720	1H	5	7.31	33	
36	40	H	44	TS		01.30	00.00	720	UBH	5	2.04	16	
1	41	H	22	TS		02.60	00.00	720	6H	1	1.30	31	
5	41	H	<20	V3		00.00	00.00	700	UBH	5	0.95	26	
15	41	H	<20	TS		01.40	00.00	720	UBH	5	0.54	17	
21	41	H	47	TS		01.00	00.00	720	UBH	5	2.17	17	
26	41	H	84	TS		00.00	00.00	720	1H	5	2.80	33	
27	41	H	57	TS		00.00	00.00	720	1H	5	7.75	33	
27	41	H	<20	TS		02.30	00.00	720	UBH	5	2.20	17	
28	41	H	62	TS		00.00	00.00	720	1H	5	2.03	33	
28	41	H	42	TS		01.60	00.00	720	UBH	5	2.21	17	
29	41	H	<20	TS		00.70	00.00	720	UBH	1	1.41	17	
32	41	H	62	TS		11.60	00.00	720	1H	1	1.53	33	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
35	41	H	33	TS		01.60	00.00	720	UBH	5	0.66	17	
1	42	H	<20	TS		02.30	03.90	720	6H	1	1.78	31	
3	42	H	25	TS		03.60	00.00	720	6H	1	0.76	31	
20	42	H	49	TS		01.00	00.00	720	1H	5	1.69	33	
20	42	H	<20	TS		22.40	00.00	720	UBH	5	1.95	17	
22	42	H	73	TS		00.50	00.00	720	1H	5	2.31	33	
26	42	H	83	TS		00.20	00.00	720	1H	5	4.79	33	
26	42	H	53	TS		00.00	00.00	720	1H	5	5.66	33	
29	42	H	63	TS		00.00	00.00	720	1H	5	7.36	33	
35	42	H	<20	TS		01.60	00.00	720	UBH	5	1.21	17	
1	43	H	28	TS		03.00	04.50	720	6H	1	2.84	31	
3	43	H	<20	TS		07.60	00.00	720	6H	1	1.69	31	
3	43	H	<20	TS		07.90	00.00	650	UBH	5	0.77	29	
8	43	H	30	TS		00.00	00.00	700	UBH	1	6.26	26	
16	43	H	83	TS		-07.00	-22.00	720	1H	5	0.92	33	
27	43	H	62	TS		00.00	00.00	720	1H	5	10.75	33	
27	43	H	45	TS		02.70	00.00	720	UBH	5	2.59	17	
28	43	H	44	TS		00.00	00.00	720	UBH	5	6.53	17	
28	43	H	46	TS		00.90	00.00	720	UBH	5	1.60	17	
29	43	H	45	TS		00.00	00.00	720	UBH	5	6.15	17	
34	43	H	22	TS		05.70	00.00	720	UBH	5	0.61	17	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
36	43	H	22	TS		01.30	00.00	720	UBH	5	0.97	17	
8	44	H	65	TS		00.00	00.00	700	UBH	5	7.97	27	
9	44	H	25	TS		00.00	00.00	700	UBH	5	3.01	27	
9	44	H	<20	TS		11.50	00.00	700	UBH	1	0.82	26	
10	44	H	22	TS		01.20	00.00	700	UBH	1	2.73	26	
12	44	H	67	TS		-16.60	-22.00	720	1H	5	0.45	33	
28	44	H	47	TS		00.00	00.00	720	UBH	5	10.71	17	
29	44	H	35	TS		00.00	00.00	720	UBH	5	6.92	17	
33	44	H	57	TS		09.10	00.00	720	1H	5	0.87	33	
36	44	H	35	TS		00.80	00.00	720	UBH	5	1.42	17	
36	44	H	83	TS		04.60	00.00	720	1H	5	4.56	33	
37	44	H	<20	TS		00.90	00.00	720	UBH	1	1.08	17	
38	44	H	33	TS		00.70	00.00	720	UBH	5	0.92	17	
38	44	H	22	TS		01.20	00.00	720	UBH	5	1.04	17	
1	45	H	32	TS		02.30	00.00	720	6H	5	0.67	31	
5	45	H	47	TS		00.00	00.00	700	UBH	5	7.32	27	
5	45	H	<20	TS		07.70	00.00	700	UBH	5	0.92	27	
10	45	H	20	TS		00.90	00.00	700	UBH	1	1.27	27	
11	45	H	33	TS		00.90	00.00	700	UBH	1	1.27	27	
18	45	H	22	TS		05.30	00.00	720	UBH	5	0.93	17	
28	45	H	57	TS		00.00	00.00	720	1H	5	6.72	33	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	45	H	44	TS		00.00	00.00	720	UBH	5	7.82	17	
29	45	H	50	TS		20.60	00.00	720	1H	5	1.53	33	
30	45	H	<20	TS		00.00	00.00	720	UBH	5	4.80	17	
33	45	H	<20	TS		07.80	00.00	720	UBH	5	0.51	17	
35	45	H	<20	TS		03.30	00.00	720	UBH	5	0.77	17	
11	46	H	25	TS		01.90	00.00	700	UBH	5	2.21	27	
28	46	H	57	TS		00.00	00.00	720	1H	5	6.40	33	
29	46	H	38	TS		00.00	00.00	720	UBH	5	4.94	17	
29	46	H	<20	TS		01.90	00.00	720	UBH	5	1.66	17	
33	46	H	69	TS		10.20	00.00	720	1H	1	1.03	33	
1	47	H	<20	TS		03.20	00.00	720	6H	1	2.01	31	
2	47	H	<20	TS		05.30	00.00	720	6H	1	1.66	31	
2	47	H	<20	TS		05.50	00.00	650	UBH	5	1.17	29	
4	47	H	<20	TS		00.50	00.00	720	6H	1	0.46	36	
4	47	H	<20	TS		00.70	00.00	650	UBH	1	0.80	36	
8	47	H	20	TS		00.00	00.00	700	UBH	5	2.96	27	
8	47	H	<20	TS		00.30	00.00	700	UBH	5	1.22	27	
9	47	H	<20	TS		00.00	00.00	700	UBH	5	3.10	27	
9	47	H	<20	TS		02.00	00.00	700	UBH	5	1.39	27	
11	47	H	<20	TS		02.20	00.00	700	UBH	5	1.24	27	
12	47	H	<20	TS		03.50	00.00	720	UBH	5	1.04	18	
17	47	H	<20	TS		04.50	00.00	720	UBH	1	1.65	18	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	47	H	<20	TS		03.40	00.00	720	UBH	1	2.14	18	
28	47	H	66	TS		00.00	00.00	720	1H	5	5.81	33	
29	47	H	58	TS		00.00	00.00	720	1H	5	6.01	33	
30	47	H	<20	TS		02.30	00.00	720	UBH	1	2.29	18	
45	47	H	42	2		00.80	00.00	720	UBH	5	1.75	18	
4	48	H	46	TS		00.90	00.00	700	UBH	5	1.52	27	
4	48	H	<20	TS		03.60	00.00	700	UBH	5	1.22	27	
6	48	H	23	TS		00.00	00.00	700	UBH	5	8.21	35	
7	48	H	<20	TS		00.70	00.00	700	UBH	5	1.18	27	
8	48	H	37	TS		00.00	00.00	700	UBH	5	2.64	27	
17	48	H	<20	TS		03.80	00.00	720	UBH	1	1.89	18	
19	48	H	<20	TS		02.60	00.00	720	UBH	1	1.40	18	
20	48	H	<20	TS		02.20	00.00	720	UBH	1	2.12	18	
20	48	H	32	TS		03.00	00.00	720	UBH	1	1.15	18	
20	48	H	41	TS		03.40	00.00	720	UBH	1	1.98	18	
29	48	H	73	TS		00.00	00.00	720	1H	5	2.21	33	
36	48	H	81	TS		06.60	00.00	720	1H	1	5.90	33	
38	48	H	23	TS		01.90	00.00	720	UBH	1	1.08	18	
39	48	H	38	TS		01.20	00.00	720	UBH	1	1.02	18	
1	49	H	45	TS		03.40	00.00	720	6H	1	1.96	31	
6	49	H	70	TS		00.00	00.00	720	1H	5	5.52	35	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	49	H	36	TS		00.40	00.00	700	UBH	5	5.48	27	
7	49	H	25	TS		00.90	00.00	700	UBH	5	1.13	27	
7	49	H	<20	TS		04.50	00.00	700	UBH	5	1.25	27	
8	49	H	20	TS		00.00	00.00	700	UBH	5	3.01	27	
8	49	H	<20	TS		02.90	00.00	700	UBH	5	1.34	27	
13	49	H	<20	TS		03.40	00.00	720	UBH	1	1.77	18	
16	49	H	84	TS		00.20	00.00	720	1H	5	2.54	33	
17	49	H	<20	TS		03.00	00.00	720	UBH	1	1.29	18	
17	49	H	27	TS		03.60	00.00	720	UBH	1	0.83	18	
18	49	H	31	TS		03.00	00.00	720	UBH	1	2.48	18	
20	49	H	38	TS		01.60	00.00	720	UBH	1	1.94	18	
20	49	H	38	TS		01.90	00.00	720	UBH	1	1.25	18	
20	49	H	<20	V2		00.00	00.00	720	UBH	1	3.31	18	
21	49	H	40	TS		01.40	00.00	720	UBH	1	1.75	18	
21	49	H	25	TS		01.60	00.00	720	UBH	1	2.63	18	
21	49	H	37	TS		01.90	00.00	720	UBH	5	1.27	18	
37	49	H	61	TS		08.90	00.00	720	1H	1	1.39	33	
37	49	H	22	V4		00.00	00.00	720	UBH	1	3.49	18	
40	49	H	35	TS		00.50	00.00	720	UBH	5	2.38	18	
41	49	H	77	TS		-14.60	-22.00	720	1H	5	1.68	35	
2	50	H	<20	TS		03.40	00.00	720	6H	1	2.98	31	
2	50	H	23	3		00.00	00.00	720	6H	5	3.55	31	
4	50	H	34	TS		02.50	04.10	720	6H	1	1.48	36	
9	50	H	36	TS		00.00	00.00	700	UBH	5	8.28	27	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	50	H	37	TS		01.00	00.00	700	UBH	5	1.34	27	
11	50	H	26	V1		00.00	00.00	700	UBH	5	1.30	27	
12	50	H	31	TS		00.90	00.00	720	UBH	1	2.59	18	
14	50	H	<20	TS		01.70	00.00	720	UBH	1	1.23	18	
14	50	H	<20	TS		03.00	00.00	720	UBH	1	0.99	18	
15	50	H	28	TS		05.80	00.00	720	UBH	1	1.39	18	
17	50	H	<20	TS		02.60	00.00	720	UBH	1	1.56	18	
20	50	H	38	TS		01.30	00.00	720	UBH	1	1.76	18	
22	50	H	<20	TS		18.00	00.00	720	UBH	1	2.46	18	
22	50	H	81	TS		-10.10	-22.00	720	1H	1	2.27	33	
29	50	H	63	TS		00.00	00.00	720	1H	5	6.19	33	
36	50	H	<20	TS		03.90	00.00	720	UBH	1	2.23	18	
36	50	H	65	TS		05.80	00.00	720	UBH	1	5.61	18	
36	50	H	80	TS		06.40	00.00	720	1H	1	3.70	33	
41	50	H	49	TS		00.00	00.00	720	1H	5	2.44	33	
5	51	H	<20	TS		03.50	00.00	700	UBH	5	0.73	27	
8	51	H	21	TS		00.00	00.00	700	UBH	5	1.50	27	
12	51	H	42	TS		01.10	00.00	720	UBH	1	2.49	18	
16	51	H	<20	TS		04.60	00.00	720	UBH	1	4.01	18	
18	51	H	33	TS		01.70	00.00	720	UBH	1	1.88	18	
20	51	H	36	TS		01.10	00.00	720	UBH	1	2.33	18	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	51	H	<20	TS		02.50	00.00	720	UBH	1	2.58	18	
20	51	H	<20	TS		03.30	00.00	720	UBH	1	1.61	18	
21	51	H	<20	TS		01.90	00.00	720	UBH	1	1.86	18	
24	51	H	23	TS		00.50	00.00	720	UBH	1	2.11	18	
25	51	H	78	TS		00.00	00.00	720	1H	5	3.87	33	
25	51	H	65	TS		00.60	00.00	720	1H	5	0.88	33	
28	51	H	64	TS		00.00	00.00	720	1H	5	13.52	33	
36	51	H	55	TS		05.90	00.00	720	1H	1	1.25	33	
36	51	H	56	TS		06.80	00.00	720	1H	1	1.07	33	
36	51	H	80	TS		09.30	00.00	720	1H	1	7.11	33	
37	51	H	66	TS		06.80	00.00	720	1H	1	2.12	33	
37	51	H	91	TS		07.20	00.00	720	1H	1	4.35	33	
37	51	H	74	TS		08.50	00.00	720	1H	1	8.51	33	
38	51	H	65	TS		06.90	00.00	720	1H	1	2.36	33	
38	51	H	69	TS		07.60	00.00	720	1H	1	5.72	33	
38	51	H	34	TS		08.30	00.00	720	UBH	1	1.77	18	
41	51	H	45	TS		00.40	00.00	720	UBH	1	1.21	18	
41	51	H	27	TS		01.10	00.00	720	UBH	1	1.40	18	
42	51	H	37	TS		00.90	00.00	720	UBH	1	2.73	18	
2	52	H	38	TS		02.90	00.00	720	6H	1	1.82	31	
2	52	H	26	3		00.00	00.00	720	6H	5	3.80	31	
8	52	H	33	TS		00.00	00.00	700	UBH	5	1.48	27	
8	52	H	<20	3		00.00	00.00	700	UBH	5	4.28	27	
12	52	H	51	TS		00.60	00.00	720	1H	5	1.64	33	
15	52	H	27	TS		01.40	00.00	720	UBH	1	1.16	19	

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LISTING OF INDICATIONS F PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	52	H	42	TS		00.70	00.00	720	UBH	1	1.28	19	
24	52	H	<20	TS		02.10	00.00	720	UBH	1	1.47	33	
24	52	H	<20	5		34.30	00.00	720	UBH	1	3.62	33	
25	52	H	72	TS		-14.40	-22.00	720	1H	5	0.92	35	
26	52	H	50	TS		00.00	00.00	720	1H	5	2.43	33	
26	52	H	27	TS		16.80	00.00	720	UBH	1	1.07	19	
26	52	H	<20	V3		00.00	00.00	720	UBH	1	1.26	19	
27	52	H	40	TS		00.00	00.00	720	UBH	5	2.64	33	
28	52	H	44	TS		00.00	00.00	720	UBH	5	3.08	33	
29	52	H	29	TS		00.00	00.00	720	UBH	5	2.76	33	
34	52	H	83	TS		13.20	00.00	720	UBH	5	7.31	33	
40	52	H	55	TS		01.10	00.00	720	1H	1	2.35	33	
2	53	H	42	TS		02.50	00.00	720	6H	1	1.08	31	
8	53	H	36	TS		00.00	00.00	700	UBH	5	3.22	27	
12	53	H	<20	TS		01.00	00.00	720	UBH	5	1.81	19	
15	53	H	<20	TS		01.90	00.00	720	UBH	5	0.86	19	
16	53	H	<20	TS		01.90	00.00	720	UBH	5	0.67	19	
20	53	H	27	TS		00.70	00.00	720	UBH	1	1.71	19	
21	53	H	45	TS		00.50	00.00	720	UBH	5	1.49	19	
24	53	H	<20	TS		02.60	00.00	720	UBH	5	1.72	19	
28	53	H	45	TS		00.80	00.00	720	UBH	5	1.94	19	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	53	H	44	TS		00.50	00.00	720	UBH	5	2.78	19	
34	53	H	90	TS		12.20	00.00	720	1H	5	3.42	33	
39	53	H	84	TS		04.20	00.00	720	1H	5	14.51	33	
40	53	H	<20	TS		01.90	00.00	720	UBH	5	0.97	19	
2	54	H	22	TS		02.30	00.00	720	6H	1	1.78	31	
2	54	H	<20	TS		03.90	00.00	720	6H	1	1.33	31	
3	54	H	28	TS		04.30	00.00	720	6H	1	1.29	31	
4	54	H	<20	2		00.00	00.00	700	UBH	5	3.86	27	
6	54	H	<20	TS		01.60	00.00	700	UBH	5	1.07	27	
8	54	H	<20	TS		03.20	00.00	700	UBH	5	0.98	27	
16	54	H	48	TS		02.40	00.00	720	1H	1	1.62	33	
19	54	H	<20	TS		00.60	00.00	720	UBH	1	1.56	19	
20	54	H	75	TS		00.00	00.00	720	1H	5	2.17	33	
21	54	H	42	TS		00.00	00.00	720	UBH	5	3.01	19	
22	54	H	<20	TS		00.40	00.00	720	UBH	1	1.78	19	
24	54	H	<20	TS		02.50	00.00	720	UBH	1	1.15	19	
25	54	H	50	TS		00.00	00.00	720	1H	5	4.95	33	
26	54	H	40	TS		00.00	00.00	720	UBH	5	2.35	19	
29	54	H	<20	TS		00.70	00.00	720	UBH	5	0.57	19	
31	54	H	37	V2		00.00	00.00	720	UBH	5	3.23	19	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	54	H	50	V3		00.00	00.00	720	UBH	5	6.65	33	
31	54	H	<20	V4		00.00	00.00	720	UBH	5	1.32	19	
36	54	H	68	TS		05.30	00.00	720	UBH	1	3.96	19	
36	54	H	74	TS		07.60	00.00	720	1H	1	4.00	19	
43	54	H	45	TS		00.00	00.00	720	UBH	5	2.07	19	
1	55	H	24	TS		01.50	00.00	720	6H	1	1.04	31	
2	55	H	<20	TS		01.90	00.00	720	6H	5	1.01	31	
9	55	H	33	TS		00.00	00.00	700	UBH	5	5.99	27	
11	55	H	21	TS		00.00	00.00	700	UBH	5	4.74	27	
16	55	H	26	TS		01.30	00.00	720	UBH	5	1.25	19	
20	55	H	34	TS		00.80	00.00	720	UBH	5	2.91	19	
20	55	H	29	TS		01.70	00.00	720	UBH	5	1.83	19	
21	55	H	31	TS		00.50	00.00	720	UBH	5	2.45	19	
21	55	H	<20	V2		00.00	00.00	720	UBH	5	1.82	19	
22	55	H	31	V2		00.00	00.00	720	UBH	5	2.17	19	
36	55	H	81	TS		04.20	00.00	720	1H	1	8.84	33	
36	55	H	76	TS		05.40	00.00	720	1H	1	6.70	33	
36	55	H	68	TS		07.80	00.00	720	1H	1	3.36	33	
2	56	H	<20	TS		01.90	00.00	720	6H	5	0.75	31	
5	56	H	<20	TS		01.20	00.00	700	UBH	5	1.66	27	
7	56	H	<20	TS		02.20	00.00	700	UBH	5	0.79	27	
7	56	H	<20	TS		04.20	00.00	700	UBH	5	1.19	27	
8	56	H	<20	TS		03.20	00.00	700	UBH	5	1.47	27	

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LISTING OF INDICATIONS FOR PL 8 HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	56	H	<20	TS		06.40	00.00	720	UBH	5	0.76	19	
22	56	H	<20	TS		02.20	00.00	720	UBH	5	2.18	19	
34	56	H	65	TS		03.90	00.00	720	UBH	1	3.46	33	
5	57	H	<20	3		00.00	00.00	700	UBH	5	5.16	27	
14	57	H	24	TS		00.90	00.00	720	UBH	1	1.57	33	
18	57	H	72	TS		00.00	00.00	720	1H	5	1.92	35	
18	57	H	<20	TS		06.40	00.00	720	UBH	1	2.10	33	
19	57	H	51	TS		00.00	00.00	720	1H	5	2.55	35	
19	57	H	<20	TS		00.80	00.00	720	UBH	5	1.69	33	
41	57	H	<20	V2		00.00	00.00	720	UBH	5	1.15	19	
41	57	H	27	V3		00.00	00.00	720	UBH	5	1.35	19	
41	57	H	<20	V4		00.00	00.00	720	UBH	5	2.57	19	
42	57	H	38	1		00.90	00.00	720	UBH	5	1.81	19	
1	58	H	<20	TS		00.00	00.00	720	6H	5	1.05	31	
4	58	H	<20	2		00.00	00.00	700	UBH	5	3.98	27	
4	58	H	<20	3		00.00	00.00	700	UBH	5	3.21	27	
17	58	H	<20	TS		06.50	00.00	720	UBH	5	0.92	20	
18	58	H	<20	TS		01.50	00.00	720	UBH	5	1.08	20	
18	58	H	<20	TS		06.10	00.00	720	UBH	5	1.06	20	
19	58	H	32	TS		00.00	00.00	720	UBH	5	3.22	20	
19	58	H	<20	TS		01.30	00.00	720	UBH	5	1.29	20	
23	58	H	<20	TS		00.50	00.00	720	UBH	5	0.90	20	
44	58	H	29	6		00.00	00.00	720	UBH	5	2.90	20	

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LISTING OF INDICATIONS FOR PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	59	H	<20	TS		00.00	00.00	720	6H	5	1.05	31	
1	59	H	40	TS		00.80	00.00	720	6H	1	2.80	31	
16	59	H	39	TS		00.00	00.00	720	UBH	5	3.44	20	
17	59	H	23	TS		00.00	00.00	720	UBH	5	2.72	20	
17	59	H	<20	TS		05.00	00.00	720	UBH	1	1.81	20	
18	59	H	38	TS		00.50	00.00	720	UBH	5	2.14	20	
18	59	H	<20	TS		05.80	00.00	720	UBH	5	1.07	20	
19	59	H	22	TS		00.80	00.00	720	UBH	5	1.82	20	
22	59	H	<20	TS		00.50	00.00	720	UBH	5	1.08	20	
23	59	H	<20	TS		02.60	00.00	720	UBH	1	2.78	20	
26	59	H	59	TS		17.10	00.00	720	1H	1	3.06	33	
31	59	H	72	TS		05.20	00.00	720	1H	1	5.81	33	
14	60	H	24	TS		00.80	00.00	720	UBH	1	1.34	20	
15	60	H	40	TS		00.50	00.00	720	UBH	5	1.82	20	
16	60	H	<20	TS		00.00	00.00	720	UBH	5	3.29	20	
17	60	H	<20	TS		00.00	00.00	720	UBH	5	3.22	20	
18	60	H	34	TS		00.40	00.00	720	UBH	5	2.79	20	
19	60	H	34	TS		00.30	00.00	720	UBH	5	3.06	20	
20	60	H	32	TS		00.30	00.00	720	UBH	5	3.21	20	
21	60	H	43	TS		00.00	00.00	720	UBH	5	3.46	20	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	60	H	<20	TS		00.50	00.00	720	UBH	1	1.49	20	
23	60	H	55	TS		00.00	00.00	720	1H	5	3.58	33	
23	60	H	29	TS		00.60	00.00	720	UBH	5	2.39	20	
26	60	H	36	TS		12.20	00.00	720	UBH	1	1.74	20	
26	60	H	76	TS		14.20	00.00	720	1H	1	9.47	33	
29	60	H	55	TS		08.20	00.00	720	1H	5	2.95	33	
9	61	H	<20	TS		05.10	00.00	700	UBH	5	0.83	27	
15	61	H	29	TS		00.00	00.00	720	UBH	5	3.24	20	
16	61	H	34	TS		00.00	00.00	720	UBH	5	4.08	20	
17	61	H	77	TS		23.00	00.00	720	1H	1	7.63	33	
19	61	H	<20	TS		00.00	00.00	720	UBH	5	2.66	20	
22	61	H	57	TS		00.00	00.00	720	1H	5	6.14	33	
23	61	H	46	TS		00.00	00.00	720	UBH	5	7.72	20	
24	61	H	51	TS		00.00	00.00	720	1H	5	8.86	33	
26	61	H	<20	TS		00.00	00.00	720	UBH	5	4.01	20	
40	61	H	97	TS		-20.70	-22.00	720	1H	5	15.93	33	
40	61	H	<20	V4		00.00	00.00	720	UBH	1	3.65	20	
41	61	H	24	V2		00.00	00.00	720	UBH	1	2.24	20	
41	61	H	<20	V3		00.00	00.00	720	UBH	1	2.37	20	
12	62	H	26	TS		04.40	00.00	720	UBH	5	0.82	20	
13	62	H	34	TS		00.00	00.00	720	UBH	5		20	

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ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	62	H	36	TS		00.00	00.00	720	UBH	5	7.11	20	
15	62	H	41	TS		00.00	00.00	720	UBH	5	5.97	20	
16	62	H	36	TS		00.00	00.00	720	UBH	5	3.47	20	
17	62	H	23	TS		00.00	00.00	720	UBH	5	2.46	20	
19	62	H	<20	TS		00.00	00.00	720	UBH	5	2.98	20	
21	62	H	38	TS		00.00	00.00	720	UBH	5	5.91	20	
23	62	H	46	TS		00.00	00.00	720	UBH	5	4.39	20	
28	62	H	<20	TS		01.30	00.00	720	UBH	1	1.70	21	
41	62	H	38	V2		00.00	00.00	720	UBH	1	2.45	21	
12	63	H	24	TS		00.30	00.00	720	UBH	5	1.67	21	
15	63	H	20	TS		00.00	00.00	720	UBH	5	5.67	21	
16	63	H	33	TS		00.00	00.00	720	UBH	5	5.54	21	
17	63	H	<20	TS		00.00	00.00	720	UBH	5	2.67	21	
18	63	H	42	TS		00.00	00.00	720	UBH	5	3.48	21	
19	63	H	30	TS		00.00	00.00	720	UBH	5	2.85	21	
20	63	H	50	TS		00.00	00.00	720	1H	5	3.83	33	
21	63	H	42	TS		00.00	00.00	720	UBH	5	5.96	21	
2	64	H	35	TS		01.70	00.00	720	6H	1	2.54	31	
13	64	H	35	TS		00.00	00.00	720	UBH	5	4.75	21	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	64	H	36	TS		00.00	00.00	720	UBH	5	6.35	21	
15	64	H	42	TS		00.00	00.00	650	UBH	5	3.58	34	
16	64	H	20	TS		00.00	00.00	720	UBH	5	2.49	21	
18	64	H	45	TS		00.00	00.00	720	UBH	5	5.68	21	
19	64	H	33	TS		00.00	00.00	720	UBH	5	9.13	21	
20	64	H	30	TS		00.00	00.00	720	UBH	5	5.97	21	
26	64	H	25	TS		05.40	00.00	720	UBH	1	3.22	21	
26	64	H	72	TS		08.10	00.00	720	2H	1	5.79	33	
29	64	H	81	TS		00.00	00.00	720	1H	5	2.02	33	
31	64	H	30	TS		00.00	00.00	720	UBH	5	1.74	21	
41	64	H	<20	V1		00.00	00.00	720	UBH	1	3.31	21	
11	65	H	<20	TS		03.40	00.00	650	UBH	1	3.56	34	
13	65	H	30	TS		00.00	00.00	650	UBH	5	4.03	34	
14	65	H	40	TS		00.00	00.00	720	UBH	5	6.27	21	
15	65	H	27	TS		00.00	00.00	720	UBH	5	1.42	21	
16	65	H	<20	TS		00.00	00.00	720	UBH	5	2.49	21	
18	65	H	50	TS		00.00	00.00	720	1H	5	6.45	33	
19	65	H	32	TS		00.00	00.00	720	UBH	5	7.34	21	
20	65	H	49	TS		00.00	00.00	720	1H	5	6.84	33	
26	65	H	69	TS		05.20	00.00	720	1H	1	5.30	33	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	66	H	28	TS		00.00	00.00	720	6H	5	1.04	31	
11	66	H	<20	TS		00.00	00.00	700	UBH	5	2.46	27	
12	66	H	33	TS		00.00	00.00	720	UBH	5	2.73	21	
13	66	H	32	TS		00.00	00.00	650	UBH	5	4.42	34	
14	66	H	62	TS		00.00	00.00	720	1H	5	2.98	33	
18	66	H	55	TS		00.00	00.00	720	1H	5	4.47	33	
19	66	H	70	TS		00.00	00.00	720	1H	5	3.71	33	
28	66	H	57	TS		02.80	00.00	720	1H	5	1.41	35	
1	67	H	28	TS		00.30	00.00	720	6H	5	0.86	31	
3	67	H	22	TS		03.40	00.00	720	6H	1	1.52	31	
14	67	H	<20	TS		01.80	00.00	720	UBH	1	2.64	22	
14	67	H	<20	TS		03.70	00.00	720	UBH	1	3.39	22	
26	67	H	56	TS		03.20	00.00	720	1H	1	5.36	33	
10	68	H	<20	TS		02.20	00.00	700	6H	5	1.37	27	
10	68	H	33	TS		21.00	00.00	700	6H	5	1.24	27	
13	68	H	<20	TS		03.70	00.00	720	UBH	1	3.38	22	
38	68	H	<20	V2		00.00	00.00	720	UBH	1	2.56	22	
38	68	H	<20	V3		00.00	00.00	720	UBH	1	2.91	22	
3	69	H	<20	TS		03.80	00.00	650	UBH	1	2.20	29	
3	69	H	<20	TS		04.00	00.00	720	6H	1	2.07	31	
7	69	H	<20	2		00.00	00.00	700	UBH	5	3.11	27	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	69	H	37	TS		00.00	00.00	700	UBH	5	3.64	27	
12	69	H	<20	TS		03.90	00.00	720	UBH	1	1.68	22	
13	69	H	<20	TS		00.00	00.00	700	6H	5	3.10	27	
26	69	H	74	TS		00.50	00.00	720	1H	1	3.86	33	
26	69	H	83	TS		00.70	00.00	720	1H	1	7.97	33	
27	69	H	22	TS		00.90	00.00	720	UBH	1	1.49	22	
3	70	H	22	TS		01.80	00.00	720	6H	1	2.13	31	
5	70	H	21	TS		01.60	00.00	700	UBH	5	2.63	27	
8	70	H	54	TS		00.00	00.00	720	1H	5	4.24	35	
9	70	H	31	TS		00.00	00.00	700	UBH	5	5.02	27	
10	70	H	<20	TS		00.00	00.00	700	UBH	5	1.67	27	
12	70	H	<20	TS		03.50	00.00	720	UBH	1	2.92	22	
13	70	H	79	TS		00.00	00.00	720	1H	5	1.53	35	
6	71	H	21	TS		02.00	00.00	700	UBH	5	2.26	27	
7	71	H	55	TS		00.00	00.00	720	1H	5	6.66	35	
8	71	H	46	TS		00.00	00.00	700	UBH	5	4.66	27	
9	71	H	47	TS		00.00	00.00	700	UBH	5	4.90	27	
10	71	H	26	TS		00.00	00.00	700	UBH	5	2.57	27	
12	71	H	<20	TS		00.70	00.00	720	UBH	1	3.25	22	
12	71	H	24	TS		03.10	00.00	720	UBH	5	1.06	22	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	71	H	25	TS		01.90	00.00	720	UBH	1	1.87	22	
24	71	H	24	TS		00.60	00.00	720	UBH	1	2.19	22	
1	72	H	<20	TS		01.80	00.00	650	UBH	1	2.06	29	
1	72	H	<20	TS		01.90	00.00	720	6H	1	2.23	31	
6	72	H	<20	TS		00.90	00.00	700	UBH	5	1.49	27	
6	72	H	<20	TS		01.90	00.00	700	UBH	5	3.17	27	
13	72	H	<20	TS		00.90	00.00	720	UBH	6	1.65	22	
13	72	H	<20	TS		02.10	00.00	720	UBH	1	3.59	22	
21	72	H	46	TS		02.60	00.00	720	UBH	1	1.70	22	
23	72	H	74	TS		02.70	00.00	720	1H	1	7.75	33	
1	73	H	22	TS		01.80	00.00	720	6H	1	1.54	31	
12	73	H	<20	TS		01.60	00.00	720	UBH	5	0.98	23	
15	73	H	<20	4		47.20	00.00	720	UBH	1	2.10	23	
20	73	H	<20	TS		01.40	00.00	720	UBH	5	0.51	23	
23	73	H	37	TS		00.60	00.00	720	UBH	5	1.15	23	
29	73	H	<20	V2		00.00	00.00	720	UBH	5	1.80	23	
6	74	H	33	TS		00.40	00.00	700	UBH	1	3.62	28	
17	74	H	<20	TS		01.90	00.00	720	UBH	1	1.61	23	
21	74	H	22	TS		01.60	00.00	720	UBH	5	0.66	23	
22	74	H	24	TS		00.90	00.00	720	UBH	5	1.22	23	
36	74	H	47	TS		02.30	00.00	720	UBH	1	0.80	23	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
36	74	H	39	6		06.90	00.00	720	UBH	5	1.21	23	
11	75	H	<20	V1		00.00	00.00	700	UBH	1	4.51	28	
17	75	H	<20	TS		04.20	00.00	720	UBH	5	0.69	23	
20	75	H	<20	TS		00.50	00.00	720	UBH	5	1.20	23	
28	75	H	<20	V2		00.00	00.00	720	UBH	5	1.08	23	
28	75	H	<20	V3		00.00	00.00	720	UBH	5	1.23	23	
29	75	H	<20	V2		00.00	00.00	720	UBH	5	1.71	23	
20	76	H	<20	TS		00.70	00.00	720	UBH	5	0.84	23	
31	76	H	32	6		06.00	00.00	720	UBH	5	1.62	23	
32	76	H	<20	4		00.00	00.00	720	UBH	5	2.47	23	
34	76	H	<20	2		00.00	00.00	720	UBH	5	3.08	23	
34	76	H	<20	3		00.00	00.00	720	UBH	5	4.03	23	
34	76	H	<20	4		00.00	00.00	720	UBH	5	3.09	23	
11	77	H	26	TS		05.10	00.00	700	UBH	1	3.49	35	
12	77	H	<20	TS		00.50	00.00	720	UBH	1	1.73	23	
12	77	H	<20	TS		04.80	00.00	720	UBH	5	1.21	23	
12	77	H	86	TS		-16.60	-22.00	720	1H	5	1.21	33	
34	77	H	<20	3		00.00	00.00	720	UBH	5	2.35	23	
6	78	H	<20	TS		04.00	00.00	700	UBH	5	0.78	28	
7	78	H	<20	TS		04.10	00.00	700	UBH	5	1.45	28	
12	78	H	29	TS		00.60	00.00	720	UBH	5	0.92	23	
12	78	H	32	TS		04.70	00.00	720	UBH	5	1.17	23	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	78	H	<20	4		00.00	00.00	720	UBH	5	3.55	23	
6	79	H	<20	TS		03.80	00.00	700	UBH	5	0.65	28	
8	79	H	<20	TS		04.80	00.00	700	UBH	5	1.05	28	
15	79	H	45	TS		00.00	00.00	720	UBH	5	1.44	24	
29	79	H	20	4		00.00	00.00	720	UBH	5	3.70	24	
6	80	H	<20	TS		02.00	00.00	700	UBH	5	0.49	28	
9	80	H	<20	TS		01.90	00.00	700	UBH	5	1.36	28	
15	80	H	27	TS		01.50	00.00	720	1H	1	1.40	35	
16	80	H	39	6		05.70	00.00	720	UBH	5	1.39	24	
17	80	H	<20	V2		00.00	00.00	720	UBH	5	1.35	24	
18	80	H	<20	V3		00.00	00.00	720	UBH	5	1.11	24	
20	80	H	<20	V3		00.00	00.00	720	UBH	5	1.94	24	
21	80	H	<20	V3		00.00	00.00	720	UBH	5	1.84	24	
24	80	H	<20	V3		00.00	00.00	720	UBH	5	1.58	24	
25	80	H	<20	V3		00.00	00.00	720	UBH	5	2.05	24	
27	80	H	39	V3		00.00	00.00	720	UBH	5	1.32	24	
29	80	H	<20	2		00.00	00.00	720	UBH	5	2.42	24	
29	80	H	<20	3		00.00	00.00	720	UBH	5	2.21	24	
29	80	H	<20	4		00.00	00.00	720	UBH	5	2.24	24	
29	80	H	<20	5		01.30	00.00	720	UBH	5	1.24	24	
30	80	H	36	1		02.90	00.00	720	UBH	5	1.56	24	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	80	H	<20	2		01.30	00.00	720	UBH	5	1.40	24	
30	80	H	30	3		01.80	00.00	720	UBH	5	2.96	24	
30	80	H	40	4		02.00	00.00	720	UBH	5	1.68	24	
30	80	H	28	5		00.70	00.00	720	UBH	5	1.75	24	
9	81	H	<20	TS		00.60	00.00	700	UBH	5	2.17	28	
10	81	H	<20	TS		03.40	00.00	700	UBH	1	1.03	28	
11	81	H	<20	TS		00.90	00.00	720	UBH	5	1.04	25	
12	81	H	27	TS		01.20	00.00	720	UBH	1	1.08	24	
15	81	H	<20	V2		00.00	00.00	720	UBH	5	0.87	24	
15	81	H	<20	V3		00.00	00.00	720	UBH	5	0.98	24	
15	81	H	<20	V4		00.00	00.00	720	UBH	5	1.07	24	
17	81	H	<20	V2		00.00	00.00	720	UBH	5	1.89	24	
17	81	H	<20	V3		00.00	00.00	720	UBH	5	2.54	24	
19	81	H	24	6		07.30	00.00	720	UBH	1	1.83	24	
19	81	H	<20	V2		00.00	00.00	720	UBH	5	1.16	24	
19	81	H	<20	V3		00.00	00.00	720	UBH	5	2.00	24	
20	81	H	<20	V3		00.00	00.00	720	UBH	5	1.87	24	
21	81	H	46	6		15.00	00.00	720	UBH	5	3.53	24	
24	81	H	<20	V2		00.00	00.00	720	UBH	5	0.98	24	
24	81	H	<20	V3		00.00	00.00	720	UBH	5	1.55	24	
29	81	H	25	2		00.40	00.00	720	UBH	5	2.71	24	
29	81	H	28	4		00.40	00.00	720	UBH	1	5.74	24	
30	81	H	<20	2		00.90	00.00	720	UBH	5	1.54	24	
30	81	H	26	3		02.00	00.00	720	UBH	5	1.32	24	
30	81	H	<20	4		00.60	00.00	720	UBH	5	1.68	24	

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LISTING OF INDICATIONS F PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	81	H	<20	5		01.10	00.00	720	UBH	1	4.43	24	
15	82	H	<20	V4		00.00	00.00	720	UBH	5	1.99	24	
16	82	H	37	6		08.20	00.00	720	UBH	5	1.24	24	
23	82	H	<20	V2		00.00	00.00	720	UBH	5	1.57	24	
25	82	H	<20	V2		00.00	00.00	720	UBH	5	1.73	24	
25	82	H	<20	V3		00.00	00.00	720	UBH	5	1.57	24	
15	83	H	<20	V3		00.00	00.00	720	UBH	5	1.19	24	
15	83	H	30	V4		00.00	00.00	720	UBH	3	0.65	24	
25	83	H	28	V2		00.00	00.00	720	UBH	1	2.55	24	
25	83	H	23	V3		00.00	00.00	720	UBH	1	4.21	24	
25	83	H	23	V4		00.00	00.00	720	UBH	1	5.48	24	
16	84	H	<20	V2		00.00	00.00	720	UBH	5	0.81	24	
17	84	H	20	6		04.50	00.00	720	UBH	5	1.28	24	
17	84	H	22	V2		00.00	00.00	720	UBH	5	1.64	24	
17	84	H	20	V3		00.00	00.00	720	UBH	5	1.37	24	
19	84	H	35	6		12.80	00.00	720	UBH	1	1.73	24	
20	84	H	34	6		04.20	00.00	720	UBH	5	0.94	24	
20	84	H	25	V3		00.00	00.00	720	UBH	5	1.39	24	
21	84	H	<20	V3		00.00	00.00	720	UBH	5	1.49	24	
23	84	H	46	6		06.80	00.00	720	UBH	5	1.75	24	
15	85	H	37	6		09.00	00.00	720	UBH	5	0.99	24	
20	85	H	40	6		05.00	00.00	720	UBH	5	0.74	24	
20	85	H	22	V1		00.00	00.00	720	UBH	5	1.03	24	

