



Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 1 Page 53 of 102

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Elevation

Permanent Datum Pad Level Elevation
Log Measured From Pad Level
Drilling Measured From Pad Level

K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1646'		
Top Log Interval	1085'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	08:15 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	D.Daigle (ASRus)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				
Casing Record		Size	Wgt/Ft	Top		Bottom	
Surface String		64"	0.375" WT	SURFACE		33'	
Prot. String		54"	0.375" WT	SURFACE		255'	
Production String		44"	0.375" WT	SURFACE		1090'	
Liner						LTP1.db	
Invoice No.		2011102	P.O. #.	8fld/las/pdf		* FINAL PRINT *	

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

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Comments

Sonic Porosity was run on a Limestone Matrix (=47.5)

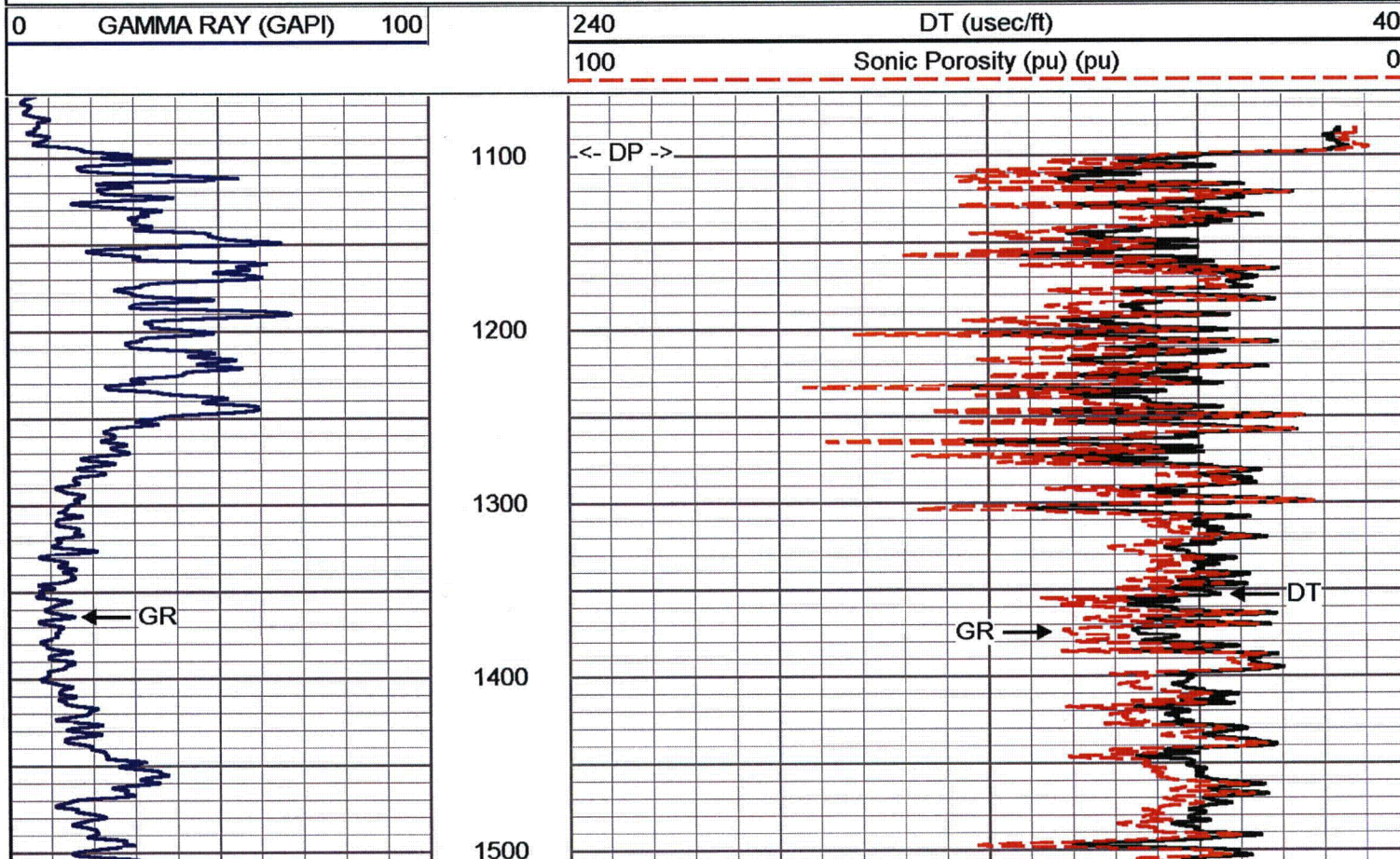
Drill Pipe set to 1098'

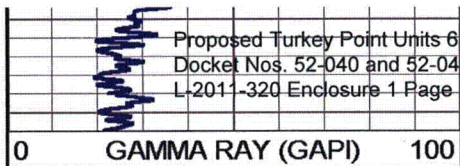
Full Riser / Hydraulic Packoff

MV
Geophysical

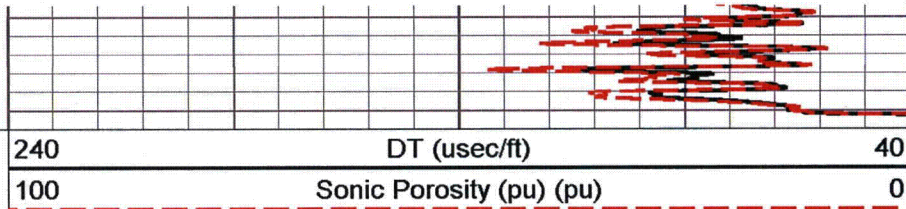
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Dataset Pathname: run7/MAIN
Presentation Format: DTG-11
Dataset Creation: Tue Jul 12 02:36:16 2011
Charted by: Depth in Feet scaled 1:1200





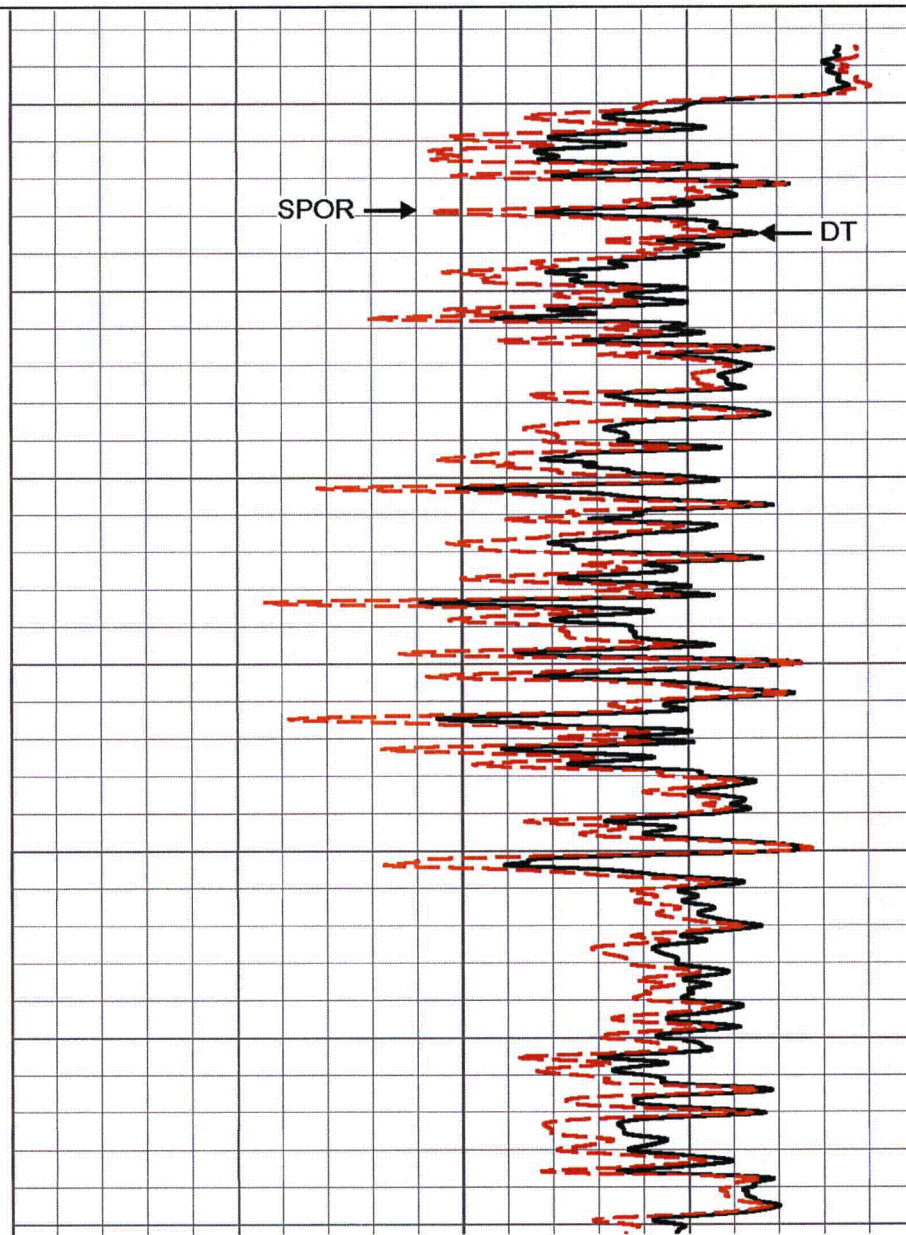
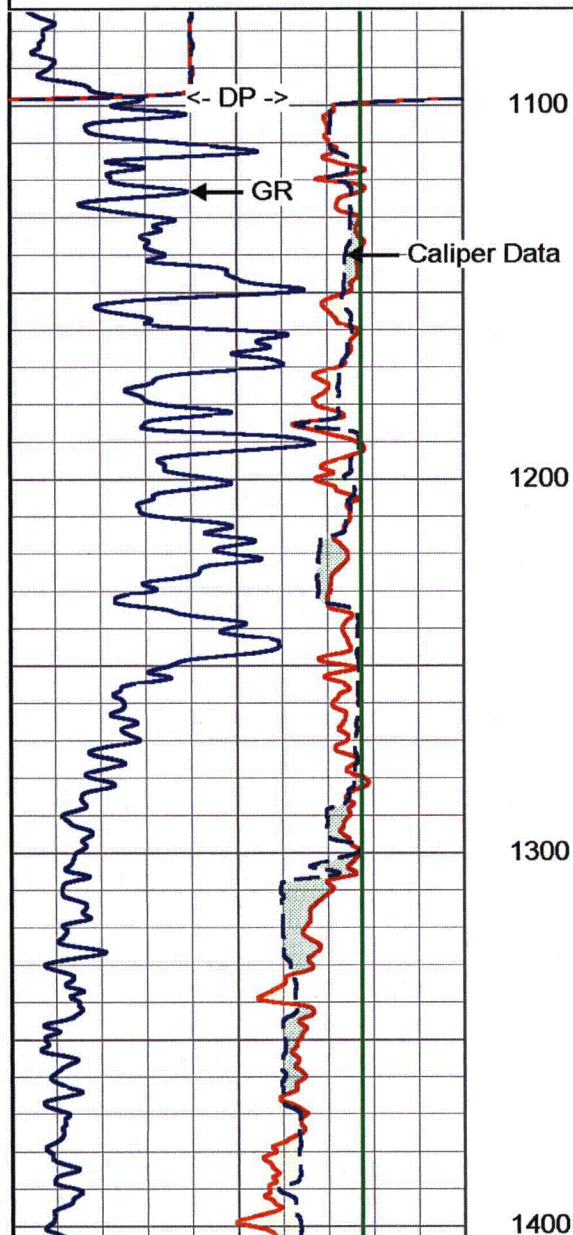
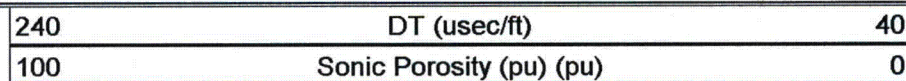
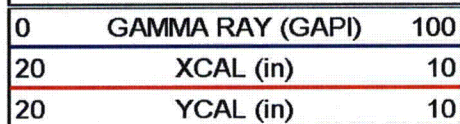
1600
-< TD ->

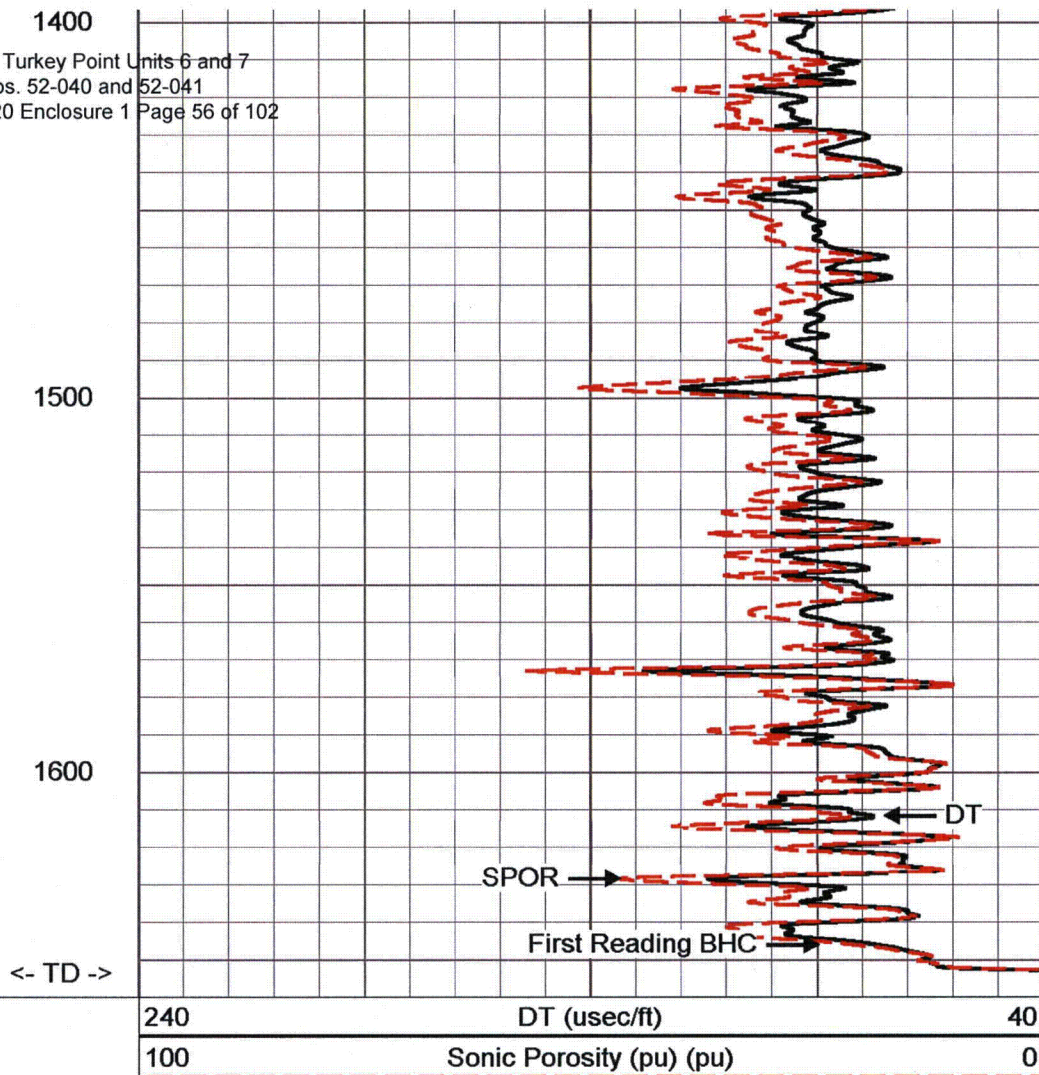
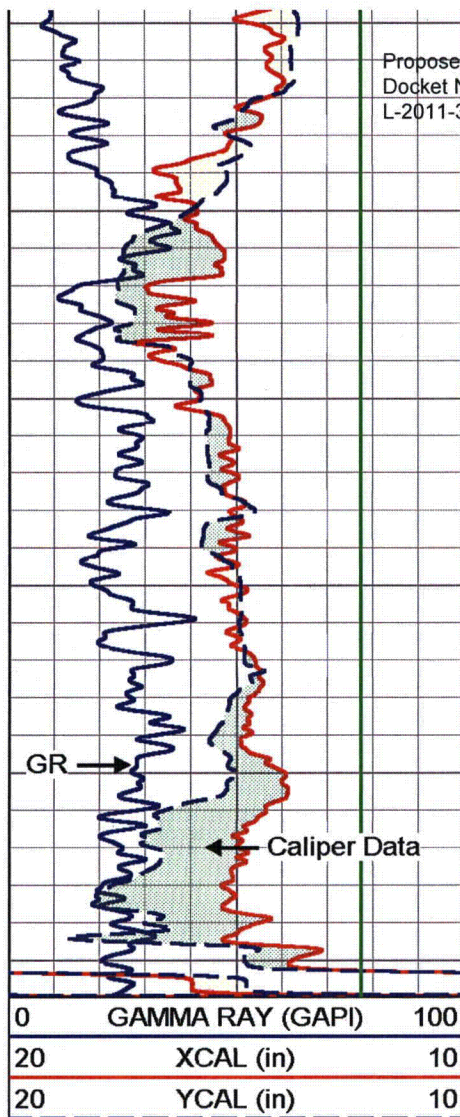


MV
Geophysical

MAIN PASS

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Presentation Format: DTXY12G1
Dataset Creation: Tue Jul 12 02:36:16 2011
Charted by: Depth in Feet scaled 1:600

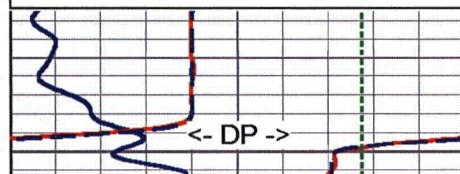
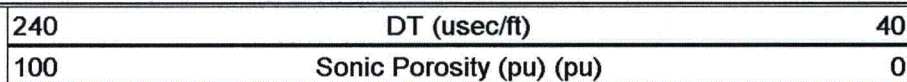
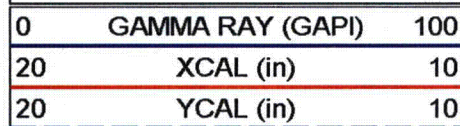




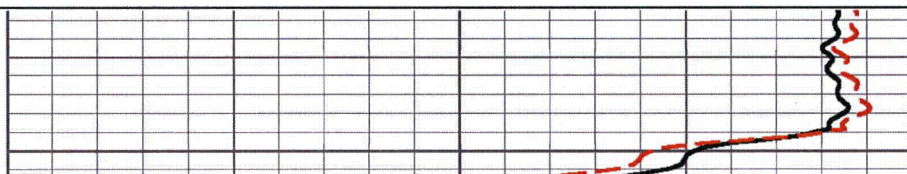
MV
Geophysical

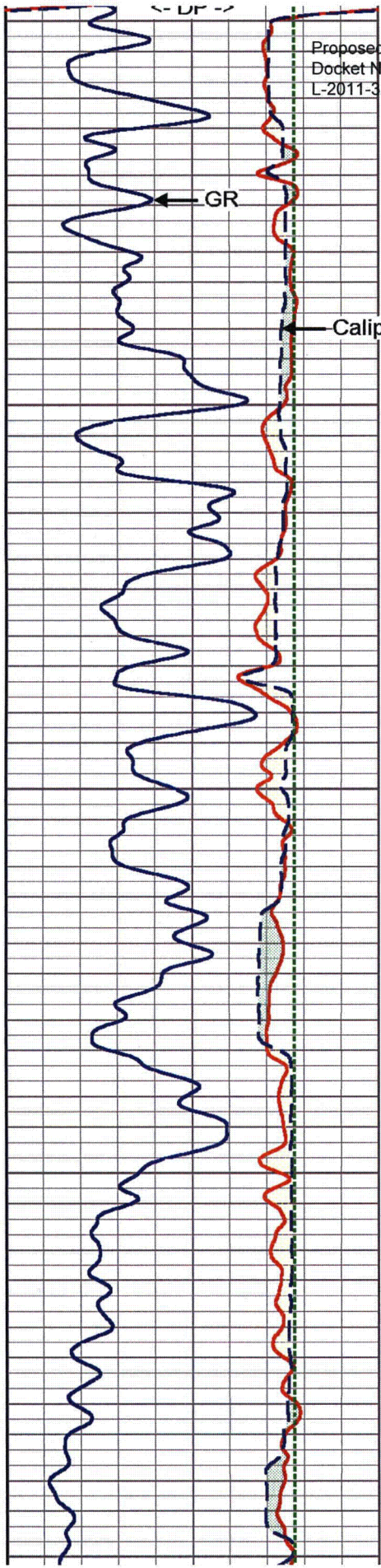
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Dataset Creation: Tue Jul 12 02:36:16 2011
Charted by: Depth in Feet scaled 1:240



1100





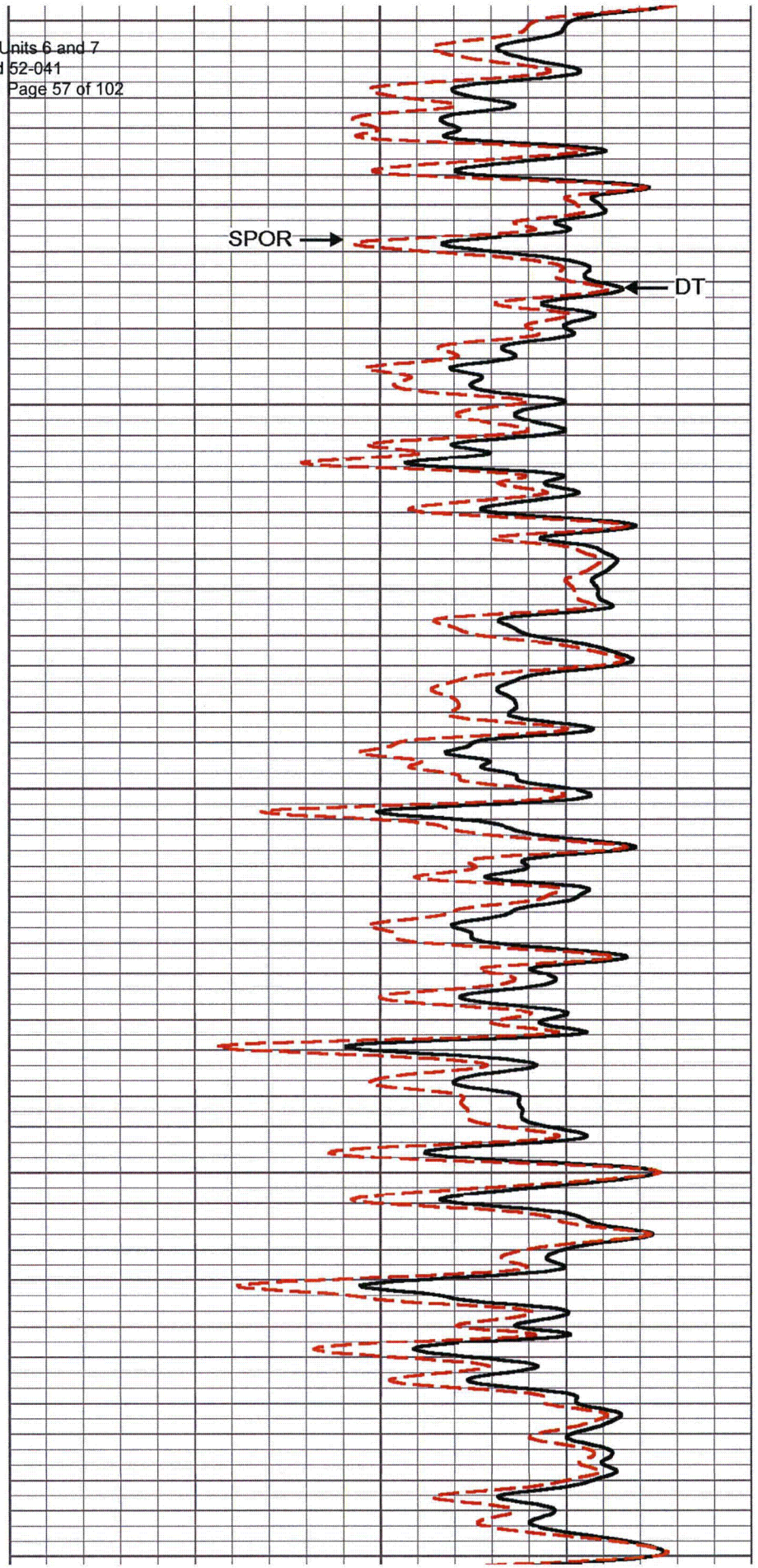
1100
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GR

Caliper Data

1200

1300

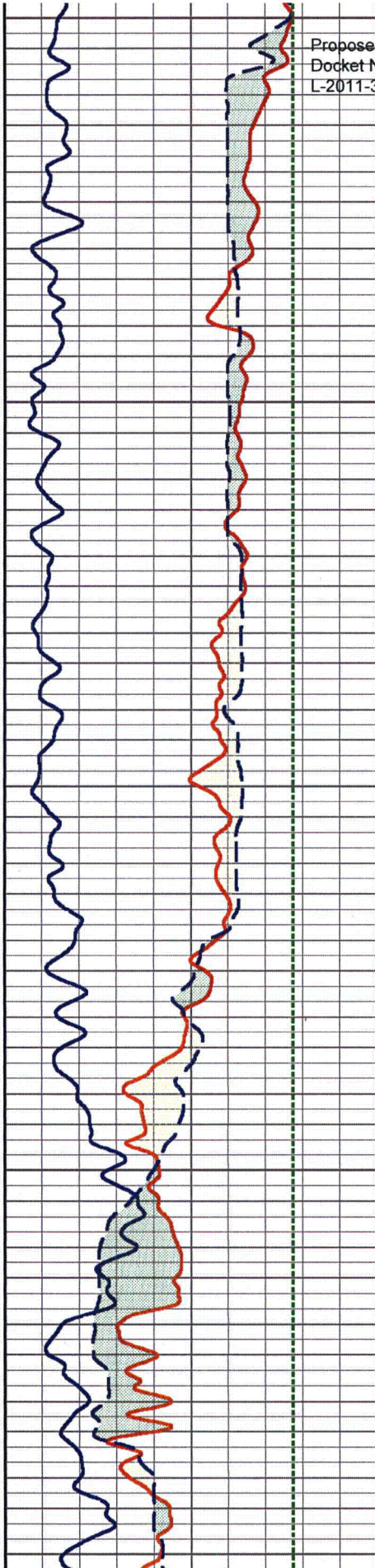


SPOR

DT

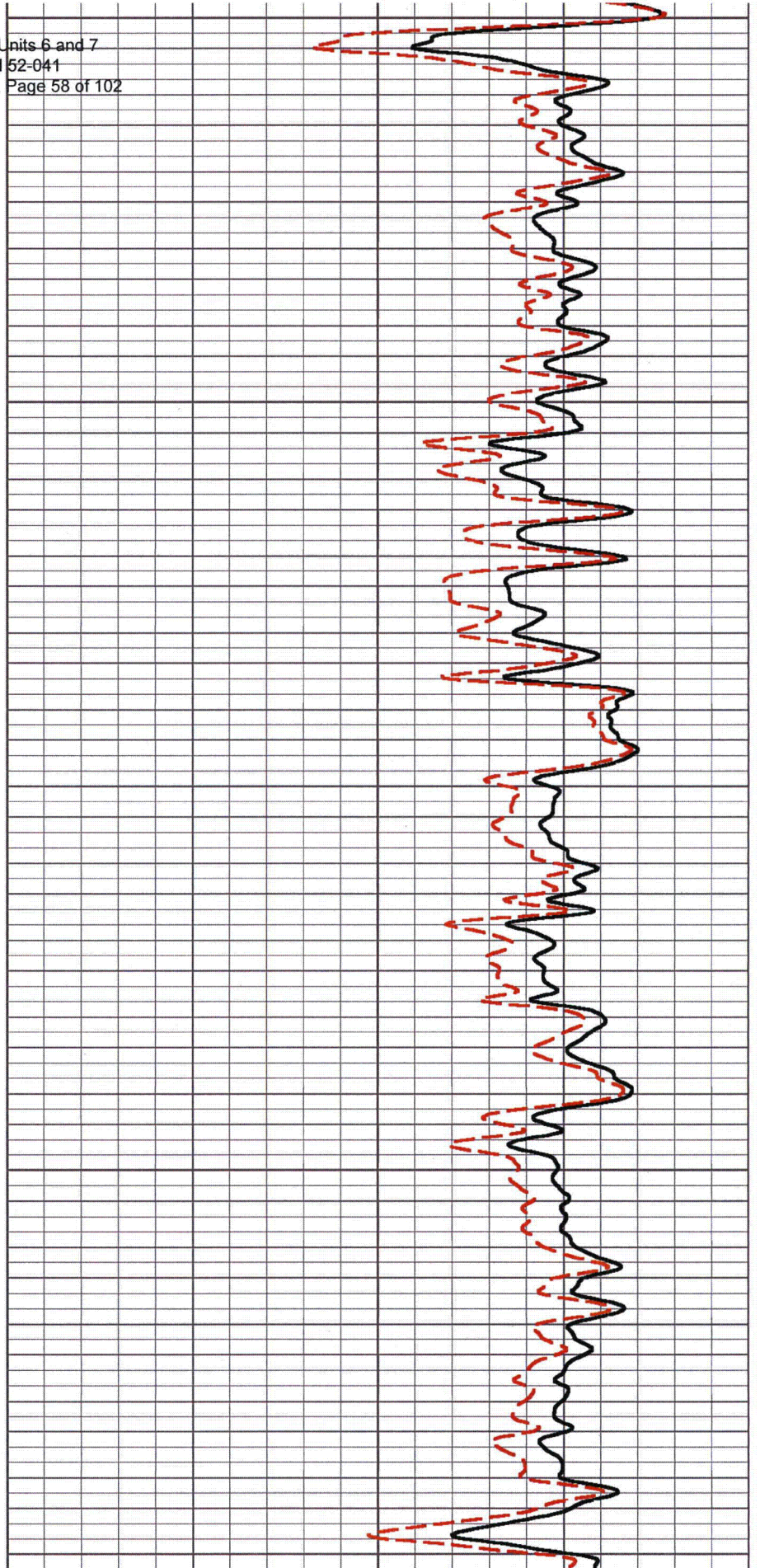
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1400