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LISTING OF INDICATIONS FOR PL B HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	85	H	<20	V2		00.00	00.00	720	UBH	5	1.61	24	
20	85	H	<20	V3		00.00	00.00	720	UBH	5	1.85	24	
24	85	H	<20	V2		00.00	00.00	720	UBH	5	1.10	24	
24	85	H	<20	V3		00.00	00.00	720	UBH	5	1.65	24	
14	86	H	<20	V2		00.00	00.00	720	UBH	5	1.72	24	
16	86	H	<20	V3		00.00	00.00	720	UBH	5	1.10	24	
16	86	H	<20	V4		00.00	00.00	720	UBH	5	1.97	24	
17	86	H	23	6		08.10	00.00	720	UBH	1	1.66	24	
18	86	H	28	6		12.20	00.00	720	UBH	5	1.53	24	
2	87	H	69	TS		-16.60	-22.00	720	1H	1	0.44	35	
19	87	H	<20	V2		00.00	00.00	720	UBH	5	1.75	25	
12	88	H	<20	6		04.20	00.00	720	UBH	5	1.67	25	
16	88	H	38	6		12.30	00.00	720	UBH	1	1.80	25	
11	89	H	21	6		03.80	00.00	720	UBH	5	2.48	25	
13	89	H	<20	6		04.80	00.00	720	UBH	5	1.39	25	
13	89	H	46	V1		00.00	00.00	720	UBH	5	0.88	25	
13	89	H	22	V2		00.00	00.00	720	UBH	5	1.59	25	
14	89	H	26	V1		00.00	00.00	720	UBH	5	0.92	25	
9	90	H	<20	1		00.40	00.00	700	UBH	5	1.35	28	
9	90	H	<20	6		09.70	00.00	700	UBH	1	2.86	28	
12	90	H	27	1		00.90	00.00	720	UBH	5	1.37	25	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	2	C	45	1		00.00	00.00	720	6H	5	5.05	1	
9	2	C	27	1		00.00	00.00	720	6H	5	6.48	1	
9	2	C	35	2		00.00	00.00	720	6H	5	6.89	1	
9	2	C	<20	3		00.00	00.00	720	6H	5	3.12	1	
10	2	C	35	1		01.30	00.00	720	6H	1	1.01	1	
10	2	C	41	2		00.00	00.00	720	6H	5	5.81	1	
10	2	C	35	3		00.00	00.00	720	6H	5	3.93	1	
8	3	C	30	1		00.00	00.00	720	6H	5	3.13	1	
8	3	C	<20	3		00.00	00.00	720	6H	5	3.71	1	
9	3	C	33	1		00.00	00.00	720	6H	5	3.56	1	
10	3	C	42	1		00.00	00.00	720	6H	5	7.51	1	
10	3	C	42	2		00.00	00.00	720	6H	5	9.37	1	
10	3	C	39	3		00.00	00.00	720	6H	5	5.70	1	
11	3	C	36	1		00.00	00.00	720	6H	5	6.97	1	
11	3	C	<20	6		00.00	00.00	720	6H	5	3.28	1	
12	3	C	36	1		01.50	00.00	720	6H	5	2.81	1	
12	3	C	27	1		03.60	00.00	720	6H	5	3.49	1	
12	3	C	30	3		00.00	00.00	720	6H	5	3.12	1	
13	3	C	42	1		00.00	00.00	720	6H	5	7.38	1	
10	4	C	47	1		00.00	00.00	720	6H	5	6.17	1	
10	4	C	27	3		00.00	00.00	720	6H	5	3.95	1	
12	4	C	42	1		00.00	00.00	720	6H	5	5.59	1	
12	4	C	<20	2		00.00	00.00	720	6H	5	2.26	1	
12	4	C	25	3		00.00	00.00	720	6H	5	4.19	1	
12	4	C	<20	4		00.00	00.00	720	6H	5	2.64	1	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	4	C	35	1		00.00	00.00	720	6H	5	5.25	1	
13	4	C	37	3		00.00	00.00	720	6H	5	4.97	1	
10	5	C	60	6		05.10	00.00	720	3H	5	0.86	10	
5	8	C	27	TS		00.90	00.00	720	6H	5	1.13	32	
6	8	C	21	1		00.00	00.00	720	6H	5	2.68	32	
7	8	C	<20	TS		00.90	00.00	720	6H	5	0.62	32	
6	9	C	21	3		00.00	00.00	720	6H	5	1.48	1	
10	9	C	30	TS		00.30	00.00	720	6H	5	0.78	1	
4	10	C	36	TS		00.60	00.00	720	1H	5	1.13	1	
6	10	C	<20	TS		00.00	00.00	720	6H	5	3.68	32	
7	10	C	45	TS		00.00	00.00	720	6H	5	1.72	32	
4	11	C	39	TS		00.30	00.00	720	1H	5	3.50	1	
5	11	C	32	TS		00.00	00.00	720	1H	5	2.21	1	
6	11	C	46	TS		00.40	00.00	720	1H	5	1.53	1	
7	11	C	45	TS		00.00	00.00	720	1H	5	2.71	1	
8	11	C	55	TS		00.00	00.00	720	1H	5	2.36	32	
3	12	C	<20	TS		01.30	00.00	720	1H	1	3.15	2	
4	12	C	47	TS		00.00	00.00	720	1H	1	3.64	2	
5	12	C	44	TS		00.00	00.80	720	1H	5	2.46	2	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	12	C	<20	TS		02.30	00.00	720	1H	1	6.02	2	
9	12	C	<20	TS		01.10	00.00	720	1H	5	1.50	2	
10	12	C	21	TS		00.80	00.00	720	6H	5	2.46	10	
10	12	C	44	TS		01.50	00.00	720	6H	5	2.81	10	
11	12	C	72	TS		00.00	00.00	720	1H	5	3.28	10	
13	12	C	46	TS		00.00	00.00	720	1H	5	4.52	2	
14	12	C	44	TS		00.00	00.00	720	1H	5	5.59	2	
15	12	C	64	TS		00.00	00.00	720	1H	5	2.42	10	
29	12	C	20	2		00.00	00.00	720	6H	5	5.00	2	
29	12	C	<20	3		00.00	00.00	720	6H	5	6.55	2	
29	12	C	30	4		00.00	00.00	720	6H	5	8.82	2	
30	12	C	37	1		00.00	00.00	720	6H	5	2.16	2	
30	12	C	43	2		00.00	00.00	720	6H	5	4.85	2	
30	12	C	41	3		00.00	00.00	720	6H	5	5.17	2	
30	12	C	46	4		00.00	00.00	720	6H	5	10.33	2	
30	12	C	35	5		00.00	00.00	720	6H	5	11.94	2	
3	13	C	<20	TS		01.30	00.00	720	1H	1	4.40	2	
7	13	C	<20	TS		00.00	02.90	720	1H	1	3.62	2	
8	13	C	41	TS		02.70	00.00	720	1H	1	2.68	2	
14	13	C	49	TS		00.00	00.00	720	1H	5	6.32	10	
15	13	C	43	TS		00.00	00.00	720	1H	5	4.85	2	
29	13	C	<20	2		00.00	00.00	720	6H	5	2.85	2	
29	13	C	<20	4		00.00	00.00	720	6H	1	16.61	2	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	13	C	28	1		00.00	00.00	720	6H	5	5.51	2	
30	13	C	44	2		00.00	00.00	720	6H	5	7.72	2	
30	13	C	46	3		00.60	00.00	720	6H	5	14.64	2	
30	13	C	51	4		00.00	00.00	720	6H	5	13.08	10	
30	13	C	58	5		00.00	00.00	720	6H	5	11.65	10	
7	14	C	<20	TS		03.40	00.00	720	1H	1	2.74	2	
11	14	C	<20	TS		02.60	00.00	720	1H	1	1.00	2	
15	14	C	55	TS		00.00	00.00	720	1H	5	6.97	10	
19	14	C	26	TS		00.50	00.00	720	2H	5	2.31	2	
29	14	C	<20	2		00.00	00.00	720	6H	5	2.38	2	
29	14	C	<20	3		00.00	00.00	720	6H	5	2.57	2	
29	14	C	<20	4		00.00	00.00	720	6H	5	5.18	2	
29	14	C	<20	5		00.00	00.00	720	6H	5	2.20	2	
30	14	C	30	1		00.00	00.00	720	6H	5	5.29	2	
30	14	C	28	2		00.00	00.00	720	6H	5	6.34	2	
30	14	C	<20	3		00.00	00.00	720	6H	1	9.93	2	
30	14	C	39	4		00.00	00.00	720	6H	5	8.01	2	
30	14	C	35	5		00.00	00.00	720	6H	5	10.52	2	
4	15	C	<20	TS		07.50	00.00	720	1H	1	1.60	2	
5	15	C	27	TS		07.10	00.00	720	1H	1	2.34	2	
6	15	C	49	TS		03.90	00.00	720	1H	1	2.19	10	
6	15	C	<20	TS		07.70	00.00	720	1H	5	2.26	2	
7	15	C	24	TS		05.00	00.00	720	1H	1	1.96	2	
7	15	C	53	TS		07.50	00.00	720	1H	1	0.94	10	
11	15	C	<20	TS		02.90	00.00	720	1H	1	3.79	2	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	15	C	<20	TS		05.90	00.00	720	1H	1	2.09	2	
12	15	C	<20	TS		02.90	00.00	720	1H	1	3.84	2	
15	15	C	32	TS		00.00	00.00	720	1H	1	8.33	2	
29	15	C	<20	4		00.00	00.00	720	6H	1	5.52	2	
29	15	C	<20	5		00.00	00.00	720	6H	5	2.61	2	
30	15	C	21	1		00.00	00.00	720	6H	5	2.54	10	
30	15	C	30	2		00.00	00.00	720	6H	5	3.17	10	
30	15	C	<20	3		00.00	00.00	720	6H	5	4.11	10	
30	15	C	21	4		00.00	00.00	720	6H	5	4.07	10	
30	15	C	39	5		00.00	00.00	720	6H	5	4.29	10	
31	15	C	<20	1		01.60	00.00	720	6H	1	3.57	2	
31	15	C	23	2		00.00	00.00	720	6H	5	3.22	2	
31	15	C	20	3		00.00	00.00	720	6H	5	6.02	2	
31	15	C	20	4		00.00	00.00	720	6H	5	4.36	2	
31	15	C	26	5		00.00	00.00	720	6H	5	7.28	2	
32	15	C	20	2		00.00	00.00	720	6H	5	5.83	2	
32	15	C	<20	3		00.00	00.00	720	6H	5	3.23	2	
32	15	C	<20	4		00.00	00.00	720	6H	5	4.86	2	
32	15	C	20	5		00.00	00.00	720	6H	5	2.75	2	
33	15	C	20	2		00.00	00.00	720	6H	5	4.29	2	
33	15	C	55	3		00.00	00.00	720	6H	5	12.63	10	
33	15	C	28	4		00.30	00.00	720	6H	5	6.88	2	
33	15	C	44	5		00.00	00.00	720	6H	5	6.85	2	
7	16	C	<20	TS		00.90	00.00	720	1H	1	8.70	2	
8	16	C	<20	TS		01.10	00.00	720	1H	1	8.01	2	
9	16	C	<20	TS		00.90	00.00	720	1H	1	7.64	2	
10	16	C	59	TS		00.90	00.00	720	1H	5	3.71	10	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	16	C	<20	TS		02.00	00.00	720	1H	5	1.48	2	
11	16	C	22	TS		07.60	00.00	720	1H	1	3.09	2	
12	16	C	32	TS		01.90	00.00	720	1H	1	3.77	2	
14	16	C	<20	TS		03.90	00.00	720	1H	1	2.34	2	
30	16	C	<20	4		00.00	00.00	720	6H	5	2.77	2	
31	16	C	<20	2		00.00	00.00	720	6H	5	2.61	2	
31	16	C	<20	3		00.00	00.00	720	6H	5	3.00	2	
31	16	C	<20	4		00.00	00.00	720	6H	5	2.93	2	
31	16	C	<20	5		00.00	00.00	720	6H	5	2.34	2	
32	16	C	30	1		00.00	00.00	720	6H	5	3.17	2	
32	16	C	30	2		00.00	00.00	720	6H	5	6.31	2	
32	16	C	23	3		00.00	00.00	720	6H	5	3.53	2	
32	16	C	23	4		00.00	00.00	720	6H	5	6.96	2	
32	16	C	30	5		00.00	00.00	720	6H	5	5.42	2	
33	16	C	33	1		00.00	00.00	720	6H	5	2.62	2	
33	16	C	<20	2		00.00	00.00	720	6H	5	4.41	2	
33	16	C	33	5		00.00	00.00	720	6H	5	3.77	2	
34	16	C	<20	1		00.00	00.00	720	6H	5	2.74	2	
34	16	C	<20	3		00.00	00.00	720	6H	5	2.74	2	
34	16	C	<20	4		00.00	00.00	720	6H	5	3.37	2	
34	16	C	35	5		00.00	00.00	720	6H	5	2.86	2	
3	17	C	28	TS		01.30	00.00	720	1H	5	1.63	2	
6	17	C	78	TS		06.40	00.00	720	6H	5	1.74	32	
7	17	C	49	TS		05.90	00.00	720	1H	1	5.28	10	
9	17	C	46	TS		00.00	00.00	720	2H	5	11.00	2	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	-----	-----	--	--	--	-----	-----	-----
10	17	C	35	TS		06.10	00.00	720	6H	1	1.65	2	
14	17	C	58	TS		00.00	00.00	720	1H	5	9.17	36	
20	17	C	<20	TS		00.00	00.00	720	1H	5	2.75	2	
31	17	C	<20	4		00.00	00.00	720	6H	5	3.56	2	
32	17	C	<20	1		00.00	00.00	720	6H	5	1.43	2	
32	17	C	<20	2		00.00	00.00	720	6H	5	3.30	2	
32	17	C	<20	3		00.00	00.00	720	6H	5	2.78	2	
32	17	C	<20	4		50.50	00.00	720	6H	5	3.95	2	
33	17	C	33	1		00.00	00.00	720	6H	5	3.95	2	
33	17	C	20	2		00.00	00.00	720	6H	5	2.74	2	
33	17	C	33	3		50.30	00.00	720	6H	5	2.36	2	
33	17	C	33	4		00.00	00.00	720	6H	5	3.16	2	
34	17	C	23	2		00.00	00.00	720	6H	5	1.73	2	
34	17	C	<20	3		00.00	00.00	720	6H	5	2.02	2	
34	17	C	<20	4		00.00	00.00	720	6H	5	4.28	2	
34	17	C	<20	5		00.00	00.00	720	6H	5	2.11	2	
1	18	C	27	TS		00.70	00.00	720	1H	1	2.30	2	
2	18	C	30	TS		00.60	00.00	720	1H	5	1.89	2	
3	18	C	33	TS		01.90	00.00	720	1H	5	2.19	2	
15	18	C	<20	TS		01.70	00.00	720	1H	1	2.47	2	
2	19	C	37	TS		01.70	00.00	720	1H	5	1.28	2	
3	19	C	<20	TS		00.80	00.00	720	1H	1	4.02	2	
8	19	C	29	TS		01.80	00.00	720	1H	1	3.10	2	
9	19	C	49	TS		01.70	00.00	720	1H	1	2.25	10	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	20	C	29	TS		01.30	00.00	720	1H	1	2.19	3	
4	20	C	37	TS		04.90	00.00	720	1H	1	2.77	3	
7	20	C	37	TS		07.70	00.00	720	1H	1	2.74	3	
8	20	C	25	TS		07.50	00.00	720	1H	1	1.80	3	
9	20	C	27	TS		00.00	00.00	720	1H	1	1.67	3	
10	20	C	31	TS		10.10	00.00	720	1H	5	1.27	10	
15	20	C	36	TS		00.00	00.00	720	1H	5	5.01	3	
24	20	C	<20	TS		00.00	00.00	720	1H	1	7.25	3	
2	21	C	<20	TS		01.70	00.00	720	6H	5	2.15	3	
6	21	C	33	TS		04.40	00.00	720	6H	1	1.93	3	
7	21	C	24	TS		08.00	00.00	720	1H	5	1.69	3	
8	21	C	23	TS		08.50	00.00	720	1H	1	2.87	3	
12	21	C	27	TS		07.50	00.00	720	1H	1	2.51	3	
14	21	C	36	TS		02.60	00.00	720	6H	5	3.56	3	
14	21	C	27	I		00.00	00.00	720	6H	1	5.18	3	
16	21	C	31	TS		02.00	00.00	720	1H	1	4.22	3	
21	21	C	70	TS		00.00	00.00	720	1H	5	5.27	10	
24	21	C	45	TS		00.00	00.00	720	1H	5	3.45	3	
1	22	C	47	TS		00.00	00.00	720	1H	5	4.40	3	
2	22	C	<20	TS		02.60	00.00	720	1H	1	3.82	3	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	22	C	54	TS		02.40	00.00	720	1H	1	3.15	10	
11	22	C	41	TS		08.30	00.00	720	1H	5	4.23	3	
12	22	C	23	TS		04.00	00.00	720	1H	1	2.33	3	
13	22	C	25	TS		02.70	00.00	720	1H	1	2.06	3	
15	22	C	<20	TS		02.40	00.00	720	1H	1	3.82	3	
16	22	C	35	TS		02.10	00.00	720	1H	1	2.13	3	
17	22	C	45	TS		01.80	00.00	720	1H	1	2.75	3	
20	22	C	<20	TS		01.10	00.00	720	1H	1	4.35	3	
25	22	C	69	TS		00.00	00.00	720	1H	5	2.44	10	
4	23	C	38	TS		11.40	00.00	720	1H	1	2.35	3	
5	23	C	95	TS		05.90	00.00	720	1H	5	5.17	10	
6	23	C	23	TS		06.30	00.00	720	1H	1	7.26	3	
9	23	C	32	TS		07.50	00.00	720	1H	1	1.69	3	
9	23	C	<20	TS		09.10	00.00	720	1H	1	2.04	3	
13	23	C	37	TS		08.00	00.00	720	1H	1	2.26	3	
26	23	C	45	TS		00.00	00.00	720	1H	5	4.09	3	
1	24	C	44	TS		01.80	00.00	720	2H	5	2.05	3	
8	24	C	59	TS		08.70	00.00	720	1H	1	1.44	10	
10	24	C	32	TS		09.00	00.00	720	1H	1	4.92	3	
20	24	C	<20	TS		00.60	00.00	720	1H	1	3.11	3	

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LISTING OF INDICATIONS FOR CPL 8 COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	24	C	<20	TS		00.60	00.00	720	1H	1	4.36	3	
28	24	C	47	TS		00.00	00.00	720	1H	5	1.40	3	
6	25	C	28	TS		10.60	00.00	720	6H	1	1.57	3	
3	26	C	27	TS		03.10	00.00	720	1H	1	2.46	3	
3	26	C	<20	TS		06.60	00.00	720	1H	1	2.03	3	
30	26	C	37	TS		00.00	00.00	720	2H	5	0.84	3	
7	27	C	33	TS		10.10	00.00	720	1H	1	2.72	3	
9	27	C	<20	TS		11.10	00.00	720	1H	1	3.03	3	
11	27	C	26	TS		11.60	00.00	720	1H	1	1.73	3	
12	27	C	<20	TS		08.00	00.00	720	1H	1	3.73	3	
13	27	C	32	TS		08.60	00.00	720	1H	1	3.27	3	
14	27	C	<20	TS		00.00	00.00	720	1H	5	7.19	3	
14	27	C	<20	TS		08.20	00.00	720	1H	1	4.11	3	
15	27	C	<20	TS		07.70	00.00	720	1H	1	2.85	3	
2	28	C	<20	TS		02.70	00.00	720	1H	5	2.33	4	
3	28	C	38	TS		02.20	00.00	720	1H	5	1.31	4	
9	28	C	23	TS		15.80	00.00	720	6H	5	0.70	32	
12	28	C	<20	TS		09.10	00.00	720	1H	5	3.35	4	
13	28	C	<20	TS		09.80	00.00	720	1H	5	3.42	4	
14	28	C	<20	TS		08.50	00.00	720	1H	5	2.90	4	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	28	C	30	TS		09.50	00.00	720	1H	5	2.72	4	
16	28	C	30	TS		09.30	00.00	720	1H	5	4.51	4	
17	28	C	<20	TS		00.00	00.00	720	1H	5	1.49	4	
30	28	C	36	TS		00.00	00.00	720	1H	5	3.45	4	
31	28	C	33	TS		00.00	00.00	720	1H	5	3.94	4	
32	28	C	<20	TS		00.00	00.00	720	1H	5	5.38	4	
33	28	C	43	TS		00.00	00.00	720	1H	5	1.08	4	
1	29	C	<20	TS		00.00	00.00	720	1H	5	12.13	4	
11	29	C	<20	TS		12.20	00.00	720	1H	5	3.19	4	
12	29	C	<20	TS		12.40	00.00	720	1H	5	3.32	4	
13	29	C	25	TS		12.10	00.00	720	1H	5	1.92	4	
14	29	C	22	TS		09.70	00.00	720	3H	5	2.29	4	
15	29	C	<20	TS		00.00	00.00	720	1H	5	2.27	4	
16	29	C	<20	TS		10.00	00.00	720	1H	5	2.33	4	
17	29	C	43	TS		12.60	00.00	720	1H	5	2.98	4	
19	29	C	38	TS		08.40	12.00	720	2H	5	2.58	4	
28	29	C	27	TS		02.40	04.50	720	1H	1	1.21	4	
34	29	C	46	TS		00.00	00.00	720	6H	5	1.31	32	
1	30	C	23	TS		01.10	00.00	720	1H	1	1.78	4	

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LISTING OF INDICATIONS FOR CPL B. COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	30	C	38	TS		02.70	00.00	720	6H	1	3.52	4	
4	30	C	27	TS		10.00	00.00	720	1H	1	1.91	4	
6	30	C	33	TS		06.90	00.00	720	1H	1	1.90	4	
7	30	C	37	TS		13.50	00.00	720	1H	1	2.29	4	
8	30	C	25	TS		11.60	12.80	720	1H	1	2.85	4	
11	30	C	32	TS		08.80	12.00	720	1H	1	4.23	4	
12	30	C	38	TS		08.90	11.00	720	1H	1	8.35	4	
13	30	C	29	TS		10.00	15.00	720	1H	1	2.33	4	
15	30	C	39	TS		10.50	13.00	720	1H	1	3.87	4	
16	30	C	38	TS		08.60	15.70	720	1H	1	2.88	4	
18	30	C	<20	TS		08.50	00.00	720	2H	1	3.79	4	
18	30	C	25	TS		12.00	00.00	720	2H	1	3.29	4	
30	30	C	23	TS		02.70	00.00	720	1H	1	1.58	4	
7	31	C	36	TS		05.90	00.00	720	1H	1	2.25	4	
7	31	C	<20	TS		07.50	00.00	720	1H	1	1.52	4	
11	31	C	<20	TS		10.80	00.00	720	1H	1	4.72	4	
12	31	C	46	TS		10.20	00.00	720	1H	1	8.61	4	
12	31	C	45	TS		10.90	00.00	720	1H	1	6.36	4	
15	31	C	25	TS		11.20	00.00	720	1H	1	5.14	4	
15	31	C	23	TS		13.00	00.00	720	1H	1	8.65	4	
18	31	C	<20	TS		08.60	00.00	720	1H	1	3.47	4	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	31	C	26	TS		10.40	00.00	720	1H	1	4.79	4	
19	31	C	<20	TS		09.00	00.00	720	1H	1	1.79	4	
19	31	C	25	TS		12.90	00.00	720	1H	1	4.35	4	
20	31	C	21	TS		06.30	00.00	720	1H	1	2.28	4	
22	31	C	<20	TS		09.60	00.00	720	1H	1	2.89	4	
25	31	C	29	TS		05.70	00.00	720	1H	1	1.58	4	
1	32	C	29	TS		01.00	00.00	720	1H	1	1.62	4	
3	32	C	23	TS		02.40	00.00	720	1H	1	2.66	4	
12	32	C	33	TS		11.40	00.00	720	1H	1	9.71	4	
13	32	C	26	TS		11.30	00.00	720	1H	1	8.45	4	
15	32	C	22	TS		11.00	00.00	720	1H	1	8.15	4	
15	32	C	27	TS		13.40	00.00	720	1H	1	8.16	4	
18	32	C	<20	TS		13.20	00.00	720	1H	5	1.42	4	
19	32	C	<20	TS		09.50	00.00	720	1H	5	2.18	4	
23	32	C	<20	TS		07.70	00.00	720	1H	5	0.97	4	
24	32	C	38	TS		08.00	00.00	720	1H	5	1.04	4	
38	32	C	21	TS		00.00	00.00	720	1H	5	5.08	4	
42	32	C	39	2		00.00	00.00	720	6H	5	1.98	4	
42	32	C	23	3		00.00	00.00	720	6H	5	3.83	4	
42	32	C	<20	4		00.00	00.00	720	6H	5	2.14	4	
43	32	C	66	1		00.00	00.00	720	6H	5	4.34	32	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	---	---	---	----	----	-----
43	32	C	25	2		00.00	00.00	720	6H	5	3.39	4	
43	32	C	<20	3		00.00	00.00	720	6H	5	2.32	4	
43	32	C	<20	4		00.00	00.00	720	6H	5	2.87	4	
1	33	C	34	TS		01.80	00.00	720	1H	1	2.20	4	
4	33	C	94	TS		03.50	00.00	720	1H	5	2.30	32	
5	33	C	62	TS		02.30	00.00	720	1H	5	3.08	32	
11	33	C	28	TS		09.80	00.00	720	1H	5	1.99	4	
12	33	C	27	TS		10.30	00.00	720	1H	1	3.70	4	
13	33	C	22	TS		10.80	00.00	720	1H	1	4.40	4	
14	33	C	<20	TS		10.70	00.00	720	3H	5	2.43	4	
15	33	C	41	TS		10.20	15.00	720	1H	5	7.05	4	
16	33	C	77	TS		12.10	00.00	720	2H	5	0.92	36	
18	33	C	21	TS		10.00	17.20	720	6H	5	1.48	4	
19	33	C	<20	TS		10.50	00.00	720	1H	5	1.52	4	
19	33	C	23	TS		14.10	00.00	720	1H	5	2.67	4	
20	33	C	<20	TS		07.80	00.00	720	1H	5	1.53	4	
20	33	C	30	TS		09.90	00.00	720	1H	5	1.28	4	
21	33	C	22	TS		08.40	00.00	720	1H	5	1.42	4	
21	33	C	26	TS		12.30	00.00	720	1H	5	1.19	4	
42	33	C	<20	2		00.00	00.00	720	6H	5	2.79	4	
42	33	C	25	3		00.00	00.00	720	6H	5	2.01	4	
42	33	C	<20	4		00.00	00.00	720	6H	5	2.37	4	
43	33	C	25	1		01.60	00.00	720	6H	5	2.67	4	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	-----	-----	--	--	--	-----	-----	-----
43	33	C	33	2		00.00	00.00	720	6H	5	5.54	4	
43	33	C	25	3		00.00	00.00	720	6H	5	4.86	4	
43	33	C	26	4		00.00	00.00	720	6H	5	3.30	4	
43	33	C	31	5		00.00	00.00	720	6H	5	3.16	4	
2	34	C	29	TS		01.20	00.00	720	1H	5	2.55	4	
4	34	C	25	TS		02.80	00.00	720	1H	5	1.77	4	
12	34	C	33	TS		11.60	00.00	720	1H	5	4.52	4	
14	34	C	25	TS		11.80	00.00	720	1H	5	3.85	4	
15	34	C	28	TS		10.50	18.40	720	1H	5	4.77	4	
16	34	C	<20	TS		12.80	00.00	720	1H	5	3.19	4	
21	34	C	<20	TS		09.50	00.00	720	1H	5	2.53	4	
28	34	C	<20	TS		04.70	00.00	720	1H	5	1.17	4	
32	34	C	<20	TS		03.20	00.00	720	1H	5	1.57	4	
34	34	C	30	TS		04.20	00.00	720	1H	5	1.10	4	
36	34	C	35	TS		01.70	00.00	720	1H	1	1.72	4	
37	34	C	55	TS		00.40	00.00	720	1H	5	2.01	32	
42	34	C	34	1		00.00	00.00	720	6H	5	2.17	4	
42	34	C	34	2		00.00	00.00	720	6H	5	6.45	4	
42	34	C	28	3		00.00	00.00	720	6H	5	3.13	4	
42	34	C	26	4		00.00	00.00	720	6H	5	3.20	4	
42	34	C	<20	5		00.00	00.00	720	6H	5	4.15	4	
2	35	C	26	TS		01.30	00.00	720	1H	5	2.78	4	
3	35	C	<20	TS		01.20	00.00	720	1H	5	1.80	4	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
4	35	C	23	TS		02.90	00.00	720	1H	5	1.86	4	
12	35	C	31	TS		10.60	00.00	720	1H	5	3.82	4	
13	35	C	23	TS		11.40	00.00	720	1H	5	1.83	4	
15	35	C	33	TS		12.50	00.00	720	1H	5	4.35	4	
16	35	C	22	TS		12.30	00.00	720	1H	5	2.99	4	
16	35	C	33	TS		17.80	00.00	720	1H	5	2.88	4	
17	35	C	28	TS		12.50	00.00	720	1H	5	2.73	4	
18	35	C	<20	TS		11.30	00.00	720	1H	5	1.52	4	
19	35	C	36	TS		12.30	00.00	720	1H	5	2.36	4	
20	35	C	25	TS		12.50	00.00	720	1H	5	2.43	4	
21	35	C	39	TS		12.10	00.00	720	1H	5	2.18	4	
23	35	C	29	TS		14.10	00.00	720	1H	5	1.49	4	
25	35	C	<20	TS		11.70	00.00	720	1H	5	1.72	4	
28	35	C	23	TS		05.90	00.00	720	1H	5	1.13	4	
30	35	C	<20	TS		03.20	00.00	720	2H	5	1.78	4	
31	35	C	65	TS		00.00	00.00	720	1H	5	3.18	32	
32	35	C	30	TS		02.60	00.00	720	1H	5	1.76	4	
33	35	C	<20	TS		02.50	00.00	720	1H	5	1.80	4	
37	35	C	60	TS		00.00	00.00	720	1H	5	2.04	32	
40	35	C	22	TS		00.00	00.00	720	6H	5	3.97	4	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
42	35	C	38	1		00.70	00.00	720	6H	5	1.67	4	
42	35	C	34	2		01.00	00.00	720	6H	5	2.08	4	
42	35	C	42	3		01.10	00.00	720	6H	5	1.61	4	
42	35	C	36	5		01.00	00.00	720	6H	5	1.70	4	
43	35	C	51	1		00.00	00.00	720	2H	5	3.74	32	
43	35	C	35	2		00.00	00.00	720	6H	5	9.17	4	
43	35	C	36	3		00.00	00.00	720	6H	5	5.40	4	
43	35	C	31	4		00.00	00.00	720	6H	5	4.30	4	
43	35	C	43	5		00.00	00.00	720	6H	5	3.58	4	
44	35	C	81	1		00.00	00.00	720	4H	5	4.56	32	
2	36	C	43	TS		01.00	00.00	720	1H	5	3.59	5	
4	36	C	34	TS		02.00	00.00	720	1H	5	1.50	5	
10	36	C	21	TS		07.70	00.00	720	1H	5	2.77	5	
13	36	C	23	TS		10.30	00.00	720	1H	5	2.65	5	
15	36	C	28	TS		11.50	00.00	720	1H	5	2.21	5	
19	36	C	28	TS		12.10	00.00	720	2H	5	2.17	5	
25	36	C	32	TS		03.60	15.50	720	1H	5	1.60	5	
32	36	C	36	TS		02.40	00.00	720	1H	5	2.02	5	
42	36	C	39	2		00.00	00.00	720	6H	5	3.42	5	
42	36	C	30	5		00.00	00.00	720	6H	5	2.99	5	
43	36	C	44	1		02.30	00.00	720	3H	5	3.20	5	
43	36	C	35	2		00.00	00.00	720	3H	5	8.57	5	
43	36	C	25	3		00.00	00.00	720	3H	5	2.21	5	
43	36	C	42	4		00.00	00.00	720	3H	5	4.35	5	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
43	36	C	34	5		00.00	00.00	720	3H	5	5.02	5	
1	37	C	<20	TS		00.90	00.00	720	1H	5	1.69	5	
2	37	C	32	TS		02.00	00.00	720	6H	5	2.90	5	
4	37	C	21	TS		02.40	00.00	720	1H	5	2.50	5	
6	37	C	72	TS		06.50	00.00	720	6H	5	1.39	32	
8	37	C	21	TS		07.90	00.00	720	1H	5	1.50	5	
13	37	C	27	TS		09.00	00.00	720	2H	5	1.04	5	
15	37	C	38	TS		11.00	00.00	720	1H	5	1.48	5	
16	37	C	23	TS		13.90	00.00	720	1H	5	2.54	5	
18	37	C	31	TS		12.10	00.00	720	6H	5	1.19	32	
21	37	C	34	TS		09.80	00.00	720	1H	5	1.99	5	
22	37	C	26	TS		10.30	00.00	720	6H	5	2.32	5	
25	37	C	28	TS		13.80	00.00	720	1H	5	2.33	5	
28	37	C	36	TS		04.10	00.00	720	1H	5	2.82	5	
29	37	C	25	TS		04.80	00.00	720	1H	5	1.47	5	
30	37	C	<20	TS		05.90	00.00	720	6H	5	1.38	5	
37	37	C	51	TS		00.00	00.00	720	1H	5	2.75	32	
39	37	C	23	TS		00.00	00.00	720	3H	5	2.16	5	
43	37	C	37	1		00.00	00.00	720	6H	5	3.92	5	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	-----	-----	---	---	---	-----	-----	-----
43	37	C	35	1		02.00	00.00	720	6H	5	1.99	5	
43	37	C	39	2		00.00	00.00	720	6H	5	7.87	5	
43	37	C	34	3		00.00	00.00	720	6H	5	4.06	5	
43	37	C	34	4		00.00	00.00	720	6H	5	5.66	5	
43	37	C	30	5		00.00	00.00	720	6H	5	5.14	5	
44	37	C	26	2		00.00	00.00	720	6H	5	3.83	5	
44	37	C	35	4		00.00	00.00	720	6H	5	2.33	5	
1	38	C	28	TS		00.60	00.00	720	1H	6	2.13	5	
2	38	C	38	TS		01.80	00.00	720	1H	5	2.68	5	
3	38	C	36	TS		01.70	00.00	720	1H	5	2.77	5	
4	38	C	45	TS		01.60	00.00	720	1H	5	2.13	5	
6	38	C	34	TS		04.80	00.00	720	1H	1	3.81	5	
6	38	C	46	TS		06.10	00.00	720	1H	5	1.12	5	
7	38	C	<20	TS		00.00	00.00	720	1H	1	5.97	5	
8	38	C	21	TS		08.30	00.00	720	1H	1	2.66	5	
19	38	C	30	TS		11.70	00.00	720	1H	5	1.79	5	
19	38	C	27	TS		14.40	00.00	720	1H	5	2.87	5	
20	38	C	21	TS		11.70	00.00	720	1H	1	4.26	5	
21	38	C	<20	TS		11.10	00.00	720	1H	5	2.32	5	
29	38	C	26	TS		07.00	00.00	720	2H	5	1.21	5	
33	38	C	99	TS		00.00	00.00	720	1H	5	3.12	32	
33	38	C	37	TS		03.80	00.00	720	1H	1	2.38	5	
39	38	C	23	TS		00.00	00.00	720	2H	5	2.01	5	

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LISTING OF INDICATIONS FOR PL-B GOLD-LEG-NOVEMBER-83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
43	38	C	29	3		00.00	00.00	720	6H	5	2.16	5	
43	38	C	30	4		00.00	00.00	720	6H	5	3.78	5	
44	38	C	27	2		00.00	00.00	720	6H	5	2.85	5	
2	39	C	40	TS		01.10	00.00	720	1H	1	1.44	5	
4	39	C	36	TS		01.70	00.00	720	1H	5	3.46	5	
11	39	C	<20	TS		04.60	00.00	720	1H	1	3.62	5	
12	39	C	30	TS		08.00	00.00	720	2H	5	2.71	5	
15	39	C	25	TS		00.00	00.00	720	1H	1	2.32	5	
17	39	C	<20	TS		11.90	00.00	720	1H	1	2.96	5	
18	39	C	<20	TS		11.30	00.00	720	1H	5	2.21	5	
22	39	C	<20	TS		10.70	00.00	720	1H	5	1.37	5	
24	39	C	45	TS		10.10	00.00	720	1H	5	1.39	5	
25	39	C	36	TS		10.00	00.00	720	1H	5	2.41	5	
26	39	C	44	TS		06.40	00.00	720	6H	5	5.18	5	
26	39	C	41	TS		07.00	00.00	720	6H	5	2.47	5	
26	39	C	43	TS		07.80	00.00	720	6H	5	1.99	5	
26	39	C	45	TS		09.00	00.00	720	6H	5	2.01	5	
27	39	C	27	TS		05.70	00.00	720	1H	5	1.82	5	
40	39	C	<20	TS		00.00	00.00	720	6H	5	5.91	5	
41	39	C	23	3		00.00	00.00	720	6H	5	3.98	5	
3	40	C	45	TS		02.60	00.00	720	1H	5	4.25	5	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	40	C	41	TS		02.70	00.00	720	1H	5	4.54	5	
4	40	C	32	TS		02.30	00.00	720	1H	5	3.24	5	
5	40	C	31	TS		03.00	00.00	720	1H	5	4.04	5	
8	40	C	<20	TS		06.00	00.00	720	1H	5	1.75	5	
12	40	C	34	TS		07.80	00.00	720	1H	5	2.63	5	
18	40	C	36	TS		10.90	00.00	720	1H	5	1.81	5	
18	40	C	27	TS		12.90	00.00	720	1H	5	2.09	5	
29	40	C	22	TS		00.00	00.00	720	1H	5	3.93	5	
36	40	C	39	TS		00.00	00.00	720	6H	5	2.60	32	
39	40	C	<20	TS		00.00	00.00	720	1H	5	1.57	5	
2	41	C	23	TS		01.60	00.00	720	6H	5	2.60	5	
3	41	C	22	TS		02.00	00.00	720	1H	5	2.83	5	
4	41	C	32	TS		02.40	00.00	720	1H	5	2.58	5	
5	41	C	34	TS		02.70	00.00	720	1H	5	2.37	5	
21	41	C	27	TS		01.30	00.00	720	1H	1	1.88	5	
22	41	C	22	TS		12.50	00.00	720	6H	5	6.34	5	
25	41	C	26	TS		06.00	15.40	720	6H	5	1.48	5	
26	41	C	37	TS		09.10	00.00	720	6H	5	1.64	5	
1	42	C	33	TS		01.50	00.00	720	1H	5	2.94	5	
2	42	C	26	TS		02.00	00.00	720	1H	5	2.83	5	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
----	----	----	-----	----	----	-----	-----	---	---	---	-----	-----	-----
3	42	C	46	TS		02.60	00.00	720	1H	5	3.80	5	
4	42	C	24	TS		02.60	00.00	720	1H	5	3.08	5	
5	42	C	36	TS		02.30	00.00	720	1H	5	3.68	5	
8	42	C	<20	TS		06.50	00.00	720	1H	5	1.93	5	
9	42	C	24	TS		07.60	00.00	720	6H	5	1.71	32	
20	42	C	<20	TS		11.00	00.00	720	1H	5	2.19	5	
20	42	C	<20	TS		13.00	00.00	720	1H	5	1.78	5	
25	42	C	37	TS		08.70	00.00	720	1H	5	1.55	5	
26	42	C	32	TS		08.40	00.00	720	1H	5	3.22	5	
38	42	C	33	TS		00.00	00.00	720	1H	5	1.45	5	
1	43	C	42	TS		00.80	00.00	720	1H	5	2.47	5	
3	43	C	24	TS		01.40	00.00	720	1H	5	2.73	5	
4	43	C	33	TS		01.30	00.00	720	1H	5	2.51	10	
5	43	C	40	TS		02.60	00.00	720	1H	5	2.72	5	
10	43	C	<20	TS		00.00	00.00	720	2H	5	8.73	32	
10	43	C	23	TS		06.90	00.00	720	2H	6	2.01	32	
28	43	C	<20	TS		00.00	00.00	720	1H	5	7.44	5	
38	43	C	25	TS		00.00	00.00	720	1H	5	1.97	5	
1	44	C	30	TS		00.60	00.00	720	1H	5	2.15	5	
1	44	C	29	TS		02.30	00.00	720	1H	5	1.76	5	
2	44	C	32	TS		01.60	00.00	720	1H	5	1.23	5	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	44	C	29	TS		02.20	00.00	720	1H	5	1.77	5	
4	44	C	30	TS		03.00	00.00	720	1H	5	2.27	5	
5	44	C	34	TS		04.60	00.00	720	1H	5	1.62	5	
6	44	C	<20	TS		02.80	00.00	720	1H	5	1.81	5	
10	44	C	27	TS		10.30	00.00	720	1H	5	1.31	5	
19	44	C	44	TS		09.00	00.00	720	1H	5	4.99	5	
19	44	C	47	TS		11.00	00.00	720	1H	5	4.72	5	
22	44	C	<20	TS		09.00	00.00	720	1H	5	2.23	5	
38	44	C	42	TS		00.00	00.00	720	1H	5	1.41	5	
1	45	C	25	TS		00.90	00.00	720	1H	5	1.69	5	
3	45	C	27	TS		01.70	00.00	720	1H	5	2.67	5	
5	45	C	31	TS		03.30	00.00	720	1H	5	1.46	5	
9	45	C	<20	TS		09.70	00.00	720	1H	5	1.33	5	
10	45	C	30	TS		10.30	00.00	720	6H	5	1.81	5	
11	45	C	31	TS		11.10	00.00	720	1H	5	1.60	5	
12	45	C	22	TS		08.70	00.00	720	1H	5	1.72	5	
13	45	C	<20	TS		09.00	00.00	720	1H	5	2.39	5	
18	45	C	31	TS		11.70	00.00	720	6H	5	1.65	32	
22	45	C	25	TS		10.70	00.00	720	6H	5	2.06	5	
28	45	C	29	TS		08.30	00.00	720	1H	5	1.27	5	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
29	45	C	42	TS		07.40	00.00	720	1H	5	1.06	5	
37	45	C	<20	TS		00.00	00.00	720	1H	5	1.82	5	
38	45	C	42	TS		00.00	00.00	720	6H	5	1.02	32	
2	46	C	25	TS		04.70	00.00	720	1H	5	1.28	5	
9	46	C	30	TS		12.40	00.00	720	1H	5	2.41	6	
10	46	C	<20	TS		12.10	00.00	720	1H	5	1.18	6	
12	46	C	23	TS		11.40	00.00	720	1H	5	1.85	6	
13	46	C	26	TS		11.90	00.00	720	1H	5	3.24	6	
14	46	C	29	TS		13.50	00.00	720	1H	5	1.70	6	
18	46	C	34	TS		10.10	00.00	720	1H	5	1.68	6	
22	46	C	30	TS		12.10	00.00	720	1H	5	2.79	6	
28	46	C	40	TS		09.50	00.00	720	1H	5	1.55	6	
29	46	C	<20	TS		00.00	00.00	720	1H	5	4.07	6	
29	46	C	46	TS		07.20	00.00	720	1H	5	1.10	6	
2	47	C	30	TS		04.30	00.00	720	1H	5	2.09	6	
3	47	C	78	TS		08.30	00.00	720	1H	5	2.35	36	
4	47	C	39	TS		01.40	00.00	720	1H	5	1.72	10	
8	47	C	29	TS		10.30	00.00	720	1H	5	1.57	6	
9	47	C	41	TS		10.60	00.00	720	1H	5	1.64	6	
10	47	C	27	TS		11.00	00.00	720	1H	5	4.52	6	