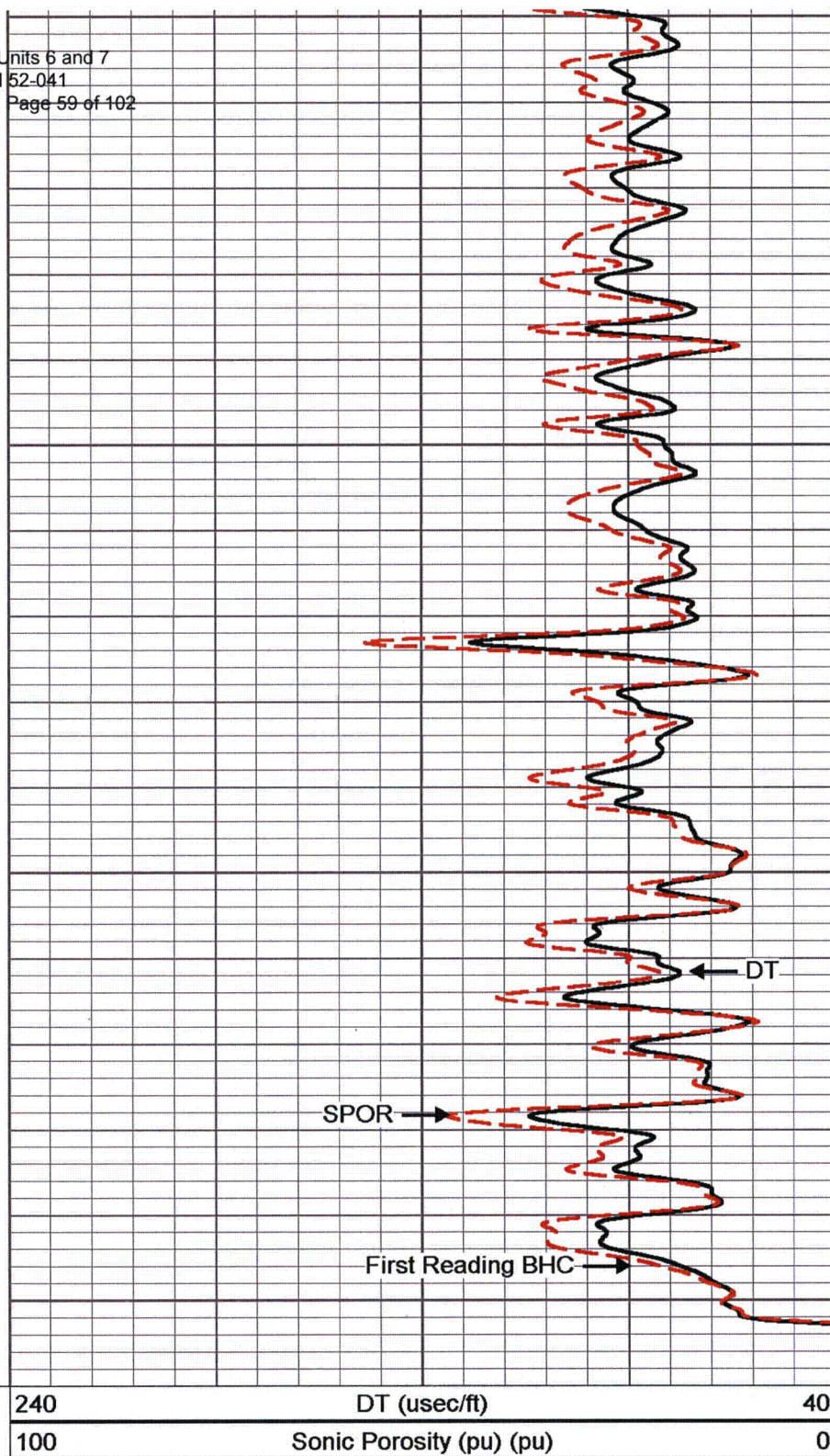
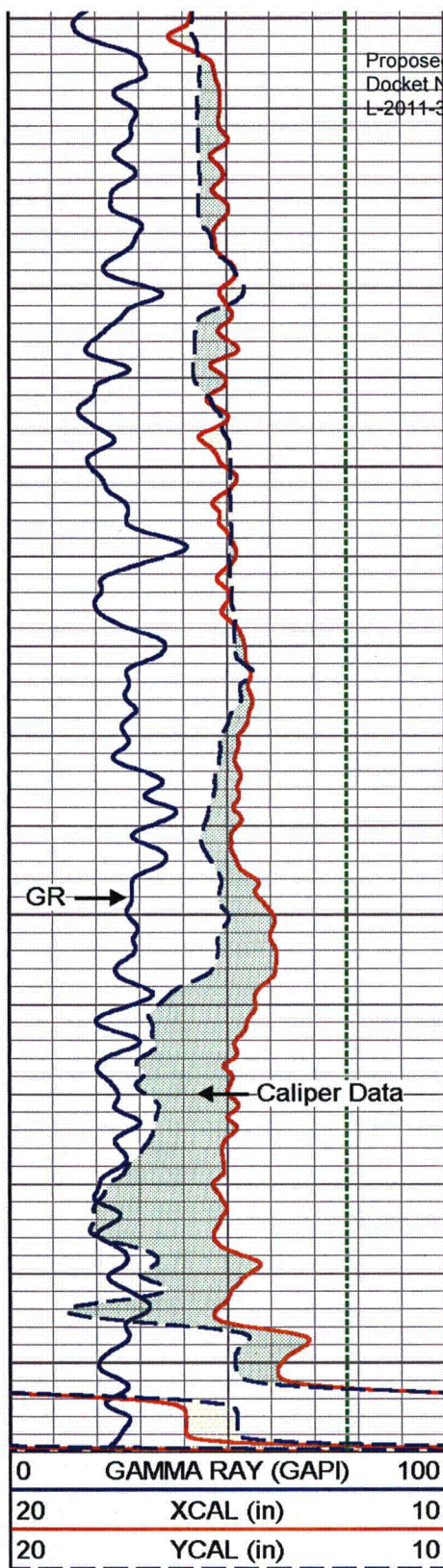
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MV Geophysical

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MAIN PASS

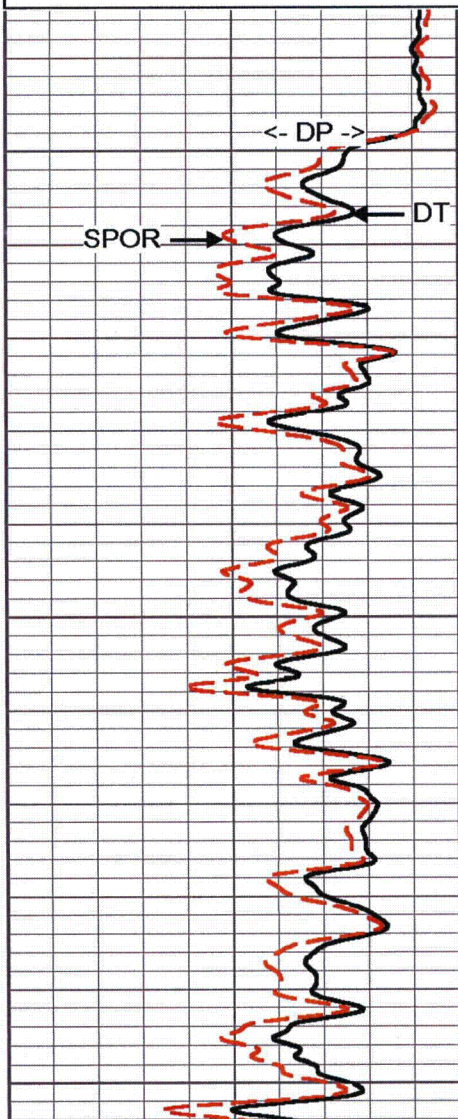
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Presentation Format: SON_VDL
Dataset Creation: Tue Jul 12 02:36:16 2011
Charted by: Depth in Feet scaled 1:240