01/08

LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	47	C	35	TS		11.10	00.00	720	1H	5	2.54	6	
20	47	C	50	TS		10.30	00.00	720	1H	1	6.54	6	
28	47	C	33	TS		08.60	00.00	720	1H	5	3.11	6	
29	47	C	25	TS		09.10	00.00	720	1H	5	1.53	6	
30	47	C	<20	TS		00.00	00.00	720	1H	5	1.60	6	
32	47	C	30	1		00.00	00.00	720	1H	5	2.00	6	
34	47	C	<20	TS		00.00	00.00	720	1H	5	5.79	6	
39	47	C	26	TS		00.00	00.00	720	1H	5	1.26	6	
44	47	C	<20	TS		00.00	00.00	720	1H	5	1.29	6	
1	48	C	32	TS		02.00	00.00	720	1H	5	1.87	6	
2	48	C	31	TS		02.30	00.00	720	1H	5	1.61	6	
3	48	C	20	TS		01.00	00.00	720	1H	5	1.34	6	
4	48	C	42	TS		01.90	00.00	720	1H	5	1.66	6	
7	48	C	34	TS		06.10	00.00	720	1H	5	1.00	6	
11	48	C	<20	TS		06.30	00.00	720	1H	5	3.00	6	
12	48	C	23	TS		12.40	00.00	720	1H	5	1.24	6	
13	48	C	29	TS		13.30	00.00	720	1H	5	1.48	6	
14	48	C	25	TS		13.90	00.00	720	1H	5	1.24	6	
15	48	C	20	TS		14.60	00.00	720	1H	5	1.08	6	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	48	C	<20	TS		09.70	00.00	720	1H	5	1.56	6	
19	48	C	26	TS		12.10	00.00	720	1H	5	1.48	6	
20	48	C	32	TS		11.90	00.00	720	1H	5	1.16	6	
22	48	C	26	TS		12.90	00.00	720	6H	5	2.51	32	
28	48	C	31	TS		07.70	00.00	720	1H	5	1.88	6	
29	48	C	22	TS		07.50	00.00	720	1H	5	1.30	6	
37	48	C	25	TS		00.00	00.00	720	1H	5	1.97	6	
38	48	C	28	TS		00.00	00.00	720	1H	5	1.72	6	
1	49	C	28	TS		00.00	00.00	720	1H	5	3.93	6	
2	49	C	35	TS		03.00	00.00	720	6H	5	2.11	6	
2	49	C	33	TS		03.30	00.00	720	6H	5	1.93	6	
6	49	C	20	TS		02.80	00.00	720	6H	5	1.13	6	
8	49	C	26	TS		08.10	00.00	720	1H	5	1.64	6	
12	49	C	20	TS		12.80	00.00	720	1H	5	1.58	6	
13	49	C	33	TS		13.80	00.00	720	1H	5	1.35	6	
14	49	C	30	TS		14.40	00.00	720	6H	5	1.30	6	
15	49	C	<20	TS		15.20	00.00	720	1H	5	1.07	6	
18	49	C	43	TS		09.50	00.00	720	6H	5	4.10	6	
20	49	C	23	TS		14.80	00.00	720	1H	5	2.09	6	
21	49	C	22	TS		13.30	00.00	720	1H	5	1.97	6	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	49	C	20	1		00.00	00.00	720	1H	5	1.93	6	
34	49	C	<20	3		00.00	00.00	720	6H	5	2.44	6	
34	49	C	<20	4		00.00	00.00	720	6H	5	3.94	6	
37	49	C	34	TS		00.00	00.00	720	1H	5	1.59	6	
39	49	C	35	TS		00.00	00.00	720	1H	5	0.91	6	
41	49	C	21	TS		00.00	00.00	720	1H	5	0.93	6	
41	49	C	<20	1		00.00	00.00	720	1H	5	5.80	6	
43	49	C	<20	TS		00.00	00.00	720	1H	5	1.50	6	
2	50	C	39	TS		03.30	00.00	720	1H	5	2.00	6	
4	50	C	47	TS		02.30	00.00	720	1H	5	2.55	10	
7	50	C	<20	TS		06.80	00.00	720	1H	5	1.95	6	
9	50	C	44	TS		07.60	00.00	720	1H	5	1.88	6	
11	50	C	35	TS		11.10	00.00	720	1H	5	4.78	6	
13	50	C	23	TS		12.20	00.00	720	1H	5	1.22	6	
14	50	C	<20	TS		14.80	00.00	720	1H	5	1.04	6	
15	50	C	<20	TS		15.40	00.00	720	1H	5	1.05	6	
17	50	C	32	TS		13.10	00.00	720	1H	5	1.53	6	
19	50	C	32	TS		11.60	00.00	720	1H	5	1.72	6	
20	50	C	21	TS		14.00	00.00	720	1H	5	2.12	6	
21	50	C	23	TS		14.00	00.00	720	1H	5	2.20	6	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	50	C	25	TS		12.70	00.00	720	1H	5	1.95	6	
23	50	C	42	TS		00.00	00.00	720	1H	5	5.47	6	
29	50	C	<20	TS		06.20	00.00	720	1H	5	1.38	6	
30	50	C	<20	3		00.00	00.00	720	6H	5	2.87	6	
32	50	C	24	1		00.00	00.00	720	1H	5	2.01	6	
36	50	C	40	TS		00.00	00.00	720	1H	5	0.98	6	
37	50	C	34	TS		00.00	00.00	720	1H	5	1.48	6	
3	51	C	<20	TS		03.30	00.00	720	1H	5	1.46	6	
4	51	C	39	TS		01.70	00.00	720	1H	5	1.30	6	
6	51	C	75	TS		08.10	00.00	720	1H	5	3.87	32	
6	51	C	<20	1		00.00	00.00	720	2H	5	4.07	6	
7	51	C	30	TS		07.10	00.00	720	1H	5	1.69	6	
8	51	C	38	TS		09.10	00.00	720	1H	5	1.58	6	
12	51	C	35	TS		16.70	00.00	720	1H	5	1.71	6	
13	51	C	22	TS		08.70	00.00	720	1H	5	1.65	6	
15	51	C	<20	TS		15.40	00.00	720	1H	5	1.40	6	
16	51	C	20	TS		13.30	00.00	720	1H	5	1.10	6	
17	51	C	30	TS		12.90	00.00	720	1H	5	2.97	6	
18	51	C	37	TS		13.00	00.00	720	1H	5	4.60	6	
19	51	C	26	TS		13.40	00.00	720	1H	5	1.86	6	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	51	C	23	TS		13.40	00.00	720	1H	5	1.85	6	
21	51	C	<20	TS		15.40	00.00	720	1H	5	1.85	6	
23	51	C	27	TS		11.90	00.00	720	1H	5	3.36	6	
24	51	C	33	TS		12.80	00.00	720	1H	5	2.21	6	
25	51	C	39	TS		10.70	00.00	720	1H	5	1.77	6	
28	51	C	20	TS		08.60	00.00	720	1H	5	1.00	6	
31	51	C	<20	TS		05.80	00.00	720	1H	5	1.18	6	
35	51	C	<20	TS		04.00	00.00	720	1H	5	1.03	6	
37	51	C	38	TS		00.10	00.00	720	1H	5	1.83	6	
38	51	C	36	TS		00.00	00.00	720	1H	5	1.24	6	
1	52	C	72	TS		00.30	00.00	720	1H	5	2.39	32	
1	52	C	<20	TS		02.60	00.00	720	1H	5	3.51	6	
2	52	C	54	TS		00.20	00.00	720	1H	5	1.27	32	
2	52	C	36	TS		01.80	00.00	720	1H	5	4.25	6	
3	52	C	34	TS		02.60	00.00	720	1H	5	2.12	6	
6	52	C	22	TS		04.80	00.00	720	1H	5	1.76	6	
8	52	C	26	TS		08.20	00.00	720	1H	5	1.48	6	
12	52	C	40	TS		16.60	00.00	720	1H	5	3.75	6	
14	52	C	32	TS		11.10	00.00	720	1H	5	1.55	6	
15	52	C	<20	TS		11.40	00.00	720	1H	5	1.71	6	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
16	52	C	28	TS		11.30	00.00	720	1H	5	1.52	6	
20	52	C	33	TS		12.60	00.00	720	1H	5	1.81	6	
21	52	C	<20	TS		13.40	00.00	720	1H	5	2.21	6	
22	52	C	<20	TS		12.80	00.00	720	1H	5	2.15	6	
23	52	C	25	TS		11.80	00.00	720	1H	5	3.82	6	
24	52	C	34	TS		12.00	00.00	720	1H	5	5.07	6	
25	52	C	26	TS		10.10	00.00	720	1H	5	2.20	6	
26	52	C	36	TS		09.90	00.00	720	6H	5	1.48	6	
27	52	C	31	TS		09.40	00.00	720	1H	5	1.80	6	
38	52	C	40	TS		00.00	00.00	720	1H	5	1.42	6	
1	53	C	56	TS		00.60	00.00	720	1H	5	2.44	32	
2	53	C	39	TS		03.20	00.00	720	6H	5	3.24	6	
3	53	C	36	TS		02.20	00.00	720	1H	5	2.73	6	
4	53	C	<20	TS		01.60	00.00	720	1H	5	2.22	6	
5	53	C	26	TS		02.10	00.00	720	1H	5	0.92	6	
8	53	C	31	TS		05.50	00.00	720	1H	5	0.83	6	
12	53	C	32	TS		13.90	00.00	720	1H	5	2.02	6	
13	53	C	33	TS		10.50	00.00	720	1H	5	1.61	6	
14	53	C	<20	TS		12.00	00.00	720	6H	5	1.35	6	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	53	C	<20	TS		14.20	00.00	720	1H	5	1.66	6	
20	53	C	<20	TS		16.70	00.00	720	1H	5	1.90	6	
21	53	C	<20	TS		14.70	00.00	720	1H	5	1.91	6	
22	53	C	<20	TS		13.60	00.00	720	6H	5	2.00	6	
23	53	C	<20	TS		12.60	00.00	720	1H	5	2.39	6	
24	53	C	<20	TS		11.90	00.00	720	1H	5	3.13	6	
34	53	C	27	TS		06.00	00.00	720	6H	5	1.57	6	
35	53	C	<20	TS		03.60	00.00	720	1H	5	1.62	6	
40	53	C	<20	2		00.00	00.00	720	6H	5	2.58	6	
44	53	C	28	1		00.00	00.00	720	6H	5	1.28	6	
1	54	C	50	TS		00.00	00.00	720	1H	5	2.41	32	
2	54	C	29	TS		00.00	00.00	720	1H	5	2.76	6	
3	54	C	31	TS		00.00	00.00	720	1H	5	1.33	6	
4	54	C	36	TS		02.00	00.00	720	1H	5	1.26	6	
5	54	C	33	TS		02.20	00.00	720	1H	5	2.18	6	
6	54	C	83	TS		07.30	00.00	720	1H	5	1.50	32	
8	54	C	28	TS		05.00	00.00	720	1H	5	2.08	6	
12	54	C	83	TS		17.10	00.00	720	1H	5	2.41	32	
13	54	C	29	TS		08.60	00.00	720	1H	5	2.30	6	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	54	C	<20	TS		13.50	00.00	720	1H	5	2.09	6	
25	54	C	<20	TS		06.70	00.00	720	1H	5	1.30	6	
26	54	C	21	TS		10.90	00.00	720	1H	5	1.23	6	
32	54	C	32	I		00.00	00.00	720	1H	5	1.58	6	
36	54	C	<20	TS		01.80	00.00	720	1H	5	1.67	6	
1	55	C	39	TS		00.00	00.00	720	1H	5	2.39	6	
1	55	C	<20	TS		01.00	00.00	720	1H	5	2.49	6	
2	55	C	<20	TS		02.60	00.00	720	1H	5	1.93	6	
3	55	C	<20	TS		01.60	00.00	720	1H	5	4.73	6	
5	55	C	55	TS		06.10	00.00	720	1H	5	1.42	32	
7	55	C	32	TS		08.30	00.00	720	1H	5	3.20	6	
9	55	C	34	TS		15.00	00.00	720	1H	5	2.10	6	
11	55	C	33	TS		08.20	00.00	720	1H	5	2.00	6	
11	55	C	35	TS		12.20	00.00	720	1H	5	4.89	6	
12	55	C	25	TS		12.70	00.00	720	1H	5	3.07	6	
12	55	C	50	TS		16.70	00.00	720	1H	5	1.99	32	
21	55	C	<20	TS		13.40	00.00	720	1H	5	1.84	6	
22	55	C	<20	TS		13.50	00.00	720	1H	5	2.89	6	
37	55	C	36	TS		00.10	00.00	720	1H	5	1.33	6	
2	56	C	<20	TS		00.90	00.00	720	6H	5	3.84	6	
5	56	C	<20	TS		07.00	00.00	720	1H	5	3.13	6	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	56	C	48	TS		08.30	00.00	720	2H	5	2.34	32	
10	56	C	47	TS		10.20	00.00	720	6H	5	3.32	6	
10	56	C	72	TS		14.90	00.00	720	1H	5	3.52	32	
12	56	C	22	TS		16.10	00.00	720	1H	5	2.41	6	
13	56	C	44	TS		08.00	00.00	720	1H	5	2.14	6	
13	56	C	31	TS		11.30	00.00	720	1H	5	5.50	6	
19	56	C	<20	TS		11.30	00.00	720	1H	5	1.82	6	
20	56	C	22	TS		16.20	00.00	720	1H	5	2.04	6	
21	56	C	<20	TS		14.10	00.00	720	1H	5	3.32	6	
22	56	C	<20	TS		13.80	00.00	720	1H	5	2.87	6	
26	56	C	<20	TS		09.30	00.00	720	1H	5	2.07	6	
42	56	C	33	1		00.00	00.00	720	6H	5	2.27	6	
42	56	C	<20	2		00.00	00.00	720	6H	5	2.14	6	
42	56	C	22	3		00.00	00.00	720	6H	5	3.45	6	
42	56	C	23	4		00.00	00.00	720	6H	5	1.83	6	
42	56	C	<20	5		00.00	00.00	720	6H	5	1.76	6	
43	56	C	39	1		00.00	00.00	720	6H	5	8.83	6	
43	56	C	32	2		00.00	00.00	720	6H	5	8.23	6	
43	56	C	31	3		00.00	00.00	720	6H	5	6.37	6	
43	56	C	26	4		00.00	00.00	720	6H	5	5.73	6	
43	56	C	33	5		00.00	00.00	720	6H	5	5.39	6	
4	57	C	<20	TS		00.80	00.00	720	1H	5	2.57	7	
14	57	C	38	TS		07.70	00.00	720	6H	5	2.75	7	
18	57	C	43	TS		12.20	00.00	720	3H	5	1.58	7	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	57	C	41	TS		11.30	00.00	720	1H	5	1.69	7	
21	57	C	22	TS		09.40	00.00	720	1H	5	1.66	7	
22	57	C	42	TS		13.00	00.00	720	6H	5	2.21	7	
26	57	C	34	TS		09.70	00.00	720	6H	5	1.40	7	
36	57	C	<20	TS		00.00	00.00	720	1H	5	4.29	7	
42	57	C	43	1		00.00	00.00	720	6H	5	3.05	7	
42	57	C	47	2		00.00	00.00	720	6H	5	1.79	7	
42	57	C	30	3		00.00	00.00	720	6H	5	3.01	7	
42	57	C	<20	4		00.00	00.00	720	6H	5	2.36	7	
1	58	C	54	TS		00.00	00.00	720	1H	5	1.92	32	
4	58	C	78	TS		02.10	00.00	720	1H	5	1.71	32	
5	58	C	43	TS		02.20	00.00	720	1H	5	2.82	7	
9	58	C	64	TS		16.70	00.00	720	1H	5	2.52	32	
15	58	C	<20	TS		09.50	00.00	720	1H	5	1.38	7	
17	58	C	34	TS		10.90	00.00	720	1H	5	1.60	7	
18	58	C	38	TS		11.60	00.00	720	1H	5	2.39	7	
19	58	C	27	TS		14.30	00.00	720	1H	5	2.69	7	
20	58	C	27	TS		11.60	00.00	720	1H	5	1.88	7	
21	58	C	31	TS		10.90	00.00	720	1H	5	2.14	7	
22	58	C	31	TS		12.20	00.00	720	1H	5	1.88	7	
23	58	C	50	TS		12.60	00.00	720	1H	5	6.80	32	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	-----	--	--	--	-----	-----	-----
24	58	C	<20	TS		10.70	00.00	720	1H	5	2.55	7	
25	58	C	41	TS		09.10	00.00	720	1H	5	2.63	7	
34	58	C	30	TS		00.00	00.00	720	1H	5	2.21	7	
36	58	C	<20	TS		00.00	00.00	720	1H	5	1.79	7	
42	58	C	44	1		00.00	00.00	720	6H	5	2.90	7	
42	58	C	26	2		00.00	00.00	720	6H	5	5.79	7	
42	58	C	30	3		00.00	00.00	720	6H	5	3.51	7	
42	58	C	30	4		00.00	00.00	720	6H	5	2.52	7	
42	58	C	38	5		00.00	00.00	720	6H	5	1.44	7	
44	58	C	38	1		00.00	00.00	720	6H	5	6.44	7	
44	58	C	38	2		00.00	00.00	720	6H	5	5.70	7	
44	58	C	29	3		00.00	00.00	720	6H	5	4.75	7	
44	58	C	29	4		00.00	00.00	720	6H	5	7.55	7	
44	58	C	32	5		00.00	00.00	720	6H	5	4.42	7	
44	58	C	21	6		00.00	00.00	720	6H	5	4.00	7	
1	59	C	41	TS		00.00	00.00	720	1H	5	2.78	7	
7	59	C	31	TS		05.00	00.00	720	1H	5	0.90	7	
14	59	C	22	TS		11.30	00.00	720	1H	5	1.66	7	
15	59	C	22	TS		09.30	00.00	720	1H	5	1.21	7	
17	59	C	<20	TS		12.70	00.00	720	1H	5	2.21	7	
17	59	C	31	TS		15.30	00.00	720	1H	5	2.54	7	
18	59	C	43	TS		10.60	00.00	720	1H	5	2.59	7	
18	59	C	30	TS		15.30	00.00	720	1H	5	3.44	7	
19	59	C	31	TS		12.70	00.00	720	1H	5	1.97	7	
21	59	C	43	TS		10.70	00.00	720	1H	5	3.89	7	

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LISTING OF INDICATIONS FOR CPL 8 COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
22	59	C	38	TS		11.70	00.00	720	1H	5	4.50	7	
23	59	C	47	TS		11.30	00.00	720	1H	5	3.99	7	
33	59	C	34	TS		00.00	00.00	720	1H	5	1.92	7	
35	59	C	<20	TS		01.30	00.00	720	1H	1	2.13	7	
36	59	C	<20	TS		00.70	00.00	720	1H	5	0.69	7	
42	59	C	36	1		00.00	00.00	720	6H	5	1.84	7	
42	59	C	29	2		00.00	00.00	720	6H	5	2.54	7	
42	59	C	22	3		00.00	00.00	720	6H	5	2.03	7	
8	60	C	39	TS		06.00	00.00	720	1H	5	3.61	7	
8	60	C	35	TS		08.00	00.00	720	1H	5	5.47	7	
9	60	C	<20	TS		06.30	00.00	720	1H	5	1.56	7	
11	60	C	49	TS		07.60	00.00	720	1H	5	6.76	32	
12	60	C	43	TS		08.00	00.00	720	1H	5	2.54	7	
13	60	C	<20	TS		13.70	00.00	720	1H	5	1.44	7	
14	60	C	27	TS		14.00	00.00	720	1H	5	1.91	7	
15	60	C	27	TS		14.70	00.00	720	1H	5	1.04	7	
16	60	C	29	TS		14.70	00.00	720	1H	5	2.66	7	
17	60	C	25	TS		12.30	00.00	720	1H	5	3.03	7	
18	60	C	31	TS		11.30	00.00	720	1H	5	2.88	7	
19	60	C	31	TS		10.10	00.00	720	1H	5	1.88	7	
20	60	C	36	TS		09.40	00.00	720	1H	5	2.41	7	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	60	C	25	TS		10.00	00.00	720	1H	5	1.29	7	
22	60	C	27	TS		11.70	00.00	720	1H	5	1.27	7	
23	60	C	43	TS		10.60	00.00	720	1H	5	5.08	7	
34	60	C	21	TS		00.00	00.00	720	1H	5	2.46	7	
35	60	C	<20	TS		00.00	00.00	720	1H	5	7.88	7	
42	60	C	27	2		00.00	00.00	720	6H	5	3.40	7	
42	60	C	<20	5		00.00	00.00	720	6H	5	3.58	7	
1	61	C	61	TS		00.00	00.00	720	1H	5	2.08	32	
7	61	C	<20	TS		07.40	00.00	720	1H	5	2.89	7	
9	61	C	<20	TS		15.20	00.00	720	1H	5	1.40	7	
10	61	C	30	TS		07.80	00.00	720	6H	5	1.38	7	
11	61	C	35	TS		11.90	00.00	720	1H	5	1.13	7	
12	61	C	<20	TS		10.50	00.00	720	1H	5	1.53	7	
13	61	C	23	TS		13.90	00.00	720	1H	5	1.33	7	
14	61	C	34	TS		09.50	00.00	720	6H	5	1.59	7	
14	61	C	26	TS		14.30	00.00	720	6H	5	2.36	7	
15	61	C	29	TS		14.60	00.00	720	1H	5	2.98	7	
16	61	C	36	TS		14.80	00.00	720	1H	5	2.68	7	
17	61	C	35	TS		11.20	00.00	720	1H	5	1.63	7	
18	61	C	29	TS		10.90	00.00	720	6H	5	2.32	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	61	C	36	TS		10.90	00.00	720	1H	5	4.92	7	
20	61	C	29	TS		13.60	00.00	720	1H	5	2.20	7	
23	61	C	38	TS		10.40	00.00	720	1H	5	4.01	7	
24	61	C	<20	TS		08.90	00.00	720	1H	5	1.37	7	
33	61	C	<20	TS		00.00	00.00	720	1H	5	1.49	7	
34	61	C	<20	TS		01.70	00.00	720	3H	5	1.11	7	
42	61	C	26	2		00.00	00.00	720	6H	5	5.64	7	
42	61	C	<20	3		00.00	00.00	720	6H	5	3.54	7	
42	61	C	23	4		00.00	00.00	720	6H	5	2.88	7	
42	61	C	<20	5		00.00	00.00	720	6H	5	2.24	7	
43	61	C	27	2		00.00	00.00	720	6H	5	2.83	7	
1	62	C	52	TS		00.00	00.00	720	1H	5	2.81	32	
1	62	C	21	1		00.00	00.00	720	1H	5	4.68	7	
3	62	C	45	TS		01.10	00.00	720	1H	5	3.33	7	
4	62	C	23	TS		02.30	00.00	720	1H	5	3.34	7	
5	62	C	29	TS		09.90	00.00	720	1H	5	2.10	7	
7	62	C	38	TS		06.80	00.00	720	1H	5	1.64	7	
7	62	C	42	TS		09.90	00.00	720	1H	5	1.90	7	
9	62	C	39	TS		09.20	00.00	720	1H	5	2.20	7	
9	62	C	59	TS		12.80	00.00	720	1H	5	1.48	32	
10	62	C	57	TS		08.50	00.00	720	1H	5	2.15	32	
10	62	C	43	TS		10.00	00.00	720	1H	5	1.49	7	
11	62	C	26	TS		12.90	00.00	720	1H	5	2.17	7	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	62	C	37	TS		13.90	00.00	720	1H	5	2.28	7	
13	62	C	36	TS		13.90	00.00	720	1H	5	4.33	7	
14	62	C	36	TS		14.50	00.00	720	1H	5	4.23	7	
15	62	C	22	TS		14.60	00.00	720	1H	5	4.07	7	
16	62	C	420	TS		14.30	00.00	720	1H	5	3.07	7	
17	62	C	35	TS		10.90	00.00	720	1H	5	1.65	7	
17	62	C	27	TS		13.90	00.00	720	1H	5	1.61	7	
18	62	C	42	TS		10.20	00.00	720	1H	5	4.78	7	
18	62	C	29	TS		12.90	00.00	720	1H	5	3.44	7	
19	62	C	32	TS		10.50	00.00	720	1H	5	1.37	7	
20	62	C	43	TS		09.80	00.00	720	1H	5	1.41	7	
20	62	C	38	TS		11.90	00.00	720	1H	5	1.92	7	
21	62	C	25	TS		09.50	00.00	720	1H	5	2.74	7	
23	62	C	37	TS		07.80	00.00	720	1H	5	3.35	7	
23	62	C	35	TS		10.20	00.00	720	1H	5	1.98	7	
24	62	C	31	TS		07.80	00.00	720	1H	5	1.08	7	
25	62	C	26	TS		07.10	00.00	720	1H	5	1.11	7	
33	62	C	23	TS		00.00	00.00	720	1H	5	2.58	7	
1	63	C	50	TS		00.00	00.00	720	1H	5	1.91	32	
2	63	C	34	TS		01.30	00.00	720	1H	5	1.62	7	
3	63	C	43	TS		02.90	00.00	720	1H	5	3.52	7	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	63	C	56	TS		02.10	00.00	720	1H	5	4.98	32	
10	63	C	36	TS		09.50	00.00	720	1H	5	2.41	7	
11	63	C	38	TS		10.50	00.00	720	1H	5	1.63	7	
11	63	C	30	TS		11.70	00.00	720	1H	5	1.70	7	
12	63	C	35	TS		13.70	00.00	720	1H	5	2.13	7	
15	63	C	<20	TS		12.90	00.00	720	1H	5	2.03	7	
16	63	C	21	TS		12.60	00.00	720	1H	5	3.23	7	
17	63	C	41	TS		11.70	00.00	720	1H	5	2.54	7	
17	63	C	27	TS		13.00	00.00	720	1H	5	3.41	7	
18	63	C	27	TS		09.80	00.00	720	1H	5	2.16	7	
18	63	C	29	TS		12.20	00.00	720	1H	5	3.14	7	
19	63	C	25	TS		11.60	00.00	720	1H	5	1.16	7	
20	63	C	27	TS		11.90	00.00	720	1H	5	2.18	7	
21	63	C	26	TS		09.80	00.00	720	1H	5	1.63	7	
32	63	C	<20	TS		00.00	00.00	720	1H	5	2.57	7	
33	63	C	<20	TS		00.00	00.00	720	1H	5	7.86	7	
34	63	C	41	TS		00.00	00.00	720	1H	5	1.04	7	
34	63	C	<20	TS		01.00	00.00	720	1H	5	1.13	7	
2	64	C	33	TS		01.10	00.00	720	6H	5	2.11	32	
5	64	C	75	TS		08.40	00.00	720	1H	5	2.32	32	
7	64	C	84	TS		08.50	00.00	720	1H	1	2.25	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
7	64	C	22	TS		10.10	00.00	720	1H	5	1.73	7	
10	64	C	43	TS		09.10	00.00	720	1H	5	1.96	7	
11	64	C	53	TS		10.70	00.00	720	2H	5	2.24	32	
12	64	C	25	TS		07.00	00.00	720	1H	5	2.45	7	
12	64	C	39	TS		09.50	00.00	720	1H	5	1.43	7	
12	64	C	36	TS		13.90	00.00	720	1H	5	2.31	7	
13	64	C	35	TS		10.30	00.00	720	1H	5	1.77	7	
13	64	C	22	TS		12.30	00.00	720	1H	5	2.75	7	
13	64	C	21	TS		13.90	00.00	720	1H	5	2.89	7	
14	64	C	34	TS		14.30	00.00	720	1H	5	3.33	7	
15	64	C	25	TS		12.60	00.00	720	1H	5	2.09	7	
16	64	C	26	TS		12.60	00.00	720	1H	5	2.82	7	
17	64	C	34	TS		10.20	00.00	720	1H	5	2.01	7	
17	64	C	32	TS		12.60	00.00	720	1H	5	2.19	7	
18	64	C	41	TS		12.10	00.00	720	1H	5	6.68	7	
19	64	C	44	TS		11.20	00.00	720	1H	5	1.47	7	
20	64	C	32	TS		11.20	00.00	720	1H	5	1.44	7	
21	64	C	46	TS		09.50	00.00	720	1H	5	2.59	7	
22	64	C	38	TS		07.50	00.00	720	1H	5	2.47	7	
22	64	C	34	TS		09.20	00.00	720	1H	5	3.78	7	
23	64	C	36	TS		06.40	00.00	720	1H	5	2.52	7	
32	64	C	22	TS		00.00	00.00	720	1H	5	2.43	7	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	64	C	47	TS		00.00	00.00	720	1H	5	0.97	7	
1	65	C	64	TS		00.00	00.00	720	1H	5	2.01	32	
3	65	C	43	TS		01.60	00.00	720	1H	5	4.84	7	
7	65	C	30	TS		07.50	00.00	720	1H	5	0.63	7	
7	65	C	77	TS		12.50	00.00	720	1H	5	1.87	32	
10	65	C	38	TS		09.70	00.00	720	6H	5	2.79	7	
11	65	C	41	TS		13.30	00.00	720	1H	5	4.16	7	
12	65	C	37	TS		07.00	00.00	720	1H	5	1.20	7	
12	65	C	23	TS		08.40	00.00	720	1H	5	1.54	7	
12	65	C	36	TS		13.40	00.00	720	1H	5	1.89	7	
13	65	C	37	TS		10.10	00.00	720	1H	5	2.07	7	
13	65	C	27	TS		14.80	00.00	720	1H	5	1.95	7	
14	65	C	44	TS		09.40	00.00	720	6H	5	1.93	7	
15	65	C	26	TS		09.00	00.00	720	1H	5	1.88	7	
15	65	C	31	TS		11.10	00.00	720	1H	5	1.42	7	
16	65	C	<20	TS		11.70	00.00	720	1H	5	2.54	7	
17	65	C	27	TS		11.10	00.00	720	1H	5	1.16	7	
18	65	C	41	TS		09.40	00.00	720	6H	5	2.38	7	
18	65	C	34	TS		11.40	00.00	720	6H	5	2.20	7	
20	65	C	29	TS		08.00	00.00	720	1H	5	1.46	7	
22	65	C	21	TS		07.00	00.00	720	6H	5	1.69	7	
22	65	C	27	TS		11.40	00.00	720	6H	5	1.16	7	
23	65	C	25	TS		07.00	00.00	720	1H	5	1.43	7	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
27	65	C	43	TS		01.60	00.00	720	1H	5	1.08	7	
30	65	C	47	TS		00.00	00.00	720	6H	5	2.97	7	
31	65	C	47	TS		00.00	00.00	720	1H	5	1.96	7	
33	65	C	31	TS		00.00	00.00	720	1H	5	1.73	7	
7	66	C	59	TS		06.10	12.80	720	1H	5	1.88	32	
11	66	C	58	TS		10.30	00.00	720	2H	5	5.21	36	
12	66	C	64	TS		07.60	14.60	720	1H	1	1.15	32	
13	66	C	41	TS		08.30	13.00	720	1H	1	2.27	8	
14	66	C	36	TS		11.00	00.00	720	1H	1	3.49	8	
15	66	C	24	TS		11.70	00.00	720	1H	1	2.12	8	
16	66	C	22	TS		10.40	00.00	720	1H	1	1.87	8	
17	66	C	32	TS		09.30	00.00	720	1H	1	2.16	8	
18	66	C	41	TS		08.70	11.00	720	1H	1	4.95	8	
19	66	C	<20	TS		09.00	00.00	720	1H	1	4.19	8	
20	66	C	31	TS		08.70	11.50	720	1H	1	5.41	8	
21	66	C	34	TS		07.30	00.00	720	1H	1	4.17	8	
30	66	C	43	TS		00.00	00.00	720	1H	5	3.58	7	
31	66	C	<20	TS		00.00	00.00	720	1H	5	1.76	7	
1	67	C	<20	TS		02.20	00.00	720	1H	1	2.81	8	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
7	67	C	64	TS		06.30	14.20	720	1H	1	0.98	32	
9	67	C	32	TS		11.70	00.00	720	1H	1	3.35	8	
14	67	C	50	TS		09.30	00.00	720	1H	1	2.50	32	
14	67	C	49	TS		10.60	00.00	720	1H	1	2.56	32	
14	67	C	35	TS		11.40	00.00	720	1H	1	3.20	8	
15	67	C	26	TS		08.60	00.00	720	1H	1	1.98	8	
15	67	C	22	TS		09.40	00.00	720	1H	1	2.42	8	
16	67	C	33	TS		09.50	00.00	720	1H	1	1.51	8	
19	67	C	26	TS		07.80	00.00	720	1H	1	3.57	8	
20	67	C	25	TS		07.30	00.00	720	1H	1	3.33	8	
20	67	C	36	TS		08.00	00.00	720	1H	1	2.74	8	
21	67	C	37	1		04.50	00.00	720	1H	1	1.42	8	
21	67	C	22	1		05.00	00.00	720	1H	1	1.47	8	
21	67	C	<20	1		07.50	00.00	720	1H	1	3.74	8	
21	67	C	34	1		12.40	00.00	720	1H	1	1.86	8	
22	67	C	35	1		03.00	00.00	720	1H	1	2.18	8	
24	67	C	38	TS		01.90	00.00	720	1H	1	1.15	8	
24	67	C	24	TS		04.50	00.00	720	1H	1	1.42	8	
25	67	C	21	TS		01.50	00.00	720	1H	1	4.32	8	
1	68	C	28	TS		00.50	00.00	720	1H	1	1.94	8	
7	68	C	40	TS		08.60	00.00	720	1H	1	3.95	8	
7	68	C	28	TS		10.10	00.00	720	1H	1	2.20	8	
7	68	C	44	TS		11.00	00.00	720	1H	1	4.00	8	
7	68	C	38	TS		12.00	00.00	720	1H	1	1.24	8	
9	68	C	37	TS		07.70	00.00	720	1H	1	1.57	8	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	---	---	---	---	---	---	---	---	---	---	---
9	68	C	38	TS		08.10	00.00	720	1H	1	1.55	8	
9	68	C	44	TS		08.60	00.00	720	1H	1	1.74	8	
9	68	C	53	TS		09.30	00.00	720	1H	1	0.98	36	
9	68	C	38	TS		09.90	00.00	720	1H	1	1.84	8	
9	68	C	42	TS		10.30	00.00	720	1H	1	1.64	8	
9	68	C	38	TS		11.10	00.00	720	1H	1	4.08	8	
10	68	C	28	TS		08.80	00.00	720	1H	1	5.74	8	
10	68	C	38	TS		09.40	00.00	720	1H	1	1.70	8	
10	68	C	<20	TS		10.50	00.00	720	1H	1	2.70	8	
13	68	C	41	TS		10.10	00.00	720	1H	1	5.41	8	
13	68	C	36	TS		11.10	00.00	720	1H	1	1.94	8	
15	68	C	28	TS		08.50	00.00	720	1H	1	6.38	8	
15	68	C	35	TS		10.20	00.00	720	1H	1	4.70	8	
15	68	C	38	TS		10.90	00.00	720	1H	1	1.90	8	
19	68	C	<20	TS		04.90	00.00	720	1H	1	1.26	8	
19	68	C	31	TS		05.40	00.00	720	1H	1	0.81	8	
19	68	C	27	TS		06.30	00.00	720	1H	1	1.74	8	
25	68	C	26	TS		00.50	00.00	720	1H	1	5.58	8	
25	68	C	<20	TS		02.40	00.00	720	1H	1	1.99	8	
4	69	C	31	TS		02.60	00.00	720	1H	1	2.19	8	
7	69	C	56	TS		07.70	00.00	720	1H	1	1.51	32	
7	69	C	26	TS		09.90	00.00	720	1H	1	3.26	8	
7	69	C	45	TS		10.90	00.00	720	1H	1	1.24	8	
8	69	C	42	TS		07.80	00.00	720	1H	1	2.60	8	
8	69	C	27	TS		08.70	00.00	720	1H	1	1.62	8	
8	69	C	45	TS		10.70	00.00	720	1H	1	2.80	8	
8	69	C	38	TS		11.80	00.00	720	1H	1	1.19	8	
9	69	C	27	TS		09.30	00.00	720	1H	1	2.81	8	

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LISTING OF INDICATIONS FOR SPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	---	---	---	---	---	---	---	---	---	---	---
9	69	C	<20	TS		09.90	00.00	720	1H	1	3.81	8	
9	69	C	29	TS		10.90	00.00	720	1H	1	3.41	8	
9	69	C	62	TS		11.70	00.00	720	1H	1	1.49	32	
11	69	C	32	TS		08.20	00.00	720	6H	1	1.88	8	
11	69	C	45	TS		09.30	00.00	720	6H	1	2.07	8	
11	69	C	41	TS		10.70	00.00	720	6H	1	2.36	8	
12	69	C	42	TS		10.90	00.00	720	1H	1	1.23	8	
13	69	C	<20	TS		08.00	00.00	720	1H	1	2.23	8	
13	69	C	36	TS		10.10	00.00	720	1H	1	2.55	8	
18	69	C	<20	TS		04.40	00.00	720	6H	1	1.55	8	
18	69	C	37	TS		06.40	00.00	720	6H	1	2.41	8	
18	69	C	<20	TS		07.40	00.00	720	6H	1	4.79	8	
20	69	C	27	TS		03.80	00.00	720	1H	1	3.55	8	
20	69	C	34	TS		04.60	00.00	720	1H	1	1.93	8	
20	69	C	33	TS		05.50	00.00	720	1H	1	3.26	8	
21	69	C	22	TS		03.10	00.00	720	1H	1	3.52	8	
21	69	C	23	TS		04.60	00.00	720	1H	1	3.14	8	
22	69	C	22	TS		01.80	00.00	720	6H	1	3.61	8	
22	69	C	32	TS		03.00	00.00	720	6H	1	1.85	8	
23	69	C	<20	TS		00.30	05.20	720	1H	1	4.12	8	
24	69	C	<20	TS		02.50	03.10	720	1H	1	2.87	8	
3	70	C	29	TS		02.20	00.00	720	1H	5	3.00	8	
4	70	C	42	TS		02.30	00.00	720	1H	5	3.26	8	
5	70	C	<20	TS		05.60	00.00	720	1H	5	2.23	8	
8	70	C	32	TS		08.50	00.00	720	1H	5	2.38	8	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	70	C	62	TS		08.40	00.00	720	1H	5	2.47	32	
10	70	C	27	TS		08.50	00.00	720	1H	5	2.43	8	
11	70	C	<20	TS		06.50	00.00	720	1H	5	2.70	8	
11	70	C	44	TS		08.50	00.00	720	1H	5	1.87	8	
12	70	C	29	TS		06.50	00.00	720	1H	5	1.55	8	
13	70	C	<20	TS		07.80	00.00	720	1H	5	3.05	8	
17	70	C	28	TS		04.70	00.00	720	1H	1	1.76	8	
17	70	C	27	TS		06.50	00.00	720	1H	1	2.61	8	
17	70	C	34	TS		07.50	00.00	720	1H	1	1.86	8	
17	70	C	42	TS		08.30	00.00	720	1H	1	0.98	8	
18	70	C	37	TS		04.40	00.00	720	1H	1	2.06	8	
19	70	C	28	TS		02.60	00.00	720	1H	1	2.55	8	
19	70	C	60	TS		03.00	00.00	720	1H	1	1.14	32	
19	70	C	42	TS		03.60	00.00	720	1H	1	1.29	8	
19	70	C	38	TS		04.20	00.00	720	1H	1	2.92	8	
20	70	C	38	TS		03.00	00.00	720	1H	1	2.83	8	
20	70	C	38	TS		04.30	00.00	720	1H	1	3.63	8	
20	70	C	<20	TS		05.30	00.00	720	1H	1	1.92	8	
20	70	C	35	TS		10.00	00.00	720	1H	1	1.60	8	
21	70	C	31	TS		01.30	00.00	720	1H	1	4.30	8	
21	70	C	21	TS		03.10	00.00	720	1H	1	2.88	8	
21	70	C	26	TS		09.50	00.00	720	1H	1	1.55	8	
22	70	C	28	TS		02.00	00.00	720	1H	1	3.08	8	
22	70	C	41	TS		03.20	00.00	720	1H	1	4.63	8	
23	70	C	33	TS		02.20	00.00	720	1H	1	4.42	8	
27	70	C	<20	TS		01.30	00.00	720	1H	1	3.10	8	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	71	C	36	TS		00.00	00.00	720	1H	5	4.66	8	
2	71	C	<20	TS		01.20	00.00	720	1H	5	1.01	8	
6	71	C	53	TS		02.60	00.00	720	1H	5	1.77	32	
7	71	C	66	TS		02.70	00.00	720	1H	5	1.62	32	
8	71	C	<20	TS		05.20	00.00	720	1H	5	2.10	8	
8	71	C	<20	TS		10.10	00.00	720	1H	5	2.04	8	
9	71	C	54	TS		07.50	00.00	720	1H	5	5.25	32	
10	71	C	40	TS		05.90	00.00	720	1H	5	1.55	8	
11	71	C	32	TS		06.70	00.00	720	1H	5	2.67	8	
12	71	C	<20	TS		08.20	00.00	720	1H	5	2.35	8	
13	71	C	27	TS		06.50	00.00	720	1H	5	3.96	8	
16	71	C	41	TS		05.90	00.00	720	1H	5	1.46	8	
17	71	C	42	TS		04.20	00.00	720	1H	5	3.53	8	
17	71	C	41	TS		05.20	00.00	720	1H	5	5.31	8	
18	71	C	21	TS		04.20	00.00	720	1H	5	2.80	8	
20	71	C	29	TS		02.60	00.00	720	1H	5	3.20	8	
21	71	C	41	TS		00.00	00.00	720	1H	5	2.69	8	
22	71	C	<20	TS		00.00	00.00	720	1H	5	5.83	8	
23	71	C	29	TS		00.80	00.00	720	1H	5	1.97	8	
25	71	C	<20	TS		07.10	00.00	720	1H	5	1.24	8	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
27	71	C	50	TS		00.30	00.00	720	1H	5	5.93	32	
27	71	C	32	TS		03.40	00.00	720	1H	5	1.08	8	
28	71	C	53	TS		00.00	00.00	720	1H	5	2.50	32	
29	71	C	29	TS		00.00	00.00	720	1H	5	2.89	8	
1	72	C	62	TS		00.00	00.00	720	1H	5	3.19	32	
1	72	C	30	TS		02.10	00.00	720	1H	5	2.67	8	
4	72	C	27	1		02.00	00.00	720	1H	5	1.33	8	
6	72	C	35	TS		04.20	00.00	720	6H	5	3.16	8	
8	72	C	<20	TS		04.70	00.00	720	1H	5	1.66	8	
11	72	C	<20	TS		06.10	00.00	720	1H	5	2.34	8	
13	72	C	27	TS		04.50	00.00	720	1H	5	2.22	8	
17	72	C	32	TS		03.60	00.00	720	1H	5	3.21	8	
18	72	C	<20	TS		00.00	00.00	720	1H	5	10.86	8	
18	72	C	29	TS		03.90	00.00	720	1H	5	2.37	8	
19	72	C	22	TS		03.90	00.00	720	1H	5	4.06	8	
27	72	C	59	TS		00.60	00.00	720	1H	5	2.93	32	
28	72	C	48	TS		00.00	00.00	720	1H	5	2.00	32	
29	72	C	35	TS		00.00	00.00	720	1H	5	3.22	8	
1	73	C	60	TS		00.00	00.00	720	1H	5	2.89	32	
2	73	C	67	TS		00.00	00.00	720	1H	5	3.82	32	

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ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	73	C	39	TS		01.60	00.00	720	1H	5	1.68	8	
5	73	C	32	TS		02.60	00.00	720	1H	5	2.10	8	
7	73	C	40	TS		04.20	00.00	720	1H	5	2.39	8	
8	73	C	<20	TS		03.90	00.00	720	1H	5	2.19	8	
10	73	C	29	TS		03.20	00.00	720	6H	5	1.88	8	
11	73	C	32	TS		02.90	00.00	720	1H	5	2.20	8	
11	73	C	32	TS		03.20	00.00	720	1H	5	2.20	8	
12	73	C	22	TS		02.60	00.00	720	1H	5	2.92	8	
13	73	C	30	TS		02.70	00.00	720	1H	5	4.15	8	
15	73	C	33	TS		03.20	00.00	720	1H	5	1.44	8	
15	73	C	<20	TS		03.60	00.00	720	1H	5	1.51	8	
17	73	C	40	TS		03.20	00.00	720	1H	5	3.50	8	
18	73	C	48	TS		03.20	00.00	720	1H	5	1.51	36	
19	73	C	41	TS		03.90	00.00	720	1H	5	1.32	8	
20	73	C	<20	TS		03.50	00.00	720	1H	5	2.73	8	
21	73	C	<20	TS		02.20	00.00	720	1H	5	1.65	8	
21	73	C	<20	TS		04.50	00.00	720	1H	5	1.08	8	
22	73	C	27	TS		01.60	00.00	720	6H	5	1.37	8	
23	73	C	<20	TS		01.30	00.00	720	1H	5	1.23	8	
23	73	C	<20	TS		02.90	00.00	720	1H	5	1.21	8	
24	73	C	39	TS		00.40	00.00	720	1H	5	4.35	8	

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ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	73	C	<20	TS		02.70	00.00	720	1H	5	1.38	8	
25	73	C	44	TS		00.30	00.00	720	1H	5	3.19	8	
29	73	C	<20	TS		03.30	00.00	720	3H	5	0.96	8	
30	73	C	42	TS		00.60	00.00	720	6H	5	0.73	8	
1	74	C	47	TS		00.00	00.00	720	1H	5	2.09	8	
2	74	C	44	TS		00.00	00.00	720	1H	5	3.68	8	
4	74	C	<20	TS		01.90	00.00	720	1H	5	4.64	8	
5	74	C	67	TS		01.60	00.00	720	1H	5	5.31	32	
6	74	C	66	TS		02.60	00.00	720	1H	5	5.65	32	
8	74	C	24	TS		02.90	00.00	720	1H	5	4.58	8	
11	74	C	36	TS		02.90	00.00	720	1H	5	5.99	8	
17	74	C	<20	TS		03.60	00.00	720	1H	5	3.37	8	
18	74	C	36	TS		04.50	00.00	720	1H	5	1.51	8	
19	74	C	<20	TS		03.20	00.00	720	1H	5	2.82	8	
20	74	C	<20	TS		02.60	00.00	720	1H	5	2.39	8	
22	74	C	<20	TS		01.60	00.00	720	1H	5	2.02	8	
23	74	C	50	TS		00.00	00.00	720	1H	5	5.69	32	
24	74	C	52	TS		00.00	00.00	720	1H	5	2.70	32	
24	74	C	<20	TS		01.60	00.00	720	1H	5	1.80	8	
25	74	C	<20	TS		01.30	00.00	720	1H	5	1.41	8	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
27	74	C	<20	TS		00.00	00.00	720	6H	5	2.63	8	
28	74	C	36	TS		00.40	00.00	720	6H	5	1.68	8	
29	74	C	21	TS		00.50	00.00	720	6H	5	1.28	8	
1	75	C	44	TS		00.00	00.00	720	1H	5	3.03	8	
2	75	C	54	TS		00.00	00.00	720	1H	5	3.85	32	
3	75	C	23	TS		00.60	00.00	720	6H	5	2.46	32	
4	75	C	<20	TS		06.70	00.00	720	1H	5	0.83	8	
5	75	C	55	TS		01.30	00.00	720	1H	5	6.28	32	
5	75	C	<20	TS		04.10	00.00	720	1H	5	1.60	8	
13	75	C	<20	TS		01.60	00.00	720	1H	5	3.83	8	
14	75	C	<20	TS		01.90	00.00	720	1H	5	2.17	8	
15	75	C	<20	TS		02.20	00.00	720	1H	5	1.76	8	
15	75	C	44	TS		05.50	00.00	720	1H	5	1.70	8	
17	75	C	<20	TS		02.60	00.00	720	1H	5	1.48	8	
19	75	C	<20	TS		02.90	00.00	720	1H	5	1.43	8	
20	75	C	<20	TS		01.90	00.00	720	1H	5	2.09	8	
21	75	C	56	TS		00.00	00.00	720	1H	5	10.22	32	
21	75	C	35	TS		-00.20	-22.00	720	1H	5	1.96	8	
22	75	C	54	TS		00.00	00.00	720	1H	5	12.58	32	
22	75	C	<20	TS		01.50	00.00	720	1H	5	2.62	8	
23	75	C	36	TS		00.30	00.00	720	1H	5	7.73	8	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
1	76	C	39	TS		00.00	00.00	720	1H	5	2.35	8	
2	76	C	46	TS		00.00	00.00	720	1H	5	3.15	8	
3	76	C	35	TS		00.00	00.00	720	1H	5	7.77	8	
5	76	C	22	TS		01.30	00.00	720	1H	5	8.81	8	
6	76	C	37	TS		01.30	00.00	720	1H	5	6.93	8	
7	76	C	<20	TS		01.30	00.00	720	1H	5	5.73	8	
8	76	C	27	TS		01.40	00.00	720	1H	5	5.63	8	
9	76	C	<20	TS		00.00	00.00	720	1H	5	6.46	8	
12	76	C	39	TS		00.00	00.00	720	1H	5	5.65	8	
13	76	C	27	TS		00.00	00.00	720	1H	5	6.25	8	
15	76	C	62	TS		00.00	00.00	720	1H	5	9.15	32	
16	76	C	41	TS		00.00	00.00	720	1H	5	5.98	8	
17	76	C	42	TS		00.00	00.00	720	1H	5	6.92	8	
18	76	C	35	TS		00.00	00.00	720	1H	5	5.76	8	
20	76	C	47	TS		00.00	00.00	720	1H	5	7.60	8	
21	76	C	41	TS		00.00	00.00	720	1H	5	8.98	8	
22	76	C	39	TS		00.00	00.00	720	1H	5	6.28	8	
23	76	C	30	TS		00.00	00.00	720	1H	5	5.36	8	
24	76	C	45	TS		00.00	00.00	720	1H	5	1.20	8	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	76	C	35	1		00.00	00.00	720	6H	5	3.11	8	
32	76	C	<20	2		00.00	00.00	720	6H	5	2.72	8	
33	76	C	30	1		00.00	00.00	720	6H	5	6.28	8	
33	76	C	<20	2		00.00	00.00	720	6H	5	2.98	8	
33	76	C	<20	3		00.00	00.00	720	6H	5	2.85	8	
34	76	C	27	1		00.00	00.00	720	6H	5	3.21	8	
34	76	C	<20	2		00.00	00.00	720	6H	5	3.15	8	
34	76	C	<20	3		00.00	00.00	720	6H	5	5.22	8	
5	77	C	37	TS		00.50	00.00	720	1H	5	2.14	9	
5	77	C	42	TS		04.20	00.00	720	1H	5	1.47	9	
6	77	C	32	TS		04.30	00.00	720	6H	1	2.19	9	
8	77	C	31	TS		04.00	00.00	720	1H	1	2.08	9	
17	77	C	<20	TS		00.00	00.00	720	1H	5	1.98	9	
18	77	C	20	TS		00.80	00.00	720	6H	5	1.72	9	
31	77	C	24	1		00.00	00.00	720	6H	5	2.82	9	
33	77	C	36	1		00.00	00.00	720	6H	5	5.33	9	
33	77	C	35	2		00.00	00.00	720	6H	5	9.64	9	
33	77	C	34	3		00.00	00.00	720	6H	5	6.54	9	
33	77	C	29	4		00.00	00.00	720	6H	5	4.49	9	
34	77	C	43	1		00.00	00.00	720	6H	5	7.98	9	
34	77	C	31	2		00.00	00.00	720	6H	5	4.39	9	
34	77	C	<20	3		00.00	00.00	720	6H	5	3.57	9	
1	78	C	46	TS		00.00	00.00	720	1H	5	3.05	9	
2	78	C	35	TS		02.00	00.00	720	1H	5	1.55	9	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	78	C	57	TS		00.00	00.00	720	1H	5	3.58	32	
4	78	C	50	TS		00.00	00.00	720	1H	5	5.21	32	
4	78	C	52	TS		02.30	00.00	720	1H	5	2.65	32	
5	78	C	47	TS		00.00	00.00	720	1H	5	5.71	9	
5	78	C	39	TS		02.90	00.00	720	1H	5	3.78	9	
6	78	C	47	TS		00.00	00.00	720	1H	5	3.64	9	
6	78	C	41	TS		03.60	00.00	720	1H	5	4.11	9	
7	78	C	54	TS		00.00	00.00	720	1H	5	4.30	32	
7	78	C	29	TS		03.00	00.00	720	1H	5	3.00	9	
8	78	C	49	TS		00.00	00.00	720	1H	5	4.82	32	
8	78	C	49	TS		03.80	00.00	720	1H	5	2.61	32	
11	78	C	26	TS		00.00	00.00	720	1H	5	3.62	9	
13	78	C	<20	TS		01.80	00.00	720	1H	5	1.65	9	
32	78	C	28	1		00.00	00.00	720	6H	1	11.91	9	
32	78	C	31	2		00.00	00.00	720	6H	5	6.56	9	
32	78	C	39	3		00.00	00.00	720	6H	5	4.07	9	
1	79	C	41	TS		00.00	00.00	720	1H	5	3.09	9	
2	79	C	<20	TS		01.60	00.00	720	1H	5	1.50	9	
3	79	C	45	TS		02.50	00.00	720	1H	5	3.67	9	
4	79	C	30	TS		00.00	00.00	720	1H	5	1.96	9	
4	79	C	20	TS		02.70	00.00	720	1H	5	1.41	9	
5	79	C	27	TS		00.00	00.00	720	1H	5	2.83	9	
5	79	C	35	TS		02.10	00.00	720	1H	5	2.59	9	
6	79	C	36	TS		02.00	00.00	720	1H	5	2.11	9	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
7	79	C	29	TS		00.00	00.00	720	1H	5	1.34	9	
7	79	C	21	TS		01.30	00.00	720	1H	5	2.54	9	
8	79	C	<20	TS		01.60	00.00	720	1H	5	1.93	9	
9	79	C	41	TS		00.00	00.00	720	1H	5	2.54	9	
10	79	C	45	TS		00.00	00.00	720	1H	5	1.17	9	
11	79	C	65	TS		00.00	00.00	720	1H	5	2.74	32	
12	79	C	38	TS		01.10	00.00	720	1H	5	1.48	9	
13	79	C	<20	TS		00.80	00.00	720	1H	5	1.21	9	
14	79	C	47	TS		00.00	00.00	720	1H	5	1.89	9	
15	79	C	47	TS		00.00	00.00	720	1H	5	1.73	9	
29	79	C	29	1		00.00	00.00	720	6H	5	1.37	9	
29	79	C	38	2		00.00	00.00	720	6H	5	4.66	9	
1	80	C	42	TS		00.00	00.00	720	1H	5	1.97	9	
3	80	C	40	TS		01.00	00.00	720	1H	5	1.23	9	
6	80	C	26	TS		00.90	00.00	720	1H	5	1.70	9	
7	80	C	42	TS		00.90	00.00	720	1H	5	3.79	9	
8	80	C	47	TS		01.00	00.00	720	1H	5	2.91	9	
9	80	C	55	TS		00.00	00.00	720	1H	5	2.80	32	
29	80	C	38	1		00.00	00.00	720	6H	5	3.14	9	
29	80	C	38	2		00.00	00.00	720	6H	5	7.07	9	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	80	C	<20	3		00.00	00.00	720	6H	5	4.51	9	
30	80	C	42	1		00.00	00.00	720	6H	5	4.70	9	
30	80	C	35	2		00.00	00.00	720	6H	5	5.29	9	
3	81	C	52	TS		00.00	00.00	720	1H	5	2.64	32	
4	81	C	38	TS		00.00	00.00	720	1H	5	2.18	9	
5	81	C	42	TS		00.00	00.00	720	1H	5	2.58	9	
6	81	C	66	TS		00.00	00.00	720	6H	5	2.32	32	
7	81	C	46	TS		00.00	00.00	720	1H	5	4.49	9	
8	81	C	42	TS		00.00	00.00	720	1H	5	3.33	9	
9	81	C	47	TS		00.00	00.00	720	1H	5	1.56	9	
29	81	C	46	1		00.00	00.00	720	6H	5	7.16	9	
29	81	C	33	2		00.00	00.00	720	6H	5	5.13	9	
29	81	C	<20	3		00.00	00.00	720	6H	5	3.86	9	
30	81	C	42	1		00.00	00.00	720	6H	5	8.72	9	
30	81	C	26	2		00.00	00.00	720	6H	5	5.42	9	
1	82	C	47	TS		00.00	00.00	720	1H	5	2.60	9	
2	82	C	35	TS		00.00	00.00	720	1H	5	1.62	9	
6	82	C	47	TS		00.00	00.00	720	1H	5	1.31	9	
7	82	C	43	TS		00.00	00.00	720	1H	5	3.15	9	
8	82	C	46	TS		00.00	00.00	720	1H	5	2.87	9	
1	86	C	23	2		00.00	00.00	720	6H	5	2.97	9	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
----	----	---	-----	----	----	-----	-----	--	--	--	-----	-----	-----
3	87	C	26	2		00.00	00.00	720	6H	5	4.60	32	
11	88	C	22	2		00.00	00.00	720	6H	5	6.48	10	
12	88	C	27	2		00.00	00.00	720	6H	5	6.23	10	
9	89	C	33	2		00.00	00.00	720	6H	5	8.55	10	
10	89	C	34	1		00.00	00.00	720	6H	5	5.80	10	
10	89	C	<20	2		00.00	00.00	720	6H	5	6.81	10	
10	89	C	<20	3		00.00	00.00	720	6H	5	3.70	10	
11	89	C	36	1		00.00	00.00	720	6H	5	7.39	10	
11	89	C	34	2		00.00	00.00	720	6H	5	4.30	10	
11	89	C	<20	3		00.00	00.00	720	6H	5	3.34	10	
11	89	C	<20	4		00.00	00.00	720	6H	5	4.29	10	
11	89	C	<20	5		00.00	00.00	720	6H	5	3.15	10	
13	89	C	25	1		00.00	00.00	720	6H	5	3.31	10	
13	89	C	22	2		00.00	00.00	720	6H	5	4.30	10	
13	89	C	<20	3		00.00	00.00	720	6H	5	4.90	10	
13	89	C	<20	4		00.00	00.00	720	6H	5	7.50	10	
13	89	C	<20	5		00.00	00.00	720	6H	5	3.20	10	
14	89	C	27	1		00.00	00.00	720	6H	5	3.94	10	
14	89	C	27	2		00.00	00.00	720	6H	5	7.32	10	
14	89	C	<20	3		00.00	00.00	720	6H	5	3.26	10	
14	89	C	<20	4		00.00	00.00	720	6H	5	3.83	10	
8	90	C	31	1		00.00	00.00	720	6H	5	2.90	10	
9	90	C	43	1		00.00	00.00	720	6H	5	5.61	10	
9	90	C	31	2		00.00	00.00	720	6H	5	7.76	10	
9	90	C	28	2		02.30	00.00	720	6H	5	3.53	10	
9	90	C	<20	3		00.00	00.00	720	6H	5	5.78	10	
9	90	C	<20	4		00.00	00.00	720	6H	5	2.96	10	
12	90	C	45	1		00.00	00.00	720	6H	5	8.84	10	

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LISTING OF INDICATIONS FOR CPL B COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	-----	-----	--	--	--	-----	-----	-----
12	90	C	30	2		00.00	00.00	720	6H	5	5.75	10	
12	90	C	25	3		00.00	00.00	720	6H	5	5.00	10	
12	90	C	24	3		01.30	00.00	720	6H	5	2.43	10	
12	90	C	24	4		02.30	00.00	720	6H	5	2.93	10	
12	90	C	<20	5		01.60	00.00	720	6H	5	2.48	10	
14	90	C	<20	1		00.00	00.00	720	6H	5	2.40	10	
14	90	C	21	2		00.00	00.00	720	6H	5	5.96	10	
14	90	C	22	3		00.00	00.00	720	6H	5	6.95	10	
14	90	C	<20	4		00.00	00.00	720	6H	5	2.97	10	
2	92	C	<20	2		00.00	00.00	720	6H	5	2.15	10	
3	92	C	<20	1		00.00	00.00	720	6H	5	3.85	10	
3	92	C	<20	2		00.00	00.00	720	6H	5	3.82	10	
4	92	C	<20	1		00.00	00.00	720	6H	5	1.73	10	
8	92	C	<20	1		00.00	00.00	720	6H	5	5.11	10	
8	92	C	<20	2		00.00	00.00	720	6H	5	3.99	10	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	2	H	<20	6		09.00	00.00	720	UBH	5	1.64	36	
9	2	H	<20	5		00.00	00.00	700	UBH	5	1.35	30	
14	3	H	32	5		00.30	00.00	720	UBH	5	1.28	30	
11	4	H	25	6		00.00	00.00	720	6H	5	1.77	39	
17	7	H	21	V2		00.00	00.00	720	UBH	5	1.51	30	
2	8	H	<20	TS		00.90	00.00	720	UBH	1	0.98	36	
2	8	H	<20	TS		01.60	00.00	650	UBH	5	0.47	34	
17	8	H	34	6		03.20	00.00	720	UBH	1	4.19	30	
24	8	H	38	5		51.60	00.00	720	UBH	1	4.38	30	
24	8	H	<20	6		00.00	00.00	720	UBH	5	2.23	30	
25	8	H	28	6		00.00	00.00	720	UBH	1	1.80	30	
4	9	H	21	TS		00.90	00.00	700	UBH	5	0.53	30	
5	9	H	27	TS		00.70	00.00	700	UBH	1	0.90	30	
2	12	H	<20	TS		03.20	00.00	720	UBH	1	1.19	36	
26	13	H	<20	V2		00.00	00.00	720	UBH	5	2.16	29	
26	13	H	22	V3		00.00	00.00	720	UBH	5	1.64	29	
27	13	H	28	V2		00.00	00.00	720	UBH	1	1.78	29	
4	14	H	27	TS		02.50	00.00	700	UBH	1	1.12	31	
10	17	H	35	TS		03.10	00.00	720	UBH	5	0.97	28	
15	17	H	42	TS		02.10	00.00	720	UBH	5	0.66	28	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	18	H	27	TS		04.00	00.00	700	UBH	1	1.11	31	
12	18	H	54	TS		04.40	00.00	720	1H	5	0.59	40	
21	18	H	<20	TS		01.50	00.00	720	UBH	5	0.97	28	
3	19	H	<20	TS		00.00	00.00	720	UBH	1	1.01	36	
3	19	H	<20	TS		00.90	00.00	650	UBH	5	0.70	34	
4	19	H	<20	TS		00.00	00.00	700	UBH	1	3.52	31	
6	19	H	<20	TS		00.00	00.00	700	UBH	5	1.80	31	
26	19	H	<20	TS		01.00	00.00	720	UBH	5	0.76	28	
8	20	H	<20	TS		02.10	00.00	700	UBH	1	1.37	31	
9	20	H	52	TS		00.00	00.00	720	UBH	5	2.10	40	
10	20	H	21	TS		00.60	00.00	720	UBH	1	5.41	27	
11	20	H	29	TS		00.60	00.00	720	UBH	1	3.16	27	
20	20	H	<20	V2		00.00	00.00	720	UBH	5	1.43	27	
20	20	H	<20	V3		00.00	00.00	720	UBH	5	1.43	27	
21	20	H	26	V2		00.00	00.00	720	UBH	6	2.56	27	
21	20	H	<20	V3		00.00	00.00	720	UBH	1	5.50	27	
22	20	H	<20	V3		00.00	00.00	720	UBH	5	2.30	27	
22	20	H	<20	V3		01.20	00.00	720	UBH	1	1.53	27	
23	20	H	<20	TS		00.00	00.00	720	UBH	6	1.11	27	
26	20	H	27	TS		00.00	00.00	720	UBH	5	1.43	27	
27	20	H	21	TS		00.00	00.00	720	UBH	5	1.14	27	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	20	H	23	6		50.20	00.00	720	UBH	5	0.98	28	
5	21	H	39	TS		01.90	00.00	700	UBH	5	1.20	31	
7	21	H	42	TS		00.00	00.00	700	UBH	5	1.86	31	
12	21	H	26	TS		01.20	00.00	720	UBH	1	1.01	27	
22	21	H	25	TS		00.90	00.00	720	UBH	1	0.88	27	
24	21	H	36	TS		00.30	00.00	720	UBH	1	1.49	27	
26	21	H	<20	TS		00.00	00.00	720	UBH	6	1.11	27	
29	21	H	21	TS		00.00	00.00	720	UBH	6	0.88	27	
29	21	H	41	TS		00.20	00.00	720	UBH	1	1.95	27	
31	21	H	21	TS		00.00	00.00	720	UBH	5	0.88	27	
37	21	H	37	2		00.00	00.00	720	UBH	6	3.60	27	
37	21	H	26	3		00.00	00.00	720	UBH	6	6.67	27	
5	22	H	31	TS		00.70	00.00	700	UBH	5	1.49	31	
8	22	H	38	TS		00.00	00.00	700	UBH	5	1.98	31	
10	22	H	24	TS		00.00	00.00	720	UBH	1	4.24	27	
12	22	H	24	TS		00.00	00.00	720	UBH	1	7.34	27	
13	22	H	<20	TS		00.00	00.00	720	UBH	1	4.70	27	
27	22	H	31	TS		01.60	00.00	720	UBH	5	0.62	27	
28	22	H	37	TS		00.90	00.00	720	UBH	1	1.30	27	
30	22	H	<20	TS		02.20	00.00	720	UBH	1	0.80	27	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	22	H	<20	V2		00.00	00.00	720	UBH	5	0.57	27	
33	22	H	<20	TS		00.90	00.00	720	UBH	5	0.85	27	
6	23	H	27	TS		01.00	00.00	700	UBH	5	1.78	31	
7	23	H	48	TS		00.90	00.00	720	1H	1	1.59	39	
8	23	H	61	TS		00.70	00.00	720	1H	5	1.68	39	
13	23	H	27	TS		00.40	00.00	720	UBH	5	0.80	27	
17	23	H	32	TS		00.00	00.00	720	UBH	1	4.26	27	
29	23	H	<20	V2		00.00	00.00	720	UBH	5	1.10	27	
30	23	H	21	TS		02.10	00.00	720	UBH	6	1.40	27	
30	23	H	<20	V1		00.00	00.00	720	UBH	1	1.96	27	
30	23	H	<20	V1		40.90	00.00	720	UBH	5	1.38	27	
30	23	H	<20	V1		61.50	00.00	720	UBH	5	1.20	27	
31	23	H	25	TS		00.60	00.00	720	UBH	1	0.86	27	
32	23	H	<20	TS		01.60	00.00	720	UBH	5	0.66	27	
4	24	H	62	TS		00.00	00.00	700	UBH	5	1.16	31	
11	24	H	42	TS		00.60	00.00	720	UBH	5	3.31	27	
12	24	H	38	TS		00.30	00.00	720	UBH	5	1.60	27	
13	24	H	<20	TS		00.60	00.00	720	UBH	1	2.12	27	
14	24	H	<20	TS		00.40	00.00	720	UBH	1	1.74	27	
16	24	H	27	TS		00.50	00.00	720	UBH	1	1.48	27	
17	24	H	21	TS		13.50	00.00	720	UBH	1	1.21	27	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
18	24	H	25	TS		01.00	00.00	720	UBH	1	0.43	27	
22	24	H	<20	TS		01.20	00.00	720	UBH	5	1.09	27	
25	24	H	25	TS		04.80	00.00	720	UBH	5	1.05	27	
26	24	H	<20	V3		00.00	00.00	700	UBH	5	0.87	39	
28	24	H	<20	TS		00.00	00.00	720	UBH	5	0.62	27	
29	24	H	21	V2		00.00	00.00	720	UBH	1	1.55	27	
29	24	H	<20	V3		00.00	00.00	720	UBH	5	0.84	27	
30	24	H	<20	V2		00.00	00.00	720	UBH	1	1.51	27	
30	24	H	21	V3		00.00	00.00	720	UBH	5	0.85	27	
31	24	H	<20	V2		00.00	00.00	720	UBH	5		27	
2	25	H	<20	TS		03.00	00.00	720	6H	1	1.07	36	
6	25	H	45	TS		00.50	00.00	700	UBH	5	1.26	31	
13	25	H	<20	TS		04.10	00.00	720	UBH	1	0.93	27	
14	25	H	34	TS		00.90	00.00	720	UBH	5	2.56	27	
14	25	H	34	TS		03.50	00.00	720	UBH	5	1.03	27	
16	25	H	71	TS		00.00	00.00	720	UBH	5	5.04	40	
16	25	H	34	TS		00.90	00.00	720	6H	1	3.62	27	
17	25	H	20	TS		00.90	00.00	720	UBH	1	2.86	27	
18	25	H	<20	TS		02.50	00.00	720	UBH	5	0.68	27	
19	25	H	22	TS		00.90	00.00	720	UBH	1	1.45	27	
19	25	H	30	TS		05.70	00.00	720	UBH	1	0.80	27	
25	25	H	<20	V2		00.00	00.00	720	UBH	5	1.39	27	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	25	H	<20	V2		00.00	00.00	720	UBH	5	0.56	26	
38	25	H	<20	V1		00.00	00.00	720	UBH	5	1.29	26	
38	25	H	<20	V2		00.00	00.00	720	UBH	5	0.64	26	
38	25	H	<20	V3		00.00	00.00	720	UBH	5	3.03	26	
4	26	H	68	TS		00.00	00.00	720	1H	5	1.31	39	
7	26	H	<20	TS		00.80	00.00	700	UBH	5	2.01	31	
8	26	H	49	TS		00.60	00.00	720	1H	5	1.63	39	
13	26	H	45	TS		00.60	00.00	720	UBH	5	1.37	26	
13	26	H	<20	TS		02.00	00.00	720	UBH	5	1.28	26	
19	26	H	73	TS		00.00	00.00	720	1H	5	2.13	39	
19	26	H	<20	TS		01.50	00.00	720	UBH	5	0.65	26	
21	26	H	<20	TS		02.30	00.00	720	UBH	5	0.71	26	
22	26	H	<20	TS		01.00	00.00	720	UBH	5	0.87	26	
22	26	H	96	TS		-13.70	-22.00	720	1H	5	1.08	39	
22	26	H	95	TS		-18.10	-22.00	720	1H	5	0.62	39	
26	26	H	91	TS		-10.90	-22.00	720	1H	5	1.01	39	
30	26	H	<20	V3		00.00	00.00	720	UBH	5	0.59	26	
8	27	H	<20	TS		00.90	00.00	700	UBH	1	2.36	31	
10	27	H	36	TS		03.00	00.00	720	UBH	5	0.42	26	
15	27	H	<20	TS		02.80	00.00	720	UBH	5	0.87	26	
15	27	H	98	TS		-15.50	-22.00	720	1H	5	2.35	39	
16	27	H	<20	TS		01.80	00.00	720	UBH	5	1.04	26	
17	27	H	<20	TS		01.60	00.00	720	UBH	5	1.45	26	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	27	H	<20	TS		03.00	00.00	720	UBH	5	0.78	26	
18	27	H	99	TS		-08.90	-22.00	720	1H	5	0.59	39	
19	27	H	<20	TS		01.00	00.00	720	UBH	5	0.58	26	
20	27	H	79	TS		00.00	00.00	720	1H	5	2.04	39	
20	27	H	26	TS		00.40	00.00	720	1H	1	1.71	39	
22	27	H	<20	TS		01.30	00.00	720	UBH	5	1.45	26	
23	27	H	<20	TS		02.20	00.00	720	UBH	5	1.97	26	
24	27	H	<20	TS		00.00	00.00	720	UBH	5	1.80	26	
24	27	H	<20	V2		00.00	00.00	720	UBH	5	0.73	26	
26	27	H	<20	V1		00.00	00.00	720	UBH	5	1.18	26	
26	27	H	<20	V2		00.00	00.00	720	UBH	5	1.20	26	
26	27	H	<20	V3		00.00	00.00	720	UBH	5	0.99	26	
30	27	H	<20	TS		03.00	00.00	720	UBH	5	0.47	26	
32	27	H	<20	TS		01.00	00.00	720	UBH	5	0.67	26	
37	27	H	<20	6		15.80	00.00	720	UBH	5	1.06	26	
2	28	H	<20	TS		01.90	00.00	720	6H	1	1.21	36	
2	28	H	<20	TS		03.50	00.00	650	UBH	5	0.48	34	
13	28	H	<20	TS		02.50	00.00	720	UBH	5	1.79	26	
15	28	H	<20	TS		01.30	00.00	720	UBH	5	1.31	26	
16	28	H	<20	TS		01.60	00.00	720	UBH	5	1.32	26	
17	28	H	<20	TS		02.30	00.00	720	UBH	5	1.06	26	
18	28	H	<20	TS		02.30	00.00	720	UBH	5	1.19	26	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
19	28	H	45	TS		00.00	00.00	720	UBH	5	1.16	26	
19	28	H	<20	TS		02.70	00.00	720	UBH	5	1.14	26	
20	28	H	<20	TS		01.30	00.00	720	UBH	5	0.97	26	
21	28	H	<20	TS		01.00	00.00	720	UBH	5	1.28	26	
23	28	H	<20	TS		01.20	00.00	720	UBH	5	1.18	26	
25	28	H	<20	TS		01.00	00.00	720	UBH	5	1.02	26	
25	28	H	<20	V2		00.00	00.00	720	UBH	5	0.92	26	
26	28	H	52	TS		00.00	00.00	720	1H	5	1.87	39	
12	29	H	<20	TS		02.00	00.00	720	UBH	5	1.43	26	
13	29	H	<20	TS		02.90	00.00	720	UBH	5	2.82	26	
16	29	H	<20	TS		02.60	00.00	720	UBH	5	1.68	26	
17	29	H	<20	TS		01.90	00.00	720	UBH	5	1.97	26	
18	29	H	<20	TS		03.60	00.00	720	UBH	5	0.97	26	
19	29	H	<20	TS		00.00	00.00	720	UBH	5	1.46	26	
19	29	H	55	TS		00.30	00.00	720	1H	5	1.48	40	
21	29	H	52	TS		00.00	00.00	720	1H	5	0.85	40	
21	29	H	<20	TS		00.70	00.00	720	UBH	5	0.66	26	
24	29	H	36	TS		00.00	00.00	720	UBH	5	2.51	26	
25	29	H	<20	TS		00.00	00.00	720	UBH	5	3.33	26	
25	29	H	<20	TS		03.60	00.00	720	UBH	5	1.20	26	
26	29	H	65	TS		00.00	00.00	720	1H	5	2.06	39	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
26	29	H	<20	V3		00.00	00.00	720	UBH	5	0.86	26	
31	29	H	<20	V2		00.00	00.00	720	UBH	5	0.71	26	
38	29	H	<20	V1		00.00	00.00	720	UBH	5	1.32	26	
38	29	H	<20	V2		00.00	00.00	720	UBH	5	1.17	26	
38	29	H	<20	V3		00.00	00.00	720	UBH	5	1.41	26	
39	29	H	<20	V2		00.00	00.00	720	UBH	5	1.00	26	
39	29	H	<20	V3		00.00	00.00	720	UBH	5	1.05	26	
41	29	H	<20	V3		00.00	00.00	720	UBH	5	0.89	26	
2	30	H	27	TS		02.00	00.00	720	6H	1	1.23	36	
11	30	H	<20	TS		02.50	00.00	720	UBH	1	3.25	25	
12	30	H	<20	TS		02.20	00.00	720	UBH	1	2.27	25	
13	30	H	22	TS		01.20	00.00	720	UBH	1	3.42	25	
14	30	H	21	TS		01.60	00.00	720	UBH	1	2.71	25	
15	30	H	<20	TS		01.20	00.00	720	UBH	1	3.09	25	
16	30	H	20	TS		01.60	00.00	720	UBH	1	3.67	25	
19	30	H	37	TS		00.70	00.00	720	UBH	1	1.01	25	
21	30	H	<20	TS		00.90	00.00	720	UBH	1	2.13	25	
22	30	H	<20	TS		01.20	00.00	720	UBH	1	2.45	25	
23	30	H	<20	TS		01.20	00.00	720	UBH	5	1.30	25	
24	30	H	<20	TS		00.00	00.00	720	UBH	5	2.25	25	
25	30	H	29	TS		00.00	00.00	720	UBH	5	4.32	25	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	30	H	60	TS		00.00	00.00	720	1H	5	1.90	39	
34	30	H	44	TS		03.50	00.00	720	UBH	5	0.67	25	
2	31	H	98	TS		-11.30	-22.00	720	1H	1	1.03	39	
5	31	H	21	TS		00.90	00.00	700	UBH	5	0.86	31	
10	31	H	<20	TS		01.60	00.00	720	UBH	1	1.89	25	
11	31	H	<20	TS		00.90	00.00	720	UBH	1	2.53	25	
12	31	H	<20	TS		01.90	00.00	720	UBH	1	3.00	25	
13	31	H	<20	TS		01.60	00.00	720	UBH	1	3.35	25	
14	31	H	26	TS		00.90	00.00	720	UBH	1	3.55	25	
14	31	H	20	TS		02.50	00.00	720	UBH	1	3.06	25	
15	31	H	22	TS		01.90	00.00	720	UBH	1	1.71	25	
15	31	H	<20	TS		06.40	00.00	720	UBH	1	2.83	25	
16	31	H	<20	TS		01.20	00.00	720	UBH	1	1.60	25	
16	31	H	<20	TS		05.10	00.00	720	UBH	1	2.71	25	
18	31	H	30	TS		01.60	00.00	720	UBH	1	2.51	25	
18	31	H	<20	TS		04.50	00.00	720	UBH	1	2.01	25	
19	31	H	<20	TS		04.80	00.00	720	UBH	1	1.95	25	
20	31	H	27	TS		00.90	00.00	720	UBH	1	3.11	25	
20	31	H	35	TS		15.10	00.00	720	UBH	1	1.10	25	
25	31	H	27	TS		00.00	00.00	720	UBH	5	3.88	25	
6	32	H	33	TS		01.60	00.00	700	UBH	5	1.73	31	
7	32	H	25	TS		01.60	00.00	700	UBH	5	1.08	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	32	H	<20	TS		02.20	00.00	700	UBH	5	1.17	31	
11	32	H	<20	TS		01.60	00.00	720	UBH	1	3.58	25	
12	32	H	<20	TS		01.90	00.00	720	UBH	1	4.36	25	
13	32	H	<20	TS		01.90	00.00	720	UBH	1	3.79	25	
14	32	H	30	TS		01.60	00.00	720	UBH	1	3.00	25	
15	32	H	<20	TS		01.60	00.00	720	UBH	1	2.46	25	
17	32	H	20	TS		01.60	00.00	720	UBH	1	2.55	25	
18	32	H	23	TS		01.20	00.00	720	UBH	1	3.30	25	
20	32	H	31	TS		01.90	00.00	720	UBH	1	2.95	25	
20	32	H	31	TS		03.80	00.00	720	UBH	1	1.58	25	
21	32	H	<20	TS		01.90	00.00	720	UBH	1	2.35	25	
22	32	H	<20	TS		00.90	00.00	720	UBH	1	3.48	25	
23	32	H	24	TS		00.90	00.00	720	UBH	1	3.27	25	
23	32	H	<20	TS		03.50	00.00	720	UBH	1	1.65	25	
25	32	H	24	TS		00.00	00.00	720	UBH	5	3.28	25	
32	32	H	43	TS		04.50	00.00	720	UBH	1	1.26	25	
33	32	H	22	TS		03.20	00.00	720	UBH	1	1.39	25	
6	33	H	32	TS		00.90	00.00	700	UBH	5	1.71	31	
7	33	H	27	TS		01.20	00.00	700	UBH	5	0.96	31	
8	33	H	<20	TS		01.60	00.00	700	UBH	5	0.99	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	33	H	21	TS		02.30	00.00	700	UBH	5	0.90	31	
12	33	H	24	TS		02.10	00.00	720	UBH	1	2.03	25	
13	33	H	23	TS		02.50	00.00	720	UBH	1	2.47	25	
14	33	H	<20	TS		01.60	00.00	720	UBH	1	3.27	25	
16	33	H	20	TS		02.20	00.00	720	UBH	1	3.41	25	
17	33	H	<20	TS		01.90	00.00	720	UBH	1	2.29	25	
18	33	H	23	TS		01.90	00.00	720	UBH	1	2.68	25	
18	33	H	<20	TS		06.40	00.00	720	UBH	1	2.57	25	
18	33	H	<20	V2		00.00	00.00	720	UBH	5	2.15	25	
18	33	H	<20	V3		00.00	00.00	720	UBH	5	1.95	25	
19	33	H	<20	TS		01.20	00.00	720	UBH	1	2.23	25	
19	33	H	<20	TS		05.10	00.00	720	UBH	1	1.93	25	
22	33	H	25	TS		01.90	00.00	720	UBH	1	2.89	25	
25	33	H	29	TS		00.00	00.00	720	UBH	5	2.46	25	
26	33	H	<20	TS		00.00	00.00	720	UBH	5	2.70	25	
35	33	H	24	TS		01.90	00.00	720	UBH	1	2.29	25	
38	33	H	<20	V3		00.00	00.00	720	UBH	5	1.26	25	
41	33	H	<20	V3		00.00	00.00	720	UBH	5	1.74	25	
5	34	H	<20	TS		00.00	00.00	700	UBH	5	2.52	31	
8	34	H	46	TS		01.50	00.00	700	UBH	5	0.75	31	
9	34	H	38	TS		05.60	00.00	700	UBH	5	0.90	31	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	34	H	24	TS		01.60	00.00	720	UBH	1	0.81	24	
12	34	H	28	TS		01.90	00.00	720	UBH	1	1.00	24	
13	34	H	40	TS		01.80	00.00	720	UBH	1	1.88	24	
14	34	H	25	TS		01.90	00.00	720	UBH	1	1.81	24	
17	34	H	25	TS		01.90	00.00	720	UBH	1	1.90	24	
18	34	H	81	TS		01.50	00.00	720	1H	1	0.54	39	
18	34	H	24	TS		06.40	00.00	720	UBH	1	1.82	24	
20	34	H	29	TS		00.90	00.00	720	UBH	1	1.15	24	
22	34	H	21	TS		00.40	00.00	720	UBH	1	2.48	24	
23	34	H	<20	TS		00.60	00.00	720	UBH	5	0.68	24	
25	34	H	<20	TS		01.20	00.00	720	UBH	1	2.12	24	
26	34	H	49	TS		00.00	00.00	720	1H	5	3.85	40	
29	34	H	<20	TS		04.10	00.00	720	UBH	1	1.08	24	
30	34	H	74	TS		12.60	00.00	720	1H	1	4.46	39	
31	34	H	68	TS		09.90	00.00	720	1H	1	0.57	39	
5	35	H	40	TS		00.00	00.00	700	UBH	5	2.59	31	
6	35	H	56	TS		00.30	00.00	720	1H	5	3.02	39	
6	35	H	41	TS		00.80	00.00	700	UBH	5	1.81	31	
6	35	H	31	TS		01.50	00.00	700	UBH	5	2.30	31	
6	35	H	27	TS		05.00	00.00	700	UBH	5	0.59	31	
6	35	H	78	TS		09.90	00.00	720	1H	5	1.08	39	
6	35	H	78	TS		-12.10	-22.00	700	UBH	5	1.08	31	

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
7	35	H	<20	TS		01.60	00.00	700	UBH	5	0.97	31	
12	35	H	22	TS		01.90	00.00	720	UBH	1	1.97	24	
13	35	H	21	TS		02.50	00.00	720	UBH	1	2.66	24	
17	35	H	25	TS		01.90	00.00	720	UBH	1	2.11	24	
19	35	H	28	TS		01.60	00.00	720	UBH	1	1.43	24	
21	35	H	<20	TS		04.40	00.00	720	UBH	1	1.59	24	
22	35	H	37	TS		00.90	00.00	720	UBH	1	2.27	24	
22	35	H	<20	V3		00.00	00.00	720	UBH	5	1.22	24	
23	35	H	45	TS		00.60	00.00	720	UBH	5	1.43	24	
23	35	H	21	TS		04.40	00.00	720	UBH	1	1.78	24	
32	35	H	24	V3		00.00	00.00	720	UBH	5	1.44	24	
35	35	H	<20	4		01.60	00.00	720	UBH	5	0.57	24	
38	35	H	<20	4		00.90	00.00	720	UBH	5	1.16	24	
3	36	H	27	TS		-19.60	-22.00	720	6H	1	0.99	36	
5	36	H	47	TS		00.60	00.00	700	UBH	5	2.67	31	
6	36	H	55	TS		00.00	00.00	720	1H	5	2.93	39	
9	36	H	<20	TS		01.60	00.00	700	UBH	5	0.90	31	
10	36	H	28	TS		01.20	00.00	720	UBH	1	1.33	24	
13	36	H	30	TS		03.00	00.00	720	UBH	5	0.55	24	
15	36	H	40	TS		03.30	00.00	720	UBH	1	3.04	24	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
16	36	H	52	TS		02.20	00.00	720	1H	1	0.77	39	
16	36	H	40	TS		03.00	00.00	720	UBH	1	1.75	24	
17	36	H	<20	TS		02.80	00.00	720	UBH	1	1.23	24	
18	36	H	<20	TS		02.20	00.00	720	UBH	1	1.06	24	
19	36	H	<20	TS		00.50	00.00	720	UBH	1	3.43	24	
20	36	H	48	TS		03.50	00.00	720	1H	1	1.67	39	
21	36	H	<20	TS		00.50	00.00	720	UBH	1	2.30	24	
22	36	H	<20	TS		00.60	00.00	720	UBH	1	2.14	24	
23	36	H	<20	TS		05.20	00.00	720	UBH	1	1.40	24	
23	36	H	SQRL	TS		-05.40	-22.00	720	1H	5	0.49	39	
24	36	H	34	TS		00.80	00.00	720	UBH	1	2.87	24	
25	36	H	<20	TS		04.70	00.00	720	UBH	1	0.68	24	
26	36	H	28	TS		00.30	00.00	720	UBH	1	0.81	24	
37	36	H	<20	TS		01.30	00.00	720	UBH	1	2.68	24	
39	36	H	<20	TS		02.30	00.00	720	UBH	5	0.61	24	
42	36	H	<20	2		00.90	00.00	720	UBH	1	2.20	24	
2	37	H	<20	TS		01.90	00.00	700	UBH	1	0.74	39	
5	37	H	26	TS		04.10	00.00	700	UBH	5	0.67	31	
6	37	H	24	TS		01.70	00.00	700	UBH	5	0.67	31	
7	37	H	30	TS		01.40	00.00	700	UBH	5	1.05	31	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	37	H	<20	TS		01.90	00.00	700	UBH	5	0.79	31	
11	37	H	<20	TS		00.80	00.00	720	UBH	1	2.16	24	
16	37	H	<20	TS		07.40	00.00	720	UBH	1	2.39	24	
17	37	H	31	TS		01.90	00.00	720	UBH	1	1.14	24	
20	37	H	26	TS		06.20	00.00	720	UBH	1	1.23	24	
22	37	H	<20	TS		06.00	00.00	720	UBH	1	2.06	24	
23	37	H	31	TS		00.60	00.00	720	UBH	1	0.96	24	
24	37	H	57	TS		00.00	00.00	720	1H	5	1.73	39	
24	37	H	<20	TS		05.10	00.00	720	UBH	1	1.56	24	
25	37	H	<20	TS		00.00	00.00	720	UBH	5	3.68	24	
25	37	H	<20	TS		04.80	00.00	720	UBH	1	1.28	24	
34	37	H	28	TS		04.70	00.00	720	UBH	1	0.71	24	
37	37	H	<20	TS		01.20	00.00	720	UBH	5	0.79	24	
38	37	H	33	TS		00.40	00.00	720	UBH	5	0.44	24	
43	37	H	23	V3		00.00	00.00	720	UBH	5	1.02	24	
5	38	H	<20	TS		04.80	00.00	700	UBH	5	0.74	31	
7	38	H	<20	TS		01.60	00.00	700	UBH	5	1.88	31	
8	38	H	30	TS		01.80	00.00	700	UBH	5	1.02	31	
11	38	H	<20	TS		00.90	00.00	720	UBH	5	1.98	23	
12	38	H	<20	TS		03.20	00.00	720	UBH	5	1.36	23	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	38	H	<20	TS		03.20	00.00	720	UBH	5	1.57	23	
17	38	H	<20	TS		03.20	00.00	720	UBH	5	1.18	23	
18	38	H	<20	TS		00.90	00.00	720	UBH	5	1.22	23	
18	38	H	<20	TS		07.10	00.00	720	UBH	5	1.16	23	
18	38	H	<20	V2		00.00	00.00	720	UBH	5	1.64	23	
18	38	H	<20	V3		00.00	00.00	720	UBH	5	1.71	23	
18	38	H	<20	V4		00.00	00.00	720	UBH	5	1.92	23	
19	38	H	<20	TS		00.90	00.00	720	UBH	5	1.95	23	
21	38	H	<20	TS		00.00	00.00	720	UBH	5	2.46	23	
22	38	H	<20	TS		00.00	00.00	720	UBH	5	2.83	23	
22	38	H	<20	TS		07.40	00.00	720	UBH	5	0.84	23	
23	38	H	<20	TS		00.00	00.00	720	UBH	5	4.95	23	
24	38	H	30	TS		00.00	00.00	720	UBH	5	4.19	23	
25	38	H	32	TS		00.00	00.00	720	UBH	5	3.65	23	
25	38	H	<20	TS		05.10	00.00	720	UBH	5	0.88	23	
26	38	H	<20	TS		05.10	00.00	720	UBH	5	1.01	23	
38	38	H	53	TS		01.60	00.00	720	1H	5	0.99	39	
6	39	H	<20	TS		01.60	00.00	700	UBH	5	0.87	31	
7	39	H	<20	TS		01.90	00.00	700	UBH	5	0.89	31	
9	39	H	34	TS		00.20	00.00	700	UBH	5	1.10	31	
20	39	H	<20	TS		07.40	00.00	720	UBH	5	1.50	23	
22	39	H	<20	TS		00.00	00.00	720	UBH	5	3.06	23	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	39	H	<20	TS		07.10	00.00	720	UBH	5	1.33	23	
25	39	H	<20	TS		00.00	00.00	720	UBH	5	3.39	23	
25	39	H	<20	TS		05.80	00.00	720	UBH	5	1.47	23	
25	39	H	<20	TS		25.10	00.00	720	UBH	5	0.98	23	
34	39	H	35	TS		04.50	00.00	720	UBH	5	1.09	23	
37	39	H	20	TS		00.90	00.00	720	UBH	5	1.11	23	
37	39	H	46	TS		03.80	00.00	720	UBH	5	1.00	23	
37	39	H	<20	1		00.00	00.00	720	UBH	5	1.84	23	
43	39	H	<20	V1		00.00	00.00	720	UBH	5	1.83	23	
43	39	H	<20	V3		00.00	00.00	720	UBH	5	1.61	23	
3	40	H	<20	TS		00.50	00.00	720	UBH	1	1.75	36	
4	40	H	<20	5		00.00	00.00	700	UBH	5	1.85	31	
8	40	H	<20	TS		01.20	00.00	700	UBH	5	1.28	31	
9	40	H	<20	TS		01.60	00.00	700	UBH	5	0.68	31	
11	40	H	<20	TS		03.20	00.00	720	UBH	5	0.95	23	
18	40	H	<20	TS		07.70	00.00	720	UBH	5	1.03	23	
18	40	H	<20	V2		00.00	00.00	720	UBH	5	1.53	23	
18	40	H	<20	V3		00.00	00.00	720	UBH	5	1.94	23	
20	40	H	21	TS		00.00	00.00	720	UBH	5	2.06	23	
22	40	H	<20	TS		00.00	00.00	720	UBH	5	2.57	23	
22	40	H	<20	TS		07.40	00.00	720	UBH	5	1.22	23	
23	40	H	<20	TS		00.00	00.00	720	UBH	5	3.60	23	
24	40	H	<20	TS		00.00	00.00	720	UBH	5	2.76	23	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	40	H	<20	TS		06.40	00.00	720	UBH	5	1.83	23	
32	40	H	<20	TS		10.60	00.00	720	UBH	5	0.89	23	
38	40	H	50	TS		00.70	00.00	720	1H	5	4.45	39	
43	40	H	<20	V1		00.00	00.00	720	UBH	5	2.65	23	
43	40	H	<20	V2		00.00	00.00	720	UBH	5	1.47	23	
45	40	H	<20	5		03.80	00.00	720	UBH	5	1.39	23	
45	40	H	32	5		09.60	00.00	720	UBH	5	1.29	23	
14	41	H	<20	TS		04.50	00.00	720	UBH	5	0.90	23	
15	41	H	36	TS		04.10	00.00	720	UBH	5	2.25	23	
17	41	H	47	TS		01.90	00.00	720	1H	5	1.32	40	
17	41	H	<20	TS		08.70	00.00	720	1H	5	1.49	40	
21	41	H	<20	TS		00.00	00.00	720	UBH	5	1.96	23	
22	41	H	<20	TS		00.00	00.00	720	UBH	5	1.90	23	
23	41	H	<20	TS		00.00	00.00	720	UBH	5	2.78	23	
25	41	H	<20	TS		05.80	00.00	720	UBH	5	1.64	23	
27	41	H	<20	TS		00.00	00.00	720	UBH	5	3.41	23	
32	41	H	73	TS		08.30	00.00	720	1H	5	10.43	39	
36	41	H	<20	TS		04.80	00.00	720	UBH	5	0.84	23	
43	41	H	<20	V1		00.00	00.00	720	UBH	5	1.79	23	
43	41	H	<20	V2		00.00	00.00	720	UBH	5	1.02	23	
43	41	H	<20	V3		00.00	00.00	720	UBH	5	1.24	23	
43	41	H	<20	V4		00.00	00.00	720	UBH	5	1.64	23	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	42	H	<20	TS		02.80	00.00	700	UBH	1	0.90	39	
7	42	H	<20	TS		00.40	00.00	700	UBH	5	2.17	31	
14	42	H	38	TS		02.20	00.00	720	UBH	5	0.79	23	
15	42	H	32	TS		03.80	00.00	720	UBH	5	2.02	23	
16	42	H	33	TS		04.00	00.00	720	UBH	5	1.44	23	
18	42	H	<20	TS		08.40	00.00	720	UBH	5	1.08	23	
25	42	H	<20	TS		00.00	00.00	720	UBH	5	2.14	23	
29	42	H	<20	TS		00.00	00.00	720	UBH	5	4.48	23	
31	42	H	48	TS		00.00	00.00	720	1H	5	2.73	39	
38	42	H	20	TS		00.90	00.00	720	UBH	1	1.86	39	
38	42	H	<20	TS		01.00	00.00	720	UBH	1	1.80	39	
44	42	H	<20	V1		00.00	00.00	720	UBH	5	2.24	23	
44	42	H	<20	V3		00.00	00.00	720	UBH	5	1.45	23	
44	42	H	<20	V4		00.00	00.00	720	UBH	5	1.33	23	
2	43	H	<20	TS		02.00	00.00	720	6H	1	1.35	36	
5	43	H	<20	TS		00.00	00.00	700	UBH	5	3.12	31	
5	43	H	24	TS		01.90	00.00	700	UBH	5	1.07	31	
9	43	H	<20	TS		00.00	00.00	700	UBH	5	0.88	31	
14	43	H	<20	TS		03.50	00.00	720	UBH	5	0.74	22	
15	43	H	35	TS		03.80	00.00	720	UBH	5	1.18	22	
16	43	H	46	TS		04.30	00.00	720	UBH	5	1.21	22	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	43	H	24	TS		02.50	00.00	720	UBH	5	1.03	22	
17	43	H	33	TS		08.60	00.00	720	UBH	5	1.42	22	
18	43	H	<20	TS		02.20	00.00	720	UBH	5	1.56	22	
19	43	H	<20	TS		02.20	00.00	720	UBH	5	0.93	22	
22	43	H	24	V3		00.00	00.00	720	UBH	5	1.08	22	
23	43	H	<20	TS		00.00	00.00	720	UBH	5	2.59	22	
24	43	H	<20	TS		00.00	00.00	720	UBH	5	2.20	22	
24	43	H	22	TS		00.60	00.00	720	UBH	5	2.14	22	
24	43	H	29	TS		06.10	00.00	720	UBH	5	0.90	22	
25	43	H	<20	TS		00.00	00.00	720	UBH	5	1.94	22	
25	43	H	21	TS		06.00	00.00	720	UBH	5	0.96	22	
27	43	H	<20	TS		00.00	00.00	720	UBH	5	2.62	22	
28	43	H	<20	TS		00.00	00.00	720	UBH	5	5.31	22	
29	43	H	<20	TS		00.00	00.00	720	UBH	5	3.90	22	
30	43	H	21	TS		00.00	00.00	720	UBH	5	5.81	22	
31	43	H	<20	TS		00.00	00.00	720	UBH	5	4.27	22	
35	43	H	40	TS		05.10	00.00	720	UBH	5	0.77	22	
36	43	H	44	TS		05.40	00.00	720	UBH	5	1.95	22	
37	43	H	<20	V3		00.00	00.00	720	UBH	5	1.20	22	
39	43	H	<20	V3		00.00	00.00	720	UBH	5	2.31	22	
2	44	H	<20	TS		02.20	00.00	650	UBH	5	1.09	39	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	44	H	25	TS		04.80	00.00	650	UBH	1	0.84	39	
4	44	H	20	TS		00.00	00.00	700	UBH	5	1.68	32	
5	44	H	<20	TS		00.20	00.00	700	UBH	5	1.86	32	
6	44	H	34	TS		00.00	00.00	700	UBH	5	2.19	32	
7	44	H	20	TS		00.40	00.00	700	UBH	5	1.55	32	
7	44	H	44	TS		05.90	00.00	700	UBH	5	0.55	32	
9	44	H	39	TS		00.70	00.00	700	UBH	5	1.35	32	
10	44	H	36	TS		03.00	00.00	720	UBH	5	0.47	22	
12	44	H	<20	TS		02.00	00.00	720	UBH	5	0.88	22	
13	44	H	<20	TS		01.80	00.00	720	UBH	5	1.08	22	
14	44	H	<20	TS		02.50	00.00	720	UBH	5	0.85	22	
15	44	H	<20	TS		04.10	00.00	720	UBH	5	1.40	22	
15	44	H	<20	TS		08.60	00.00	720	UBH	5	0.98	22	
15	44	H	95	TS		04.20	22.00	720	1H	5	0.11	39	
15	44	H	30	V3		00.00	00.00	720	UBH	5	1.02	22	
15	44	H	<20	V4		00.00	00.00	720	UBH	5	1.75	22	
17	44	H	<20	TS		03.50	00.00	720	UBH	5	1.00	22	
17	44	H	29	TS		09.30	00.00	720	UBH	5	1.18	22	
18	44	H	33	TS		03.20	00.00	720	UBH	5	0.96	22	
19	44	H	95	TS		00.30	00.00	720	1H	5	3.93	39	
19	44	H	<20	V3		00.00	00.00	720	UBH	5	0.84	22	
20	44	H	35	TS		07.70	00.00	720	UBH	5	1.00	22	
23	44	H	<20	TS		00.00	00.00	720	UBH	5	2.74	22	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	44	H	<20	TS		00.00	00.00	720	UBH	5	2.89	22	
24	44	H	<20	TS		06.10	00.00	720	UBH	5	0.92	22	
25	44	H	<20	TS		00.00	00.00	720	UBH	5	2.95	22	
27	44	H	<20	TS		00.00	00.00	720	UBH	5	2.56	22	
28	44	H	<20	TS		00.00	00.00	720	UBH	5	3.92	22	
28	44	H	<20	TS		05.40	00.00	720	UBH	5	1.07	22	
29	44	H	<20	TS		00.00	00.00	720	UBH	5	3.14	22	
2	45	H	<20	TS		03.50	00.00	650	UBH	1	1.54	39	
6	45	H	23	TS		00.00	00.00	700	UBH	5	4.08	32	
7	45	H	31	TS		00.00	00.00	700	UBH	5	4.56	32	
9	45	H	<20	TS		00.70	00.00	700	UBH	5	1.60	32	
10	45	H	<20	TS		00.90	00.00	720	UBH	5	0.88	22	
12	45	H	<20	TS		01.90	00.00	720	UBH	5	0.99	22	
13	45	H	<20	TS		02.50	00.00	720	UBH	5	1.06	22	
14	45	H	36	TS		02.80	00.00	720	UBH	5	0.83	22	
15	45	H	29	TS		03.20	00.00	720	UBH	5	1.14	22	
16	45	H	<20	TS		03.80	00.00	720	UBH	5	1.81	22	
16	45	H	<20	TS		09.80	00.00	720	UBH	5	1.12	22	
17	45	H	32	TS		03.50	00.00	720	UBH	5	1.12	22	
17	45	H	<20	TS		09.20	00.00	720	UBH	5	1.06	22	
18	45	H	24	TS		02.50	00.00	720	UBH	5	1.74	22	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	45	H	30	TS		20.30	00.00	720	UBH	5	0.79	22	
20	45	H	<20	TS		01.20	00.00	720	UBH	5	1.60	22	
20	45	H	<20	TS		13.90	00.00	720	UBH	5	0.57	22	
20	45	H	35	TS		21.00	00.00	720	UBH	5	0.56	22	
21	45	H	<20	TS		07.70	00.00	720	UBH	5	0.70	22	
24	45	H	<20	TS		00.00	00.00	720	UBH	5	2.43	22	
25	45	H	<20	TS		00.00	00.00	720	UBH	5	2.50	22	
27	45	H	<20	TS		06.10	00.00	720	UBH	5	1.46	22	
27	45	H	<20	V2		00.00	00.00	720	UBH	5	0.85	22	
27	45	H	<20	V3		00.00	00.00	720	UBH	5	0.97	22	
27	45	H	<20	V4		00.00	00.00	720	UBH	5	0.83	22	
28	45	H	<20	TS		00.00	00.00	720	UBH	5	3.49	22	
28	45	H	<20	TS		05.40	00.00	720	UBH	5	1.32	22	
28	45	H	<20	V3		00.00	00.00	720	UBH	5	1.42	22	
29	45	H	<20	V3		00.00	00.00	720	UBH	5	1.26	22	
32	45	H	<20	V3		00.00	00.00	720	UBH	5	1.03	22	
33	45	H	<20	TS		02.50	00.00	720	UBH	5	0.62	22	
33	45	H	<20	V3		00.00	00.00	720	UBH	5	1.25	22	
35	45	H	87	TS		06.70	00.00	720	1H	5	7.77	39	
35	45	H	68	TS		08.50	00.00	720	1H	5	1.69	39	
36	45	H	<20	V3		00.00	00.00	720	UBH	6	2.08	22	
38	45	H	<20	TS		05.50	00.00	720	UBH	6	1.65	22	
4	46	H	28	TS		00.50	00.00	720	UBH	1	0.93	40	
5	46	H	39	TS		03.20	00.00	700	UBH	5	0.80	32	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	46	H	39	TS		00.00	00.00	700	UBH	5	3.45	32	
7	46	H	23	TS		00.00	00.00	700	UBH	5	3.09	32	
8	46	H	39	TS		00.00	00.00	700	UBH	5	4.07	32	
9	46	H	37	TS		00.60	00.00	700	UBH	5	5.35	32	
15	46	H	24	TS		02.70	00.00	720	UBH	1	2.35	22	
16	46	H	27	TS		04.80	00.00	720	UBH	1	1.39	22	
17	46	H	<20	TS		02.50	00.00	720	UBH	1	1.65	22	
18	46	H	29	TS		03.60	00.00	720	UBH	1	1.76	22	
20	46	H	<20	TS		01.90	00.00	720	UBH	5	1.14	22	
23	46	H	<20	TS		00.00	00.00	720	UBH	5	3.54	22	
29	46	H	<20	TS		04.80	00.00	720	UBH	1	2.19	22	
33	46	H	22	TS		09.00	00.00	720	UBH	1	2.09	22	
35	46	H	50	TS		07.70	00.00	720	1H	1	1.69	39	
36	46	H	80	TS		06.70	00.00	720	1H	1	6.13	39	
37	46	H	<20	TS		00.70	00.00	720	UBH	1	2.14	22	
38	46	H	36	TS		05.70	00.00	720	UBH	1	1.76	22	
39	46	H	42	TS		05.10	00.00	720	UBH	1	1.50	22	
6	47	H	<20	TS		01.10	00.00	700	UBH	5	1.85	32	
9	47	H	34	TS		00.60	00.00	700	UBH	5	3.05	32	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	47	H	39	TS		03.30	00.00	720	UBH	5	0.68	21	
14	47	H	42	3		00.00	00.00	720	UBH	5	2.55	21	
16	47	H	<20	TS		09.80	00.00	720	UBH	5	0.81	21	
16	47	H	84	TS		22.20	00.00	720	1H	1	8.68	39	
17	47	H	42	TS		02.10	00.00	720	UBH	1	1.36	21	
17	47	H	26	TS		03.30	00.00	720	UBH	1	1.74	21	
17	47	H	22	TS		04.30	00.00	720	UBH	1	1.57	21	
18	47	H	25	TS		02.50	00.00	720	UBH	1	1.20	21	
18	47	H	30	4		00.00	00.00	720	UBH	5	1.78	21	
19	47	H	25	TS		01.90	00.00	720	UBH	1	1.14	21	
34	47	H	<20	TS		00.90	00.00	720	UBH	5	0.95	21	
34	47	H	66	TS		11.40	00.00	720	1H	1	3.71	39	
35	47	H	52	TS		06.70	00.00	720	1H	1	2.37	39	
35	47	H	39	V3		00.00	00.00	720	UBH	5	0.87	21	
37	47	H	<20	TS		00.90	00.00	720	UBH	1	3.00	21	
40	47	H	<20	V3		00.00	00.00	720	UBH	1	2.30	21	
40	47	H	28	V4		00.00	00.00	720	UBH	1	1.72	21	
2	48	H	<20	TS		03.60	00.00	650	UBH	1	1.75	33	
2	48	H	<20	TS		04.10	00.00	720	UBH	1	1.04	36	
3	48	H	<20	TS		04.00	00.00	720	UBH	1	0.79	36	
3	48	H	<20	TS		05.10	00.00	650	UBH	1	1.63	33	
7	48	H	49	TS		00.50	00.00	720	1H	5	1.50	39	
9	48	H	<20	TS		00.60	00.00	700	UBH	5	1.53	32	
9	48	H	27	TS		03.20	00.00	700	UBH	5	0.74	32	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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10	48	H	<20	TS		00.50	00.00	720	UBH	1	6.08	21	
12	48	H	22	TS		00.60	00.00	720	UBH	1	10.15	21	
12	48	H	43	TS		06.30	00.00	720	UBH	5	1.12	21	
13	48	H	<20	TS		01.00	00.00	720	UBH	5	2.38	21	
14	48	H	<20	TS		01.60	00.00	720	UBH	5	1.49	21	
16	48	H	<20	TS		02.20	00.00	720	UBH	5	1.84	21	
17	48	H	<20	TS		04.50	00.00	720	UBH	5	1.57	21	
17	48	H	31	TS		09.20	00.00	720	UBH	5	1.40	21	
18	48	H	37	TS		01.60	00.00	720	UBH	1	1.31	21	
18	48	H	33	TS		02.00	00.00	720	UBH	1	1.41	21	
18	48	H	24	TS		09.30	00.00	720	UBH	1	1.27	21	
18	48	H	22	V2		00.00	00.00	720	UBH	5	1.24	21	
18	48	H	34	V3		00.00	00.00	720	UBH	5	2.74	21	
19	48	H	28	TS		02.30	00.00	720	UBH	1	1.64	21	
21	48	H	21	TS		00.90	00.00	720	UBH	1	1.13	21	
21	48	H	<20	TS		06.60	00.00	720	UBH	1	1.41	21	
22	48	H	<20	TS		01.00	00.00	720	UBH	5	1.58	21	
23	48	H	22	TS		01.00	00.00	720	UBH	5	2.01	21	
35	48	H	47	TS		06.90	00.00	720	UBH	1	1.33	21	
40	48	H	47	TS		01.60	00.00	720	UBH	1	1.64	21	
2	49	H	<20	TS		03.00	00.00	650	UBH	1	1.78	33	
2	49	H	<20	TS		03.10	00.00	720	UBH	1	1.81	36	
3	49	H	27	TS		02.70	00.00	720	UBH	1	1.27	36	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
6	49	H	20	TS		03.50	00.00	700	UBH	5	1.54	32	
8	49	H	46	TS		00.00	00.00	700	UBH	5	3.38	32	
10	49	H	33	TS		02.80	00.00	720	UBH	5	1.84	21	
11	49	H	<20	TS		00.10	00.00	720	UBH	5	8.56	21	
11	49	H	<20	TS		03.80	00.00	720	UBH	5	1.88	21	
12	49	H	71	TS		00.60	00.00	720	1H	1	3.93	39	
13	49	H	34	TS		01.00	00.00	720	UBH	5	1.67	21	
14	49	H	<20	TS		01.10	00.00	720	UBH	1	1.70	21	
15	49	H	<20	TS		02.00	00.00	720	UBH	1	1.52	21	
16	49	H	36	TS		02.30	00.00	720	UBH	5	1.42	21	
16	49	H	<20	TS		08.10	00.00	720	UBH	5	1.90	21	
17	49	H	34	TS		01.60	00.00	720	UBH	1	1.89	21	
18	49	H	37	TS		01.60	00.00	720	UBH	1	1.38	21	
19	49	H	26	TS		01.00	00.00	720	UBH	5	1.55	21	
20	49	H	41	TS		01.00	00.00	720	UBH	5	1.93	21	
20	49	H	31	TS		09.10	00.00	720	UBH	5	3.42	21	
21	49	H	<20	TS		01.00	00.00	720	UBH	1	2.23	21	
22	49	H	<20	TS		00.00	00.00	720	UBH	1	1.49	21	
23	49	H	<20	TS		07.10	00.00	720	UBH	5	0.62	21	
24	49	H	24	TS		01.30	00.00	720	UBH	5	1.22	21	
26	49	H	20	TS		00.70	00.00	720	UBH	1	5.05	21	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	49	H	<20	TS		02.60	00.00	720	UBH	1	1.06	21	
30	49	H	29	TS		21.30	00.00	720	UBH	5	0.81	21	
31	49	H	<20	TS		06.30	00.00	720	UBH	5	0.92	21	
32	49	H	22	TS		01.00	00.00	720	UBH	5	1.57	21	
33	49	H	35	TS		02.60	00.00	720	UBH	1	1.45	21	
33	49	H	93	1		00.00	00.00	720	1H	1	3.59	39	
36	49	H	74	TS		05.50	00.00	720	1H	1	4.07	39	
36	49	H	34	V3		00.00	00.00	720	UBH	5	2.15	21	
37	49	H	23	TS		07.40	00.00	720	UBH	1	2.02	21	
37	49	H	29	V3		00.00	00.00	720	UBH	1	1.25	21	
42	49	H	<20	V3		00.00	00.00	720	UBH	1	3.07	21	
2	50	H	<20	TS		02.20	00.00	720	UBH	1	1.36	36	
4	50	H	25	TS		04.00	00.00	720	UBH	1	0.76	40	
9	50	H	<20	TS		01.90	00.00	700	UBH	5	1.34	32	
10	50	H	22	TS		01.10	00.00	720	UBH	1	4.48	20	
11	50	H	26	TS		00.40	00.00	720	UBH	1	2.93	20	
13	50	H	23	TS		01.20	00.00	720	UBH	5	1.55	20	
15	50	H	<20	TS		02.10	00.00	720	UBH	1	1.43	20	
16	50	H	<20	TS		01.80	00.00	720	UBH	1	2.13	20	
17	50	H	33	TS		02.60	00.00	720	UBH	5	0.79	20	
18	50	H	37	TS		04.40	00.00	720	UBH	1	1.65	20	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH ---	VOLT -----	REEL -----	TURNS -----
18	50	H	24	TS		08.50	00.00	720	UBH	1	1.39	20	
18	50	H	22	TS		11.80	00.00	720	UBH	1	1.55	20	
18	50	H	<20	V3		00.00	00.00	720	UBH	5	2.38	20	
19	50	H	<20	TS		07.00	00.00	720	UBH	5	2.48	20	
20	50	H	29	TS		01.10	00.00	720	UBH	1	2.18	20	
20	50	H	25	TS		18.40	00.00	720	UBH	1	1.82	20	
21	50	H	22	TS		08.20	00.00	720	UBH	1	1.32	20	
22	50	H	20	TS		01.10	00.00	720	UBH	1	2.55	20	
24	50	H	<20	TS		01.00	00.00	720	UBH	1	1.53	20	
24	50	H	<20	TS		07.90	00.00	720	UBH	1	2.39	20	
26	50	H	37	TS		01.00	00.00	720	UBH	5	1.50	20	
33	50	H	<20	TS		02.00	00.00	720	UBH	1	1.58	21	
33	50	H	<20	TS		02.30	00.00	720	UBH	5	1.17	39	
36	50	H	70	TS		06.70	00.00	720	1H	1	4.99	39	
36	50	H	49	TS		08.30	00.00	720	1H	1	4.72	39	
42	50	H	<20	TS		00.00	00.00	720	UBH	5	1.97	21	
42	50	H	21	V2		00.00	00.00	720	UBH	1	1.98	21	
9	51	H	<20	TS		01.40	00.00	700	UBH	5	1.34	32	
10	51	H	26	TS		00.80	00.00	720	UBH	1	3.09	20	
12	51	H	25	TS		00.60	00.00	720	UBH	1	1.27	20	
13	51	H	48	TS		11.30	00.00	720	1H	1	1.10	39	
15	51	H	<20	TS		00.50	00.00	720	UBH	1	1.05	20	
16	51	H	<20	TS		01.00	00.00	720	UBH	1	0.93	20	