240	DT (usec/ft)	40
100	SONIC POROSITY (pu)	0

200

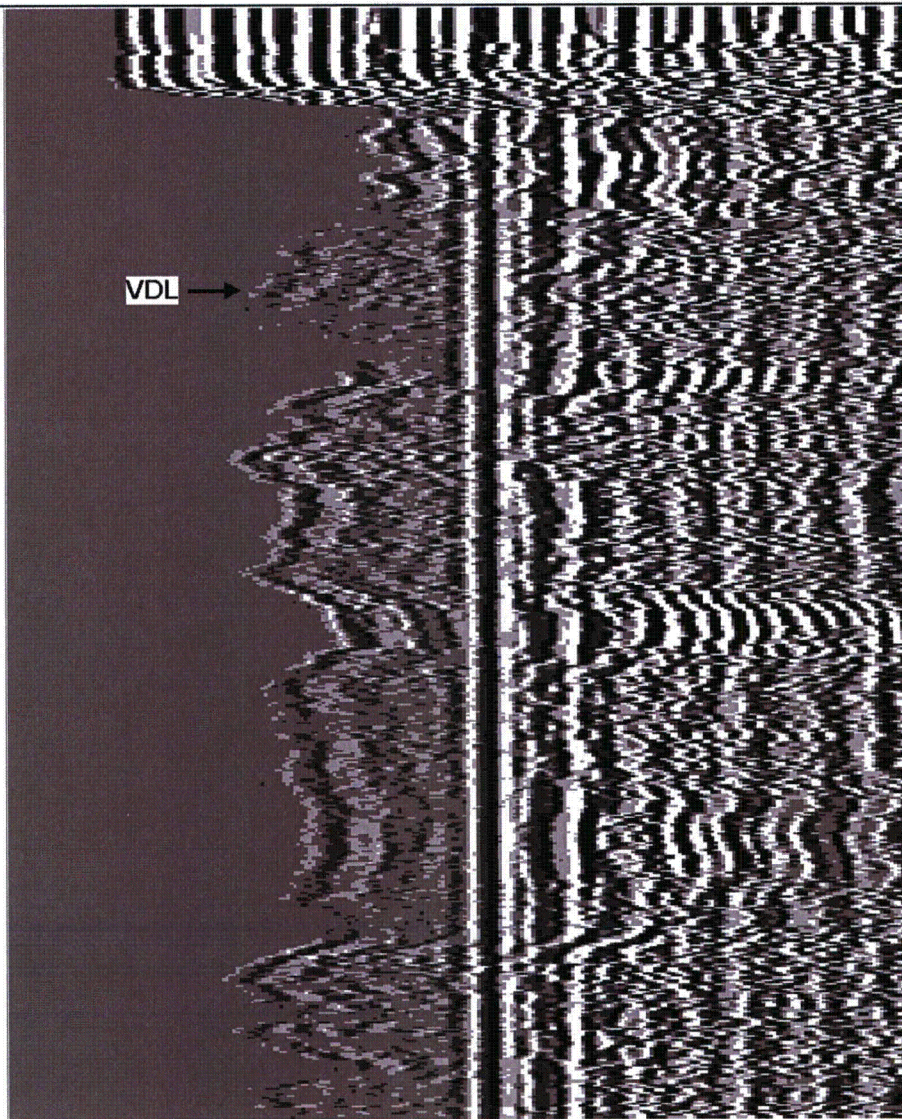
VARIABLE DENSITY LOG

1200



1100

1200

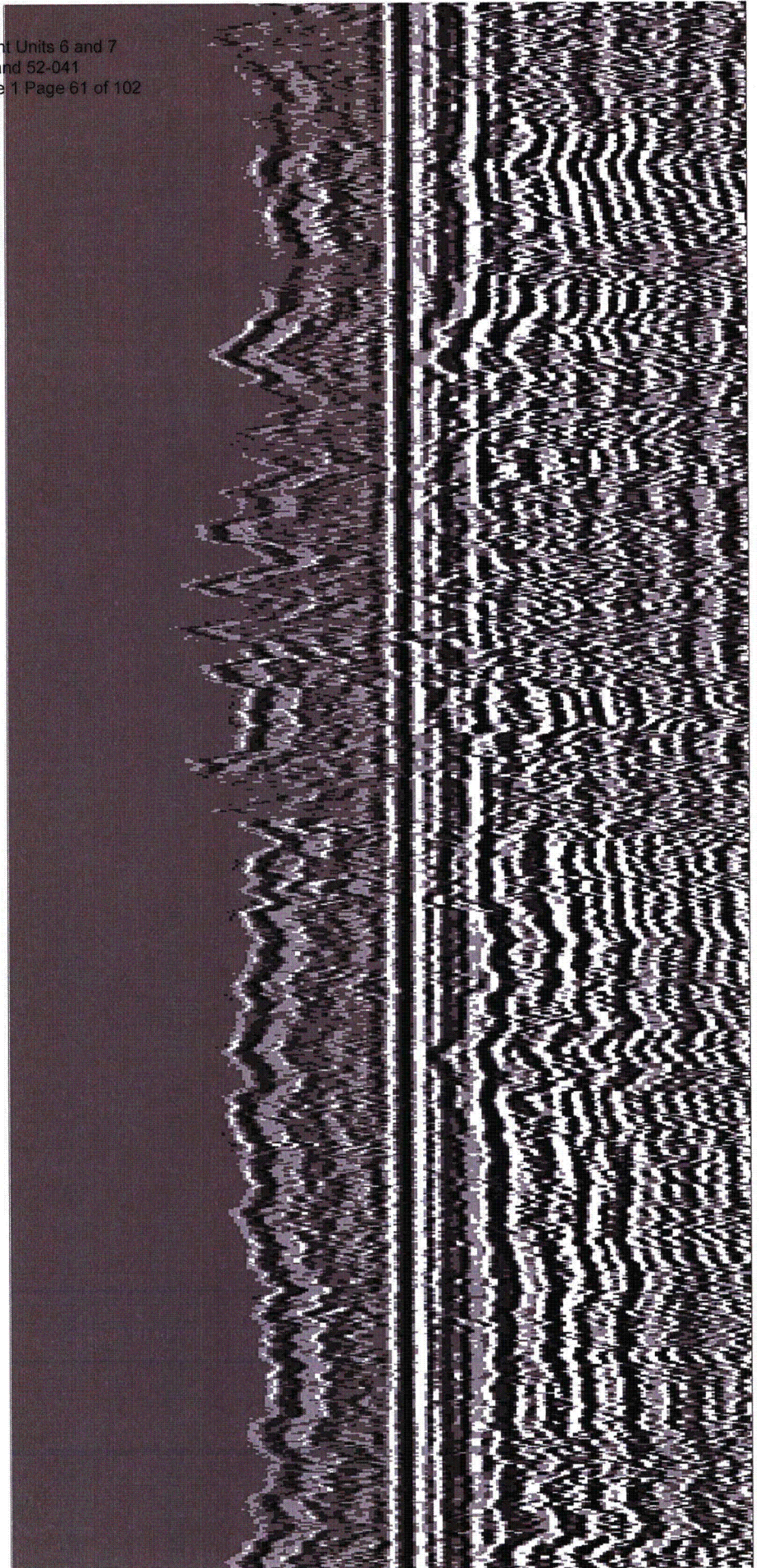


1200

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1300

1400

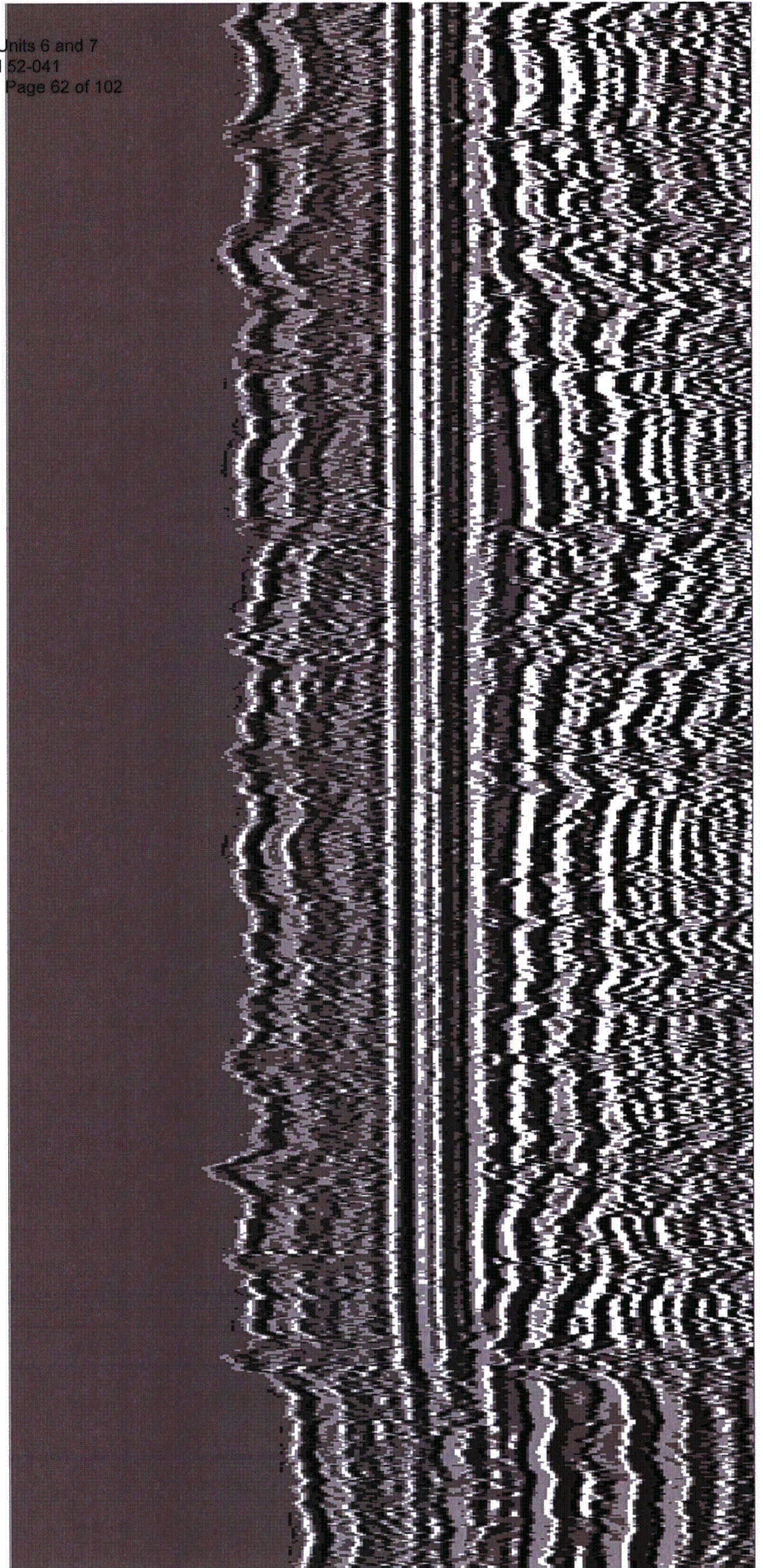


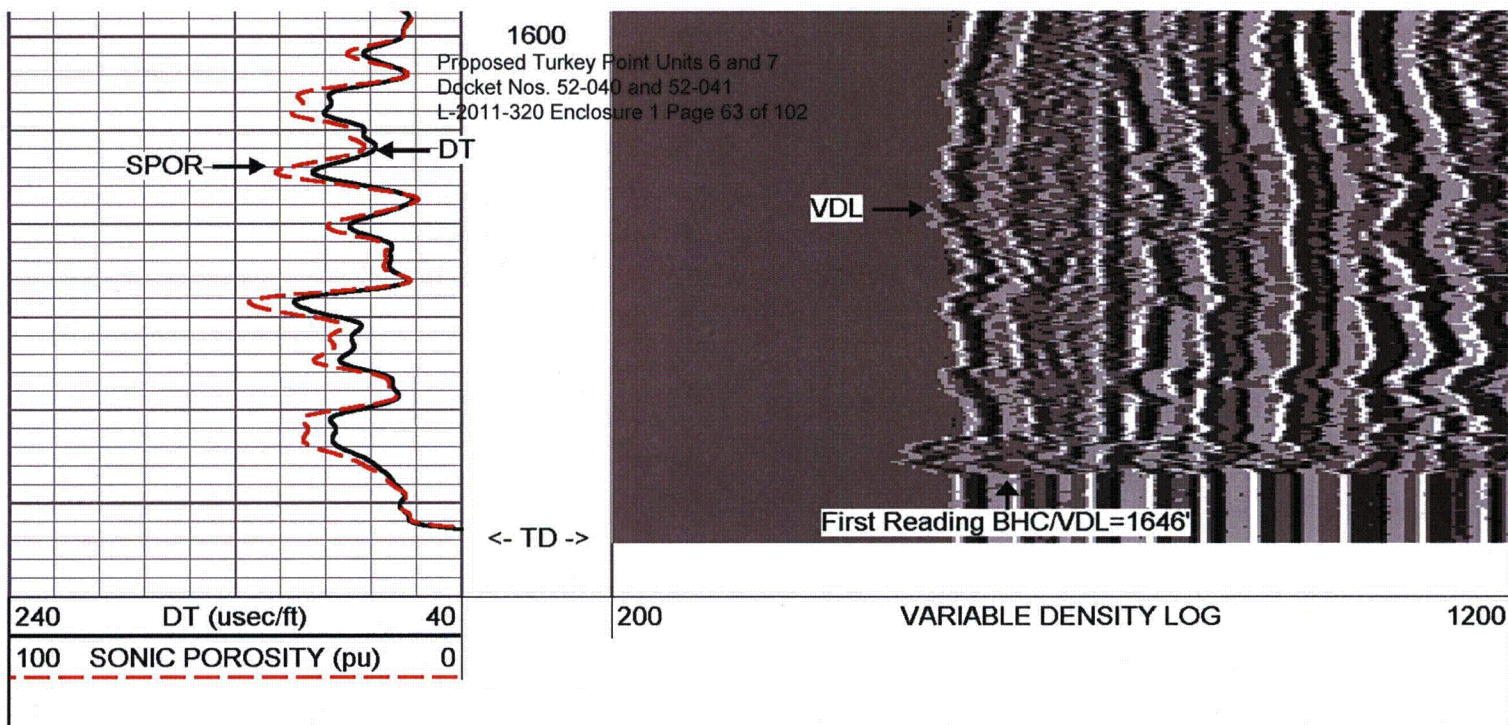
1400

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1500

1600



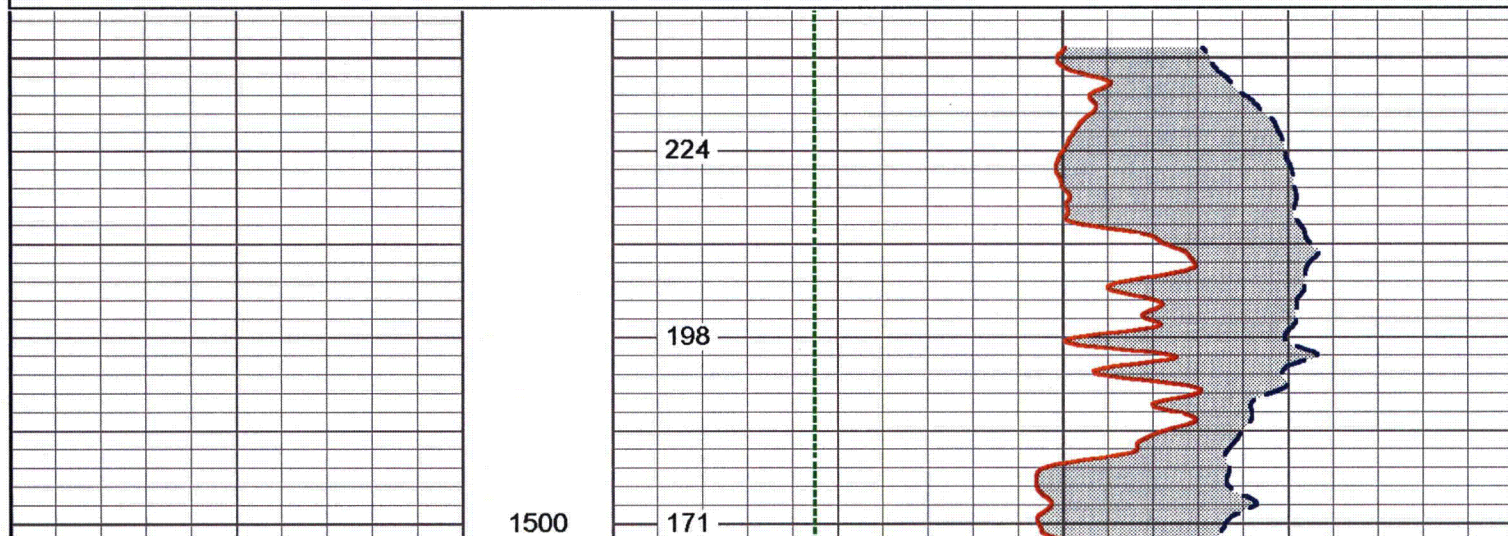


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REPEAT SECTION

Database File: ltp1.db
Dataset Pathname: run6/REPEAT
Presentation Format: XY1020-5
Dataset Creation: Fri Jul 08 22:03:07 2011
Charted by: Depth in Feet scaled 1:240

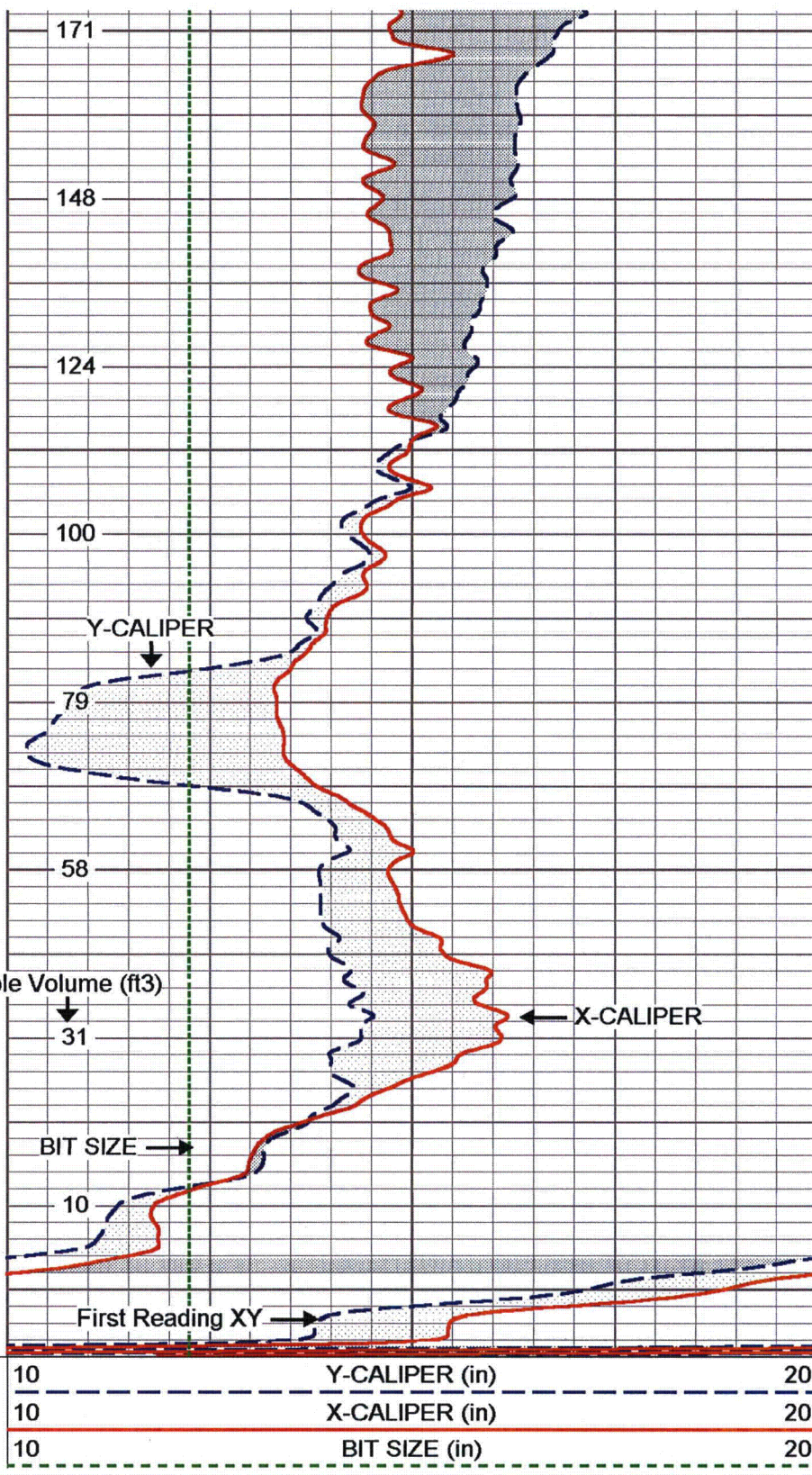
10	Y-CALIPER (in)	20
10	X-CALIPER (in)	20
10	BIT SIZE (in)	20



1500

1600

<- TD ->



WVF1 8.50 ft
WVF3 8.50 ft



TT1 7.50 ft
TT2 7.50 ft
TT3 7.50 ft
TT4 7.50 ft
WVF2 6.50 ft
WVF4 6.50 ft



SLT-GO (245) 127.00 lb 3.50 in OD 16.00 ft

Dataset:	run7/pass17
Total Length:	16.00 ft
Total Weight:	127.00 lb
O.D.	3.50 in

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TDS COMPILATION LOG

Company Layne Christensen Company Well Turkey Point EW-1 Field Florida City County Miami-Dade State/Prv Florida	Company		Layne Christensen Company				
	Well		Turkey Point EW-1				
	Field		Florida City				
	County		Miami-Dade	State/Prv Florida			
Location		FPL Turkey Point Power Plant LAT: 25 25' 19" N LONG: 80 20' 08" W McNabb Hydrogeologic Consulting, Inc.		Other Services XY/GR,FCT DIL,BHC FLO,TDS			
Permanent Datum		Pad Level	Elevation				
Log Measured From		Pad Level	K.B.				
Drilling Measured From		Pad Level	D.F.				
			G.L.				
Date	12-JUL-2011						
Run Number	SIX-d						
Depth Driller	1655'						
Depth Logger	1654'						
Bottom Logged Interval	1654'						
Top Log Interval	1045'						
Open Hole Size	12.25"						
Type Fluid	H2O						
Density / Viscosity	N/A						
Max. Recorded Temp.	see FCT log						
Estimated Cement Top	SURFACE						
Time Well Ready	01:15 7/12/2011						
Time Logger on Bottom	03:00 7/12/2011 D	10:00 7/12/2011 S					
Equipment Number	MVGS-1						
Location	Ft. Myers						
Recorded By	S.Miller						
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)					
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	64"	0.375" WT	SURFACE	33'			
Prot. String	54"	0.375" WT	SURFACE	255'			
Production String	44"	0.375" WT	SURFACE	1090'			
Liner				LTP1.db			
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *			

\\nas01p01.vvv

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Comments

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The TDS compilation plot is derived from Dual Induction,
Borehole Compensated Sonic, Fluid Conductivity and Caliper data.

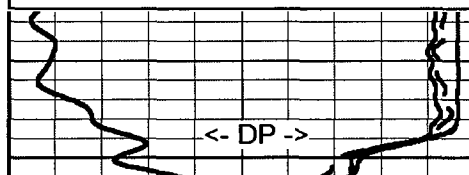
Drill Pipe set to 1098'

MV
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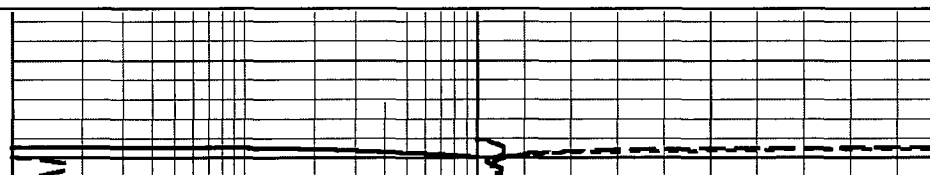
MAIN PASS

Database File: ltp1.db
Dataset Pathname: run7/MAIN
Presentation Format: TDSPC3
Dataset Creation: Tue Jul 12 02:36:16 2011
Charted by: Depth in Feet scaled 1:240

240	Delta T (usec/ft)	40	100	TDS (ppm)	10000	0	RLL3 (Ohm-m)	100
100	spor (pu)	0	10000	TDS (ppm)	1e+006	0	RILM (Ohm-m)	100
35	XCAL (in)	5				0	RILD (Ohm-m)	100
35	YCAL (in)	5						
0	Gamma Ray (GAPI)	100						



1100

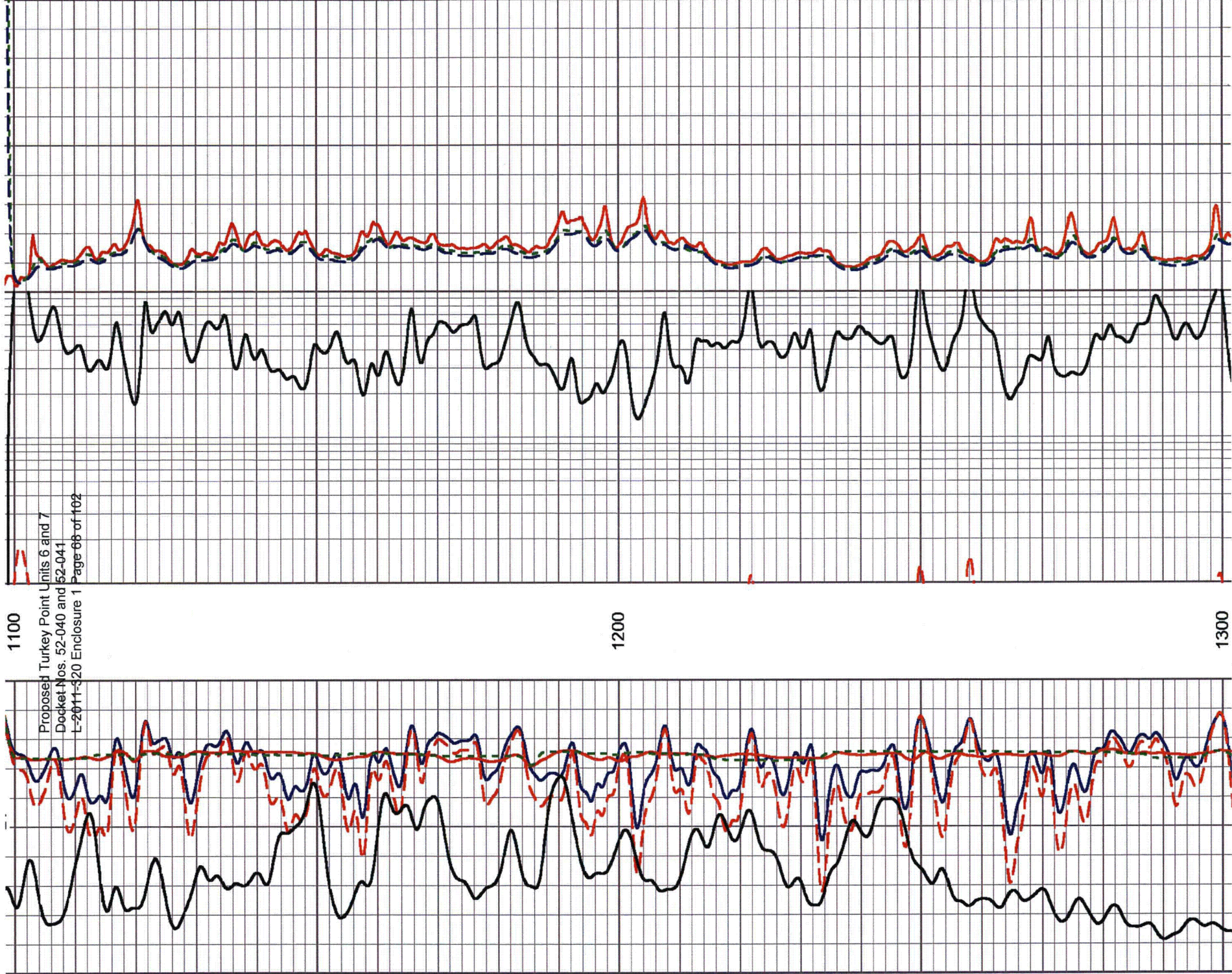


1100

1200

1300

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Docket Nos. 52-040 and 52-041
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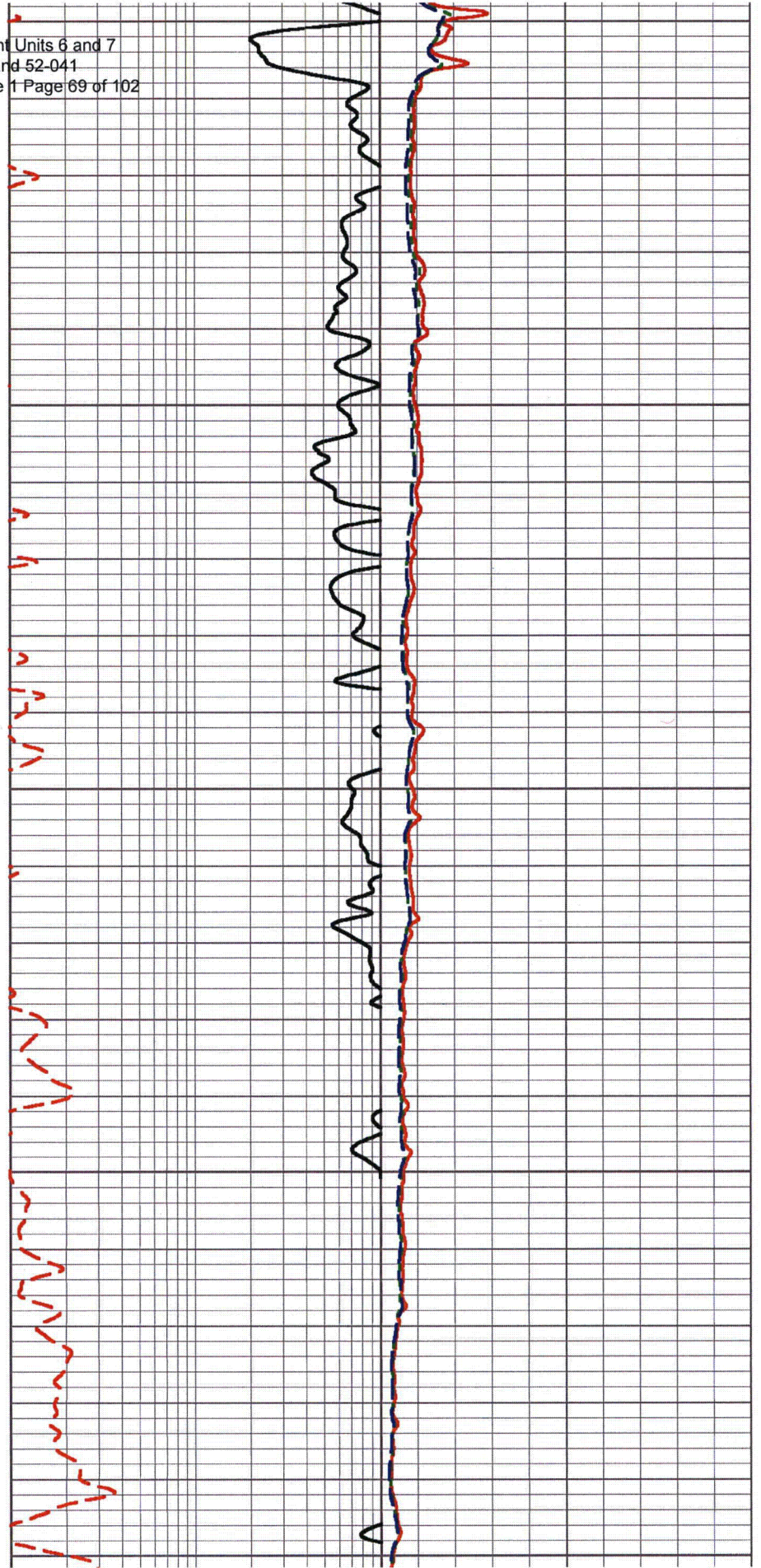
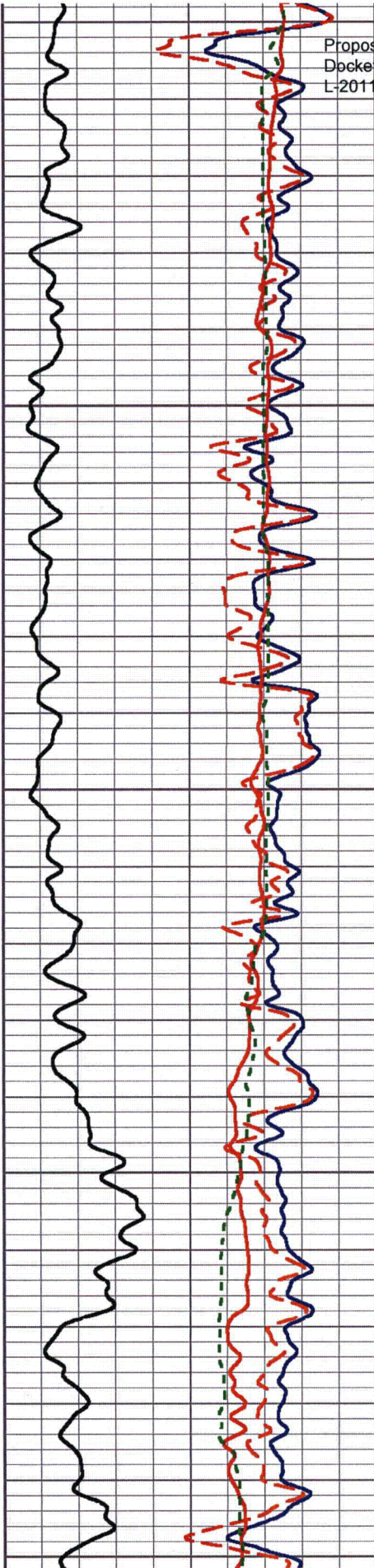


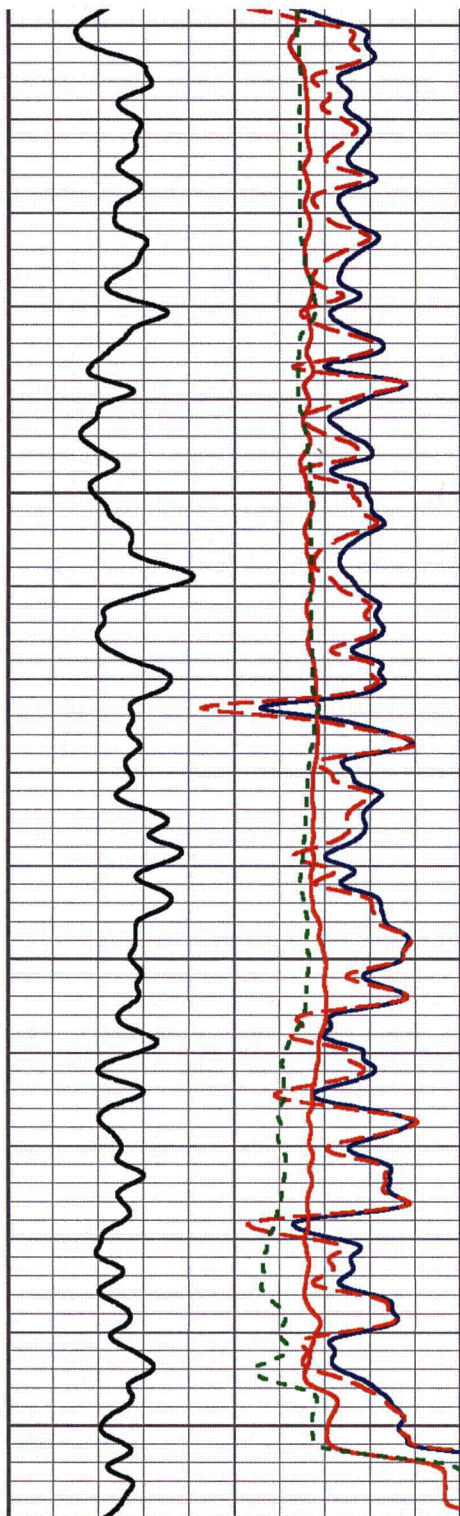
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1400

1500



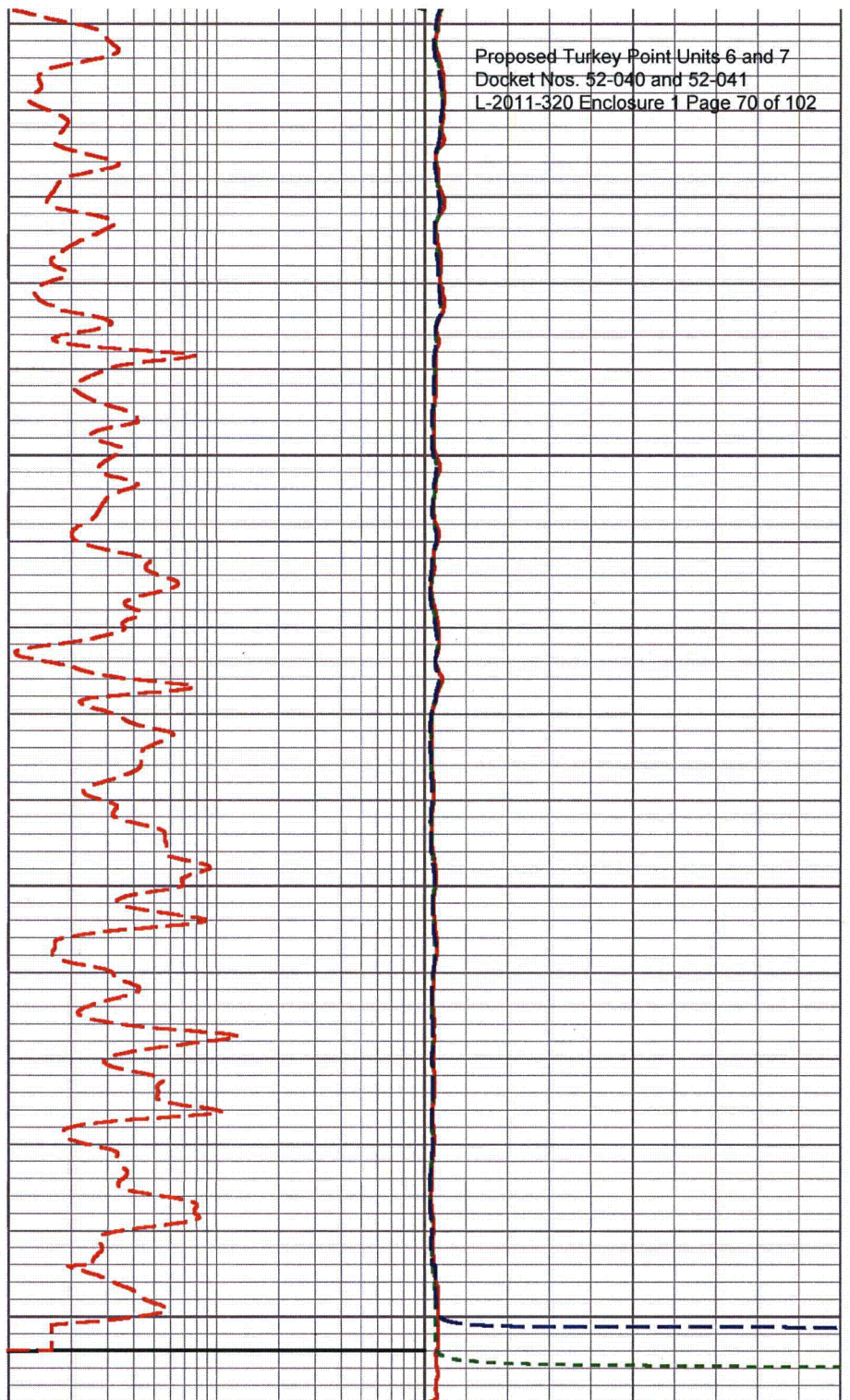


240	Delta T (u sec/ft)	40
100	spor (pu)	0
35	XCAL (in)	5
35	YCAL (in)	5
0	Gamma Ray (GAPI)	100

1500

1600

<- TD ->



100	TDS (ppm)	10000	0	RLL3 (Ohm-m)	100
10000	TDS (ppm)	1e+006	0	RILM (Ohm-m)	100
			0	RILD (Ohm-m)	100

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MV Geophysical

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FLUID CONDUCTIVITY TEMPERATURE LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Elevation

Permanent Datum Pad Level
Log Measured From Pad Level
Drilling Measured From Pad Level

Elevation

K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1654'		
Top Log Interval	1045'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	N/A/N/A		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	03:00 7/12/2011 D	10:00 7/12/2011 S	
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

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Run Number	Bit	From	To	Size	Weight	From	To
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TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record		Size	Wgt/Ft	Top	Bottom
Surface String		64"	0.375" WT	SURFACE	33'
Prot. String		54"	0.375" WT	SURFACE	255'
Production String		44"	0.375" WT	SURFACE	1090'
Liner					LTP1.db
Invoice No.		2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *

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Comments

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DYNAMIC & STATIC down passes were performed.