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LISTING OF INDICATIONS FOR PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	51	H	22	TS		01.60	00.00	720	UBH	1	2.27	20	
18	51	H	22	TS		01.50	00.00	720	UBH	1	1.90	20	
18	51	H	25	V2		00.00	00.00	720	UBH	5	0.88	20	
18	51	H	39	V3		00.00	00.00	720	UBH	5	1.12	20	
19	51	H	<20	TS		00.60	00.00	720	UBH	1	0.99	20	
22	51	H	<20	TS		05.50	00.00	720	UBH	1	0.89	20	
22	51	H	25	V1		00.00	00.00	720	UBH	6	2.04	20	
22	51	H	<20	V3		00.00	00.00	720	UBH	6	2.89	20	
23	51	H	31	TS		01.00	00.00	720	UBH	1	0.90	20	
26	51	H	32	TS		00.90	00.00	720	UBH	1	1.26	20	
27	51	H	<20	TS		00.00	00.00	720	UBH	1	1.17	20	
28	51	H	<20	TS		00.50	00.00	720	UBH	1	0.43	20	
33	51	H	<20	TS		00.20	00.00	720	UBH	1	5.93	20	
38	51	H	43	TS		05.50	00.00	720	UBH	1	2.52	20	
38	51	H	25	V3		00.00	00.00	720	UBH	5	1.17	20	
40	51	H	<20	TS		04.20	00.00	720	UBH	1	1.73	20	
42	51	H	27	V2		00.00	00.00	720	UBH	5	0.66	20	
9	52	H	<20	TS		01.20	00.00	700	UBH	1	3.67	32	
10	52	H	72	TS		00.30	00.00	720	1H	5	1.95	39	
13	52	H	79	TS		00.00	00.00	720	1H	5	2.10	39	
14	52	H	24	TS		00.70	00.00	720	UBH	5	0.68	20	
17	52	H	25	TS		00.90	00.00	720	UBH	1	2.77	20	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	52	H	<20	V2		00.00	00.00	720	UBH	5	0.98	20	
17	52	H	<20	V3		00.00	00.00	720	UBH	5	1.16	20	
18	52	H	89	TS		00.60	00.00	720	1H	5	1.14	39	
18	52	H	29	TS		09.60	00.00	720	UBH	5	0.79	20	
18	52	H	23	V2		00.00	00.00	720	UBH	5	1.33	20	
18	52	H	22	V3		00.00	00.00	720	UBH	5	1.25	20	
19	52	H	<20	V3		00.00	00.00	720	UBH	5	1.32	20	
20	52	H	29	TS		01.60	00.00	720	UBH	5	1.46	20	
20	52	H	35	TS		06.70	00.00	720	UBH	5	1.03	20	
21	52	H	26	TS		00.40	00.00	720	UBH	1	2.08	20	
22	52	H	41	TS		00.90	00.00	720	UBH	1	1.68	20	
22	52	H	<20	V3		00.00	00.00	720	UBH	5	1.18	20	
23	52	H	25	TS		01.10	00.00	720	UBH	1	2.01	20	
23	52	H	<20	V3		00.00	00.00	720	UBH	5	1.80	20	
24	52	H	24	TS		00.90	00.00	720	UBH	1	1.39	20	
25	52	H	31	TS		00.50	00.00	720	UBH	1	5.56	20	
26	52	H	35	TS		00.90	00.00	720	UBH	1	7.86	20	
26	52	H	<20	V2		00.00	00.00	720	UBH	5	1.54	20	
26	52	H	33	V3		00.00	00.00	720	UBH	5	2.06	20	
27	52	H	28	TS		00.60	00.00	720	1H	1	1.49	39	
27	52	H	23	TS		22.70	00.00	720	1H	1	1.34	39	
28	52	H	<20	TS		00.60	00.00	720	UBH	1	0.98	20	
29	52	H	24	TS		00.20	00.00	720	UBH	1	2.74	20	
32	52	H	60	TS		15.10	00.00	720	1H	1	2.41	39	

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	52	H	29	5		00.00	00.00	720	UBH	5	5.56	20	
37	52	H	30	TS		05.50	00.00	720	UBH	1	0.83	20	
37	52	H	<20	V2		00.00	00.00	720	UBH	5	1.26	20	
37	52	H	33	V2		26.70	00.00	720	UBH	5	1.02	20	
39	52	H	34	TS		04.10	00.00	720	UBH	5	0.40	39	
43	52	H	30	V2		00.00	00.00	720	UBH	5	0.74	20	
43	52	H	<20	V3		00.00	00.00	720	UBH	5	1.25	20	
2	53	H	<20	TS		02.70	00.00	720	UBH	1	1.15	36	
7	53	H	SQRL	TS		-09.70	-22.00	720	2H	5	0.50	39	
9	53	H	58	TS		01.30	00.00	720	2H	1	1.72	39	
10	53	H	<20	TS		01.20	00.00	720	UBH	1	3.46	20	
11	53	H	54	TS		00.00	00.00	720	2H	5	3.09	39	
13	53	H	<20	TS		02.60	00.00	720	UBH	5	1.11	20	
14	53	H	30	TS		00.70	00.00	720	UBH	1	1.04	20	
14	53	H	<20	TS		10.50	00.00	720	UBH	5	0.73	20	
15	53	H	24	TS		01.20	00.00	720	UBH	1	2.85	20	
17	53	H	<20	TS		00.60	00.00	720	UBH	1	0.73	20	
18	53	H	20	TS		00.80	00.00	720	UBH	1	0.88	20	
18	53	H	<20	TS		06.30	00.00	720	UBH	5	1.10	20	
18	53	H	29	V2		00.00	00.00	720	UBH	5	1.68	20	
18	53	H	<20	V3		00.00	00.00	720	UBH	5	1.89	20	
19	53	H	35	TS		00.90	00.00	720	UBH	1	2.86	20	
19	53	H	25	TS		06.70	00.00	720	UBH	5	0.84	20	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
20	53	H	96	TS		00.00	00.00	720	2H	5	3.55	39	
20	53	H	<20	TS		01.50	00.00	720	UBH	1	1.35	20	
20	53	H	<20	TS		19.80	00.00	720	UBH	1	1.11	20	
20	53	H	<20	V3		00.00	00.00	720	UBH	5	1.74	20	
21	53	H	40	TS		00.70	00.00	720	UBH	1	1.58	20	
21	53	H	24	TS		05.90	00.00	720	UBH	1	0.69	20	
22	53	H	41	TS		00.70	00.00	720	UBH	5	1.29	20	
22	53	H	28	TS		05.50	00.00	720	UBH	5	1.49	20	
22	53	H	28	V3		00.00	00.00	720	UBH	5	1.69	20	
23	53	H	<20	TS		00.40	00.00	720	UBH	5	2.16	20	
23	53	H	<20	TS		05.40	00.00	720	UBH	5	0.68	20	
23	53	H	<20	V3		00.00	00.00	720	UBH	5	1.55	20	
27	53	H	20	V3		00.00	00.00	720	UBH	5	0.98	20	
29	53	H	86	TS		00.00	00.00	720	2H	5	3.73	39	
37	53	H	44	TS		04.60	00.00	720	UBH	1	0.57	20	
41	53	H	23	TS		02.40	00.00	720	UBH	5	0.85	20	
43	53	H	25	V3		00.00	00.00	720	UBH	5	1.10	20	
12	54	H	22	TS		01.90	00.00	720	UBH	6	1.88	19	
13	54	H	<20	TS		02.30	00.00	720	UBH	1	0.83	19	
14	54	H	<20	TS		02.70	00.00	720	UBH	1	1.44	19	
15	54	H	<20	TS		01.30	00.00	720	UBH	1	1.45	19	
16	54	H	30	TS		01.10	00.00	720	UBH	1	1.57	19	
17	54	H	32	TS		02.70	00.00	720	2H	1	1.66	39	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	54	H	37	TS		05.90	00.00	720	2H	1	0.95	39	
18	54	H	<20	TS		01.30	00.00	720	UBH	1	1.63	19	
18	54	H	<20	TS		06.20	00.00	720	UBH	1	2.81	19	
18	54	H	<20	TS		10.70	00.00	720	UBH	1	1.52	19	
18	54	H	20	TS		17.20	00.00	720	UBH	1	1.51	19	
20	54	H	<20	TS		05.90	00.00	720	UBH	5	1.51	19	
21	54	H	24	TS		00.60	00.00	720	UBH	1	4.21	19	
21	54	H	<20	TS		05.10	00.00	720	UBH	1	2.12	19	
22	54	H	<20	TS		05.60	00.00	720	UBH	1	2.17	19	
23	54	H	<20	TS		00.20	00.00	720	UBH	1	8.47	19	
23	54	H	38	TS		05.40	00.00	720	UBH	1	3.67	19	
38	54	H	35	TS		03.20	00.00	720	UBH	5	0.83	19	
42	54	H	<20	V3		00.00	00.00	720	UBH	5	0.89	20	
2	55	H	<20	TS		03.00	00.00	720	UBH	1	0.90	36	
4	55	H	<20	TS		04.00	00.00	700	UBH	1	0.74	32	
15	55	H	21	3		00.00	00.00	720	UBH	1	6.16	19	
18	55	H	31	TS		01.00	00.00	720	UBH	1	0.96	19	
18	55	H	<20	TS		05.90	00.00	720	UBH	1	3.52	19	
19	55	H	<20	TS		05.40	00.00	720	UBH	5	1.10	19	
20	55	H	34	TS		05.00	00.00	720	UBH	5	1.42	19	
21	55	H	<20	TS		00.20	00.00	720	UBH	1	1.67	19	
21	55	H	<20	TS		05.00	00.00	720	UBH	1	2.84	19	
22	55	H	24	TS		04.70	00.00	720	UBH	1	2.83	19	

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LISTING OF INDICATIONS FOR TPL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
23	55	H	<20	TS		04.20	00.00	720	UBH	1	2.21	19	
36	55	H	60	TS		02.20	00.00	720	2H	1	6.80	39	
15	56	H	<20	TS		19.90	00.00	720	UBH	1	1.24	19	
19	56	H	<20	TS		00.60	00.00	720	UBH	1	1.76	19	
19	56	H	<20	TS		17.60	00.00	720	UBH	1	1.39	19	
20	56	H	<20	TS		00.60	00.00	720	UBH	1	3.97	19	
20	56	H	24	TS		04.60	00.00	720	UBH	1	1.13	19	
22	56	H	26	TS		03.40	00.00	720	UBH	1	1.15	19	
22	56	H	<20	TS		04.70	00.00	720	UBH	1	1.51	19	
23	56	H	<20	TS		03.10	00.00	720	UBH	1	3.33	19	
26	56	H	<20	TS		01.60	00.00	720	UBH	1	1.09	19	
27	56	H	22	TS		03.20	00.00	720	UBH	1	2.13	19	
28	56	H	<20	TS		00.00	00.00	720	UBH	1	6.35	19	
28	56	H	<20	TS		02.20	00.00	720	UBH	1	1.30	19	
38	56	H	31	TS		02.70	00.00	720	UBH	6	0.95	19	
40	56	H	24	V2		00.00	00.00	720	UBH	3	0.64	19	
42	56	H	<20	2		00.00	00.00	720	UBH	5	0.99	19	
2	57	H	23	TS		02.90	00.00	720	UBH	1	1.20	36	
5	57	H	45	TS		03.20	00.00	700	UBH	1	1.16	32	
11	57	H	<20	TS		01.50	00.00	720	UBH	1	2.47	19	
12	57	H	<20	TS		01.70	00.00	720	UBH	5	1.34	19	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	57	H	<20	TS		00.50	00.00	720	UBH	1	3.20	19	
16	57	H	27	TS		00.50	00.00	720	UBH	1	0.92	19	
16	57	H	<20	TS		01.60	00.00	720	UBH	1	2.10	19	
16	57	H	<20	TS		05.20	00.00	720	UBH	1	1.48	19	
17	57	H	23	TS		00.50	00.00	720	UBH	1	1.21	19	
17	57	H	<20	TS		05.00	00.00	720	UBH	1	3.22	19	
18	57	H	<20	TS		00.50	00.00	720	UBH	1	2.49	19	
19	57	H	44	TS		00.50	00.00	720	UBH	1	0.86	19	
19	57	H	33	TS		04.20	00.00	720	UBH	1	1.65	19	
20	57	H	20	TS		04.20	00.00	720	UBH	1	1.31	19	
20	57	H	<20	TS		05.60	00.00	720	UBH	1	1.40	19	
21	57	H	<20	TS		03.40	00.00	720	UBH	1	1.96	19	
22	57	H	<20	TS		00.50	00.00	720	UBH	1	1.49	19	
22	57	H	24	TS		17.70	00.00	720	UBH	1	1.96	19	
22	57	H	28	TS		18.90	00.00	720	UBH	1	0.92	19	
23	57	H	22	TS		03.50	00.00	720	UBH	1	2.46	19	
24	57	H	22	TS		02.20	00.00	720	UBH	1	1.88	19	
25	57	H	<20	TS		02.50	00.00	720	UBH	5	1.29	19	
26	57	H	<20	TS		02.20	00.00	720	UBH	5	1.20	19	
38	57	H	53	TS		01.50	00.00	720	2H	1	4.08	39	
42	57	H	<20	V3		00.00	00.00	720	UBH	5	0.99	19	
43	57	H	21	V1		00.00	00.00	720	UBH	1	2.02	19	
44	57	H	<20	V3		00.00	00.00	720	UBH	1	2.65	19	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	58	H	32	TS		03.20	00.00	720	UBH	1	2.06	18	
12	58	H	21	TS		02.00	00.00	720	UBH	5	0.70	18	
14	58	H	42	TS		00.00	00.00	720	UBH	5	6.84	18	
16	58	H	23	TS		05.30	00.00	720	UBH	5	1.02	18	
17	58	H	20	TS		00.80	00.00	720	UBH	1	2.29	18	
18	58	H	29	TS		00.80	00.00	720	UBH	1	2.34	18	
18	58	H	30	TS		05.50	00.00	720	UBH	5	0.95	18	
18	58	H	<20	V1		00.00	00.00	720	UBH	5	1.26	18	
18	58	H	30	V2		00.00	00.00	720	UBH	5	1.41	18	
18	58	H	30	V3		00.00	00.00	720	UBH	5	1.48	18	
18	58	H	<20	V4		00.00	00.00	720	UBH	5	2.48	18	
19	58	H	54	TS		00.00	00.00	720	2H	5	2.80	39	
20	58	H	23	TS		03.70	00.00	720	UBH	1	1.76	18	
21	58	H	<20	TS		04.00	00.00	720	UBH	1	2.26	18	
24	58	H	20	TS		02.10	00.00	720	UBH	1	1.92	18	
26	58	H	<20	TS		00.00	00.00	720	UBH	6	7.68	18	
29	58	H	27	TS		00.70	00.00	720	UBH	1	1.05	18	
30	58	H	40	TS		08.90	00.00	720	UBH	1	0.89	18	
35	58	H	<20	TS		00.00	00.00	720	UBH	5	2.64	19	
35	58	H	<20	TS		01.20	00.00	720	UBH	5	0.99	19	
42	58	H	<20	V1		00.00	00.00	720	UBH	5	0.79	19	
42	58	H	<20	V3		00.00	00.00	720	UBH	5	1.15	19	
43	58	H	<20	V1		00.00	00.00	720	UBH	5	2.24	19	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	-----	----	-----
43	58	H	<20	V2		00.00	00.00	720	UBH	5	0.92	19	
43	58	H	<20	V3		00.00	00.00	720	UBH	5	1.56	19	
43	58	H	<20	V4		36.60	00.00	720	UBH	5	1.63	19	
12	59	H	24	TS		08.60	00.00	720	UBH	1	2.04	18	
14	59	H	56	TS		00.00	00.00	720	2H	5	8.80	39	
16	59	H	45	TS		01.00	00.00	720	UBH	5	1.60	18	
16	59	H	21	TS		03.50	00.00	720	UBH	5	0.93	18	
16	59	H	<20	V3		00.00	00.00	720	UBH	5	1.09	18	
17	59	H	24	TS		00.80	00.00	720	UBH	5	1.06	18	
17	59	H	34	TS		05.40	00.00	720	UBH	1	1.32	18	
18	59	H	<20	TS		05.20	00.00	720	UBH	1	1.64	18	
18	59	H	23	V2		00.00	00.00	720	UBH	5	1.07	18	
18	59	H	<20	V3		00.00	00.00	720	UBH	5	1.04	18	
19	59	H	40	TS		00.00	00.00	720	UBH	5	4.92	18	
20	59	H	62	TS		00.00	00.00	720	2H	5	3.81	39	
20	59	H	24	TS		03.40	00.00	720	UBH	1	0.71	18	
22	59	H	38	TS		00.40	00.00	720	UBH	1	1.59	18	
24	59	H	<20	TS		01.70	00.00	720	UBH	1	1.78	18	
25	59	H	24	TS		02.00	00.00	720	UBH	5	0.65	18	
26	59	H	<20	V2		00.00	00.00	720	UBH	5	1.01	18	
26	59	H	23	V3		00.00	00.00	720	UBH	5	1.51	18	
33	59	H	24	TS		02.00	00.00	720	UBH	5	0.93	18	
34	59	H	23	TS		03.00	00.00	720	UBH	5	1.13	18	
13	60	H	49	TS		00.00	00.00	720	2H	5	2.50	39	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
14	60	H	65	TS		00.00	00.00	720	2H	5	3.03	39	
14	60	H	42	TS		00.70	00.00	720	UBH	5	4.52	18	
15	60	H	40	TS		00.80	00.00	720	UBH	5	1.97	18	
17	60	H	20	TS		00.70	00.00	720	UBH	1	1.28	18	
18	60	H	29	TS		00.70	00.00	720	UBH	1	1.58	18	
21	60	H	30	TS		03.20	00.00	720	UBH	1	5.66	18	
22	60	H	28	TS		02.50	00.00	720	UBH	1	1.28	18	
26	60	H	42	TS		00.80	00.00	720	UBH	1	1.82	18	
37	60	H	22	3		51.30	00.00	720	UBH	1	2.94	18	
43	60	H	<20	V3		00.00	00.00	720	UBH	5	1.20	18	
2	61	H	22	TS		01.90	00.00	720	6H	1	0.78	37	
13	61	H	40	TS		00.90	00.00	720	UBH	1	1.07	18	
15	61	H	47	TS		00.00	00.00	720	UBH	5	3.41	18	
15	61	H	36	TS		04.10	00.00	720	UBH	5	1.23	18	
16	61	H	42	TS		00.00	00.00	720	UBH	5	2.36	18	
16	61	H	21	TS		04.00	00.00	720	UBH	1	2.80	18	
19	61	H	33	TS		03.40	00.00	720	UBH	1	1.05	18	
21	61	H	28	TS		02.80	00.00	720	UBH	1	4.45	18	
22	61	H	21	TS		00.60	00.00	720	UBH	1	0.83	18	
33	61	H	<20	TS		02.00	00.00	720	UBH	5	1.05	18	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	62	H	24	TS		02.10	00.00	720	6H	1	0.75	37	
8	62	H	<20	TS		01.40	00.00	700	UBH	1	1.53	32	
12	62	H	<20	TS		00.00	00.00	720	UBH	5	2.09	17	
13	62	H	26	TS		00.00	00.00	720	UBH	5	2.54	17	
14	62	H	37	TS		00.00	00.00	720	UBH	5	3.13	17	
15	62	H	33	TS		00.00	00.00	720	UBH	5	3.53	17	
16	62	H	39	TS		00.00	00.00	720	UBH	5	4.48	17	
17	62	H	23	TS		00.00	00.00	720	UBH	5	2.64	17	
27	62	H	<20	TS		01.60	00.00	720	UBH	1	1.08	18	
34	62	H	<20	TS		01.10	00.00	720	UBH	5	0.69	18	
9	63	H	24	TS		03.80	00.00	700	UBH	5	0.50	32	
10	63	H	26	TS		03.70	00.00	700	UBH	5	0.92	32	
12	63	H	21	TS		00.00	00.00	720	UBH	5	3.63	17	
12	63	H	<20	TS		04.30	00.00	720	UBH	5	0.86	17	
13	63	H	43	TS		00.30	00.00	720	UBH	5	5.01	17	
13	63	H	23	TS		04.90	00.00	720	UBH	5	1.63	17	
14	63	H	30	TS		00.00	00.00	720	UBH	5	3.36	17	
15	63	H	36	TS		00.00	00.00	720	UBH	5	2.01	17	
16	63	H	24	TS		00.00	00.00	720	UBH	5	3.33	17	
20	63	H	37	TS		00.00	00.00	720	UBH	5	4.33	17	

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ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	63	H	52	TS		04.90	00.00	720	2H	1	1.24	39	
37	63	H	<20	V2		00.00	00.00	720	UBH	5	1.18	17	
5	64	H	30	TS		00.60	00.00	700	UBH	1	2.11	32	
7	64	H	21	TS		01.50	00.00	720	UBH	5	0.57	39	
9	64	H	22	TS		03.80	00.00	700	UBH	5	0.49	32	
10	64	H	<20	TS		03.10	00.00	720	UBH	1	2.83	17	
11	64	H	48	TS		00.00	00.00	720	2H	5	2.71	39	
12	64	H	23	TS		00.00	00.00	720	UBH	5	3.24	17	
12	64	H	24	TS		02.90	00.00	720	UBH	5	1.76	17	
13	64	H	37	TS		00.00	00.00	720	UBH	5	3.35	17	
13	64	H	35	TS		03.30	00.00	720	UBH	5	2.05	17	
15	64	H	24	TS		00.00	00.00	720	UBH	5	5.31	17	
16	64	H	<20	TS		00.00	00.00	720	UBH	5	3.58	17	
17	64	H	32	TS		00.00	00.00	720	UBH	5	2.63	17	
17	64	H	<20	TS		02.60	00.00	720	UBH	5	1.77	17	
17	64	H	<20	V3		00.00	00.00	720	UBH	5	1.13	17	
22	64	H	<20	V3		00.00	00.00	720	UBH	5	1.44	17	
24	64	H	74	TS		11.50	00.00	720	2H	1	5.19	39	
37	64	H	<20	4		05.20	00.00	720	UBH	1	3.52	39	
10	65	H	64	TS		00.00	00.00	720	2H	5	4.79	39	
10	65	H	<20	TS		03.90	00.00	720	UBH	5	1.32	17	
11	65	H	62	TS		00.00	00.00	720	2H	5	2.31	39	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	65	H	43	TS		00.00	00.00	720	UBH	5	2.36	17	
12	65	H	<20	TS		01.90	00.00	720	UBH	1	2.52	17	
13	65	H	36	TS		00.00	00.00	720	UBH	5	4.90	17	
13	65	H	33	TS		05.20	00.00	720	UBH	5	2.46	17	
15	65	H	<20	TS		00.00	00.00	720	UBH	5	2.96	17	
19	65	H	<20	V2		00.00	00.00	720	UBH	5	0.88	17	
19	65	H	<20	V3		00.00	00.00	720	UBH	5	0.93	17	
26	65	H	<20	V2		00.00	00.00	720	UBH	5	0.87	17	
26	65	H	<20	V3		00.00	00.00	720	UBH	5	1.06	17	
32	65	H	<20	V2		00.00	00.00	720	UBH	5	0.96	17	
37	65	H	<20	V2		00.00	00.00	720	UBH	5	1.13	17	
38	65	H	<20	V2		00.00	00.00	720	UBH	5	0.67	17	
2	66	H	22	TS		01.30	00.00	720	6H	1	0.55	37	
2	66	H	35	TS		02.20	00.00	720	6H	1	0.70	37	
7	66	H	<20	TS		00.60	00.00	700	UBH	1	2.57	32	
10	66	H	42	TS		03.50	00.00	720	UBH	5	0.84	16	
10	66	H	43	TS		03.50	00.00	700	UBH	5	1.00	32	
11	66	H	39	TS		03.80	00.00	720	UBH	5	1.04	16	
12	66	H	45	TS		01.50	00.00	720	UBH	5	2.01	16	
12	66	H	37	TS		02.70	00.00	720	UBH	5	0.94	16	
14	66	H	55	TS		00.00	00.00	720	2H	5	2.39	39	
16	66	H	<20	TS		03.20	00.00	720	UBH	5	0.85	16	

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LISTING OF INDICATIONS FOR SPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
17	66	H	71	TS		00.00	00.00	720	2H	5	4.27	39	
17	66	H	23	V3		00.00	00.00	720	UBH	5	1.06	16	
19	66	H	<20	V2		00.00	00.00	720	UBH	5	0.88	16	
19	66	H	<20	V3		00.00	00.00	720	UBH	5	1.15	16	
20	66	H	<20	V3		00.00	00.00	720	UBH	5	1.17	16	
23	66	H	<20	V3		00.00	00.00	720	UBH	5	1.26	17	
25	66	H	<20	V3		00.00	00.00	720	UBH	5	0.98	17	
26	66	H	27	TS		01.30	00.00	720	UBH	1	1.62	17	
26	66	H	<20	V3		00.00	00.00	720	UBH	5	1.16	17	
27	66	H	<20	V3		00.00	00.00	720	UBH	5	1.17	17	
33	66	H	<20	V3		00.00	00.00	720	UBH	5	1.31	17	
35	66	H	<20	V3		00.00	00.00	720	UBH	1	1.12	17	
37	66	H	<20	V2		00.00	00.00	720	UBH	5	1.14	17	
11	67	H	57	TS		00.00	00.00	720	2H	5	3.01	39	
16	67	H	<20	TS		00.50	00.00	720	UBH	5	1.20	16	
23	67	H	<20	V3		00.00	00.00	720	UBH	5	0.86	16	
24	67	H	37	V2		00.00	00.00	720	UBH	5	0.76	16	
24	67	H	46	V3		00.00	00.00	720	UBH	5	1.03	16	
36	67	H	27	V2		00.00	00.00	720	UBH	5	1.01	16	
36	67	H	<20	V3		00.00	00.00	720	UBH	5	0.73	16	
38	67	H	20	V1		00.00	00.00	720	UBH	5	1.20	16	

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LISTING OF INDICATIONS FOR SPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
38	67	H	<20	V2		00.00	00.00	720	UBH	5	1.11	16	
38	67	H	<20	V3		00.00	00.00	720	UBH	5	1.27	16	
6	68	H	58	TS		00.00	00.00	700	1H	5	2.92	42	
8	68	H	21	TS		00.40	00.00	700	UBH	1	1.38	32	
17	68	H	29	TS		00.00	00.00	720	UBH	5	1.39	16	
18	68	H	<20	V2		00.00	00.00	720	UBH	5	1.45	16	
18	68	H	<20	V3		00.00	00.00	720	UBH	5	1.72	16	
18	68	H	<20	V4		00.00	00.00	720	UBH	5	1.11	16	
30	68	H	37	V3		00.00	00.00	720	UBH	5	0.74	16	
33	68	H	<20	V2		00.00	00.00	720	UBH	5	0.51	16	
37	68	H	<20	V2		00.00	00.00	720	UBH	5	0.89	16	
37	68	H	<20	V3		00.00	00.00	720	UBH	5	0.69	16	
39	68	H	<20	V2		00.00	00.00	720	UBH	5	0.71	16	
39	68	H	<20	V3		00.00	00.00	720	UBH	5	0.67	16	
40	68	H	<20	V3		00.00	00.00	720	UBH	5	0.87	16	
9	69	H	48	TS		00.00	00.00	720	2H	5	2.38	39	
10	69	H	67	TS		00.00	00.00	720	2H	5	2.70	39	
12	69	H	49	TS		00.00	00.00	720	2H	5	3.73	39	
13	69	H	39	TS		00.00	00.00	720	UBH	5	3.36	16	
15	69	H	<20	TS		00.00	00.00	720	UBH	5	0.99	16	
29	69	H	23	V3		00.00	00.00	720	UBH	1	1.54	16	
5	70	H	29	TS		00.90	00.00	700	UBH	1	1.07	32	

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LISTING OF INDICATIONS FOR SPL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ---	REEL ---	TURNS -----
8	70	H	96	TS		00.00	00.00	720	1H	5	1.96	40	
9	70	H	65	TS		00.30	00.00	720	2H	5	1.63	39	
10	70	H	21	TS		00.00	00.00	720	UBH	5	2.33	15	
12	70	H	44	TS		00.00	00.00	720	UBH	5	5.11	15	
13	70	H	41	TS		00.00	00.00	720	UBH	5	3.38	15	
24	70	H	<20	TS		01.40	00.00	720	UBH	1	1.24	15	
32	70	H	26	V2		00.00	00.00	720	UBH	5	1.08	14	
38	70	H	23	V3		00.00	00.00	720	UBH	5	1.65	16	
2	71	H	33	TS		01.60	00.00	720	6H	1	1.07	37	
2	71	H	37	TS		02.00	00.00	720	6H	1	1.13	37	
9	71	H	75	TS		00.00	00.00	720	2H	5	2.07	39	
10	71	H	25	TS		00.50	00.00	720	UBH	1	1.33	15	
11	71	H	27	TS		00.40	01.40	720	UBH	1	1.94	15	
12	71	H	<20	TS		01.60	00.00	720	UBH	1	2.99	15	
13	71	H	<20	TS		01.20	00.00	720	UBH	1	2.78	15	
14	71	H	<20	TS		07.90	00.00	720	UBH	1	0.87	15	
20	71	H	<20	TS		01.60	00.00	720	UBH	1	0.94	15	
24	71	H	37	TS		01.00	00.00	720	UBH	1	1.65	15	
26	71	H	<20	TS		01.50	00.00	720	UBH	1	1.99	15	
2	72	H	25	TS		01.40	00.00	720	6H	1	1.05	37	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	72	H	24	TS		02.70	00.00	720	6H	1	0.51	37	
6	72	H	23	TS		01.20	00.00	700	UBH	1	2.40	33	
7	72	H	<20	TS		01.80	00.00	700	UBH	1	2.89	33	
8	72	H	<20	TS		01.20	00.00	700	UBH	1	2.42	33	
9	72	H	<20	TS		02.10	00.00	700	UBH	1	1.74	33	
10	72	H	<20	TS		01.40	00.00	720	UBH	1	1.42	15	
12	72	H	<20	TS		01.20	00.00	720	UBH	1	2.26	15	
14	72	H	<20	TS		00.50	00.00	720	UBH	1	1.90	15	
4	73	H	<20	TS		02.70	00.00	700	UBH	1	1.84	33	
6	73	H	<20	TS		00.90	00.00	700	UBH	1	4.00	33	
7	73	H	<20	TS		01.80	00.00	700	UBH	1	2.17	33	
9	73	H	<20	TS		01.80	00.00	700	UBH	1	4.01	33	
12	73	H	32	TS		01.00	00.00	720	UBH	5	0.62	15	
8	74	H	25	TS		00.30	00.00	700	UBH	1	5.18	33	
9	74	H	25	TS		00.00	00.00	700	UBH	5	3.62	33	
10	74	H	38	TS		01.20	00.00	720	UBH	1	3.45	15	
11	74	H	38	TS		00.00	00.00	720	UBH	5	2.01	15	
14	74	H	41	TS		00.00	00.00	720	UBH	5	4.28	15	
17	74	H	<20	TS		05.00	00.00	720	UBH	5	0.66	15	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
19	74	H	<20	V3		00.00	00.00	720	UBH	5	2.17	15	
31	74	H	36	V4		00.00	00.00	720	UBH	3	0.68	15	
7	75	H	42	TS		00.90	00.00	700	UBH	1	2.18	33	
8	75	H	29	TS		00.00	00.00	700	UBH	5	2.26	33	
9	75	H	32	TS		00.00	00.00	700	UBH	5	2.25	33	
9	75	H	48	TS		00.50	00.00	720	TSH	5	2.80	41	
11	75	H	20	TS		00.50	00.00	720	UBH	1	2.21	15	
13	75	H	35	TS		00.00	00.00	720	UBH	5	2.27	15	
19	75	H	38	TS		02.20	00.00	720	UBH	1	1.00	15	
19	75	H	<20	5		00.00	00.00	720	UBH	5	3.74	15	
20	75	H	<20	TS		00.00	00.00	720	UBH	5	1.14	14	
10	76	H	28	TS		00.00	00.00	720	UBH	5	1.88	14	
11	76	H	44	TS		00.00	00.00	720	UBH	5	1.90	14	
11	76	H	<20	TS		08.40	00.00	720	UBH	5	0.70	14	
12	76	H	44	TS		00.00	00.00	720	UBH	5	3.27	14	
12	76	H	<20	TS		05.90	00.00	720	UBH	5	0.96	14	
14	76	H	24	V1		00.00	00.00	720	UBH	5	0.61	14	
24	76	H	<20	V3		00.00	00.00	720	UBH	5	1.11	14	
33	76	H	<20	V3		00.00	00.00	720	UBH	5	0.84	14	
10	77	H	46	TS		00.00	00.00	720	UBH	5	1.31	14	
12	77	H	43	TS		00.00	00.00	720	UBH	5	2.17	14	