Cw =5,860 uS/cm @ 7980 degC (from 1600'); Q=285 gpm.

FLUID RESISTIVITY CALIBRATION REPORT (Performed: 19-JUN-11 10:45)

uS/cm	CPS
237.1	3060.32
2578.54	2945.87
4410.24	2673.25

TEMPERATURE CALIBRATION REPORT (Performed: 19-JUN-11 10:15)

DEG-F	CPS
34.9	143.18
139.2	2600.14

Drill Pipe set to 1098'

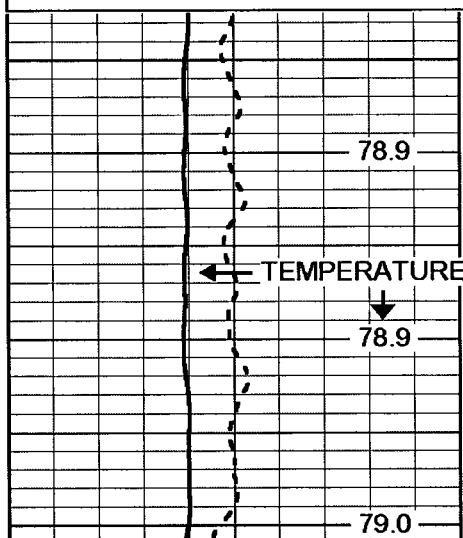
MV
Geophysical

Dynamic FCT Down

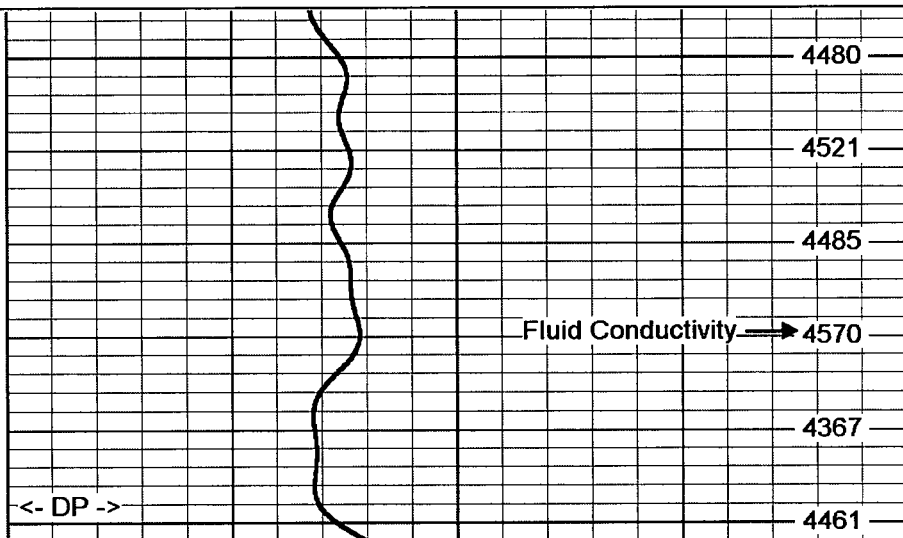
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Dataset Pathname: run7/DFCT
Presentation Format: FCTTP1
Dataset Creation: Tue Jul 12 10:57:40 2011
Charted by: Depth in Feet scaled 1:240

75	TEMP (degF)	85
-0.5	DTMP (degF)	0.5

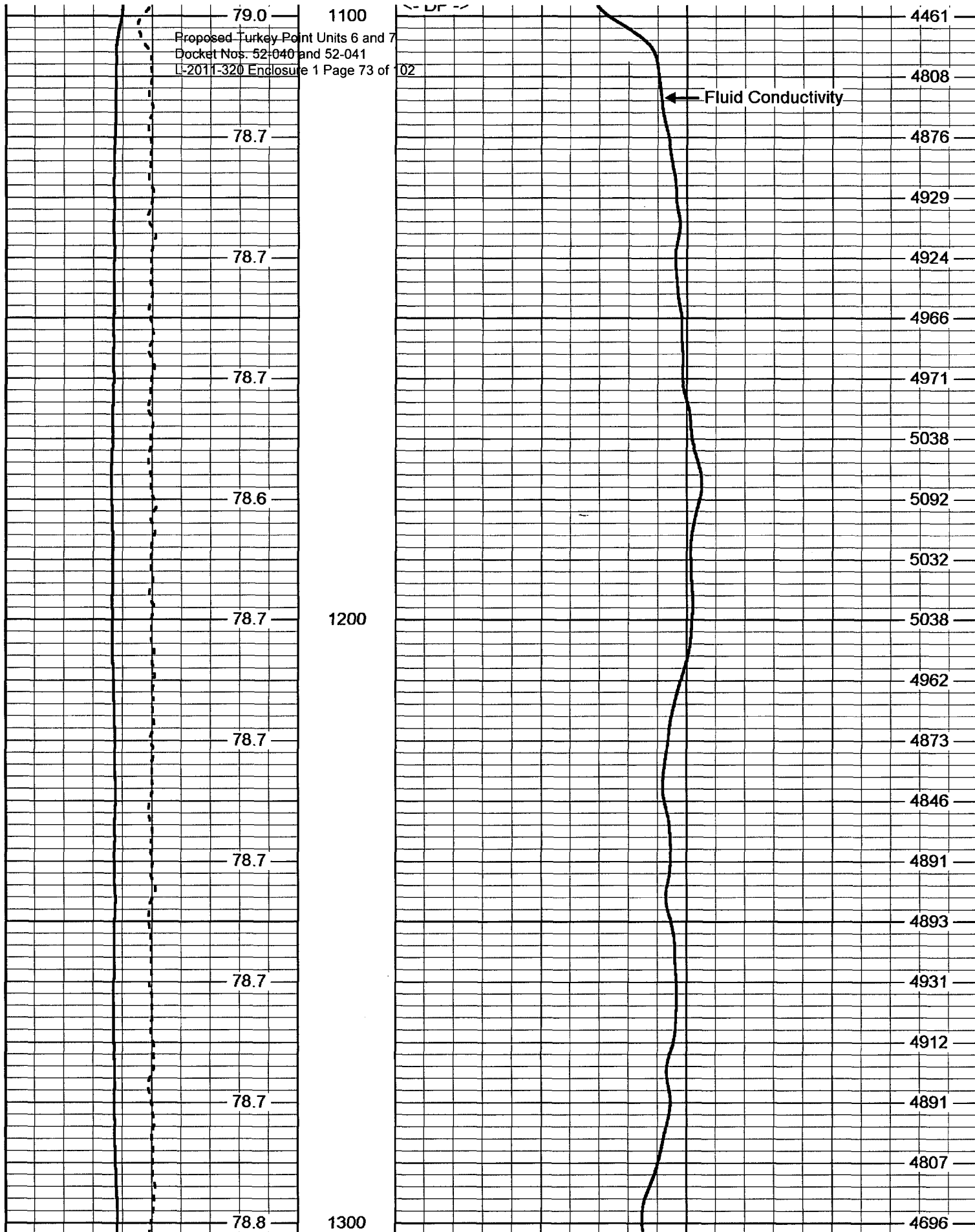
3000	FLUID CONDUCTIVITY (uS/cm)	7000
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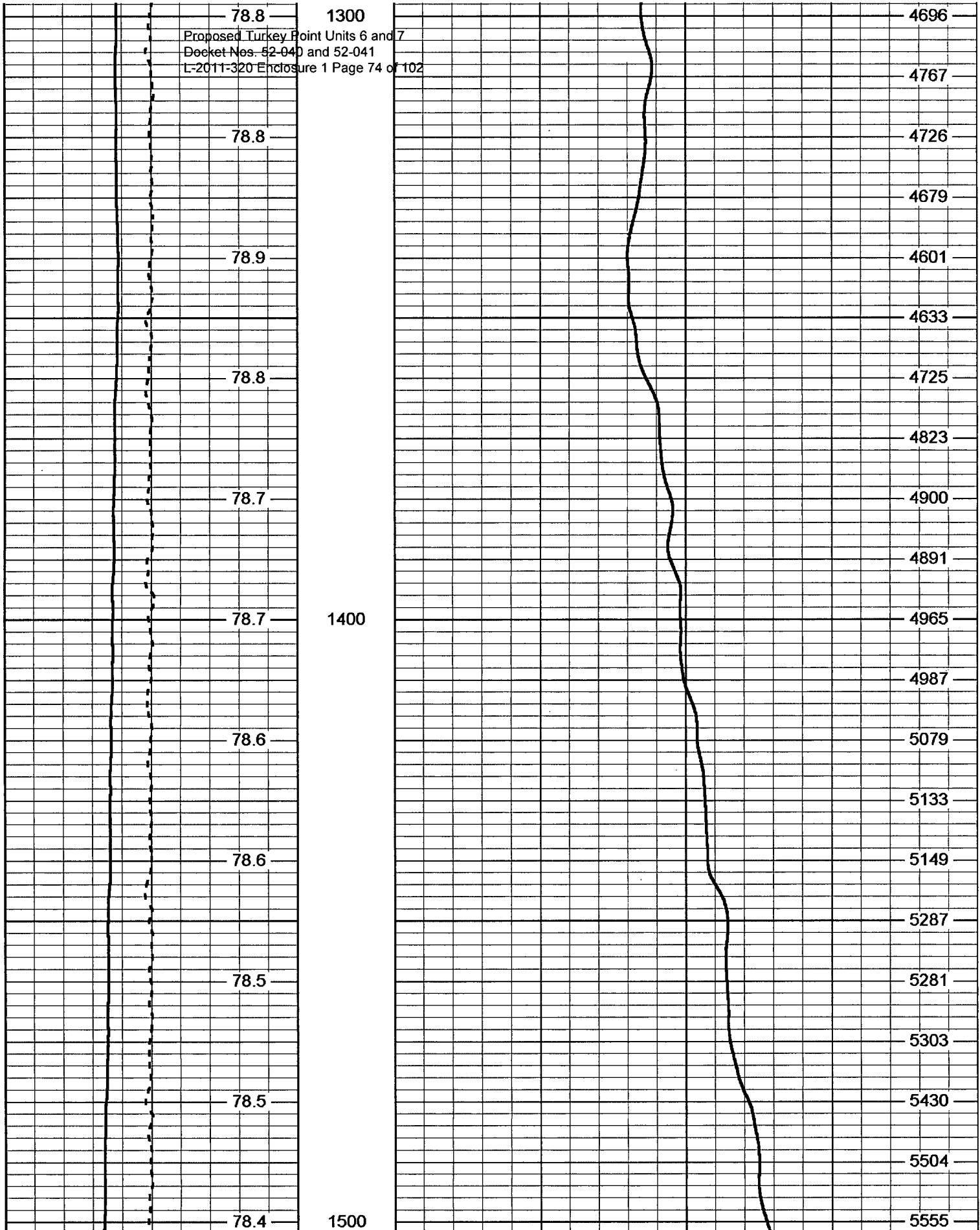


1100

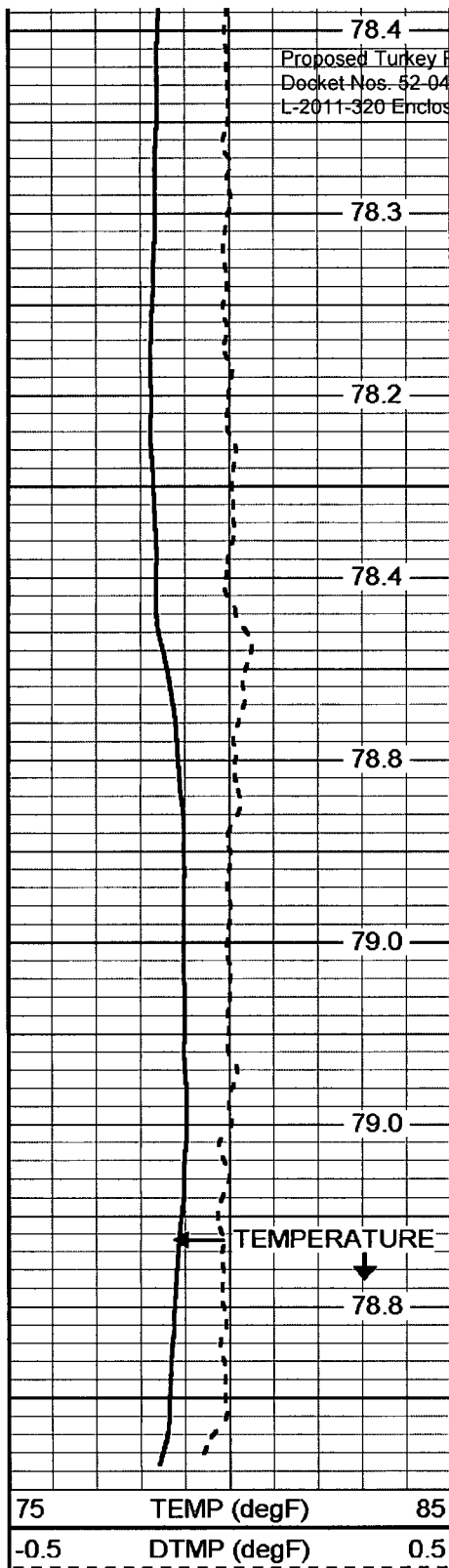


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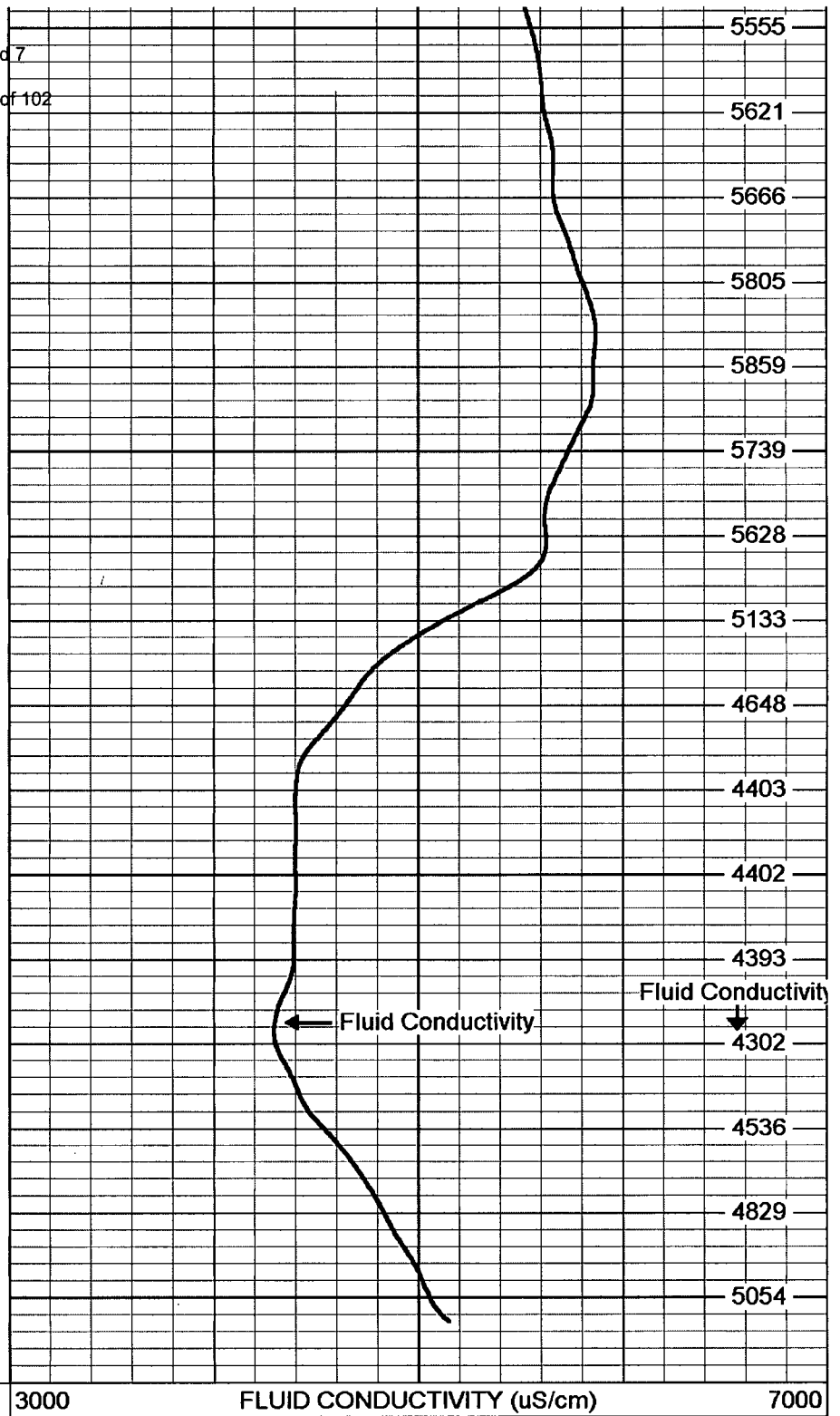


1500
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1600

<- TD ->

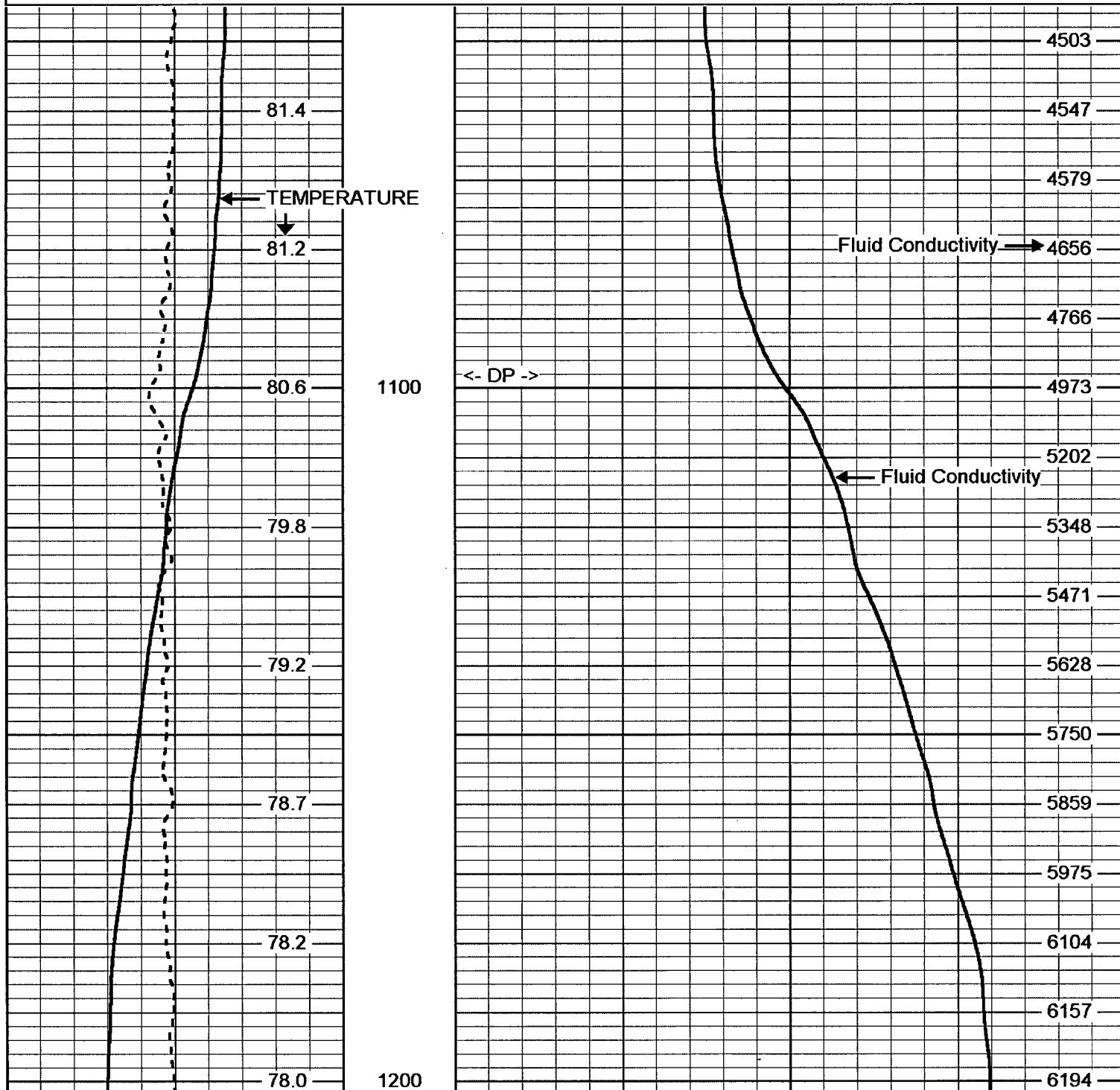


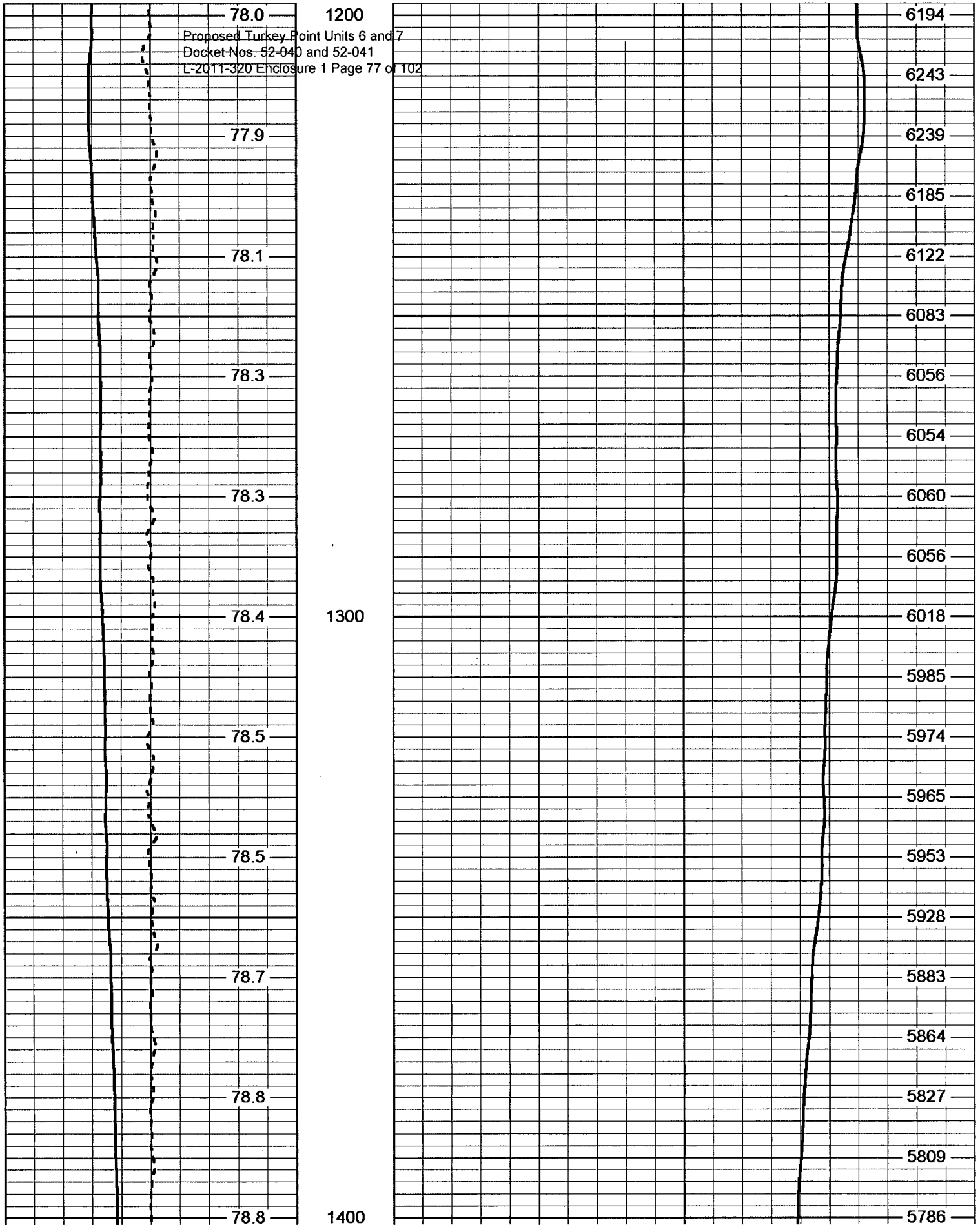
Static FCT Down

Database File: ltp1.db
Dataset Pathname: run7/SFCT
Presentation Format: FCTTP1
Dataset Creation: Tue Jul 12 10:43:55 2011
Charted by: Depth in Feet scaled 1:240

75 TEMP (degF) 85
-0.5 DTMP (degF) 0.5

3000 FLUID CONDUCTIVITY (uS/cm) 7000





78.8 1400
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79.0

78.9

78.9

78.8

78.6

78.6

78.5

78.4

78.6

78.7

1500

1600

5786

5758

5737

5749

5759

5747

5759

5768

5794

5833

5885

5885

5898

5933

5959

6000

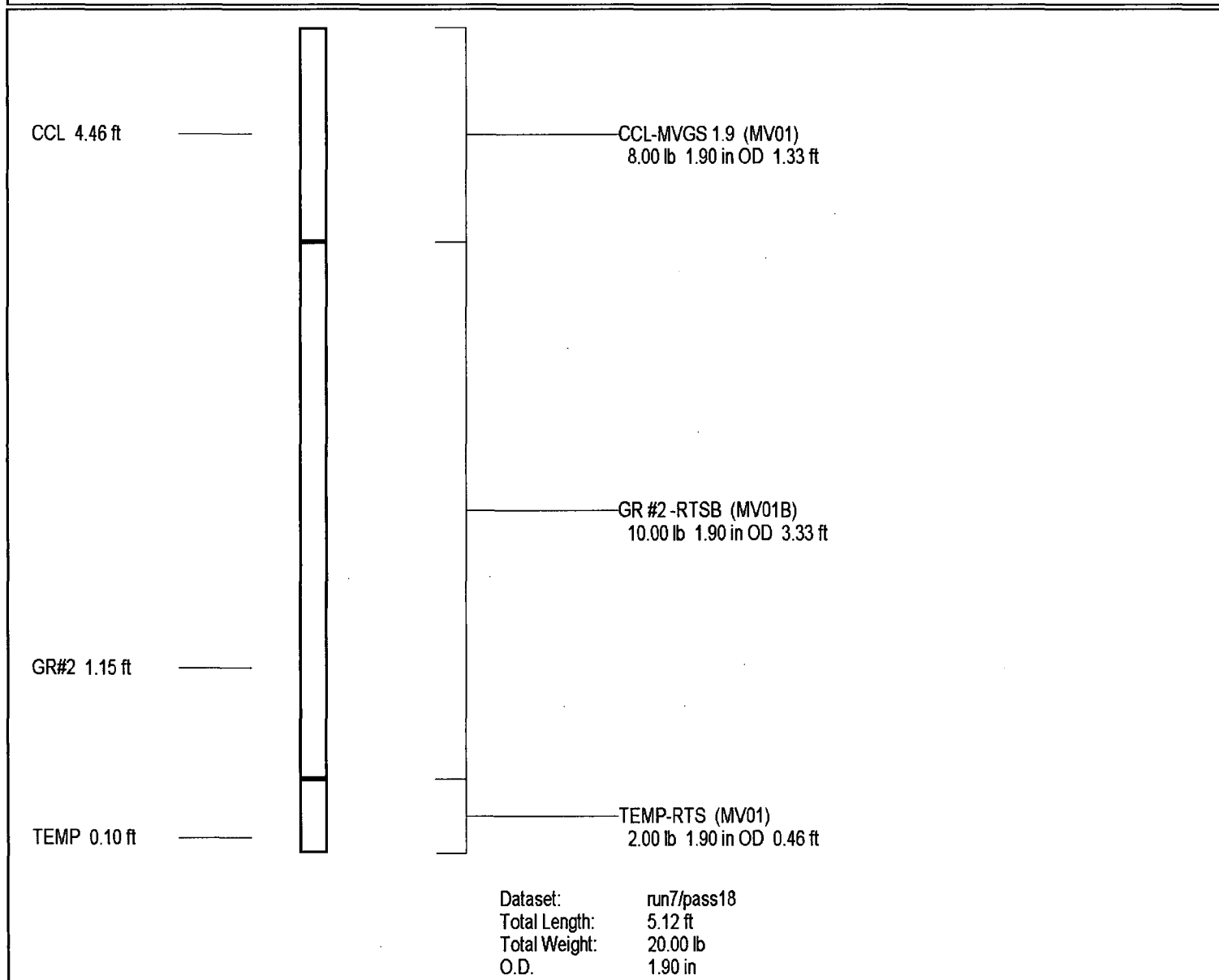
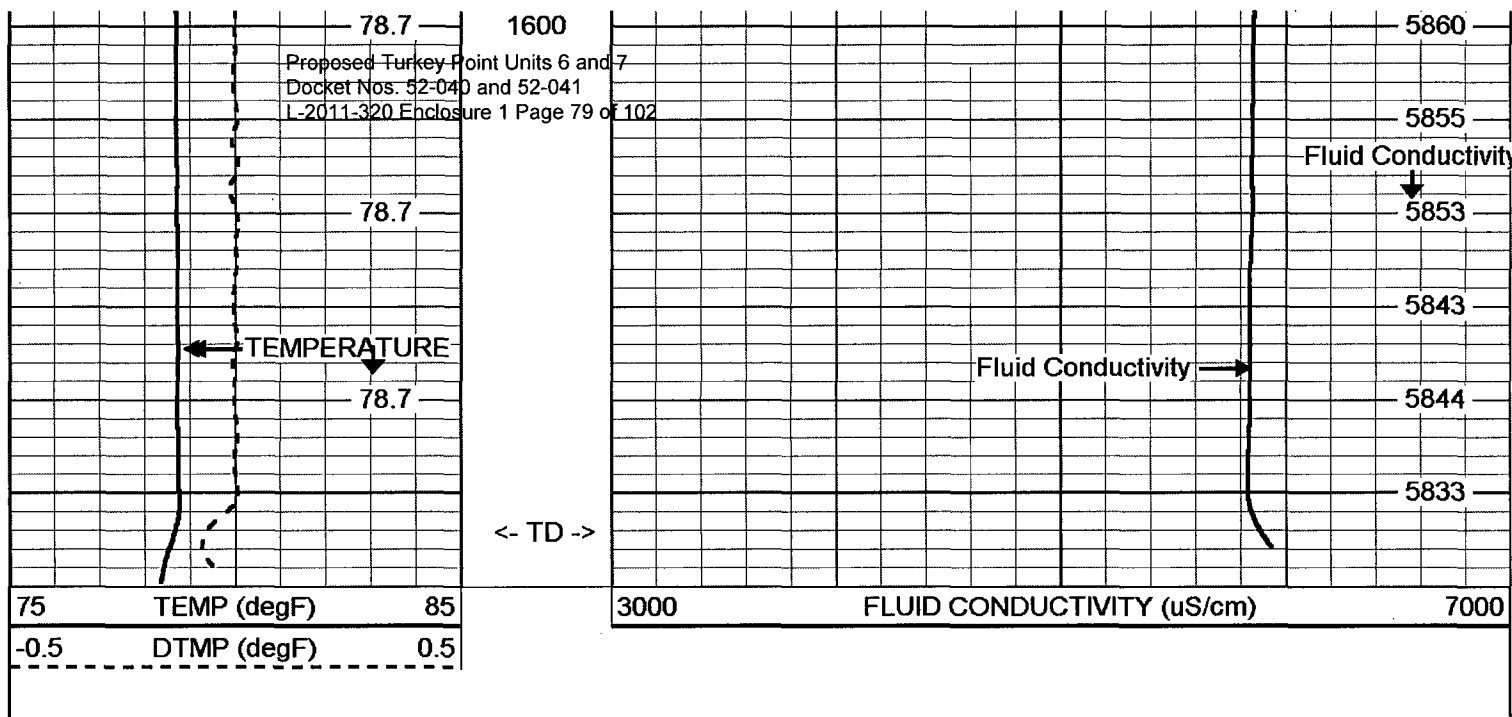
6000