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LISTING OF INDICATIONS FOR PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	77	H	26	TS		06.60	00.00	720	UBH	5	0.68	14	
13	77	H	21	V1		00.00	00.00	720	UBH	5	0.96	14	
23	77	H	22	V2		00.00	00.00	720	UBH	5	0.88	14	
24	77	H	<20	V1		00.00	00.00	720	UBH	5	1.34	14	
24	77	H	<20	V2		00.00	00.00	720	UBH	5	1.73	14	
24	77	H	<20	V3		00.00	00.00	720	UBH	5	1.35	14	
25	77	H	30	V1		00.00	00.00	720	UBH	5	0.84	14	
25	77	H	<20	V2		00.00	00.00	720	UBH	5	0.73	14	
25	77	H	<20	V3		00.00	00.00	720	UBH	5	1.15	14	
29	77	H	<20	V1		00.00	00.00	720	UBH	5	1.54	14	
29	77	H	<20	V3		00.00	00.00	720	UBH	5	0.94	14	
31	77	H	42	4		00.00	00.00	720	UBH	5	1.10	14	
32	77	H	<20	V2		00.00	00.00	720	UBH	5	1.02	14	
32	77	H	<20	V3		00.00	00.00	720	UBH	5	1.22	14	
2	78	H	<20	TS		00.50	00.00	720	6H	1	1.47	37	
4	78	H	47	TS		03.10	00.00	720	6H	1	0.87	37	
17	78	H	39	TS		01.30	00.00	720	UBH	5	1.14	14	
22	78	H	<20	TS		00.00	00.00	720	UBH	5	2.02	14	
22	78	H	<20	V2		00.00	00.00	720	UBH	5	1.45	14	
22	78	H	<20	V3		00.00	00.00	720	UBH	5	2.09	14	
24	78	H	<20	V1		00.00	00.00	720	UBH	5	1.15	14	
24	78	H	<20	V2		00.00	00.00	720	UBH	5	1.00	14	
29	78	H	<20	V2		00.00	00.00	720	UBH	5	0.83	14	
31	78	H	44	2		00.00	00.00	720	UBH	5	0.93	14	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
31	78	H	<20	3		00.00	00.00	720	UBH	5	2.49	14	
31	78	H	34	4		00.00	00.00	720	UBH	5	2.06	14	
31	78	H	31	5		01.60	00.00	720	UBH	5	1.84	14	
32	78	H	34	3		00.00	00.00	720	UBH	5	1.01	14	
32	78	H	41	V1		00.00	00.00	720	UBH	5	1.39	14	
32	78	H	<20	V3		00.00	00.00	720	UBH	5	1.32	14	
18	79	H	<20	TS		00.00	00.00	720	UBH	5	0.81	14	
19	79	H	<20	V3		00.00	00.00	720	UBH	5	1.89	14	
24	79	H	<20	V1		00.00	00.00	720	UBH	5	1.13	14	
24	79	H	<20	V2		00.00	00.00	720	UBH	5	0.97	14	
24	79	H	<20	V3		00.00	00.00	720	UBH	5	1.51	14	
30	79	H	<20	3		00.00	00.00	720	UBH	5	1.72	14	
22	80	H	<20	V2		00.00	00.00	720	UBH	5	1.08	14	
24	80	H	<20	V2		00.00	00.00	720	UBH	5	1.41	14	
24	80	H	<20	V3		00.00	00.00	720	UBH	5	1.52	14	
25	80	H	<20	V1		00.00	00.00	720	UBH	5	0.74	14	
25	80	H	<20	V2		00.00	00.00	720	UBH	5	1.58	14	
25	80	H	<20	V3		00.00	00.00	720	UBH	5	1.62	14	
26	80	H	<20	V2		00.00	00.00	720	UBH	5	1.18	14	
26	80	H	<20	V3		00.00	00.00	720	UBH	5	1.61	14	
28	80	H	<20	V1		00.00	00.00	720	UBH	5	0.91	14	
28	80	H	<20	V2		00.00	00.00	720	UBH	5	1.79	14	
28	80	H	26	V3		00.00	00.00	720	UBH	5	1.60	14	
29	80	H	<20	TS		00.00	00.00	720	UBH	5	0.62	14	
29	80	H	<20	V2		00.00	00.00	720	UBH	5	1.09	14	
29	80	H	<20	V3		00.00	00.00	720	UBH	5	0.82	14	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	80	H	40	5		00.50	00.00	720	UBH	5	2.05	14	
30	80	H	<20	V1		00.00	00.00	720	UBH	5	1.70	14	
30	80	H	<20	V2		00.00	00.00	720	UBH	5	1.29	14	
30	80	H	<20	V3		00.00	00.00	720	UBH	5	1.48	14	
30	80	H	<20	V4		00.00	00.00	720	UBH	5	1.45	14	
11	81	H	34	TS		00.60	00.00	720	UBH	5	1.52	13	
13	81	H	34	TS		01.30	00.00	720	UBH	5	0.55	13	
20	81	H	<20	V3		00.00	00.00	720	UBH	5	1.23	13	
22	81	H	<20	V2		00.00	00.00	720	UBH	5	1.86	13	
22	81	H	<20	V3		00.00	00.00	720	UBH	5	1.95	13	
23	81	H	<20	V2		00.00	00.00	720	UBH	5	1.41	13	
23	81	H	<20	V3		00.00	00.00	720	UBH	5	2.25	13	
24	82	H	<20	V2		00.00	00.00	720	UBH	5	2.08	13	
24	82	H	31	V3		00.00	00.00	720	UBH	5	1.84	13	
25	82	H	<20	V1		00.00	00.00	720	UBH	5	1.84	13	
25	82	H	<20	V2		00.00	00.00	720	UBH	5		13	
25	82	H	<20	V3		00.00	00.00	720	UBH	5		13	
26	82	H	<20	V1		00.00	00.00	720	UBH	5	2.71	13	
27	82	H	<20	V3		00.00	00.00	720	UBH	5	2.10	13	
29	82	H	<20	V2		00.00	00.00	720	UBH	5	1.72	13	
17	83	H	<20	V3		00.00	00.00	720	UBH	5	3.43	13	
26	83	H	22	V2		00.00	00.00	720	UBH	5	1.60	13	
26	83	H	29	V3		00.00	00.00	720	UBH	5	2.11	13	
27	83	H	29	V3		00.00	00.00	720	UBH	5	2.86	13	

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LISTING OF INDICATIONS FOR CPL C HOT LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	84	H	<20	V3		00.00	00.00	720	UBH	5	2.04	13	
20	84	H	<20	6		07.30	00.00	720	UBH	5	1.22	13	
22	84	H	36	6		00.00	00.00	720	UBH	5	1.70	13	
24	84	H	<20	V2		00.00	00.00	720	UBH	5	3.91	13	
24	84	H	<20	V3		00.00	00.00	720	UBH	5	3.30	13	
26	84	H	<20	V2		00.00	00.00	720	UBH	5	1.93	13	
26	84	H	<20	V3		00.00	00.00	720	UBH	5	2.68	13	
17	85	H	44	6		04.20	00.00	720	UBH	5	3.20	13	
21	85	H	22	V1		00.00	00.00	720	UBH	5	0.94	13	
21	85	H	29	V2		00.00	00.00	720	UBH	5	1.14	13	
22	85	H	<20	V1		00.00	00.00	720	UBH	5	3.46	13	
22	85	H	<20	V2		00.00	00.00	720	UBH	5	2.45	13	
22	85	H	<20	V3		00.00	00.00	720	UBH	5	3.46	13	
24	85	H	<20	V2		00.00	00.00	720	UBH	5	3.29	13	
24	85	H	<20	V3		00.00	00.00	720	UBH	5	2.24	13	
12	86	H	24	6		02.80	00.00	720	UBH	5	2.08	13	
17	86	H	40	6		03.90	00.00	720	UBH	5	1.68	13	
19	86	H	<20	V2		00.00	00.00	720	UBH	5	2.67	13	
19	86	H	<20	V3		00.00	00.00	720	UBH	5	3.28	13	
20	86	H	<20	V2		00.00	00.00	720	UBH	5	4.67	13	
20	86	H	<20	V3		00.00	00.00	720	UBH	5	4.27	13	
21	86	H	<20	V2		00.00	00.00	720	UBH	5	2.26	13	
21	86	H	24	V3		00.00	00.00	720	UBH	5	1.68	13	
23	86	H	<20	V2		00.00	00.00	720	UBH	5	1.48	13	

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LISTING OF INDICATIONS F PL C HOT LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	86	H	<20	V3		00.00	00.00	720	UBH	5		13	
17	87	H	<20	V4		00.00	00.00	720	UBH	5	1.92	13	
18	87	H	<20	V2		00.00	00.00	720	UBH	5	1.61	13	
18	87	H	<20	V3		00.00	00.00	720	UBH	5	1.67	13	
18	87	H	22	V4		00.00	00.00	720	UBH	5	1.36	13	
20	87	H	<20	V2		00.00	00.00	720	UBH	5		13	
20	87	H	<20	V3		00.00	00.00	720	UBH	5		13	
21	87	H	<20	V3		00.00	00.00	720	UBH	5		13	
18	88	H	<20	5		00.00	00.00	720	UBH	5	2.35	13	
20	88	H	<20	V1		00.00	00.00	720	UBH	1		13	
20	88	H	<20	V2		00.00	00.00	720	UBH	1		13	
4	90	H	<20	6		00.00	00.00	720	UBH	5	1.50	36	
11	90	H	30	1		00.00	00.00	720	UBH	1	2.34	13	
12	90	H	<20	1		01.00	00.00	720	UBH	5	2.13	13	
12	91	H	29	1		00.60	00.00	720	UBH	5	4.70	13	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	2	C	44	1		00.90	00.00	720	6H	5	2.35	1	
9	2	C	24	1		01.30	00.00	720	6H	5	2.40	1	
10	2	C	46	1		00.70	00.00	720	6H	5	5.49	1	
11	2	C	44	1		01.30	00.00	720	6H	5	2.42	1	
12	2	C	32	1		00.00	00.00	720	6H	5	3.03	1	
8	3	C	38	1		00.60	00.00	720	6H	5	1.33	1	
9	3	C	30	1		01.10	00.00	720	6H	5	5.03	1	
10	3	C	32	1		01.00	00.00	720	6H	5	3.63	1	
11	3	C	34	1		01.20	00.00	720	6H	5	3.88	1	
11	3	C	26	2		00.40	00.00	720	6H	5	4.17	1	
11	3	C	27	4		00.30	00.00	720	6H	5	2.70	1	
12	3	C	63	1		00.00	00.00	720	2H	5	3.06	12	
12	3	C	35	1		01.30	00.00	720	6H	5	2.04	1	
13	3	C	38	1		01.90	00.00	720	6H	5	2.51	1	
14	3	C	43	1		00.60	00.00	720	6H	5	4.27	1	
10	4	C	55	1		01.00	00.00	720	3H	5	3.20	12	
11	4	C	43	1		01.00	00.00	720	6H	5	4.21	1	
12	4	C	41	1		01.50	02.00	720	6H	5	1.22	1	
13	4	C	35	1		01.00	00.00	720	6H	5	2.86	1	
14	4	C	40	1		01.00	00.00	720	6H	5	2.35	1	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
2	5	C	35	TS		00.00	00.00	720	6H	5	1.13	1	
4	10	C	24	TS		00.00	00.00	720	1H	5	1.07	1	
2	12	C	<20	TS		01.60	00.00	720	1H	1	1.54	2	
4	12	C	<20	TS		00.50	01.20	720	1H	1	1.84	2	
5	12	C	31	TS		01.30	00.00	720	1H	1	3.47	2	
7	12	C	<20	TS		01.20	00.00	720	1H	1	1.60	2	
30	12	C	37	1		00.00	00.00	720	6H	5	2.51	1	
30	12	C	52	2		00.00	00.00	720	5H	5	4.01	12	
7	13	C	<20	TS		01.10	00.00	720	1H	1	1.17	2	
29	13	C	43	1		00.00	00.00	720	6H	5	3.91	2	
29	13	C	36	2		00.00	00.00	720	6H	5	1.92	2	
29	13	C	33	3		00.00	00.00	720	6H	5	3.98	2	
29	13	C	<20	4		00.00	00.00	720	6H	5	2.05	2	
30	13	C	35	1		00.00	00.00	720	6H	5	6.01	2	
30	13	C	38	2		00.00	00.00	720	6H	5	4.28	2	
30	13	C	28	3		00.00	00.00	720	6H	5	4.96	2	
30	13	C	25	4		00.00	00.00	720	6H	5	6.40	2	
30	13	C	<20	5		00.00	00.00	720	6H	5	3.71	2	
3	14	C	38	TS		00.60	00.00	720	1H	1	2.47	2	
5	14	C	33	TS		01.10	00.00	720	1H	5	1.91	2	
29	14	C	46	1		00.00	00.00	720	6H	5	1.55	2	
29	14	C	<20	3		00.00	00.00	720	6H	5	2.04	2	
29	14	C	21	4		00.30	00.00	720	6H	5	3.41	2	
29	14	C	21	5		00.00	00.00	720	6H	5	2.07	2	
30	14	C	30	1		00.00	00.00	720	6H	5	3.85	2	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	-----	-----	--	--	--	-----	-----	-----
30	14	C	36	2		00.00	00.00	720	6H	5	4.31	2	
30	14	C	27	3		00.00	00.00	720	6H	5	4.74	2	
30	14	C	27	4		00.00	00.00	720	6H	5	6.76	2	
30	14	C	<20	5		00.00	00.00	720	6H	5	4.24	2	
2	15	C	23	TS		01.00	00.00	720	1H	1	1.13	2	
4	15	C	21	TS		02.00	00.00	720	1H	5	2.21	2	
5	15	C	47	TS		00.00	00.00	720	1H	5	5.31	2	
5	15	C	26	TS		01.30	00.00	720	1H	1	2.38	2	
6	15	C	39	TS		01.50	00.00	720	1H	1	2.78	2	
6	15	C	38	TS		03.70	00.00	720	1H	1	2.14	2	
7	15	C	37	TS		01.00	02.00	720	1H	1	2.63	2	
9	15	C	21	TS		02.70	00.00	720	1H	5	2.01	2	
10	15	C	32	TS		00.90	00.00	720	1H	5	0.89	2	
29	15	C	<20	4		00.00	00.00	720	6H	5	2.00	2	
30	15	C	<20	4		00.00	00.00	720	6H	5	3.25	2	
31	15	C	36	1		00.00	00.00	720	6H	5	3.65	2	
31	15	C	39	2		00.00	00.00	720	6H	5	2.60	2	
31	15	C	32	3		00.00	00.00	720	6H	5	3.90	2	
31	15	C	<20	4		00.00	00.00	720	6H	5	6.73	2	
31	15	C	<20	5		00.00	00.00	720	6H	5	2.50	2	
32	15	C	36	1		01.60	00.00	720	6H	5	3.43	2	
32	15	C	21	2		00.00	00.00	720	6H	5	2.67	2	
32	15	C	38	3		00.00	00.00	720	6H	5	4.26	2	
32	15	C	27	4		00.00	00.00	720	6H	5	6.90	2	
32	15	C	25	5		00.00	00.00	720	6H	5	5.40	2	
33	15	C	33	1		00.00	00.00	720	6H	5	3.93	2	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
----	----	----	-----	----	----	-----	-----	---	---	---	-----	----	-----
33	15	C	41	2		00.00	00.00	720	6H	5	4.04	2	
33	15	C	23	3		00.00	00.00	720	6H	5	5.29	2	
33	15	C	25	4		00.00	00.00	720	6H	5	3.95	2	
33	15	C	23	5		00.00	00.00	720	6H	5	4.96	2	
2	16	C	<20	TS		01.00	00.00	720	1H	1	1.69	2	
4	16	C	46	TS		02.60	00.00	720	1H	1	1.54	2	
5	16	C	41	TS		02.20	03.00	720	1H	1	1.40	2	
6	16	C	46	TS		01.00	04.00	720	1H	1	0.86	2	
8	16	C	20	TS		01.40	00.00	720	6H	1	1.25	38	
9	16	C	33	TS		01.00	02.00	720	1H	1	1.93	2	
10	16	C	30	TS		01.90	00.00	720	1H	1	2.74	2	
29	16	C	25	4		00.00	00.00	720	6H	5	2.98	2	
30	16	C	<20	3		00.00	00.00	720	6H	5	1.85	2	
30	16	C	23	4		00.00	00.00	720	6H	5	3.32	2	
31	16	C	38	1		00.00	00.00	720	6H	5	2.49	2	
31	16	C	38	3		00.00	00.00	720	6H	5	2.57	2	
31	16	C	<20	4		00.00	00.00	720	6H	5	1.46	2	
32	16	C	41	1		00.00	00.00	720	6H	5	3.02	2	
33	16	C	42	1		00.00	00.00	720	6H	5	9.42	38	
33	16	C	31	2		00.00	00.00	720	6H	5	5.76	38	
33	16	C	34	3		00.00	00.00	720	6H	5	6.47	38	
33	16	C	39	4		00.00	00.00	720	6H	5	10.53	38	
33	16	C	<20	5		00.00	00.00	720	6H	5	4.00	38	
34	16	C	52	1		00.00	00.00	720	2H	5	2.11	38	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
34	16	C	47	3		00.00	00.00	720	6H	5	2.30	2	
4	17	C	31	TS		02.00	03.00	720	1H	1	1.43	2	
4	17	C	28	TS		05.00	00.00	720	1H	1	1.11	2	
5	17	C	41	TS		02.00	07.80	720	1H	1	0.94	2	
6	17	C	<20	TS		02.00	04.30	720	6H	1	1.30	2	
7	17	C	22	TS		02.00	03.00	720	1H	1	1.15	2	
8	17	C	22	TS		01.70	00.00	720	1H	1	2.15	2	
9	17	C	32	TS		01.00	03.00	720	1H	1	1.64	2	
12	17	C	50	TS		00.70	00.00	720	1H	1	3.01	38	
33	17	C	36	1		00.00	00.00	720	6H	6	8.20	3	
3	18	C	35	TS		01.10	00.00	720	1H	1	1.98	3	
5	18	C	37	TS		02.50	00.00	720	1H	1	1.11	3	
8	18	C	26	TS		03.40	00.00	720	1H	1	2.72	3	
9	18	C	32	TS		03.70	00.00	720	1H	1	2.61	3	
10	18	C	20	TS		02.20	00.00	720	1H	1	3.28	3	
11	18	C	<20	TS		02.00	00.00	720	1H	1	1.62	3	
16	18	C	32	TS		00.60	00.00	720	1H	5	6.98	3	
18	18	C	<20	TS		01.30	00.00	720	1H	5	1.30	3	
4	19	C	<20	TS		02.20	00.00	720	1H	1	1.44	3	
6	19	C	35	TS		00.00	06.00	720	1H	5	1.73	3	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	19	C	35	TS		02.50	04.50	720	1H	1	2.80	3	
11	19	C	40	TS		01.00	06.80	720	1H	1	1.61	3	
12	19	C	32	TS		01.90	00.00	720	1H	1	0.90	3	
13	19	C	35	TS		02.60	00.00	720	1H	1	0.80	3	
15	19	C	34	TS		02.50	00.00	720	1H	1	1.42	3	
24	19	C	25	TS		00.90	00.00	720	1H	1	3.31	3	
26	19	C	<20	TS		00.00	00.00	720	1H	1	1.72	3	
5	20	C	43	TS		00.00	08.00	720	1H	5	1.15	3	
6	20	C	40	TS		00.00	07.00	720	1H	1	2.18	3	
8	20	C	34	TS		00.00	11.00	720	1H	1	2.73	3	
9	20	C	20	TS		00.00	12.00	720	1H	1	2.54	3	
10	20	C	29	TS		00.00	08.50	720	1H	1	1.18	3	
11	20	C	33	TS		00.00	10.50	720	1H	5	0.75	3	
13	20	C	26	TS		00.00	10.00	720	1H	5	1.63	3	
16	20	C	30	TS		02.30	00.00	720	1H	1	1.70	3	
22	20	C	30	TS		01.60	00.00	720	1H	1	1.39	3	
25	20	C	30	TS		00.90	00.00	720	1H	1	2.11	3	
26	20	C	24	TS		00.90	00.00	720	1H	1	3.11	3	
27	20	C	<20	TS		01.20	00.00	720	1H	1	1.73	3	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
5	21	C	33	TS		00.00	10.00	720	1H	1	3.00	38	
6	21	C	28	TS		00.00	11.00	720	6H	1	1.90	3	
7	21	C	30	TS		00.00	10.00	720	1H	1	2.69	3	
8	21	C	37	TS		00.00	10.00	720	1H	1	3.30	3	
9	21	C	45	TS		00.00	09.00	720	1H	1	1.71	3	
12	21	C	34	TS		00.00	11.00	720	1H	1	1.51	3	
18	21	C	21	TS		01.30	00.00	720	6H	1	1.69	3	
19	21	C	30	TS		01.20	00.00	720	1H	1	1.96	3	
26	21	C	22	TS		01.20	00.00	720	6H	1	3.24	3	
7	22	C	97	TS		07.70	00.00	720	1H	5	5.12	38	
8	22	C	47	TS		00.00	10.00	720	1H	1	1.99	3	
10	22	C	47	TS		00.00	10.00	720	1H	1	1.09	3	
12	22	C	52	TS		00.00	12.00	720	1H	1	2.22	38	
13	22	C	44	TS		00.00	14.00	720	1H	1	3.44	3	
27	22	C	22	TS		01.90	00.00	720	1H	1	3.54	3	
28	22	C	34	TS		00.00	04.00	720	1H	1	2.95	3	
6	23	C	<20	TS		04.10	00.00	720	1H	1	3.39	3	
7	23	C	42	TS		06.10	08.20	720	1H	5	1.55	3	
8	23	C	76	TS		03.60	08.10	720	1H	5	7.74	38	

01/09

LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
13	23	C	40	TS		06.40	00.00	720	1H	5	3.87	3	
15	23	C	30	TS		03.20	07.40	720	1H	5	0.92	3	
16	23	C	49	TS		00.60	09.70	720	1H	1	5.19	38	
17	23	C	64	TS		01.20	06.40	720	1H	1	1.82	38	
20	23	C	64	TS		00.40	00.00	720	1H	5	3.48	38	
27	23	C	32	TS		01.60	00.00	720	1H	1	2.86	3	
28	23	C	<20	TS		00.00	00.00	720	1H	5	1.72	3	
28	23	C	29	TS		01.90	00.00	720	1H	1	2.70	3	
29	23	C	<20	TS		01.10	00.00	720	1H	5	1.17	3	
31	23	C	<20	TS		00.60	00.00	720	1H	5	1.02	3	
2	24	C	24	TS		00.60	03.20	720	1H	1	1.06	3	
4	24	C	75	TS		02.20	09.20	720	1H	1	0.88	38	
5	24	C	<20	TS		09.50	00.00	720	1H	1	1.08	3	
7	24	C	45	TS		01.10	09.60	720	1H	1	1.57	3	
8	24	C	43	TS		01.40	08.80	720	1H	1	3.18	3	
11	24	C	66	TS		00.90	11.30	720	1H	5	2.96	38	
12	24	C	52	TS		01.60	11.30	720	1H	1	2.23	38	
13	24	C	55	TS		04.30	11.40	720	1H	1	1.21	38	
14	24	C	39	TS		04.90	09.20	720	1H	1	3.74	3	
16	24	C	29	TS		05.40	09.90	720	1H	1	0.91	3	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS ---	CE ---	CH ---	VOLT ---	REEL ---	TURNS -----
17	24	C	33	TS		01.60	08.80	720	1H	1	1.76	3	
18	24	C	35	TS		00.60	05.80	720	1H	1	2.77	3	
19	24	C	35	TS		01.60	00.00	720	1H	1	2.97	3	
21	24	C	35	TS		00.00	00.00	720	1H	5	12.89	3	
21	24	C	22	TS		01.80	00.00	720	1H	1	2.10	3	
22	24	C	33	TS		01.20	00.00	720	1H	5	2.47	3	
28	24	C	<20	TS		02.10	00.00	720	1H	5	1.21	3	
29	24	C	28	TS		02.90	00.00	720	1H	1	2.27	3	
30	24	C	<20	TS		00.00	00.00	720	1H	5	2.29	3	
31	24	C	<20	TS		00.90	00.00	720	1H	1	1.93	3	
2	25	C	61	TS		00.60	02.50	720	6H	1	2.53	38	
6	25	C	33	TS		06.60	00.00	720	6H	5	1.29	3	
7	25	C	49	TS		06.30	00.00	720	1H	5	1.02	38	
13	25	C	92	TS		10.40	00.00	720	1H	5	1.24	38	
14	25	C	53	TS		07.10	00.00	720	1H	5	1.82	38	
16	25	C	26	TS		07.30	00.00	720	1H	5	1.77	3	
17	25	C	<20	TS		07.80	00.00	720	1H	5	1.08	3	
18	25	C	32	TS		06.80	00.00	720	6H	5	2.16	3	
19	25	C	32	TS		02.10	00.00	720	1H	5	1.04	3	
20	25	C	81	TS		01.50	00.00	720	1H	5	1.04	38	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	25	C	42	TS		01.00	00.00	720	6H	5	2.61	3	
23	25	C	<20	1		00.00	00.00	720	1H	5	7.32	3	
23	25	C	24	1		01.00	00.00	720	1H	5	0.80	3	
25	25	C	<20	1		02.70	00.00	720	1H	5	1.39	3	
26	25	C	<20	TS		02.00	00.00	720	6H	5	0.92	3	
29	25	C	<20	1		01.90	00.00	720	1H	5	1.55	3	
31	25	C	<20	1		01.00	00.00	720	1H	5	1.10	3	
32	25	C	<20	1		00.50	00.00	720	1H	5	2.65	3	
2	26	C	41	TS		01.00	02.00	720	1H	1	1.80	4	
4	26	C	67	TS		03.00	00.00	720	1H	1	1.31	38	
6	26	C	38	TS		08.20	00.00	720	1H	1	0.81	4	
7	26	C	<20	TS		13.50	00.00	720	1H	1	1.67	4	
8	26	C	93	TS		08.00	11.00	720	1H	1	1.89	38	
10	26	C	54	TS		08.00	11.00	720	1H	1	2.09	38	
13	26	C	26	TS		04.00	13.00	720	1H	1	1.14	4	
16	26	C	<20	TS		00.00	04.00	720	1H	1	0.84	4	
17	26	C	41	TS		09.40	10.00	720	1H	1	1.22	4	
19	26	C	32	TS		02.00	06.00	720	1H	1	1.40	4	
21	26	C	48	TS		01.70	00.00	720	TSH	1	3.09	38	
22	26	C	35	TS		02.80	00.00	720	1H	1	2.57	4	

ROW ----	COL ----	LEG ----	INDIC -----	LOC ---	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	26	C	49	TS		01.80	00.00	720	TSH	1	1.20	38	
25	26	C	<20	TS		00.40	00.00	720	1H	1	3.51	4	
26	26	C	34	TS		01.20	03.00	720	1H	1	1.09	4	
27	26	C	<20	TS		02.30	00.00	720	1H	1	1.58	4	
33	26	C	<20	TS		00.70	00.00	720	1H	5	1.79	3	
34	26	C	<20	TS		00.50	00.00	720	1H	5	1.71	3	
2	27	C	31	TS		00.90	00.00	720	1H	1	1.05	4	
5	27	C	<20	TS		01.00	05.00	720	1H	1	1.23	4	
7	27	C	48	TS		11.00	00.00	720	1H	1	1.05	38	
8	27	C	<20	TS		08.10	00.00	720	1H	1	0.90	4	
10	27	C	55	TS		09.00	13.00	720	1H	1	2.03	38	
15	27	C	<20	TS		09.80	00.00	720	1H	1	2.36	4	
15	27	C	21	TS		12.70	00.00	720	1H	1	1.23	4	
16	27	C	26	TS		06.00	08.00	720	1H	1	2.27	4	
17	27	C	41	TS		06.00	08.00	720	1H	1	1.11	4	
18	27	C	41	TS		06.70	10.00	720	1H	1	2.21	4	
19	27	C	32	TS		05.40	00.00	720	1H	1	1.39	4	
22	27	C	31	TS		03.80	05.40	720	1H	1	4.08	4	
23	27	C	<20	TS		03.30	00.00	720	1H	1	3.15	4	
25	27	C	31	TS		01.90	00.00	720	1H	1	2.28	4	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
28	27	C	<20	TS		03.20	00.00	720	1H	5	0.94	4	
31	27	C	<20	TS		02.50	00.00	720	1H	1	2.58	4	
32	27	C	27	TS		00.00	00.00	720	1H	5	5.39	4	
32	27	C	31	TS		03.10	00.00	720	1H	1	2.91	4	
33	27	C	<20	TS		00.00	00.00	720	1H	5	3.81	4	
34	27	C	40	TS		00.00	00.00	720	1H	5	2.85	4	
2	28	C	34	TS		01.30	00.00	720	1H	5	3.30	4	
4	28	C	50	TS		05.40	00.00	720	1H	5	1.59	38	
6	28	C	54	TS		07.40	00.00	720	1H	1	1.49	38	
7	28	C	51	TS		09.00	00.00	720	1H	1	0.94	38	
8	28	C	86	TS		09.50	00.00	720	1H	1	0.82	38	
11	28	C	51	TS		10.30	00.00	720	1H	1	4.20	38	
13	28	C	36	TS		10.00	11.70	720	1H	1	2.88	4	
15	28	C	38	TS		09.90	00.00	720	1H	5	1.25	4	
16	28	C	20	TS		06.60	11.00	720	1H	5	1.01	4	
17	28	C	22	TS		07.30	00.00	720	1H	5	0.80	4	
17	28	C	25	TS		09.50	00.00	720	1H	5	1.60	4	
18	28	C	43	TS		05.00	12.00	720	1H	1	2.65	4	
19	28	C	69	TS		05.20	11.00	720	1H	1	1.83	38	
20	28	C	<20	TS		03.40	00.00	720	1H	1	1.15	4	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	28	C	34	TS		09.30	00.00	720	1H	1	1.05	4	
21	28	C	22	TS		06.30	00.00	720	1H	5	1.25	4	
22	28	C	49	TS		03.00	05.20	720	1H	1	0.91	38	
23	28	C	25	TS		04.30	00.00	720	1H	1	2.36	4	
25	28	C	22	TS		02.30	00.00	720	1H	5	1.68	4	
26	28	C	28	TS		02.70	00.00	720	1H	1	2.34	4	
28	28	C	<20	TS		02.60	00.00	720	1H	1	1.18	4	
31	28	C	26	TS		02.90	00.00	720	1H	1	1.83	4	
32	28	C	25	TS		00.00	00.00	720	1H	5	3.89	4	
32	28	C	23	TS		02.80	00.00	720	1H	1	2.60	4	
33	28	C	<20	TS		01.70	00.00	720	1H	1	1.93	4	
34	28	C	20	TS		00.80	00.00	720	1H	5	1.10	4	
3	29	C	48	TS		00.80	00.00	720	1H	5	2.16	38	
4	29	C	70	TS		02.30	00.00	720	1H	5	2.85	38	
7	29	C	65	TS		08.50	00.00	720	1H	5	1.93	38	
11	29	C	54	TS		11.00	00.00	720	1H	1	2.50	38	
12	29	C	37	TS		12.20	00.00	720	6H	5	2.48	38	
13	29	C	50	TS		11.20	00.00	720	1H	5	2.11	38	
16	29	C	39	TS		06.90	10.20	720	1H	5	1.00	4	
17	29	C	<20	TS		07.60	00.00	720	1H	5	1.16	4	

ROW ----	COL ----	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL -----	TURNS -----
18	29	C	35	TS		07.10	14.50	720	6H	1	3.87	4	
19	29	C	44	TS		07.00	12.00	720	1H	1	1.45	4	
23	29	C	38	TS		04.70	00.00	720	1H	1	1.67	4	
24	29	C	23	TS		04.70	00.00	720	1H	1	1.98	4	
31	29	C	36	TS		00.00	00.00	720	1H	5	3.53	4	
32	29	C	36	TS		00.00	00.00	720	1H	5	3.46	4	
3	30	C	<20	TS		00.90	00.00	720	1H	5	3.67	4	
9	30	C	<20	TS		06.00	00.00	720	1H	5	3.26	4	
10	30	C	<20	TS		10.50	00.00	720	1H	5	2.08	4	
11	30	C	38	TS		10.60	00.00	720	1H	5	2.92	4	
12	30	C	51	TS		11.90	00.00	720	1H	5	2.91	38	
13	30	C	22	TS		10.50	00.00	720	1H	5	2.51	4	
14	30	C	38	TS		11.90	00.00	720	1H	5	2.43	4	
22	30	C	<20	TS		06.90	00.00	720	1H	5	4.50	4	
27	30	C	<20	TS		00.00	00.00	720	1H	5	11.78	4	
31	30	C	34	TS		00.00	00.00	720	1H	5	7.89	4	
32	30	C	40	TS		00.00	00.00	720	1H	5	4.79	4	
9	31	C	25	TS		07.80	00.00	720	1H	5	3.77	4	
10	31	C	27	TS		08.10	00.00	720	1H	5	4.05	4	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	31	C	<20	TS		09.70	00.00	720	1H	5	1.90	4	
11	31	C	36	TS		11.20	00.00	720	1H	5	2.33	4	
12	31	C	34	TS		10.20	00.00	720	1H	5	3.33	4	
13	31	C	30	TS		12.50	00.00	720	1H	5	2.89	4	
14	31	C	34	TS		08.50	13.00	720	1H	5	2.17	4	
15	31	C	25	TS		07.20	12.90	720	2H	5	2.13	4	
16	31	C	<20	TS		11.60	00.00	720	1H	5	1.39	4	
18	31	C	38	TS		06.70	16.70	720	1H	5	2.59	4	
19	31	C	<20	TS		09.10	00.00	720	1H	5	1.85	4	
19	31	C	25	TS		15.30	00.00	720	1H	5	1.89	4	
20	31	C	27	TS		13.70	00.00	720	1H	5	1.32	4	
23	31	C	20	TS		04.80	11.60	720	1H	5	3.32	4	
25	31	C	<20	TS		06.40	00.00	720	1H	5	2.78	4	
31	31	C	34	TS		00.00	00.00	720	1H	5	5.73	4	
32	31	C	47	TS		00.00	00.00	720	1H	5	5.48	4	
4	32	C	67	TS		02.00	00.00	720	1H	5	1.91	38	
7	32	C	45	TS		05.80	00.00	720	1H	5	1.11	4	
8	32	C	45	TS		07.80	00.00	720	1H	5	1.72	4	
9	32	C	34	TS		07.40	00.00	720	1H	5	3.09	4	
10	32	C	53	TS		07.90	00.00	720	1H	5	2.91	38	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
11	32	C	38	TS		07.90	13.60	720	1H	5	2.65	4	
12	32	C	38	TS		07.30	14.30	720	2H	5	3.51	4	
13	32	C	34	TS		11.30	00.00	720	1H	5	4.21	4	
14	32	C	36	TS		11.40	00.00	720	1H	5	3.27	4	
15	32	C	30	TS		12.80	00.00	720	1H	5	2.45	4	
17	32	C	45	TS		11.50	00.00	720	1H	5	2.76	4	
18	32	C	43	TS		09.30	00.00	720	1H	5	2.27	4	
18	32	C	40	TS		12.60	00.00	720	1H	5	1.68	4	
18	32	C	<20	TS		16.80	00.00	720	1H	5	2.30	4	
19	32	C	34	TS		09.60	00.00	720	1H	5	2.89	4	
20	32	C	34	TS		07.40	00.00	720	1H	5	1.85	4	
21	32	C	<20	TS		06.90	11.10	720	1H	5	1.50	4	
22	32	C	42	TS		04.20	12.10	720	1H	5	2.10	4	
23	32	C	43	TS		04.80	12.60	720	1H	5	2.13	4	
23	32	C	<20	TS		05.90	00.00	720	1H	5	1.37	4	
25	32	C	22	TS		04.40	09.30	720	1H	5	2.43	4	
31	32	C	31	TS		00.00	00.00	720	1H	5	3.52	4	
32	32	C	55	TS		00.00	00.00	720	1H	5	4.20	38	
33	32	C	22	TS		00.00	00.00	720	1H	5	8.00	4	
6	33	C	42	TS		05.30	00.00	720	6H	5	1.38	5	
7	33	C	34	TS		05.40	00.00	720	1H	1	4.16	5	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
8	33	C	<20	TS		07.20	00.00	720	1H	5	2.06	5	
9	33	C	<20	TS		08.00	00.00	720	1H	5	2.44	5	
10	33	C	44	TS		07.20	08.50	720	6H	1	3.36	5	
11	33	C	32	TS		11.20	00.00	720	1H	5	3.52	5	
12	33	C	42	TS		11.50	00.00	720	1H	5	2.53	5	
13	33	C	32	TS		12.00	00.00	720	1H	5	2.55	5	
14	33	C	39	TS		13.20	00.00	720	6H	1	2.07	5	
17	33	C	30	TS		12.20	00.00	720	1H	5	2.01	5	
18	33	C	46	TS		12.40	00.00	720	6H	5	1.25	5	
19	33	C	40	TS		12.50	00.00	720	1H	5	0.92	5	
22	33	C	<20	TS		08.00	00.00	720	6H	5	1.52	5	
23	33	C	<20	TS		13.20	00.00	720	1H	5	1.78	5	
26	33	C	45	TS		07.00	00.00	720	6H	1	2.31	5	
27	33	C	<20	TS		06.80	00.00	720	1H	5	2.01	5	
32	33	C	34	TS		00.00	00.00	720	1H	5	3.23	5	
34	33	C	35	TS		00.00	00.00	720	6H	5	3.50	5	
36	33	C	<20	TS		04.40	00.00	720	1H	5	1.27	5	
5	34	C	46	TS		03.00	00.00	720	1H	5	1.68	5	
8	34	C	38	TS		00.00	08.00	720	1H	5	0.71	5	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	34	C	27	TS		00.00	10.00	720	1H	5	3.59	5	
10	34	C	34	TS		15.70	00.00	720	1H	5	0.82	5	
11	34	C	29	TS		00.00	10.00	720	1H	5	1.84	5	
12	34	C	25	TS		00.00	06.00	720	1H	5	3.71	5	
13	34	C	27	TS		00.00	13.00	720	1H	5	3.05	5	
14	34	C	25	TS		00.00	10.00	720	1H	5	2.64	5	
18	34	C	23	TS		00.00	00.00	720	1H	5	2.03	5	
22	34	C	32	TS		06.90	00.00	720	1H	1	2.44	5	
38	34	C	<20	TS		01.70	00.00	720	1H	1	2.63	5	
5	35	C	46	TS		02.70	00.00	720	1H	5	0.74	5	
6	35	C	39	TS		05.10	00.00	720	1H	1	0.77	5	
7	35	C	38	TS		00.00	06.00	720	1H	5	1.14	5	
9	35	C	22	TS		07.70	00.00	720	1H	5	2.65	5	
11	35	C	37	TS		12.30	00.00	720	1H	5	1.17	5	
12	35	C	29	TS		00.00	10.00	720	1H	5	2.75	5	
13	35	C	25	TS		00.00	05.00	720	1H	5	3.01	5	
17	35	C	25	TS		11.80	00.00	720	1H	5	0.61	5	
19	35	C	<20	TS		09.90	00.00	720	1H	5	2.02	5	
22	35	C	27	TS		11.20	00.00	720	1H	5	2.48	5	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
23	35	C	22	TS		12.00	00.00	720	1H	5	1.27	5	
24	35	C	23	TS		00.00	08.00	720	1H	5	1.34	5	
25	35	C	27	TS		00.00	08.00	720	1H	5	1.73	5	
26	35	C	20	TS		00.00	07.00	720	1H	5	1.89	5	
32	35	C	20	TS		02.00	00.00	720	1H	5	1.61	5	
34	35	C	20	TS		00.50	00.00	720	1H	5	6.58	5	
35	35	C	<20	TS		00.90	00.00	720	1H	5	3.27	5	
36	35	C	<20	TS		00.00	00.00	720	1H	5	3.34	5	
39	35	C	<20	TS		01.30	00.00	720	6H	1	2.06	5	
40	35	C	<20	TS		00.60	00.00	720	6H	5	1.45	5	
2	36	C	44	TS		00.00	10.60	720	1H	5	0.89	5	
5	36	C	35	TS		00.00	10.80	720	1H	1	0.70	5	
9	36	C	46	TS		00.00	10.00	720	1H	1	1.16	5	
10	36	C	44	TS		00.00	12.00	720	1H	5	1.18	5	
11	36	C	25	TS		00.00	10.00	720	1H	5	1.38	5	
13	36	C	30	TS		00.00	12.00	720	1H	1	3.35	5	
15	36	C	42	TS		11.40	00.00	720	1H	1	3.58	5	
18	36	C	32	TS		00.00	10.00	720	2H	1	4.49	5	
19	36	C	29	TS		00.00	11.00	720	1H	1	4.06	5	

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LISTING OF INDICATIONS FOR CPL C. COLO LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
24	36	C	24	TS		00.00	11.00	720	1H	1	2.44	5	
25	36	C	33	TS		00.00	08.00	720	1H	1	2.40	5	
26	36	C	22	TS		06.30	00.00	720	1H	5	2.26	5	
27	36	C	29	TS		03.90	00.00	720	1H	5	1.34	5	
31	36	C	39	TS		02.30	00.00	720	1H	1	2.21	5	
32	36	C	30	TS		02.00	00.00	720	1H	1	2.20	5	
33	36	C	25	TS		00.90	00.00	720	1H	5	1.39	5	
35	36	C	27	TS		01.40	00.00	720	1H	5	0.98	5	
37	36	C	30	TS		04.60	00.00	720	1H	5	1.94	5	
38	36	C	28	TS		02.30	00.00	720	1H	1	2.20	5	
42	36	C	38	1		00.60	00.00	720	6H	5	6.82	5	
42	36	C	<20	3		01.00	00.00	720	6H	5	3.14	5	
43	36	C	49	1		00.70	00.00	720	2H	5	9.42	38	
43	36	C	23	1		51.90	00.00	720	6H	5	3.96	5	
43	36	C	<20	3		00.00	00.00	720	6H	5	4.66	5	
43	36	C	25	4		00.00	00.00	720	6H	5	6.39	5	
43	36	C	<20	5		01.00	00.00	720	6H	5	3.47	5	
44	36	C	55	1		00.70	00.00	720	2H	1	6.38	38	
44	36	C	32	2		00.00	00.00	720	6H	5	4.56	5	
44	36	C	<20	3		00.50	00.00	720	6H	5	3.88	5	
44	36	C	<20	4		00.00	00.00	720	6H	5	6.09	5	
13	37	C	26	TS		00.00	10.00	720	1H	1	2.20	5	
17	37	C	29	TS		09.80	00.00	720	2H	1	2.58	38	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
20	37	C	20	TS		00.00	12.00	720	1H	1	1.91	5	
22	37	C	42	TS		00.00	09.00	720	6H	1	2.51	5	
25	37	C	40	TS		08.90	00.00	720	1H	1	1.84	5	
26	37	C	25	TS		08.20	00.00	720	6H	1	3.40	5	
27	37	C	39	TS		04.40	00.00	720	1H	1	2.70	5	
32	37	C	29	TS		01.60	00.00	720	1H	1	2.16	5	
33	37	C	<20	TS		01.10	00.00	720	1H	1	1.64	5	
36	37	C	33	TS		03.40	00.00	720	1H	1	0.83	5	
37	37	C	<20	TS		04.50	00.00	720	1H	5	2.77	5	
38	37	C	<20	TS		03.30	00.00	720	6H	5	1.69	5	
40	37	C	<20	TS		00.80	00.00	720	6H	5	1.50	5	
43	37	C	<20	2		00.00	00.00	720	6H	5	5.50	5	
44	37	C	58	1		01.00	00.00	720	2H	5	4.86	38	
44	37	C	30	2		01.00	00.00	720	6H	5	4.83	5	
44	37	C	<20	3		01.00	00.00	720	6H	5	3.42	5	
44	37	C	<20	4		01.00	00.00	720	6H	5	5.57	5	
44	37	C	<20	5		01.30	00.00	720	6H	5	3.05	5	
2	38	C	20	TS		01.00	02.00	720	1H	1	4.41	5	
5	38	C	<20	TS		02.70	00.00	720	1H	1	1.55	5	
6	38	C	26	TS		09.50	00.00	720	1H	1	0.47	5	
8	38	C	<20	TS		07.40	00.00	720	1H	1	1.77	5	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	38	C	41	TS		08.20	00.00	720	1H	1	3.90	5	
12	38	C	22	TS		08.70	00.00	720	1H	1	2.43	5	
17	38	C	20	TS		09.70	00.00	720	1H	1	3.00	5	
21	38	C	37	TS		07.50	00.00	720	1H	1	1.38	5	
24	38	C	30	TS		10.20	00.00	720	1H	1	3.42	5	
25	38	C	23	TS		09.00	00.00	720	1H	5	2.60	5	
26	38	C	20	TS		00.00	00.00	720	1H	1	10.69	5	
29	38	C	40	TS		02.60	00.00	720	1H	5	4.31	5	
33	38	C	28	TS		01.30	00.00	720	1H	1	1.38	5	
35	38	C	22	TS		00.60	00.00	720	1H	5	4.86	5	
36	38	C	28	TS		03.00	00.00	720	1H	1	0.67	5	
38	38	C	<20	TS		02.00	00.00	720	1H	1	2.00	5	
39	38	C	29	TS		01.60	00.00	720	6H	1	1.23	5	
40	38	C	<20	TS		02.60	00.00	720	6H	1	1.66	5	
43	38	C	<20	1		00.00	00.00	720	6H	5	3.75	5	
44	38	C	50	1		01.00	00.00	720	2H	5	2.59	38	
2	39	C	35	TS		01.90	00.00	720	1H	1	4.24	5	
3	39	C	<20	TS		02.10	00.00	720	1H	5	2.41	5	
4	39	C	29	TS		02.10	00.00	720	1H	1	1.74	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	39	C	55	TS		03.10	00.00	720	1H	5	0.73	38	
5	39	C	30	TS		02.50	00.00	720	1H	1	1.43	5	
6	39	C	44	TS		02.20	00.00	720	1H	5	0.67	5	
6	39	C	29	TS		07.60	00.00	720	1H	1	0.98	5	
7	39	C	<20	TS		01.00	00.00	720	1H	1	4.56	5	
7	39	C	46	TS		06.00	10.00	720	1H	1	0.57	5	
8	39	C	29	TS		09.20	00.00	720	1H	1	2.12	38	
10	39	C	22	TS		09.30	00.00	720	1H	1	1.81	5	
11	39	C	28	TS		07.80	00.00	720	1H	1	2.21	5	
12	39	C	<20	TS		06.00	07.00	720	1H	1	2.70	5	
20	39	C	41	TS		09.00	00.00	720	1H	1	2.85	5	
21	39	C	28	TS		07.00	00.00	720	1H	1	1.90	5	
21	39	C	42	TS		08.30	00.00	720	1H	1	1.14	5	
22	39	C	32	TS		06.80	00.00	720	1H	1	3.32	5	
22	39	C	43	TS		07.40	00.00	720	1H	1	2.13	5	
25	39	C	45	TS		09.20	10.80	720	1H	1	1.65	5	
26	39	C	<20	TS		00.00	00.00	720	1H	5	8.46	5	
26	39	C	51	TS		04.70	09.50	720	1H	1	1.56	38	
27	39	C	41	TS		03.90	08.30	720	1H	1	3.62	5	
28	39	C	32	TS		02.80	00.00	720	1H	1	0.94	5	
30	39	C	33	TS		02.50	00.00	720	1H	1	1.91	5	
31	39	C	36	TS		02.50	00.00	720	1H	1	1.84	5	

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LISTING OF INDICATIONS FOR CPL C. COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
36	39	C	<20	TS		00.00	00.00	720	1H	5	4.61	5	
37	39	C	22	TS		00.00	00.00	720	1H	5	8.41	5	
37	39	C	<20	TS		03.00	00.00	720	1H	1	2.63	5	
38	39	C	<20	TS		03.80	00.00	720	1H	1	1.52	5	
39	39	C	<20	TS		01.20	00.00	720	6H	1	1.52	5	
40	39	C	<20	TS		01.50	00.00	720	4H	5	0.90	38	
41	39	C	22	3		00.00	00.00	720	6H	5	3.66	5	
2	40	C	24	TS		02.00	00.00	720	1H	5	2.28	6	
3	40	C	22	TS		03.00	00.00	720	1H	5	2.28	6	
4	40	C	44	TS		02.60	00.00	720	1H	5	2.29	6	
9	40	C	30	TS		10.00	00.00	720	1H	5	2.16	6	
11	40	C	22	TS		00.00	00.00	720	1H	5	0.81	6	
18	40	C	<20	TS		09.30	00.00	720	1H	5	2.43	6	
18	40	C	<20	TS		11.00	00.00	720	1H	5	1.80	6	
19	40	C	30	TS		09.30	00.00	720	1H	5	2.35	6	
20	40	C	<20	TS		08.70	00.00	720	1H	5	1.44	6	
21	40	C	<20	TS		08.70	00.00	720	1H	5	2.14	6	
22	40	C	28	TS		06.00	09.00	720	1H	5	2.48	6	
24	40	C	28	TS		00.00	00.00	720	1H	5	3.48	6	
24	40	C	<20	TS		02.00	00.00	720	1H	5	2.91	6	
28	40	C	36	TS		03.40	00.00	720	1H	5	3.44	6	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
32	40	C	42	TS		02.30	00.00	720	1H	5	2.71	6	
33	40	C	22	TS		01.60	00.00	720	1H	5	1.55	6	
34	40	C	52	TS		00.00	00.00	720	1H	5	4.51	38	
38	40	C	39	TS		00.10	00.00	720	1H	5	1.97	6	
41	40	C	67	2		00.00	00.00	720	3H	5	0.91	38	
45	40	C	<20	2		00.00	00.00	720	3H	5	1.80	6	
45	40	C	22	3		00.00	00.00	720	3H	5	1.62	6	
45	40	C	<20	4		00.00	00.00	720	3H	5	2.06	6	
2	41	C	37	TS		02.00	00.00	720	6H	5	2.55	6	
3	41	C	22	TS		02.30	00.00	720	1H	5	2.17	6	
4	41	C	39	TS		03.30	00.00	720	1H	5	2.28	6	
6	41	C	<20	TS		01.60	00.00	720	6H	5	1.97	6	
12	41	C	36	TS		09.70	00.00	720	1H	5	0.96	6	
17	41	C	<20	TS		09.30	00.00	720	1H	5	3.52	6	
18	41	C	<20	TS		09.00	00.00	720	6H	5	2.13	6	
18	41	C	<20	TS		31.10	00.00	720	6H	5	0.93	6	
19	41	C	30	TS		08.30	00.00	720	1H	5	3.06	6	
19	41	C	24	TS		09.90	00.00	720	1H	5	2.47	6	
22	41	C	26	TS		08.00	00.00	720	6H	5	2.69	6	
23	41	C	<20	TS		00.00	00.00	720	1H	5	5.10	6	
23	41	C	22	TS		06.70	00.00	720	1H	5	2.02	6	
24	41	C	<20	TS		00.00	00.00	720	1H	5	3.03	6	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	----	---	---	----	----	---	---	---	----	----	-----
24	41	C	<20	TS		01.30	00.00	720	1H	5	1.92	6	
24	41	C	<20	TS		03.60	00.00	720	1H	5	1.77	6	
25	41	C	34	TS		00.30	00.00	720	1H	5	6.02	6	
27	41	C	34	TS		04.30	00.00	720	1H	5	2.66	6	
27	41	C	32	TS		09.00	00.00	720	1H	5	1.59	6	
28	41	C	<20	TS		00.00	00.00	720	1H	5	6.20	6	
28	41	C	<20	TS		03.60	00.00	720	1H	5	2.50	6	
29	41	C	42	TS		03.30	00.00	720	1H	5	3.06	6	
32	41	C	56	TS		02.40	00.00	720	1H	5	1.52	38	
33	41	C	42	TS		02.60	00.00	720	1H	5	1.13	6	
34	41	C	62	TS		00.00	00.00	720	1H	5	3.36	38	
35	41	C	66	TS		00.00	00.00	720	1H	5	4.09	38	
2	42	C	<20	TS		01.30	00.00	720	1H	5	3.59	6	
2	42	C	26	TS		03.30	00.00	720	1H	5	2.30	6	
6	42	C	<20	TS		02.60	00.00	720	1H	5	1.34	6	
14	42	C	<20	TS		09.70	00.00	720	1H	5	1.58	6	
14	42	C	<20	TS		20.40	00.00	720	1H	5	0.62	6	
15	42	C	<20	TS		08.70	00.00	720	1H	5	1.43	6	
16	42	C	<20	TS		09.00	00.00	720	1H	5	1.16	6	
18	42	C	36	TS		08.70	00.00	720	2H	5	3.18	6	
21	42	C	<20	TS		08.00	00.00	720	1H	5	2.73	6	
22	42	C	<20	TS		07.00	00.00	720	1H	5	1.79	6	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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22	42	C	<20	TS		15.40	00.00	720	1H	5	1.79	6	
23	42	C	<20	TS		00.00	00.00	720	1H	5	5.58	6	
24	42	C	<20	TS		00.00	00.00	720	1H	5	2.76	6	
25	42	C	<20	TS		00.00	00.00	720	1H	5	4.27	6	
25	42	C	34	TS		11.00	00.00	720	1H	5	1.67	6	
29	42	C	28	TS		03.60	00.00	720	1H	5	1.47	6	
31	42	C	<20	TS		00.00	00.00	720	1H	5	6.63	6	
32	42	C	42	TS		02.30	00.00	720	1H	5	2.27	6	
33	42	C	<20	TS		02.00	00.00	720	1H	5	1.10	6	
37	42	C	33	TS		00.00	00.00	720	6H	5	2.57	38	
2	43	C	34	TS		01.20	00.00	720	1H	5	3.84	6	
2	43	C	36	TS		02.00	00.00	720	1H	5	4.47	6	
2	43	C	55	TS		03.00	00.00	720	1H	5	3.48	38	
9	43	C	28	TS		09.70	00.00	720	1H	5	1.40	6	
10	43	C	39	TS		10.00	00.00	720	1H	5	1.47	6	
10	43	C	32	TS		16.00	00.00	720	1H	5	1.68	6	
12	43	C	93	TS		08.90	00.00	720	1H	5	2.22	38	
17	43	C	<20	TS		09.00	00.00	720	1H	5	2.09	6	
18	43	C	<20	TS		09.70	00.00	720	1H	5	1.95	6	
19	43	C	<20	TS		09.00	00.00	720	1H	5	1.94	6	
20	43	C	34	TS		09.70	00.00	720	1H	5	3.19	6	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
21	43	C	26	TS		09.00	00.00	720	1H	5	3.44	6	
22	43	C	<20	TS		00.00	00.00	720	1H	5	2.75	6	
22	43	C	37	TS		08.60	00.00	720	1H	5	2.37	6	
23	43	C	<20	TS		00.00	00.00	720	1H	5	5.08	6	
24	43	C	<20	TS		00.00	00.00	720	1H	5	3.48	6	
25	43	C	<20	TS		00.00	00.00	720	1H	5	3.96	6	
25	43	C	36	TS		10.70	00.00	720	1H	5	1.51	6	
27	43	C	28	TS		04.30	00.00	720	1H	5	3.21	6	
28	43	C	<20	TS		05.00	00.00	720	1H	5	2.03	6	
29	43	C	30	TS		03.30	00.00	720	1H	5	1.64	6	
30	43	C	30	TS		02.60	00.00	720	1H	5	1.58	6	
32	43	C	36	TS		02.30	00.00	720	1H	5	2.38	6	
34	43	C	80	TS		00.00	00.00	720	1H	5	4.56	38	
34	43	C	30	TS		06.50	00.00	720	1H	5	1.17	6	
35	43	C	61	TS		00.00	00.00	720	1H	5	3.95	38	
35	43	C	<20	TS		03.50	00.00	720	1H	5	1.36	6	
36	43	C	<20	TS		00.00	00.00	720	1H	5	8.07	6	
37	43	C	47	TS		00.00	00.00	720	1H	5	3.21	6	
2	44	C	22	TS		01.30	00.00	720	1H	5	4.22	6	
2	44	C	32	TS		03.00	00.00	720	1H	5	4.49	6	
4	44	C	<20	TS		02.00	00.00	720	1H	5	1.65	6	
7	44	C	98	TS		09.10	00.00	720	1H	5	3.00	38	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	44	C	24	TS		09.90	00.00	720	1H	5	1.86	6	
14	44	C	<20	TS		05.20	00.00	720	1H	5	1.57	6	
15	44	C	34	TS		09.70	00.00	720	1H	5	1.75	6	
17	44	C	<20	TS		09.40	00.00	720	1H	5	1.66	6	
18	44	C	22	TS		07.70	00.00	720	1H	5	1.92	6	
19	44	C	37	TS		07.30	00.00	720	1H	5	3.04	6	
20	44	C	24	TS		08.70	00.00	720	1H	5	3.74	6	
21	44	C	<20	TS		08.20	00.00	720	1H	5	2.13	6	
22	44	C	<20	TS		00.00	00.00	720	1H	5	1.98	6	
22	44	C	22	TS		07.70	00.00	720	1H	5	2.70	6	
22	44	C	32	TS		14.80	00.00	720	1H	5	1.62	6	
23	44	C	<20	TS		00.00	00.00	720	1H	5	3.13	6	
24	44	C	50	TS		00.00	00.00	720	1H	5	4.09	38	
25	44	C	36	TS		00.00	00.00	720	1H	5	3.84	6	
25	44	C	<20	TS		11.00	00.00	720	1H	5	1.43	6	
27	44	C	32	TS		06.70	00.00	720	1H	5	1.27	6	
31	44	C	52	TS		02.60	00.00	720	1H	5	1.46	38	
32	44	C	41	TS		02.60	00.00	720	1H	5	2.22	6	
34	44	C	90	TS		00.00	00.00	720	1H	5	2.88	38	
35	44	C	80	TS		00.00	00.00	720	1H	5	5.03	38	
2	45	C	34	TS		02.00	00.00	720	6H	5	2.59	6	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
8	45	C	35	TS		11.80	00.00	720	1H	1	1.26	6	
9	45	C	32	TS		15.30	00.00	720	1H	1	1.39	6	
10	45	C	22	TS		15.70	00.00	720	6H	5	0.68	6	
12	45	C	53	TS		10.40	00.00	720	1H	1	1.81	38	
14	45	C	<20	TS		09.80	00.00	720	6H	5	2.16	6	
15	45	C	38	TS		09.00	11.00	720	1H	1	1.18	6	
16	45	C	<20	TS		10.20	00.00	720	1H	1	1.77	6	
18	45	C	51	TS		08.50	00.00	720	1H	1	3.86	38	
20	45	C	32	TS		06.20	09.80	720	1H	1	3.15	6	
21	45	C	34	TS		06.50	09.50	720	1H	1	1.11	6	
22	45	C	31	TS		06.00	08.60	720	6H	1	4.60	6	
24	45	C	26	TS		00.00	00.00	720	1H	5	4.18	6	
24	45	C	43	TS		12.10	00.00	720	1H	1	2.32	6	
25	45	C	34	TS		00.00	00.00	720	1H	5	4.83	6	
25	45	C	35	TS		10.20	00.00	720	1H	1	1.50	6	
27	45	C	32	TS		00.00	00.00	720	1H	5	9.11	6	
27	45	C	28	TS		08.60	00.00	720	1H	1	1.58	6	
33	45	C	55	TS		00.00	00.00	720	1H	5	2.90	38	
2	46	C	36	TS		00.00	05.00	720	1H	1	1.70	6	
7	46	C	47	TS		08.40	00.00	720	1H	1	1.35	6	
8	46	C	31	TS		10.70	00.00	720	1H	1	3.60	6	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
9	46	C	26	TS		13.50	00.00	720	1H	5	1.17	6	
13	46	C	<20	TS		10.20	00.00	720	1H	1	1.87	6	
14	46	C	25	TS		09.00	10.00	720	1H	1	4.47	6	
15	46	C	33	TS		09.00	10.60	720	1H	1	2.49	6	
18	46	C	45	TS		07.00	10.00	720	1H	1	5.28	6	
20	46	C	36	TS		07.80	10.00	720	1H	1	1.22	6	
22	46	C	31	TS		04.00	09.10	720	1H	1	6.09	6	
23	46	C	<20	TS		07.20	00.00	720	1H	5	1.05	6	
25	46	C	43	TS		00.50	00.00	720	1H	1	1.35	6	
25	46	C	20	TS		10.10	00.00	720	1H	1	1.79	6	
26	46	C	25	TS		00.00	10.00	720	1H	1	1.80	6	
27	46	C	46	TS		00.00	10.00	720	1H	1	2.23	6	
31	46	C	22	TS		07.00	00.00	720	1H	5	1.34	6	
32	46	C	21	TS		00.00	03.00	720	1H	1	1.45	6	
33	46	C	26	TS		00.00	06.80	720	1H	1	1.44	6	
33	46	C	68	TS		00.00	00.00	720	1H	5	2.96	38	
34	46	C	32	TS		00.00	06.00	720	2H	1	1.09	6	
36	46	C	26	TS		00.00	00.00	720	1H	5	3.64	6	
39	46	C	42	TS		00.00	00.00	720	1H	5	1.09	6	
3	47	C	36	TS		01.90	00.00	720	1H	1	0.91	41	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
3	47	C	<20	TS		02.80	00.00	720	1H	1	4.16	41	
3	47	C	<20	TS		04.10	00.00	720	1H	1	6.07	41	
9	47	C	28	TS		10.20	17.30	720	1H	1	1.25	7	
12	47	C	64	TS		10.10	00.00	720	1H	5	3.42	38	
14	47	C	24	TS		05.20	00.00	720	1H	5	1.36	7	
15	47	C	43	TS		07.80	10.80	720	1H	1	4.67	7	
16	47	C	32	TS		10.50	00.00	720	1H	1	1.13	7	
17	47	C	43	TS		07.70	11.40	720	1H	5	3.00	7	
18	47	C	26	TS		09.30	11.00	720	1H	1	4.14	7	
19	47	C	38	TS		08.10	10.70	720	1H	5	1.29	7	
21	47	C	34	TS		08.20	10.20	720	1H	5	1.21	7	
23	47	C	33	TS		00.00	00.00	720	1H	5	2.43	7	
23	47	C	40	TS		07.30	09.90	720	1H	1	1.15	7	
24	47	C	33	TS		00.00	00.00	720	1H	5	3.71	7	
24	47	C	29	TS		00.60	00.00	720	1H	1	1.60	7	
24	47	C	30	TS		06.80	13.10	720	1H	5	0.56	7	
25	47	C	24	TS		00.00	00.00	720	1H	5	3.92	7	
25	47	C	41	TS		07.00	12.40	720	1H	5	0.94	7	
26	47	C	35	TS		06.00	11.80	720	1H	5	1.13	7	
27	47	C	41	TS		05.00	10.70	720	1H	5	1.55	7	
32	47	C	61	TS		00.00	00.00	720	1H	5	1.42	38	
32	47	C	<20	TS		01.20	00.00	720	1H	5	0.77	7	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
32	47	C	24	TS		02.20	00.00	720	1H	5	0.89	7	
33	47	C	35	TS		01.00	00.00	720	1H	1	1.05	7	
34	47	C	28	TS		01.70	05.30	720	1H	5	0.70	7	
35	47	C	21	TS		05.30	00.00	720	1H	1	0.98	7	
44	47	C	61	I		00.00	00.00	720	2H	5	4.78	41	
2	48	C	43	TS		00.60	02.30	720	1H	5	1.52	7	
3	48	C	<20	TS		02.20	05.20	720	1H	5	0.78	7	
4	48	C	39	TS		01.60	07.70	720	1H	1	0.61	7	
6	48	C	21	TS		05.60	00.00	720	1H	5	3.41	7	
7	48	C	22	TS		10.00	00.00	720	1H	1	1.12	7	
9	48	C	40	TS		09.10	00.00	720	2H	1	3.27	38	
11	48	C	27	TS		09.00	00.00	720	1H	1	1.05	7	
12	48	C	68	TS		00.50	10.30	720	1H	5	1.23	38	
17	48	C	<20	TS		10.70	00.00	720	1H	5	1.12	7	
18	48	C	38	TS		09.30	10.70	720	1H	5	1.44	7	
19	48	C	41	TS		07.50	12.90	720	1H	5	0.88	7	
21	48	C	47	TS		07.60	09.70	720	1H	5	0.64	7	
22	48	C	40	TS		01.10	10.80	720	1H	5	3.54	7	
23	48	C	47	TS		00.70	09.10	720	1H	1	1.09	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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24	48	C	28	TS		01.60	13.00	720	1H	5	1.17	7	
25	48	C	37	TS		01.90	11.30	720	1H	1	1.98	7	
26	48	C	42	TS		02.50	11.00	720	1H	1	1.98	7	
28	48	C	<20	TS		06.10	00.00	720	1H	1	1.84	7	
31	48	C	46	TS		02.00	00.00	720	6H	1	1.04	7	
31	48	C	27	TS		03.00	00.00	720	6H	5	1.04	7	
33	48	C	34	TS		01.90	07.10	720	6H	5	0.98	7	
34	48	C	39	TS		01.40	05.20	720	6H	1	1.01	7	
2	49	C	74	TS		00.00	01.80	720	1H	5	2.26	38	
3	49	C	31	TS		01.20	03.60	720	1H	5	0.81	7	
6	49	C	24	TS		10.70	00.00	720	6H	5	1.11	7	
8	49	C	37	1		10.10	00.00	720	1H	1	1.20	7	
12	49	C	27	TS		11.30	00.00	720	1H	5	1.32	7	
14	49	C	43	TS		12.00	00.00	720	6H	5	1.73	7	
15	49	C	40	TS		09.10	00.00	720	1H	5	2.33	7	
17	49	C	21	TS		08.10	00.00	720	1H	5	1.23	7	
18	49	C	34	TS		10.70	00.00	720	6H	5	1.25	7	
19	49	C	33	TS		08.70	00.00	720	2H	5	2.20	7	
20	49	C	40	TS		11.00	00.00	720	1H	5	1.39	7	
21	49	C	28	TS		08.70	00.00	720	1H	5	1.99	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	49	C	36	TS		08.10	00.00	720	6H	5	2.91	7	
22	49	C	36	TS		11.70	00.00	720	6H	5	1.48	7	
24	49	C	38	TS		00.00	00.00	720	1H	5	1.81	7	
24	49	C	39	TS		07.10	00.00	720	1H	5	1.18	7	
24	49	C	34	TS		11.70	00.00	720	1H	5	0.98	7	
26	49	C	<20	TS		00.00	00.00	720	6H	5	6.65	7	
26	49	C	31	TS		06.70	00.00	720	6H	5	2.96	7	
26	49	C	24	TS		11.60	00.00	720	6H	5	1.05	7	
27	49	C	43	TS		05.80	00.00	720	1H	5	3.79	7	
32	49	C	<20	TS		02.60	00.00	720	6H	5	1.17	7	
34	49	C	28	TS		06.00	00.00	720	6H	5	0.77	7	
42	49	C	<20	TS		00.00	00.00	720	6H	5	1.81	7	
2	50	C	71	TS		00.00	00.00	720	1H	5	1.99	38	
4	50	C	25	TS		00.90	00.00	720	1H	1	1.46	43	
6	50	C	<20	TS		06.30	00.00	720	1H	5	2.29	7	
8	50	C	36	TS		08.70	00.00	720	1H	5	0.97	7	
9	50	C	57	TS		09.30	00.00	720	1H	5	1.88	38	
10	50	C	21	TS		11.00	00.00	720	1H	5	1.14	7	
11	50	C	33	TS		08.70	00.00	720	1H	5	1.64	7	
11	50	C	52	TS		10.70	00.00	720	2H	5	2.28	38	
13	50	C	38	TS		10.70	00.00	720	1H	5	1.00	7	
14	50	C	38	TS		11.70	00.00	720	1H	5	1.58	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ----	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
15	50	C	27	TS		09.40	00.00	720	1H	5	1.35	7	
16	50	C	21	TS		09.40	00.00	720	1H	5	1.31	7	
17	50	C	41	TS		10.00	00.00	720	1H	5	1.25	7	
18	50	C	43	TS		10.40	00.00	720	1H	5	2.63	7	
19	50	C	<20	TS		10.40	00.00	720	1H	5	3.31	7	
20	50	C	35	TS		10.40	00.00	720	1H	5	2.42	7	
21	50	C	<20	TS		07.80	00.00	720	1H	5	1.55	7	
21	50	C	30	TS		10.40	00.00	720	1H	5	1.76	7	
22	50	C	26	TS		07.10	00.00	720	1H	5	1.74	7	
22	50	C	38	TS		09.70	00.00	720	1H	5	1.76	7	
24	50	C	30	TS		07.10	00.00	720	1H	5	1.63	7	
26	50	C	<20	TS		00.00	00.00	720	1H	5	8.76	7	
26	50	C	44	TS		05.80	00.00	720	1H	5	2.91	7	
26	50	C	44	TS		07.80	00.00	720	1H	5	3.43	7	
26	50	C	41	TS		08.10	00.00	720	1H	5	3.03	7	
28	50	C	<20	TS		00.00	00.00	720	1H	5	6.25	7	
29	50	C	<20	TS		00.00	00.00	720	1H	5	6.82	7	
31	50	C	<20	TS		00.00	00.00	720	6H	5	4.51	7	
31	50	C	34	TS		02.20	00.00	720	6H	5	1.45	7	
32	50	C	35	TS		02.20	00.00	720	6H	5	1.30	7	
33	50	C	<20	TS		01.90	00.00	720	6H	5	1.65	7	
36	50	C	28	TS		00.00	00.00	720	1H	5	1.82	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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43	50	C	<20	TS		00.00	00.00	720	1H	5	0.72	7	
44	50	C	<20	TS		00.00	00.00	720	1H	5	0.86	7	
2	51	C	59	TS		00.00	00.00	720	2H	5	2.59	38	
3	51	C	31	TS		02.90	00.00	720	1H	5	1.13	7	
4	51	C	<20	TS		01.30	00.00	720	1H	5	1.49	7	
9	51	C	44	TS		09.70	00.00	720	1H	5	1.63	7	
10	51	C	41	TS		10.00	00.00	720	1H	5	2.44	7	
11	51	C	54	TS		10.40	00.00	720	1H	5	4.28	38	
12	51	C	21	TS		10.70	00.00	720	1H	5	1.49	7	
15	51	C	32	TS		09.70	00.00	720	1H	5	1.45	7	
17	51	C	33	TS		10.60	00.00	720	1H	1	1.61	7	
18	51	C	37	TS		10.40	00.00	720	1H	5	1.83	7	
19	51	C	37	TS		10.00	00.00	720	1H	5	2.55	7	
22	51	C	<20	TS		08.10	00.00	720	1H	5	2.20	7	
22	51	C	31	TS		11.70	00.00	720	1H	5	1.85	7	
23	51	C	<20	TS		08.10	00.00	720	1H	5	0.99	7	
24	51	C	32	TS		06.50	00.00	720	1H	5	3.11	7	
25	51	C	48	TS		05.50	00.00	720	1H	5	4.30	38	
26	51	C	40	TS		05.80	00.00	720	1H	5	3.85	7	
26	51	C	34	TS		07.40	00.00	720	1H	5	2.57	7	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL ---	TURNS -----
27	51	C	48	TS		05.20	00.00	720	1H	5	1.88	38	
30	51	C	<20	TS		00.00	00.00	720	6H	5	8.72	7	
31	51	C	27	TS		02.90	00.00	720	6H	5	1.48	7	
32	51	C	44	TS		02.20	00.00	720	6H	5	1.19	7	
33	51	C	<20	TS		01.60	00.00	720	6H	5	1.29	7	
34	51	C	51	TS		00.00	00.00	720	2H	5	3.55	38	
34	51	C	<20	TS		05.60	00.00	720	6H	5	1.07	7	
35	51	C	<20	TS		00.00	00.00	720	1H	5	9.92	7	
41	51	C	<20	TS		00.00	00.00	720	1H	5	0.74	7	
45	51	C	53	1		00.00	00.00	720	4H	5	4.96	38	
2	52	C	60	TS		00.00	00.00	720	2H	5	5.69	38	
2	52	C	40	TS		01.30	00.00	720	1H	5	2.67	7	
2	52	C	48	TS		02.00	00.00	720	2H	5	1.68	38	
3	52	C	27	TS		00.90	00.00	720	1H	5	2.02	7	
5	52	C	41	TS		01.90	00.00	720	1H	5	1.68	7	
6	52	C	70	TS		04.30	00.00	720	2H	5	1.12	38	
7	52	C	54	TS		05.80	00.00	720	2H	5	2.04	38	
10	52	C	25	TS		11.30	00.00	720	1H	5	2.31	7	
15	52	C	29	TS		08.40	00.00	720	1H	5	1.98	7	
17	52	C	25	TS		09.10	00.00	720	2H	5	1.40	7	
17	52	C	27	TS		12.00	00.00	720	2H	5	1.57	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
18	52	C	<20	TS		08.70	00.00	720	2H	5	2.12	7	
18	52	C	41	TS		10.00	00.00	720	2H	5	1.32	7	
19	52	C	34	TS		09.80	00.00	720	1H	5	1.69	7	
21	52	C	<20	TS		09.10	00.00	720	1H	5	1.02	7	
22	52	C	31	TS		08.10	00.00	720	1H	5	0.94	7	
24	52	C	36	TS		07.10	00.00	720	1H	5	4.16	7	
25	52	C	39	TS		06.50	00.00	720	1H	5	2.06	7	
25	52	C	29	TS		08.70	00.00	720	1H	5	2.22	7	
26	52	C	36	TS		00.00	00.00	720	1H	5	5.28	7	
26	52	C	54	TS		05.50	00.00	720	1H	5	3.81	38	
27	52	C	31	TS		05.50	00.00	720	1H	5	2.27	7	
28	52	C	29	TS		04.50	00.00	720	1H	5	1.39	7	
29	52	C	36	TS		03.90	00.00	720	1H	5	1.52	7	
30	52	C	<20	TS		00.00	00.00	720	6H	5	6.81	7	
30	52	C	<20	2		00.00	00.00	720	6H	5	1.04	7	
31	52	C	37	TS		02.90	00.00	720	6H	5	1.27	7	
31	52	C	<20	2		00.00	00.00	720	6H	5	1.27	7	
32	52	C	25	TS		02.60	00.00	720	6H	5	1.38	7	
34	52	C	<20	2		00.00	00.00	720	6H	5	1.30	7	
2	53	C	68	TS		00.00	00.00	720	1H	5	1.71	38	
2	53	C	29	TS		01.30	00.00	720	6H	5	1.60	7	
3	53	C	<20	TS		01.30	00.00	720	1H	5	1.41	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
4	53	C	23	TS		01.10	00.00	720	2H	5	1.26	7	
4	53	C	<20	TS		02.10	00.00	720	2H	5	1.32	7	
7	53	C	39	TS		06.50	00.00	720	2H	5	2.51	7	
9	53	C	57	TS		12.60	00.00	720	1H	5	1.56	41	
10	53	C	39	TS		11.70	00.00	720	6H	5	1.69	7	
11	53	C	<20	TS		11.70	00.00	720	1H	5	1.26	7	
12	53	C	37	TS		08.10	00.00	720	1H	5	2.50	7	
12	53	C	48	TS		11.30	00.00	720	2H	5	1.52	38	
13	53	C	29	TS		08.40	00.00	720	1H	5	1.93	7	
15	53	C	25	TS		09.70	00.00	720	1H	5	0.98	7	
17	53	C	37	TS		09.40	00.00	720	1H	5	2.99	7	
18	53	C	21	TS		09.10	00.00	720	6H	5	2.85	7	
21	53	C	<20	TS		09.70	00.00	720	1H	5	1.61	7	
22	53	C	<20	TS		11.00	00.00	720	6H	5	1.35	7	
24	53	C	29	TS		07.80	00.00	720	1H	5	2.41	7	
27	53	C	40	TS		06.10	00.00	720	1H	5	2.08	7	
28	53	C	36	TS		04.50	00.00	720	1H	5	1.91	7	
29	53	C	34	TS		03.50	00.00	720	1H	5	1.08	7	
31	53	C	23	TS		02.60	00.00	720	1H	5	1.69	7	
32	53	C	21	TS		02.60	00.00	720	1H	5	1.15	7	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	53	C	<20	TS		00.00	00.00	720	1H	5	4.73	7	
33	53	C	<20	TS		02.60	00.00	720	1H	5	1.78	7	
33	53	C	37	TS		05.50	00.00	720	1H	5	0.70	7	
41	53	C	32	3		00.50	00.00	720	6H	5	1.96	7	
3	54	C	<20	TS		01.30	00.00	720	1H	5	1.71	8	
8	54	C	32	TS		12.40	00.00	720	1H	1	2.20	8	
12	54	C	36	TS		08.50	00.00	720	1H	1	1.27	8	
12	54	C	28	TS		20.80	00.00	720	1H	1	1.72	8	
13	54	C	40	TS		09.30	00.00	720	1H	1	1.96	8	
15	54	C	24	TS		08.40	00.00	720	1H	1	2.97	8	
17	54	C	32	TS		09.50	00.00	720	1H	1	1.41	8	
18	54	C	37	TS		09.40	00.00	720	1H	1	3.04	8	
21	54	C	39	TS		08.90	00.00	720	1H	1	1.99	8	
22	54	C	30	TS		09.00	00.00	720	1H	1	3.78	8	
23	54	C	21	TS		01.00	00.00	720	1H	1	1.32	8	
23	54	C	<20	TS		08.70	00.00	720	1H	5	1.07	8	
27	54	C	48	TS		05.10	00.00	720	1H	1	2.50	38	
28	54	C	26	TS		04.30	00.00	720	1H	1	3.14	8	
29	54	C	30	TS		04.20	00.00	720	1H	5	0.89	8	
32	54	C	<20	TS		04.60	00.00	720	1H	5	0.89	8	
33	54	C	27	TS		00.00	00.00	720	1H	5	5.58	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	54	C	22	TS		02.40	00.00	720	1H	5	1.83	8	
34	54	C	30	TS		00.00	00.00	720	1H	5	5.32	8	
34	54	C	30	TS		04.00	00.00	720	1H	1	2.08	8	
41	54	C	29	3		00.00	00.00	720	6H	5	1.80	7	
41	54	C	47	4		00.00	00.00	720	6H	5	2.05	7	
2	55	C	36	TS		01.40	00.00	720	1H	1	1.29	8	
4	55	C	<20	TS		05.80	00.00	720	1H	1	1.23	8	
8	55	C	41	TS		10.20	00.00	720	1H	1	2.87	8	
13	55	C	44	TS		08.70	00.00	720	1H	1	2.47	8	
15	55	C	54	TS		09.80	00.00	720	1H	1	1.51	38	
18	55	C	36	TS		09.10	00.00	720	1H	5	2.32	8	
19	55	C	42	TS		09.00	00.00	720	1H	1	1.51	8	
20	55	C	20	TS		09.00	00.00	720	1H	1	1.63	8	
21	55	C	<20	TS		09.20	00.00	720	1H	1	2.58	8	
22	55	C	29	TS		08.80	00.00	720	1H	1	2.55	8	
23	55	C	<20	TS		08.60	00.00	720	1H	5	0.82	8	
24	55	C	24	TS		07.60	00.00	720	1H	1	2.99	8	
25	55	C	37	TS		06.70	00.00	720	1H	1	2.36	8	
28	55	C	41	TS		03.30	00.00	720	1H	1	1.48	8	
28	55	C	33	TS		05.10	00.00	720	1H	1	1.10	8	
29	55	C	<20	TS		00.10	00.00	720	1H	5	6.65	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
30	55	C	22	TS		02.00	00.00	720	1H	5	1.48	8	
31	55	C	26	TS		03.10	00.00	720	1H	5	1.46	8	
32	55	C	25	TS		01.80	00.00	720	1H	1	2.54	8	
33	55	C	33	TS		01.60	00.00	720	1H	1	2.98	8	
34	55	C	59	TS		00.20	00.00	720	1H	5	7.28	41	
34	55	C	42	TS		01.60	00.00	720	1H	1	2.18	8	
43	55	C	63	3		00.00	00.00	720	3H	5	2.23	38	
7	56	C	46	TS		07.50	00.00	720	1H	1	2.39	8	
12	56	C	29	TS		07.40	00.00	720	1H	1	2.08	8	
12	56	C	<20	TS		11.80	00.00	720	1H	1	1.59	8	
13	56	C	53	TS		07.40	00.00	720	1H	1	0.87	38	
13	56	C	38	TS		07.90	00.00	720	1H	5	1.26	8	
13	56	C	28	TS		09.90	00.00	720	1H	1	2.38	8	
15	56	C	22	TS		08.30	00.00	720	1H	1	2.11	8	
17	56	C	50	TS		08.30	00.00	720	1H	1	2.88	38	
17	56	C	56	TS		09.50	00.00	720	1H	1	3.04	38	
20	56	C	26	TS		08.60	00.00	720	1H	1	2.98	8	
22	56	C	<20	TS		01.30	00.00	720	1H	1	2.16	8	
22	56	C	46	TS		07.70	00.00	720	1H	1	2.12	8	
23	56	C	<20	TS		09.10	00.00	720	1H	1	1.40	8	
24	56	C	33	TS		08.10	00.00	720	1H	1	2.46	8	
25	56	C	46	TS		06.30	00.00	720	1H	1	2.88	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL -----	TURNS -----
26	56	C	59	TS		05.50	00.00	720	2H	1	3.15	38	
27	56	C	54	TS		04.50	00.00	720	1H	1	2.81	38	
28	56	C	44	TS		00.00	00.00	720	1H	5	7.38	8	
28	56	C	34	TS		03.60	00.00	720	1H	1	2.05	8	
31	56	C	32	TS		02.30	00.00	720	1H	1	2.23	8	
32	56	C	<20	TS		04.60	00.00	720	1H	5	1.31	8	
33	56	C	26	TS		03.30	00.00	720	1H	1	2.49	8	
34	56	C	25	TS		03.40	00.00	720	1H	1	1.31	8	
3	57	C	28	TS		04.00	00.00	720	1H	1	1.54	8	
4	57	C	<20	TS		02.70	00.00	720	1H	1	1.79	8	
7	57	C	54	TS		07.60	00.00	720	1H	1	1.45	38	
8	57	C	<20	TS		08.70	00.00	720	1H	1	2.09	8	
9	57	C	29	TS		09.20	00.00	720	1H	1	1.84	8	
9	57	C	33	TS		10.10	00.00	720	1H	1	2.72	8	
11	57	C	37	TS		07.10	00.00	720	1H	1	1.83	8	
11	57	C	43	TS		09.70	00.00	720	1H	1	2.13	8	
11	57	C	33	TS		11.70	00.00	720	1H	1	2.47	8	
12	57	C	34	TS		08.80	00.00	720	1H	1	2.26	8	
13	57	C	32	TS		07.40	00.00	720	1H	1	3.14	8	
14	57	C	20	TS		07.30	00.00	720	6H	1	2.86	8	
14	57	C	25	TS		09.10	00.00	720	6H	1	2.24	8	
15	57	C	21	TS		08.70	00.00	720	1H	1	2.49	8	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
16	57	C	48	TS		09.20	00.00	720	1H	1	2.44	38	
17	57	C	<20	TS		01.00	00.00	720	1H	1	1.44	8	
17	57	C	41	TS		08.30	00.00	720	1H	1	4.34	8	
18	57	C	<20	TS		11.10	00.00	720	6H	1	1.67	8	
19	57	C	<20	TS		08.60	00.00	720	2H	5	0.72	38	
20	57	C	25	TS		09.50	00.00	720	1H	1	1.73	8	
22	57	C	32	TS		07.60	00.00	720	6H	1	2.19	8	
24	57	C	30	TS		06.70	00.00	720	1H	1	1.58	8	
25	57	C	34	TS		06.20	00.00	720	1H	1	2.52	8	
26	57	C	51	TS		04.30	00.00	720	1H	1	1.45	38	
28	57	C	<20	TS		04.00	00.00	720	1H	1	1.95	38	
31	57	C	34	TS		01.60	00.00	720	1H	1	2.04	8	
31	57	C	29	TS		02.00	00.00	720	1H	1	1.97	8	
32	57	C	58	TS		00.20	00.00	720	1H	5	4.00	41	
32	57	C	28	TS		02.00	00.00	720	1H	1	1.97	8	
33	57	C	20	TS		00.00	00.00	720	1H	1	14.54	8	
42	57	C	35	1		00.00	00.00	720	6H	5	2.21	8	
42	57	C	<20	2		00.00	00.00	720	6H	5	1.89	8	
42	57	C	69	2		00.40	00.00	720	3H	5	1.53	41	
42	57	C	33	3		00.00	00.00	720	6H	5	2.45	8	
42	57	C	<20	5		00.00	00.00	720	6H	5	2.09	8	
43	57	C	48	1		00.00	00.00	720	6H	5	6.88	38	
43	57	C	38	2		00.00	00.00	720	6H	5	5.77	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
43	57	C	38	3		00.00	00.00	720	6H	5	5.37	8	
43	57	C	49	4		00.00	00.00	720	6H	5	5.84	38	
43	57	C	<20	5		00.00	00.00	720	6H	5	1.80	8	
44	57	C	<20	1		00.00	00.00	720	6H	5	2.72	8	
44	57	C	64	2		00.00	00.00	720	6H	5	3.84	38	
44	57	C	51	3		00.00	00.00	720	6H	5	3.03	38	
44	57	C	48	4		00.00	00.00	720	6H	5	5.41	38	
44	57	C	<20	5		00.00	00.00	720	6H	5	2.44	8	
2	58	C	71	TS		00.30	00.00	720	1H	5	2.00	41	
2	58	C	30	TS		00.50	00.00	720	1H	1	4.00	8	
2	58	C	33	TS		02.00	00.00	720	1H	1	1.02	8	
3	58	C	32	TS		01.00	00.00	720	1H	1	2.38	8	
4	58	C	21	TS		01.30	00.00	720	1H	1	1.15	8	
5	58	C	32	TS		02.00	00.00	720	1H	1	1.78	8	
6	58	C	41	TS		07.70	00.00	720	1H	1	2.22	8	
7	58	C	26	TS		07.80	00.00	720	1H	1	1.33	8	
11	58	C	35	TS		08.60	00.00	720	1H	1	2.02	8	
12	58	C	28	TS		07.50	00.00	720	1H	1	2.68	8	
12	58	C	26	TS		08.50	00.00	720	1H	1	3.47	8	
14	58	C	<20	TS		05.50	00.00	720	1H	1	2.02	8	
15	58	C	24	TS		08.30	00.00	720	1H	5	0.97	8	
16	58	C	35	TS		08.10	00.00	720	1H	1	2.70	8	
17	58	C	<20	TS		08.20	00.00	720	1H	1	2.75	8	
18	58	C	39	TS		09.60	00.00	720	1H	1	1.97	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE ---	CH ---	VOLT -----	REEL -----	TURNS -----
18	58	C	27	TS		17.10	00.00	720	1H	5	1.42	8	
20	58	C	21	TS		09.70	00.00	720	1H	1	1.61	8	
21	58	C	37	TS		08.40	00.00	720	1H	1	1.58	8	
23	58	C	45	TS		07.10	00.00	720	1H	1	1.62	8	
25	58	C	38	TS		05.90	00.00	720	1H	5	1.36	8	
26	58	C	33	TS		04.50	00.00	720	1H	5	1.26	8	
27	58	C	20	TS		04.00	00.00	720	1H	1	2.01	8	
28	58	C	29	TS		02.30	00.00	720	2H	1	1.69	8	
30	58	C	44	TS		02.60	00.00	720	1H	5	0.35	8	
32	58	C	22	TS		01.40	00.00	720	1H	1	3.28	8	
33	58	C	25	TS		01.90	00.00	720	1H	1	1.69	8	
42	58	C	<20	1		00.00	00.00	720	6H	5	1.88	8	
42	58	C	<20	2		00.00	00.00	720	6H	5	1.88	8	
42	58	C	27	3		00.00	00.00	720	6H	5	2.09	8	
42	58	C	<20	5		00.00	00.00	720	6H	5	1.43	8	
43	58	C	48	1		00.00	00.00	720	3H	5	4.22	38	
43	58	C	38	2		00.00	00.00	720	6H	5	4.10	8	
43	58	C	40	3		00.00	00.00	720	6H	5	6.53	8	
43	58	C	39	4		00.00	00.00	720	6H	5	4.80	8	
43	58	C	30	5		00.00	00.00	720	6H	5	3.53	8	
2	59	C	29	TS		02.10	00.00	720	1H	1	1.35	8	
3	59	C	<20	TS		02.60	00.00	720	1H	1	1.24	8	
5	59	C	30	TS		02.50	00.00	720	1H	1	2.63	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	---	---	---	----	----	-----
7	59	C	45	TS		08.60	00.00	720	1H	1	1.55	8	
7	59	C	33	TS		10.80	00.00	720	1H	1	3.24	8	
8	59	C	40	TS		11.30	00.00	720	1H	1	0.68	8	
8	59	C	420	TS		13.00	00.00	720	1H	1	2.04	8	
12	59	C	32	TS		06.70	00.00	720	1H	1	3.42	8	
12	59	C	44	TS		08.30	00.00	720	1H	1	1.60	8	
14	59	C	24	TS		07.80	00.00	720	1H	1	1.25	8	
16	59	C	40	TS		09.20	00.00	720	1H	1	2.14	8	
16	59	C	47	TS		09.70	00.00	720	1H	1	1.76	8	
16	59	C	29	TS		10.20	00.00	720	1H	1	1.71	8	
16	59	C	47	TS		17.80	00.00	720	1H	1	1.04	8	
17	59	C	34	TS		08.10	00.00	720	1H	1	2.15	8	
17	59	C	25	TS		11.90	00.00	720	1H	1	1.63	8	
18	59	C	29	TS		11.60	00.00	720	1H	1	1.45	8	
20	59	C	29	TS		09.50	00.00	720	1H	1	1.15	8	
21	59	C	29	TS		04.00	00.00	720	1H	1	1.44	8	
23	59	C	39	TS		06.90	00.00	720	1H	1	1.60	8	
24	59	C	30	TS		06.00	00.00	720	1H	5	0.58	8	
25	59	C	29	TS		05.00	00.00	720	1H	1	1.28	8	
26	59	C	30	TS		03.60	00.00	720	1H	1	1.37	8	
26	59	C	34	TS		04.60	00.00	720	1H	1	1.21	8	
27	59	C	22	TS		03.60	00.00	720	1H	1	1.72	8	
29	59	C	35	TS		02.20	00.00	720	1H	5	0.67	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
31	59	C	27	TS		03.60	00.00	720	1H	5	1.39	8	
32	59	C	21	TS		01.40	00.00	720	1H	1	1.59	8	
33	59	C	44	TS		00.00	00.00	720	1H	1	1.31	8	
42	59	C	47	1		00.00	00.00	720	6H	5	2.06	8	
42	59	C	26	2		00.00	00.00	720	6H	5	1.87	8	
42	59	C	29	3		00.10	00.00	720	6H	5	2.23	8	
43	59	C	40	1		01.00	00.00	720	6H	5	4.73	8	
43	59	C	27	2		00.60	00.00	720	6H	6	6.00	8	
43	59	C	32	3		00.60	00.00	720	6H	6	9.03	8	
43	59	C	29	4		00.50	00.00	720	6H	5	5.70	8	
43	59	C	33	5		00.60	00.00	720	6H	5	2.13	8	
2	60	C	33	TS		01.20	00.00	720	1H	5	1.33	8	
2	60	C	34	TS		01.70	00.00	720	1H	1	2.42	8	
3	60	C	20	TS		01.40	00.00	720	1H	5	1.24	8	
13	60	C	38	TS		00.00	14.00	720	1H	1	2.84	8	
14	60	C	25	TS		07.70	00.00	720	1H	1	3.49	8	
14	60	C	30	TS		12.30	00.00	720	1H	1	1.31	8	
15	60	C	35	TS		08.70	00.00	720	1H	1	2.73	8	
16	60	C	24	TS		08.20	00.00	720	1H	1	3.80	8	
16	60	C	<20	TS		09.30	00.00	720	1H	1	2.15	8	
17	60	C	35	TS		00.30	00.00	720	1H	1	3.74	8	
17	60	C	28	TS		00.80	00.00	720	1H	1	2.57	8	
18	60	C	32	TS		09.90	00.00	720	1H	1	3.37	8	
18	60	C	22	TS		11.20	00.00	720	1H	1	2.60	8	
21	60	C	28	TS		08.50	00.00	720	1H	1	2.38	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	60	C	<20	TS		03.00	00.00	720	1H	1	1.12	8	
25	60	C	42	TS		04.30	00.00	720	1H	1	1.98	8	
26	60	C	39	TS		05.00	00.00	720	1H	6	0.83	8	
27	60	C	32	TS		06.20	00.00	720	1H	6	1.67	8	
28	60	C	27	TS		03.00	00.00	720	1H	6	1.93	8	
29	60	C	39	TS		01.30	00.00	720	1H	1	1.33	8	
42	60	C	34	3		00.60	00.00	720	6H	6	2.31	8	
42	60	C	<20	4		01.10	00.00	720	6H	5	1.06	8	
42	60	C	<20	5		00.60	00.00	720	6H	5	1.82	8	
43	60	C	50	1		00.80	00.00	720	4H	5	4.20	38	
43	60	C	35	2		00.60	00.00	720	6H	5	3.46	8	
43	60	C	33	3		00.80	00.00	720	6H	5	3.00	8	
43	60	C	42	4		00.60	00.00	720	6H	5	2.18	8	
43	60	C	35	5		00.00	00.00	720	6H	5	2.61	8	
2	61	C	38	TS		00.60	00.00	720	6H	5	1.27	8	
12	61	C	33	TS		09.60	00.00	720	1H	1	2.83	8	
12	61	C	44	TS		12.00	00.00	720	1H	1	3.26	8	
12	61	C	33	TS		13.00	00.00	720	1H	1	1.16	8	
13	61	C	37	TS		12.20	00.00	720	1H	1	1.58	8	
15	61	C	39	TS		08.90	00.00	720	1H	1	1.28	8	
15	61	C	35	TS		09.50	00.00	720	1H	1	2.42	8	
16	61	C	41	TS		08.70	00.00	720	1H	1	5.46	8	
17	61	C	24	TS		09.20	00.00	720	1H	1	4.43	8	
17	61	C	36	TS		12.20	00.00	720	1H	1	1.58	8	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
19	61	C	38	TS		09.60	00.00	720	1H	5	0.69	8	
19	61	C	<20	TS		12.50	00.00	720	1H	1	2.92	8	
21	61	C	25	TS		07.80	00.00	720	1H	1	1.40	8	
26	61	C	48	TS		03.40	00.00	720	1H	1	2.40	38	
27	61	C	34	TS		03.00	00.00	720	1H	1	1.65	8	
28	61	C	35	TS		01.00	00.00	720	1H	1	0.71	8	
29	61	C	24	TS		04.30	00.00	720	1H	1	1.25	8	
31	61	C	22	TS		01.30	00.00	720	1H	1	1.57	8	
32	61	C	27	TS		00.50	00.00	720	1H	1	1.56	8	
43	61	C	<20	1		01.50	00.00	720	6H	5	0.83	8	
43	61	C	52	2		00.00	00.00	720	3H	5	2.70	41	
43	61	C	46	3		00.00	00.00	720	6H	5	2.80	8	
43	61	C	35	4		00.00	00.00	720	6H	5	2.28	8	
43	61	C	38	5		00.00	00.00	720	6H	5	4.09	8	
3	62	C	23	TS		05.00	00.00	720	1H	1	0.87	9	
4	62	C	<20	TS		01.30	00.00	720	1H	1	2.02	9	
5	62	C	<20	TS		01.60	00.00	720	1H	1	2.76	9	
6	62	C	<20	TS		05.00	00.00	720	1H	5	1.53	9	
8	62	C	24	TS		10.50	00.00	720	1H	1	1.47	9	
9	62	C	57	TS		08.30	00.00	720	1H	5	3.02	38	
9	62	C	51	TS		08.50	00.00	720	1H	1	1.57	38	
12	62	C	25	TS		11.60	00.00	720	1H	1	1.71	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS ---	CE --	CH --	VOLT -----	REEL -----	TURNS -----
13	62	C	35	TS		11.50	00.00	720	1H	1	1.98	9	
14	62	C	37	TS		08.20	00.00	720	6H	1	2.11	38	
15	62	C	38	TS		07.50	12.10	720	1H	1	2.50	9	
15	62	C	61	TS		11.80	00.00	720	1H	1	1.34	43	
15	62	C	59	TS		12.50	00.00	720	1H	5	1.57	9	
16	62	C	24	TS		11.90	00.00	720	1H	1	3.01	9	
17	62	C	45	TS		07.60	11.50	720	1H	5	2.00	9	
18	62	C	30	TS		12.00	00.00	720	6H	5	2.10	9	
19	62	C	44	TS		11.90	00.00	720	1H	1	1.00	9	
20	62	C	43	TS		11.40	00.00	720	1H	5	1.02	9	
21	62	C	29	TS		07.00	00.00	720	1H	1	1.74	9	
24	62	C	28	TS		05.10	00.00	720	1H	1	1.89	9	
25	62	C	<20	TS		00.00	00.00	720	1H	1	14.31	9	
25	62	C	24	TS		03.10	00.00	720	1H	1	1.77	9	
28	62	C	40	TS		01.20	00.00	720	1H	1	1.24	9	
29	62	C	<20	TS		03.80	00.00	720	1H	1	1.15	9	
2	63	C	<20	TS		01.00	00.00	720	1H	1	4.23	9	
8	63	C	22	TS		07.80	00.00	720	1H	1	1.93	9	
8	63	C	<20	TS		16.40	00.00	720	1H	1	1.75	9	
9	63	C	43	TS		08.90	00.00	720	1H	1	1.83	9	
9	63	C	53	TS		11.10	00.00	720	2H	1	2.00	38	
10	63	C	67	TS		09.50	00.00	720	2H	5	2.10	38	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
12	63	C	37	TS		12.90	00.00	720	1H	1	4.62	9	
13	63	C	50	TS		08.60	00.00	720	1H	1	5.70	38	
14	63	C	34	TS		08.80	00.00	720	1H	1	3.45	9	
15	63	C	40	TS		10.20	00.00	720	1H	1	2.06	9	
15	63	C	32	TS		10.40	00.00	720	1H	1	2.06	9	
16	63	C	42	TS		08.90	00.00	720	1H	1	3.08	9	
19	63	C	32	TS		12.00	00.00	720	1H	1	1.49	9	
20	63	C	29	TS		07.40	00.00	720	1H	1	2.08	9	
21	63	C	22	TS		01.20	00.00	720	1H	1	1.16	9	
22	63	C	<20	TS		06.10	00.00	720	1H	1	1.81	9	
23	63	C	38	TS		05.30	00.00	720	1H	6	2.15	9	
24	63	C	33	TS		04.10	00.00	720	1H	1	3.02	9	
25	63	C	32	TS		03.90	00.00	720	1H	1	2.22	9	
27	63	C	45	TS		02.20	00.00	720	1H	1	1.75	9	
28	63	C	37	TS		01.90	00.00	720	1H	1	2.23	9	
29	63	C	29	TS		01.30	00.00	720	1H	1	1.59	9	
4	64	C	<20	TS		01.50	00.00	720	1H	6	0.63	9	
4	64	C	27	TS		02.90	00.00	720	1H	1	1.95	9	
5	64	C	27	TS		06.10	00.00	720	1H	1	1.92	9	
7	64	C	32	TS		08.80	00.00	720	1H	1	3.17	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
7	64	C	<20	TS		13.40	00.00	720	1H	1	2.92	9	
8	64	C	23	TS		07.80	00.00	720	1H	1	2.29	9	
8	64	C	48	TS		15.40	00.00	720	1H	1	1.56	38	
8	64	C	46	TS		15.60	00.00	720	1H	1	3.70	9	
9	64	C	24	TS		02.10	00.00	720	1H	1	3.11	9	
10	64	C	34	TS		08.70	00.00	720	1H	1	4.58	9	
10	64	C	46	TS		12.00	00.00	720	1H	1	1.55	9	
11	64	C	31	TS		08.30	00.00	720	1H	1	1.57	9	
12	64	C	38	TS		11.30	00.00	720	1H	1	2.87	9	
13	64	C	34	TS		11.30	00.00	720	1H	1	2.26	9	
15	64	C	48	TS		11.30	00.00	720	1H	1	1.69	38	
16	64	C	60	TS		12.80	00.00	720	2H	1	3.20	38	
17	64	C	48	TS		11.60	00.00	720	1H	1	5.64	38	
18	64	C	53	TS		11.00	00.00	720	1H	1	2.83	38	
20	64	C	35	TS		10.00	00.00	720	1H	1	1.70	9	
21	64	C	<20	TS		08.50	00.00	720	1H	1	2.36	9	
22	64	C	<20	TS		11.90	00.00	720	1H	1	1.49	9	
23	64	C	40	TS		01.80	00.00	720	1H	1	1.35	9	
23	64	C	41	TS		04.80	00.00	720	1H	1	1.77	9	
24	64	C	38	TS		04.10	00.00	720	1H	1	2.15	9	
25	64	C	24	TS		03.40	00.00	720	1H	1	1.94	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	64	C	32	TS		03.50	00.00	720	1H	1	1.85	9	
27	64	C	25	TS		02.30	00.00	720	1H	5	1.23	9	
29	64	C	27	TS		00.90	00.00	720	1H	1	0.94	9	
3	65	C	42	TS		01.40	00.00	720	1H	5	1.77	9	
4	65	C	52	TS		03.60	00.00	720	1H	1	1.35	38	
7	65	C	87	TS		08.10	00.00	720	1H	1	1.35	38	
8	65	C	34	TS		15.50	00.00	720	1H	1	2.24	9	
9	65	C	49	TS		09.40	00.00	720	1H	5	1.15	41	
10	65	C	<20	TS		08.40	00.00	720	6H	1	2.79	9	
11	65	C	35	TS		08.80	00.00	720	1H	1	2.19	9	
12	65	C	38	TS		09.80	00.00	720	1H	1	2.06	9	
13	65	C	48	TS		11.10	00.00	720	1H	1	1.59	38	
15	65	C	49	TS		12.20	00.00	720	1H	1	3.94	38	
16	65	C	38	TS		11.00	00.00	720	1H	1	2.54	9	
19	65	C	38	TS		06.90	00.00	720	1H	1	1.45	9	
21	65	C	37	TS		08.60	00.00	720	1H	1	0.95	9	
22	65	C	<20	TS		01.00	00.00	720	6H	6	7.82	9	
23	65	C	23	TS		04.40	00.00	720	1H	1	2.63	9	
24	65	C	27	TS		03.90	00.00	720	1H	1	2.71	9	

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LISTING OF INDICATIONS FOR SPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
25	65	C	<20	TS		02.50	00.00	720	1H	1	2.33	9	
26	65	C	38	TS		02.30	00.00	720	6H	1	1.82	9	
36	65	C	<20	TS		00.00	00.00	720	1H	5	1.95	9	
2	66	C	54	TS		00.00	00.00	720	1H	5	4.22	38	
2	66	C	35	TS		02.90	00.00	720	6H	5	0.95	9	
4	66	C	33	TS		01.30	00.00	720	1H	5	1.31	9	
5	66	C	56	TS		05.30	00.00	720	1H	1	1.23	38	
7	66	C	36	TS		05.20	11.10	720	1H	1	1.17	9	
8	66	C	21	TS		13.70	00.00	720	1H	5	1.13	9	
9	66	C	<20	TS		06.60	17.20	720	1H	5	0.70	9	
10	66	C	35	TS		08.70	17.70	720	1H	5	0.57	9	
11	66	C	31	TS		08.00	17.20	720	1H	1	1.45	9	
12	66	C	39	TS		07.10	17.40	720	2H	5	0.96	9	
14	66	C	43	TS		04.30	14.70	720	6H	1	0.88	9	
16	66	C	62	TS		06.10	14.70	720	1H	1	1.87	38	
17	66	C	52	TS		06.80	14.00	720	1H	5	0.86	38	
18	66	C	48	TS		05.60	10.80	720	1H	1	1.61	38	
19	66	C	36	TS		05.60	10.80	720	1H	1	1.33	9	
20	66	C	42	TS		05.90	09.50	720	1H	5	0.52	9	
21	66	C	43	TS		02.00	08.30	720	1H	1	1.60	9	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
22	66	C	47	TS		00.50	01.30	720	1H	1	0.62	9	
23	66	C	32	TS		00.90	00.00	720	1H	1	2.55	9	
23	66	C	35	TS		04.30	00.00	720	1H	1	2.70	9	
24	66	C	27	TS		03.10	00.00	720	1H	1	1.38	9	
25	66	C	25	TS		01.20	00.00	720	1H	5	1.45	9	
25	66	C	23	TS		01.30	00.00	720	1H	1	2.33	9	
27	66	C	59	TS		00.40	00.00	720	2H	5	4.52	38	
27	66	C	<20	TS		03.40	00.00	720	1H	5	0.91	9	
28	66	C	50	TS		00.30	00.00	720	1H	5	4.79	38	
28	66	C	<20	TS		03.60	00.00	720	1H	5	1.27	9	
29	66	C	21	TS		00.30	00.00	720	1H	5	5.40	9	
29	66	C	<20	TS		02.30	00.00	720	1H	5	1.13	9	
31	66	C	63	TS		00.00	00.00	720	1H	5	2.26	38	
4	67	C	41	TS		01.80	04.80	720	1H	5	2.83	9	
5	67	C	32	TS		03.10	00.00	720	1H	1	0.86	9	
7	67	C	<20	TS		04.30	10.10	720	1H	1	0.99	9	
8	67	C	25	TS		06.00	14.10	720	1H	5	0.88	9	
9	67	C	45	TS		08.00	12.80	720	1H	5	0.71	9	
10	67	C	38	TS		08.20	16.80	720	1H	1	1.67	9	
11	67	C	43	TS		08.00	16.90	720	1H	1	1.55	9	
16	67	C	45	TS		05.90	12.50	720	1H	1	0.94	9	
17	67	C	53	TS		06.00	11.30	720	1H	1	1.36	38	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ---	INDIC -----	LQC ---	LOC ---	INCH ----	INCH ----	PS --	CE --	CH --	VOLT -----	REEL ----	TURNS -----
19	67	C	41	TS		02.90	12.00	720	1H	5	1.02	9	
20	67	C	25	TS		07.60	00.00	720	1H	5	0.87	9	
21	67	C	30	TS		02.10	04.40	720	1H	5	0.79	9	
22	67	C	<20	TS		00.00	00.00	720	1H	5	9.14	9	
22	67	C	22	TS		03.90	00.00	720	1H	1	2.44	9	
23	67	C	31	TS		03.40	00.00	720	1H	1	1.51	9	
24	67	C	35	TS		02.70	00.00	720	1H	5	1.22	9	
25	67	C	70	TS		01.10	00.00	720	1H	1	1.65	38	
25	67	C	35	TS		01.50	00.00	720	1H	5	1.96	9	
25	67	C	40	TS		02.70	00.00	720	1H	1	1.51	9	
27	67	C	53	TS		00.00	00.00	720	1H	5	3.47	38	
27	67	C	22	TS		00.90	00.00	720	1H	1	1.66	9	
28	67	C	62	TS		00.00	00.00	720	1H	5	3.48	38	
28	67	C	<20	TS		03.40	00.00	720	1H	1	0.88	9	
29	67	C	38	TS		00.00	00.00	720	1H	5	3.31	9	
29	67	C	33	TS		01.30	03.30	720	1H	5	0.88	9	
4	68	C	41	TS		02.30	00.00	720	1H	5	1.05	9	
5	68	C	38	TS		02.60	13.60	720	1H	1	1.69	9	
6	68	C	50	TS		04.40	08.30	720	1H	1	1.64	38	
7	68	C	31	TS		06.80	11.40	720	1H	1	0.76	9	
8	68	C	<20	TS		05.70	12.70	720	1H	1	2.00	9	
9	68	C	33	TS		08.40	13.30	720	1H	5	0.44	9	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	---	---	---	-----	-----	-----
10	68	C	38	TS		07.00	13.50	720	1H	5	1.18	9	
17	68	C	48	TS		04.10	10.10	720	2H	1	1.64	38	
18	68	C	38	TS		04.60	10.40	720	1H	5	0.75	9	
19	68	C	27	TS		02.90	05.40	720	1H	5	1.07	9	
21	68	C	33	TS		04.40	05.40	720	1H	1	2.07	9	
22	68	C	30	TS		04.00	00.00	720	1H	5	1.04	9	
23	68	C	42	TS		00.00	00.00	720	1H	5	4.71	9	
23	68	C	33	TS		02.90	00.00	720	1H	1	2.50	9	
25	68	C	77	TS		00.00	00.00	720	1H	5	3.60	38	
25	68	C	57	TS		00.70	02.10	720	1H	5	1.11	38	
27	68	C	42	TS		00.80	00.00	720	1H	1	1.44	9	
28	68	C	61	TS		00.00	00.00	720	1H	5	2.87	38	
28	68	C	32	TS		03.20	00.00	720	1H	5	0.48	9	
29	68	C	<20	TS		00.00	00.00	720	1H	5	4.90	9	
29	68	C	<20	TS		02.40	00.00	720	1H	1	1.31	9	
4	69	C	39	TS		01.60	10.20	720	1H	5	2.81	9	
7	69	C	31	TS		06.30	00.00	720	1H	1	1.41	9	
7	69	C	31	TS		09.80	00.00	720	1H	1	1.27	9	
8	69	C	24	TS		11.70	00.00	720	1H	1	1.31	9	
9	69	C	39	TS		09.00	00.00	720	1H	1	1.49	9	
9	69	C	29	TS		13.80	00.00	720	1H	1	1.80	9	
10	69	C	45	TS		07.60	00.00	720	6H	1	1.29	9	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
11	69	C	<20	TS		01.40	00.00	720	1H	1	0.88	9	
11	69	C	33	TS		08.30	00.00	720	1H	1	2.11	9	
12	69	C	31	TS		08.50	00.00	720	1H	1	2.92	9	
13	69	C	32	TS		07.30	00.00	720	1H	1	1.67	9	
15	69	C	24	TS		07.70	00.00	720	1H	1	1.47	9	
16	69	C	22	TS		05.20	00.00	720	1H	1	2.82	9	
17	69	C	40	TS		05.90	00.00	720	1H	1	2.25	9	
18	69	C	25	TS		05.10	00.00	720	6H	1	1.90	9	
18	69	C	32	TS		06.40	00.00	720	6H	1	1.52	9	
18	69	C	23	TS		08.10	00.00	720	6H	1	1.47	9	
20	69	C	43	TS		03.80	00.00	720	1H	1	4.38	9	
22	69	C	22	TS		00.60	00.00	720	6H	1	2.74	9	
22	69	C	<20	TS		02.40	00.00	720	6H	1	3.35	9	
23	69	C	37	TS		01.50	00.00	720	1H	1	2.32	9	
25	69	C	38	TS		01.90	00.00	720	1H	1	2.70	9	
26	69	C	<20	TS		00.00	00.00	720	6H	1	14.78	9	
26	69	C	37	TS		00.80	00.00	720	6H	1	1.52	9	
28	69	C	<20	TS		03.00	00.00	720	1H	1	1.29	9	
29	69	C	24	TS		02.10	00.00	720	1H	1	1.69	9	
3	70	C	30	TS		02.60	00.00	720	1H	6	1.33	9	
3	70	C	27	TS		05.70	00.00	720	1H	1	1.10	9	
4	70	C	32	TS		02.70	00.00	720	1H	1	0.83	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	70	C	<20	TS		02.30	00.00	720	1H	1	1.82	9	
7	70	C	<20	TS		06.90	00.00	720	1H	1	1.70	9	
8	70	C	37	TS		08.20	00.00	720	1H	1	2.40	9	
10	70	C	<20	TS		05.70	00.00	720	1H	1	2.78	9	
10	70	C	89	TS		08.40	00.00	720	1H	5	2.73	38	
10	70	C	24	TS		14.10	00.00	720	1H	1	1.21	9	
12	70	C	27	TS		06.90	00.00	720	1H	1	1.80	9	
13	70	C	52	TS		06.80	00.00	720	1H	1	0.81	38	
13	70	C	38	TS		09.00	00.00	720	1H	1	1.12	9	
14	70	C	50	TS		06.50	00.00	720	1H	1	4.08	38	
15	70	C	36	TS		06.40	00.00	720	1H	1	3.02	9	
16	70	C	<20	TS		06.00	00.00	720	1H	1	1.87	9	
17	70	C	27	TS		03.00	00.00	720	1H	1	1.24	9	
17	70	C	26	TS		05.10	00.00	720	1H	1	1.94	9	
17	70	C	21	TS		05.90	00.00	720	1H	1	2.24	9	
23	70	C	33	TS		01.00	00.00	720	1H	1	1.18	9	
24	70	C	38	TS		01.20	00.00	720	1H	1	1.62	9	
27	70	C	<20	TS		01.30	00.00	720	1H	1	1.29	9	
28	70	C	28	TS		02.70	00.00	720	1H	1	2.84	9	
2	71	C	25	TS		02.60	00.00	720	1H	1	1.67	9	
2	71	C	28	TS		03.90	00.00	720	1H	1	2.54	9	
3	71	C	32	TS		05.10	00.00	720	1H	1	1.87	9	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
---	---	---	-----	---	---	----	----	--	--	--	----	----	-----
4	71	C	33	TS		03.30	00.00	720	1H	1	1.42	9	
4	71	C	47	TS		07.00	00.00	720	1H	5	0.92	9	
4	71	C	49	TS		07.30	00.00	720	1H	1	1.35	38	
4	71	C	34	TS		08.00	00.00	720	1H	1	1.20	9	
4	71	C	24	TS		09.90	00.00	720	1H	1	1.83	9	
6	71	C	27	TS		01.20	00.00	720	1H	1	1.58	9	
6	71	C	27	TS		08.90	00.00	720	1H	1	1.24	9	
7	71	C	38	TS		05.20	00.00	720	1H	1	1.80	9	
7	71	C	33	TS		07.70	00.00	720	1H	1	1.40	9	
7	71	C	26	TS		10.90	00.00	720	1H	1	1.32	9	
7	71	C	34	TS		12.50	00.00	720	1H	1	1.22	9	
8	71	C	75	TS		07.30	00.00	720	1H	5	2.42	38	
9	71	C	<20	TS		06.20	00.00	720	1H	1	2.05	9	
10	71	C	25	TS		06.30	00.00	720	1H	1	3.62	9	
11	71	C	<20	TS		05.10	00.00	720	1H	1	1.87	9	
14	71	C	59	TS		07.20	00.00	720	1H	5	0.64	38	
16	71	C	67	TS		01.40	00.00	720	1H	5	0.82	38	
16	71	C	55	TS		02.90	00.00	720	2H	5	1.74	38	
16	71	C	35	TS		03.90	00.00	720	1H	6	2.55	9	
18	71	C	36	TS		01.20	00.00	720	1H	1	1.65	9	
18	71	C	33	TS		02.70	00.00	720	1H	1	3.34	9	
20	71	C	26	TS		03.00	00.00	720	1H	1	1.51	9	
23	71	C	25	TS		02.20	00.00	720	1H	6	1.25	9	
26	71	C	<20	TS		01.90	00.00	720	1H	1	2.19	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	71	C	35	TS		01.40	00.00	720	1H	1	2.05	9	
2	72	C	36	TS		02.20	00.00	720	6H	1	2.44	10	
2	72	C	39	TS		03.20	00.00	720	6H	1	2.37	10	
3	72	C	30	TS		01.60	00.00	720	1H	6	1.11	9	
4	72	C	28	TS		03.10	00.00	720	1H	1	2.57	9	
4	72	C	27	TS		05.40	00.00	720	1H	1	1.94	9	
4	72	C	36	TS		07.40	00.00	720	1H	1	1.19	9	
5	72	C	33	TS		01.10	00.00	720	1H	1	1.69	9	
5	72	C	36	TS		03.70	00.00	720	1H	1	2.36	9	
6	72	C	42	TS		06.40	00.00	720	1H	1	0.99	9	
7	72	C	27	TS		04.40	00.00	720	1H	1	2.22	9	
7	72	C	26	TS		07.30	00.00	720	1H	1	1.31	9	
7	72	C	34	TS		10.90	00.00	720	1H	1	1.54	9	
8	72	C	<20	TS		08.70	00.00	720	1H	1	1.84	9	
10	72	C	43	TS		05.60	00.00	720	1H	1	1.85	9	
12	72	C	29	TS		02.30	00.00	720	1H	1	2.13	9	
15	72	C	35	TS		03.80	00.00	720	1H	1	4.68	9	
16	72	C	32	TS		03.30	00.00	720	1H	1	3.07	9	
17	72	C	26	TS		02.00	00.00	720	1H	1	2.75	9	
18	72	C	34	TS		01.60	00.00	720	1H	1	1.76	9	
19	72	C	46	TS		01.90	00.00	720	1H	1	2.53	9	
20	72	C	27	TS		02.30	00.00	720	1H	1	1.77	9	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
22	72	C	27	TS		01.30	00.00	720	1H	1	1.53	9	
23	72	C	30	TS		01.10	00.00	720	1H	5	0.82	9	
24	72	C	49	TS		02.20	00.00	720	2H	1	0.84	38	
27	72	C	22	TS		02.10	00.00	720	1H	1	1.26	9	
4	73	C	28	TS		01.70	00.00	720	1H	1	1.07	10	
4	73	C	27	TS		04.10	00.00	720	1H	1	0.99	10	
4	73	C	<20	TS		06.10	00.00	720	1H	1	1.53	10	
5	73	C	26	TS		01.80	00.00	720	1H	1	1.07	38	
6	73	C	23	TS		04.20	00.00	720	6H	1	1.39	10	
6	73	C	40	TS		09.50	00.00	720	6H	1	0.81	10	
7	73	C	31	TS		03.90	09.10	720	1H	1	1.14	10	
8	73	C	<20	TS		02.50	00.00	720	1H	1	1.14	10	
8	73	C	24	TS		08.50	00.00	720	1H	1	1.57	10	
10	73	C	31	TS		03.50	00.00	720	6H	1	1.18	10	
13	73	C	42	TS		02.20	04.00	720	1H	1	0.64	10	
14	73	C	24	TS		02.50	00.00	720	6H	1	2.31	10	
15	73	C	<20	TS		02.40	00.00	720	1H	1	2.07	10	
16	73	C	41	TS		01.80	00.00	720	1H	1	2.43	10	
17	73	C	36	TS		01.90	00.00	720	1H	1	1.81	10	
18	73	C	35	1		01.10	00.00	720	6H	1	2.30	10	
19	73	C	65	TS		00.00	00.00	720	1H	5	7.87	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
20	73	C	58	TS		00.00	00.00	720	1H	5	5.26	38	
22	73	C	46	TS		00.00	00.00	720	6H	5	3.20	10	
24	73	C	47	TS		00.60	00.00	720	1H	5	0.79	10	
26	73	C	36	TS		00.50	00.00	720	6H	1	1.45	10	
2	74	C	39	TS		01.70	00.00	720	1H	1	1.87	10	
4	74	C	28	TS		01.90	05.20	720	1H	1	1.32	10	
5	74	C	32	TS		00.90	05.20	720	2H	1	3.72	10	
9	74	C	31	TS		02.50	00.00	720	1H	1	1.73	10	
12	74	C	23	TS		01.10	00.00	720	1H	1	1.24	10	
13	74	C	32	TS		01.80	00.00	720	1H	1	1.69	10	
14	74	C	45	TS		00.70	02.20	720	1H	1	0.74	10	
15	74	C	35	TS		00.90	00.00	720	1H	1	2.52	10	
17	74	C	51	TS		00.00	00.00	720	1H	5	4.61	38	
18	74	C	49	TS		00.00	00.00	720	1H	5	4.05	38	
18	74	C	35	TS		00.50	00.00	720	1H	1	0.77	10	
19	74	C	62	TS		00.00	00.00	720	1H	5	5.12	38	
20	74	C	40	TS		00.00	00.00	720	1H	5	4.82	10	
2	75	C	41	TS		00.60	02.00	720	1H	1	1.09	10	
4	75	C	26	TS		04.80	06.40	720	1H	1	1.18	10	
5	75	C	22	TS		04.70	06.80	720	1H	1	1.45	10	

ROW ----	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS ---	CE ---	CH ---	VOLT ----	REEL ----	TURNS -----
6	75	C	41	TS		01.50	05.00	720	1H	5	0.87	10	
8	75	C	37	TS		01.00	05.50	720	1H	1	1.29	10	
10	75	C	21	TS		01.00	03.50	720	1H	5	1.13	10	
11	75	C	34	TS		02.20	00.00	720	1H	5	1.04	10	
13	75	C	21	TS		00.90	00.00	720	1H	5	0.80	10	
15	75	C	33	I		00.00	00.00	720	1H	5	3.68	10	
16	75	C	26	TS		00.00	00.00	720	1H	5	4.35	10	
16	75	C	36	TS		04.80	00.00	720	1H	1	1.39	10	
18	75	C	26	TS		01.10	00.00	720	1H	1	1.99	10	
19	75	C	48	TS		00.00	00.00	720	1H	5	6.55	38	
24	75	C	42	TS		00.00	00.00	720	1H	5	2.05	10	
2	76	C	53	TS		02.30	00.00	720	1H	1	1.35	38	
3	76	C	40	TS		02.50	00.00	720	1H	1	3.95	10	
4	76	C	<20	TS		03.10	00.00	720	1H	1	1.63	10	
5	76	C	43	TS		00.00	00.00	720	1H	5	3.93	10	
5	76	C	35	TS		01.40	05.00	720	1H	1	2.08	10	
7	76	C	46	TS		00.00	00.00	720	1H	5	3.27	10	
7	76	C	40	TS		00.50	04.70	720	1H	1	2.23	10	
8	76	C	34	TS		00.60	01.80	720	1H	5	1.34	10	
8	76	C	23	TS		04.70	00.00	720	1H	1	1.25	10	
9	76	C	41	TS		00.90	03.50	720	1H	5	0.52	10	

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LISTING OF INDICATIONS FOR CPL C COLD LEG NOVEMBER 83

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
10	76	C	26	TS		00.90	02.50	720	1H	5	1.43	10	
11	76	C	36	TS		00.60	02.60	720	1H	5	0.74	10	
12	76	C	25	TS		01.60	00.00	720	1H	1	1.94	10	
14	76	C	51	TS		00.00	00.00	720	1H	5	4.46	38	
18	76	C	<20	TS		00.90	00.00	720	1H	1	1.45	10	
19	76	C	32	TS		00.00	00.00	720	1H	5	2.22	10	
20	76	C	43	TS		00.00	00.00	720	1H	5	1.52	10	
32	76	C	26	1		00.00	00.00	720	6H	5	0.60	10	
33	76	C	51	1		00.00	00.00	720	6H	5	6.04	41	
33	76	C	26	2		00.00	00.00	720	6H	5	3.19	10	
33	76	C	40	3		00.00	00.00	720	6H	5	1.36	10	
34	76	C	<20	3		00.00	00.00	720	6H	5	1.94	10	
2	77	C	34	TS		00.60	02.00	720	6H	1	1.97	38	
4	77	C	37	TS		00.60	03.70	720	1H	1	3.37	10	
5	77	C	33	TS		00.50	04.00	720	1H	1	1.14	10	
6	77	C	27	TS		00.90	02.20	720	6H	1	3.68	10	
7	77	C	26	TS		00.60	03.00	720	1H	1	1.42	10	
8	77	C	26	TS		02.30	00.00	720	1H	5	0.98	10	
9	77	C	26	TS		01.70	00.00	720	1H	5	1.16	10	
10	77	C	29	TS		01.80	00.00	720	6H	1	0.96	10	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH ---	INCH ---	PS --	CE --	CH --	VOLT ----	REEL ----	TURNS -----
12	77	C	52	TS		00.00	00.00	720	1H	5	3.67	38	
13	77	C	48	TS		00.00	00.00	720	1H	5	3.15	38	
14	77	C	43	TS		00.00	00.00	720	6H	5	2.24	10	
18	77	C	43	TS		00.00	00.00	720	6H	5	2.79	10	
31	77	C	47	1		00.00	00.00	720	6H	5	2.98	10	
32	77	C	46	1		00.00	00.00	720	6H	5	5.65	10	
32	77	C	24	2		00.00	00.00	720	6H	5	2.90	10	
32	77	C	24	3		00.00	00.00	720	6H	5	2.09	10	
32	77	C	<20	4		00.00	00.00	720	6H	5	2.23	10	
2	78	C	31	TS		01.80	00.00	720	1H	1	1.10	10	
4	78	C	31	TS		02.10	00.00	720	1H	1	1.83	10	
5	78	C	32	TS		01.00	00.00	720	1H	1	2.47	10	
6	78	C	33	TS		01.30	00.00	720	1H	1	0.93	10	
7	78	C	23	TS		02.00	00.00	720	1H	1	1.03	10	
8	78	C	<20	TS		01.20	00.00	720	1H	1	3.20	10	
9	78	C	<20	TS		01.00	00.00	720	1H	5	1.27	10	
31	78	C	51	1		00.00	00.00	720	2H	5	8.86	38	
31	78	C	43	2		00.00	00.00	720	6H	5	3.60	10	
32	78	C	50	1		00.00	00.00	720	2H	5	6.88	38	
32	78	C	40	2		00.00	00.00	720	6H	5	5.03	10	
32	78	C	<20	4		00.00	00.00	720	6H	5	2.59	10	
33	78	C	57	1		00.00	00.00	720	2H	5	10.32	38	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
33	78	C	37	2		00.00	00.00	720	6H	5	3.95	10	
33	78	C	20	3		00.00	00.00	720	6H	5	4.65	10	
2	79	C	26	TS		00.70	00.00	720	1H	1	3.03	10	
3	79	C	41	TS		01.00	00.00	720	1H	1	1.64	10	
3	79	C	38	TS		01.30	00.00	720	1H	1	1.19	10	
4	79	C	33	TS		01.60	00.00	720	1H	1	2.01	10	
5	79	C	23	TS		00.50	00.00	720	1H	1	2.99	10	
5	79	C	36	TS		01.50	00.00	720	1H	1	0.86	10	
6	79	C	30	TS		01.10	00.00	720	1H	1	1.57	10	
7	79	C	21	TS		00.40	00.00	720	1H	1	2.33	10	
7	79	C	21	TS		00.90	00.00	720	1H	1	1.55	10	
8	79	C	32	TS		00.50	00.00	720	1H	1	1.36	10	
9	79	C	<20	TS		01.10	00.00	720	1H	1	2.00	10	
10	79	C	<20	TS		00.80	00.00	720	1H	5	0.81	10	
12	79	C	<20	TS		00.90	00.00	720	1H	5	0.60	10	
30	79	C	24	1		00.00	00.00	720	6H	5	3.84	10	
30	79	C	44	2		00.00	00.00	720	6H	5	1.85	10	
2	80	C	35	TS		00.80	00.00	720	1H	1	1.86	10	
3	80	C	42	TS		01.10	00.00	720	1H	1	2.38	10	
5	80	C	26	TS		01.10	00.00	720	1H	1	1.78	10	
7	80	C	28	TS		01.00	00.00	720	1H	1	1.53	10	
8	80	C	<20	TS		01.00	00.00	720	1H	1	1.86	10	

ROW ---	COL ---	LEG ---	INDIC -----	LOC ---	LOC ---	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
29	80	C	34	2		00.00	00.00	720	6H	5	2.00	10	
29	80	C	<20	3		00.00	00.00	720	6H	5	2.27	10	
30	80	C	34	1		00.00	00.00	720	6H	5	3.51	10	
30	80	C	52	2		00.00	00.00	720	3H	5	5.44	38	
30	80	C	30	3		00.00	00.00	720	6H	5	3.02	10	
29	81	C	34	1		00.00	00.00	720	6H	5	2.46	11	
30	81	C	47	1		00.00	00.00	720	6H	5	1.67	11	
30	81	C	39	2		00.00	00.00	720	6H	5	3.54	11	
30	81	C	<20	4		00.00	00.00	720	6H	5	2.06	11	
3	83	C	<20	TS		01.30	00.00	720	1H	1	1.11	11	
3	84	C	<20	TS		01.20	00.00	720	1H	1	1.22	11	
13	88	C	<20	4		00.00	00.00	720	6H	5	2.45	11	
14	88	C	<20	4		00.00	00.00	720	6H	5	3.82	11	
10	89	C	21	2		00.00	00.00	720	6H	5	2.65	11	
10	89	C	<20	3		00.00	00.00	720	6H	5	1.70	11	
11	89	C	58	1		00.00	00.00	720	3H	5	3.52	38	
11	89	C	52	2		00.00	00.00	720	3H	5	3.25	38	
11	89	C	<20	4		00.00	00.00	720	6H	5	2.09	11	
12	89	C	62	1		00.00	00.00	720	2H	5	4.62	38	
12	89	C	21	2		00.00	00.00	720	6H	5	2.09	11	
12	89	C	<20	3		00.00	00.00	720	6H	5	2.62	11	
12	89	C	21	4		00.00	00.00	720	6H	5	2.91	11	
13	89	C	37	1		00.00	00.00	720	6H	5	3.94	11	
13	89	C	42	2		00.00	00.00	720	6H	5	2.52	11	
13	89	C	<20	3		00.00	00.00	720	6H	5	2.00	11	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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13	89	C	<20	4		00.00	00.00	720	6H	5	2.50	11	
13	89	C	<20	5		00.00	00.00	720	6H	5	1.54	11	
14	89	C	44	1		00.00	00.00	720	6H	5	2.23	11	
14	89	C	22	2		00.00	00.00	720	6H	5	2.55	11	
14	89	C	<20	3		00.00	00.00	720	6H	5	3.15	11	
14	89	C	<20	4		00.00	00.00	720	6H	5	2.25	11	
14	89	C	<20	5		00.00	00.00	720	6H	5	1.66	11	
17	89	C	76	1		00.00	00.00	720	2H	5	4.94	38	
17	89	C	<20	4		00.00	00.00	720	6H	5	3.65	11	
8	90	C	51	1		00.00	00.00	720	2H	5	3.21	38	
9	90	C	24	2		00.00	00.00	720	6H	5	2.22	11	
9	90	C	33	3		00.00	00.00	720	6H	5	1.59	11	
9	90	C	22	4		00.00	00.00	720	6H	5	1.36	11	
10	90	C	64	1		00.00	00.00	720	2H	5	5.34	38	
10	90	C	43	1		00.60	00.00	720	6H	5	3.40	11	
10	90	C	34	2		00.00	00.00	720	6H	5	3.19	11	
10	90	C	28	3		00.00	00.00	720	6H	5	3.45	11	
10	90	C	38	4		00.00	00.00	720	6H	5	5.64	11	
11	90	C	59	1		00.00	00.00	720	2H	5	2.22	38	
11	90	C	33	1		01.50	00.00	720	6H	5	1.17	11	
11	90	C	32	2		00.00	00.00	720	6H	5	3.96	11	
11	90	C	28	3		00.00	00.00	720	6H	5	3.06	11	
11	90	C	42	4		00.00	00.00	720	6H	5	2.53	11	
11	90	C	30	5		00.00	00.00	720	6H	5	2.33	11	
11	90	C	43	5		00.90	00.00	720	6H	5	1.30	11	
12	90	C	28	1		00.00	00.00	720	6H	5	2.17	11	
12	90	C	28	2		00.00	00.00	720	6H	5	3.12	11	
12	90	C	37	3		00.00	00.00	720	6H	5	3.36	11	
13	90	C	38	1		00.10	00.00	720	6H	5	2.88	11	

ROW	COL	LEG	INDIC	LOC	LOC	INCH	INCH	PS	CE	CH	VOLT	REEL	TURNS
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13	90	C	21	1		00.40	00.00	720	6H	5	2.39	11	
13	90	C	35	1		00.80	00.00	720	6H	5	1.78	11	
13	90	C	24	2		00.00	00.00	720	6H	5	3.40	11	
13	90	C	34	3		00.00	00.00	720	6H	5	4.20	11	
14	90	C	43	1		00.00	00.00	720	6H	5	4.57	11	
14	90	C	30	2		00.00	00.00	720	6H	5	4.40	11	
14	90	C	30	3		00.00	00.00	720	6H	5	3.69	11	
14	90	C	<20	4		00.00	00.00	720	6H	5	2.48	11	
15	90	C	<20	3		00.00	00.00	720	6H	5	2.25	11	
8	91	C	32	1		00.00	00.00	720	6H	5	5.03	11	
8	91	C	24	1		01.00	00.00	720	6H	1	2.55	11	
8	91	C	33	2		00.00	00.00	720	6H	5	5.19	11	
8	91	C	<20	3		00.00	00.00	720	6H	5	2.81	11	
9	91	C	40	1		00.00	00.00	720	6H	5	6.38	12	
9	91	C	38	2		00.00	00.00	720	6H	5	2.20	12	
9	91	C	38	3		00.00	00.00	720	6H	5	7.64	12	
9	91	C	46	4		00.00	00.00	720	6H	5	2.13	12	
9	91	C	28	5		00.00	00.00	720	6H	5	2.99	12	
10	91	C	34	2		00.00	00.00	720	6H	5	2.67	12	
10	91	C	38	3		00.00	00.00	720	6H	5	1.96	12	
10	91	C	<20	4		00.00	00.00	720	6H	5	15.04	12	
11	91	C	24	2		00.00	00.00	720	6H	5	2.22	12	
11	91	C	38	3		00.00	00.00	720	6H	5	3.59	12	
12	91	C	<20	1		00.00	00.00	720	6H	5	16.17	12	
12	91	C	<20	2		00.00	00.00	720	6H	5	2.19	12	
12	91	C	29	3		00.00	00.00	720	6H	5	2.51	12	
12	91	C	<20	4		00.00	00.00	720	6H	5	1.80	12	
2	92	C	50	1		00.00	00.00	720	2H	5	2.15	38	
4	92	C	23	1		00.00	00.00	720	6H	5	2.58	38	

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LISTING OF INDICATIONS F CPL C COLD LEG NOVEMBER 83

ROW ----	COL ----	LEG ----	INDIC -----	LOC ----	LOC ----	INCH -----	INCH -----	PS --	CE --	CH --	VOLT -----	REEL -----	TURNS -----
5	92	C	20	2		00.00	00.00	720	6H	5	1.37	12	
7	92	C	<20	2		00.00	00.00	720	6H	5	1.55	12	
7	92	C	<20	3		00.00	00.00	720	6H	5	2.05	12	
8	92	C	<20	2		00.00	00.00	720	6H	5	1.49	12	
8	92	C	<20	3		00.00	00.00	720	6H	5	1.37	12	