5970

5898

5895

5860



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FLUID CONDUCTIVITY TEMPERATURE LOG

Company Layne Christensen Company Well Turkey Point EW-1 Field Florida City County Miami-Dade State/Prv Florida	Company		Layne Christensen Company				
	Well		Turkey Point EW-1				
	Field		Florida City				
	County		Miami-Dade	State/Prv Florida			
Location		FPL Turkey Point Power Plant LAT: 25 25' 19" N LONG: 80 20' 08" W McNabb Hydrogeologic Consulting, Inc.		Other Services XY/GR,FCT DIL,BHC FLO,TDS			
Permanent Datum		Pad Level	Elevation				
Log Measured From		Pad Level	K.B.				
Drilling Measured From		Pad Level	D.F.				
			G.L.				
Date	12-JUL-2011						
Run Number	SIX-e						
Depth Driller	1655'						
Depth Logger	1654'						
Bottom Logged Interval	1654'						
Top Log Interval	1045'						
Open Hole Size	12.25"						
Type Fluid	H2O						
Density / Viscosity	NA/NA						
Max. Recorded Temp.	see FCT log						
Estimated Cement Top	SURFACE						
Time Well Ready	18:15 7/12/2011						
Time Logger on Bottom	19:30 7/12/2011						
Equipment Number	MVGS-1						
Location	Ft. Myers						
Recorded By	S.Miller						
Witnessed By	S.Durall (MHC)		K.Greuel (LCC)				
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	64"	0.375" WT	SURFACE	33'			
Prot. String	54"	0.375" WT	SURFACE	255'			
Production String	44"	0.375" WT	SURFACE	1090'			
Liner				LTP1.db			
Invoice No.	2011103	P.O. #:	8fld/las/pdf	* FINAL PRINT *			

>>> Fold Here <<<

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Proposed Turkey Point Units 6 and 7

Docket Nos. 52-040 and 52-041

Comments

L-2011-320 Enclosure 1 Page 81 of 102

DYNAMIC & STATIC down passes were performed.

Cw =19,660 uS/cm @ 81.1 degC (from 1600'); Q=300 gpm.

FLUID RESISTIVITY CALIBRATION REPORT (Performed: 19-JUN-11 10:45)

uS/cm	CPS
237.1	3060.32
2578.54	2945.87
4410.24	2673.25

TEMPERATURE CALIBRATION REPORT (Performed: 19-JUN-11 10:15)

DEG-F	CPS
34.9	143.18
139.2	2600.14

Drill Pipe set to 1098'

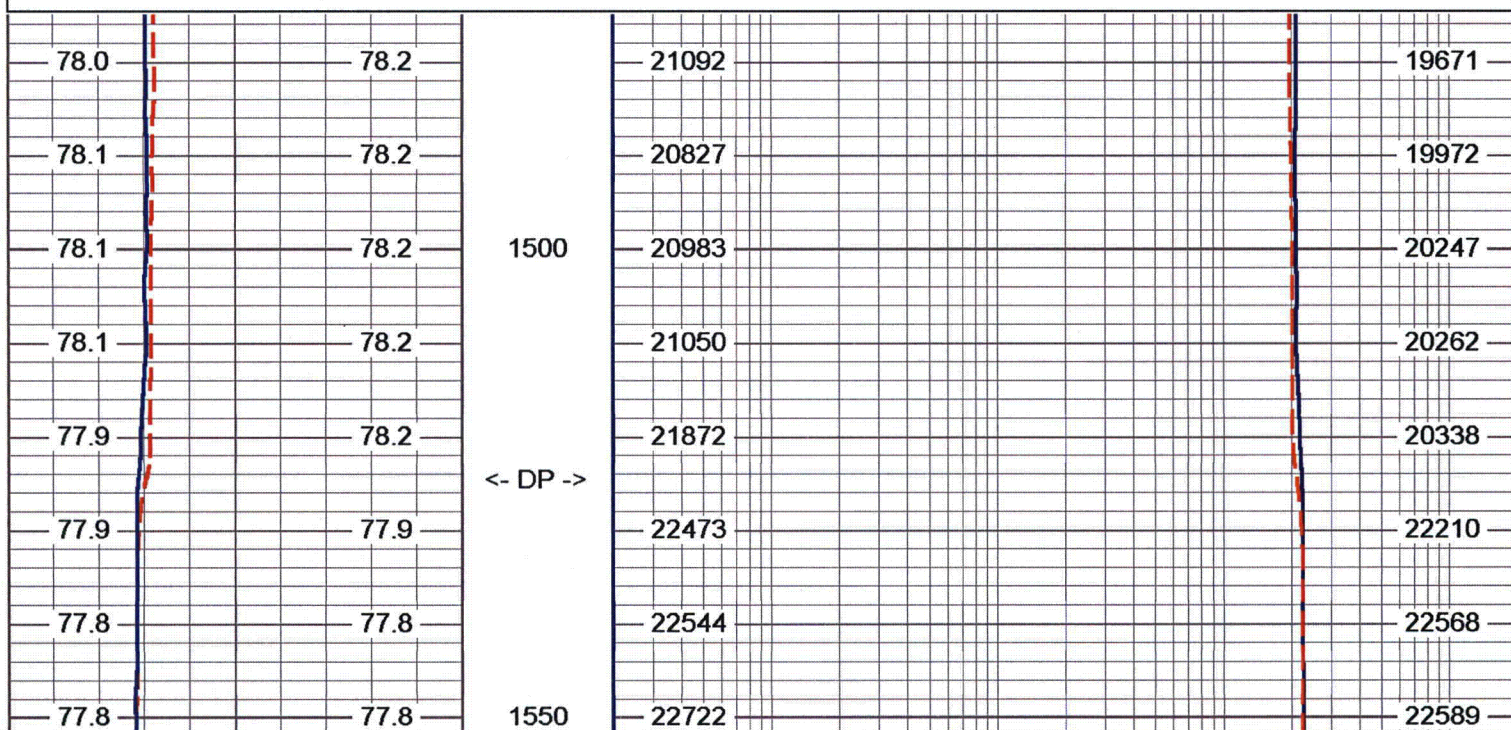
MV
Geophysical

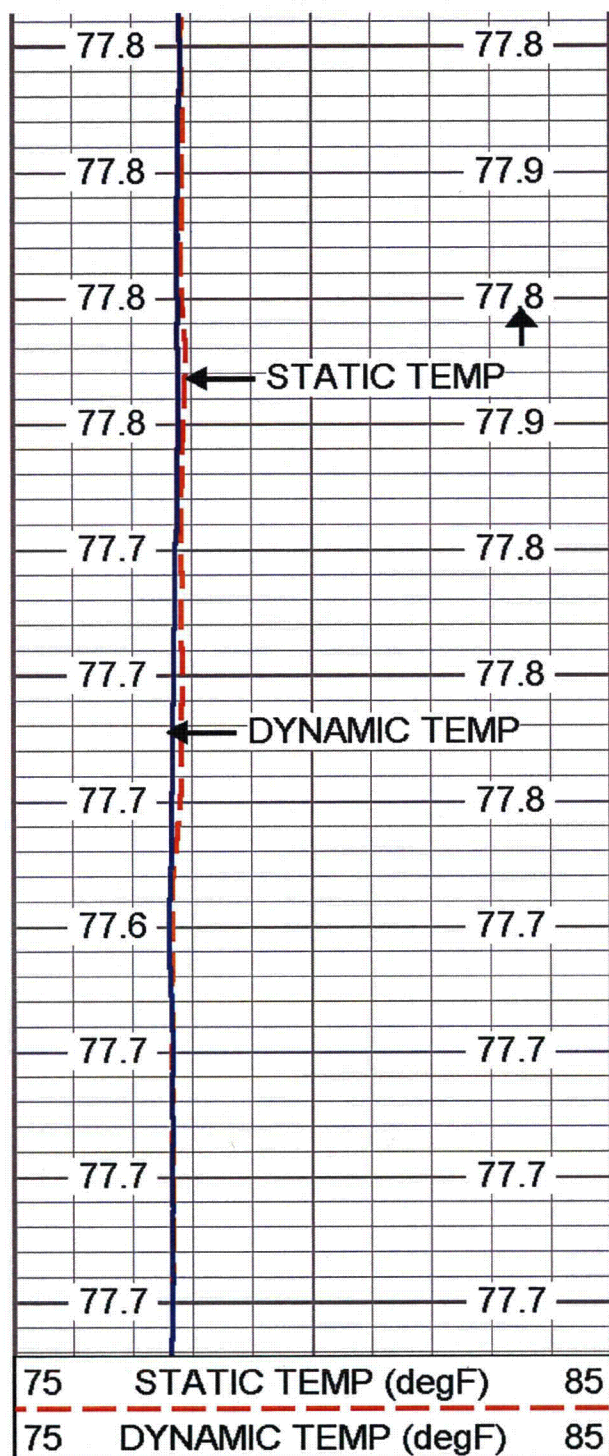
S/D FCT MERGE

Database File: ltp1.db
Dataset Pathname: run7/FCT6E
Presentation Format: FCTTP2
Dataset Creation: Tue Jul 12 20:30:01 2011
Charted by: Depth in Feet scaled 1:240

75	STATIC TEMP (degF)	85
75	DYNAMIC TEMP (degF)	85

20	STATIC FLUID CONDUCTIVITY (uS/cm)	200000
20	DYNAMIC FLUID CONDUCTIVITY (uS/cm)	200000



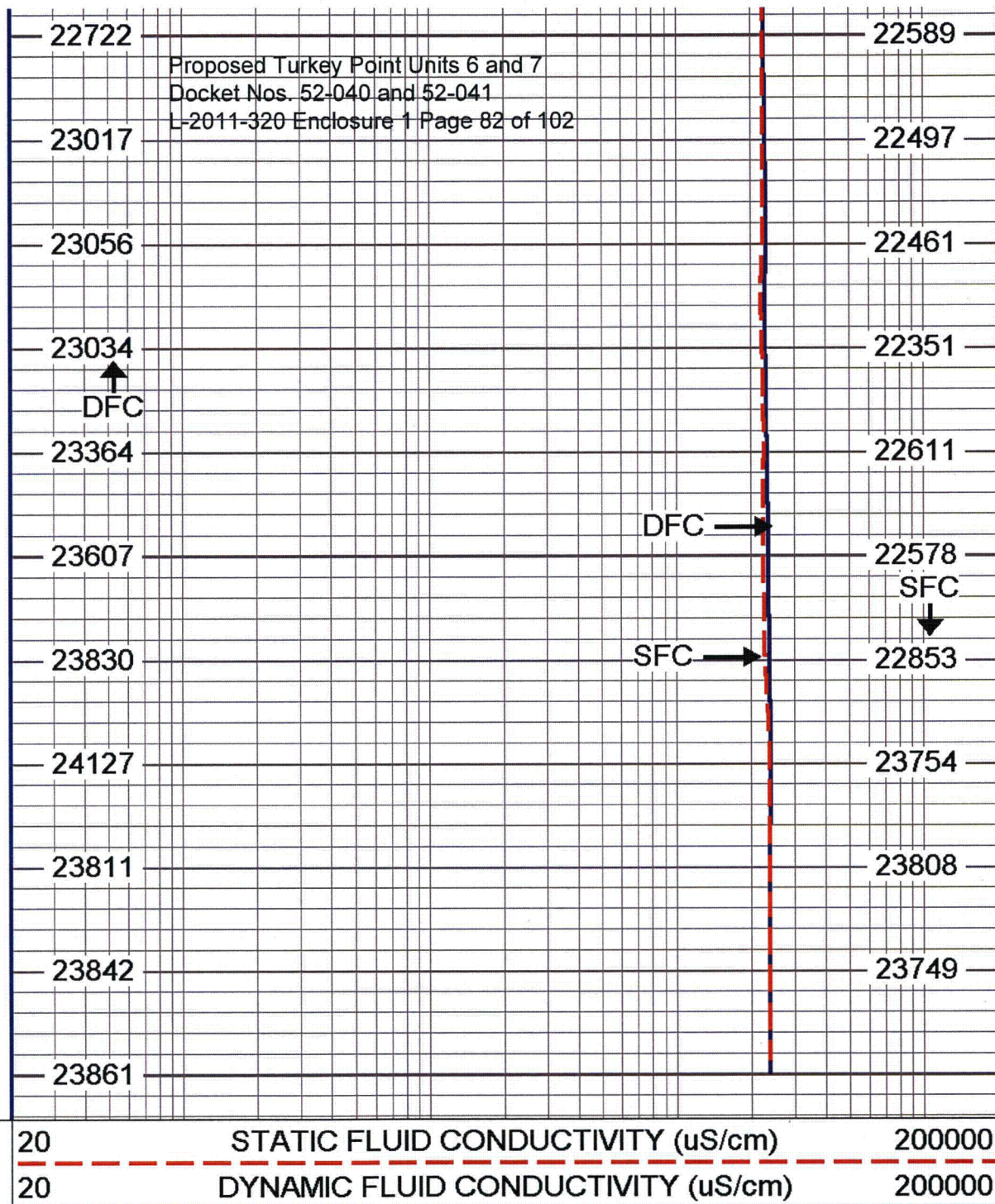


1550

1600

1650

< TD >



Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 1 Page 82 of 102

CCL 4.46 ft

CCL-MVGS 1.9 (MV01)
8.00 lb 1.90 in OD 1.33 ft

GR#2 1.15 ft

GR #2 -RTSB (MV01B)
10.00 lb 1.90 in OD 3.33 ft

TEMP 0.10 ft

TEMP-RTS (MV01)
2.00 lb 1.90 in OD 0.46 ft

Dataset:	run7/pass18
Total Length:	5.12 ft
Total Weight:	20.00 lb
O.D.	1.90 in



Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 1 Page 84 of 102

FLOWMETER LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Elevation

Permanent Datum Pad Level
Log Measured From Pad Level
Drilling Measured From Pad Level

K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-d		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1590'		
Top Log Interval	1045'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	N/A/N/A		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	01:15 7/12/2011		
Time Logger on Bottom	04:30 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record		Size	Wgt/Ft	Top	Bottom
Surface String		64"	0.375" WT	SURFACE	33'
Prot. String		54"	0.375" WT	SURFACE	255'
Production String		44"	0.375" WT	SURFACE	1090'
Liner					LTP1.db
Invoice No.	2011102	P.O. #:	8fld/las/pdf	* FINAL PRINT *	

Flowmeter Log

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Proposed Turkey Point Units 6 and 7

Comments

Docket Nos. 52-040 and 52-041

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STATIC and DYNAMIC down passes were made at 82 fpm.

NO station performed.

Q =~285 gpm

Drill Pipe set to 1098'

Full Riser / Hydraulic Packoff

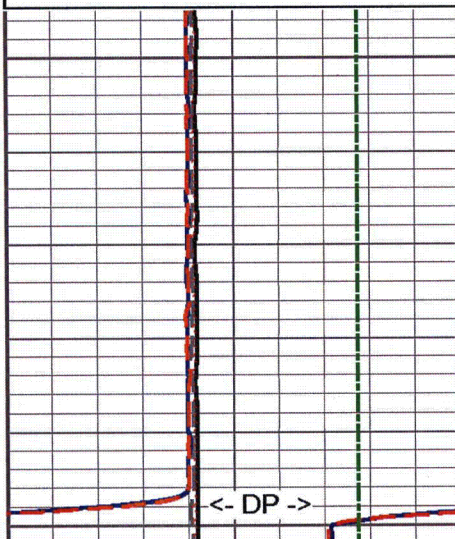
MV
Geophysical

S/D DOWN @ 82 fpm

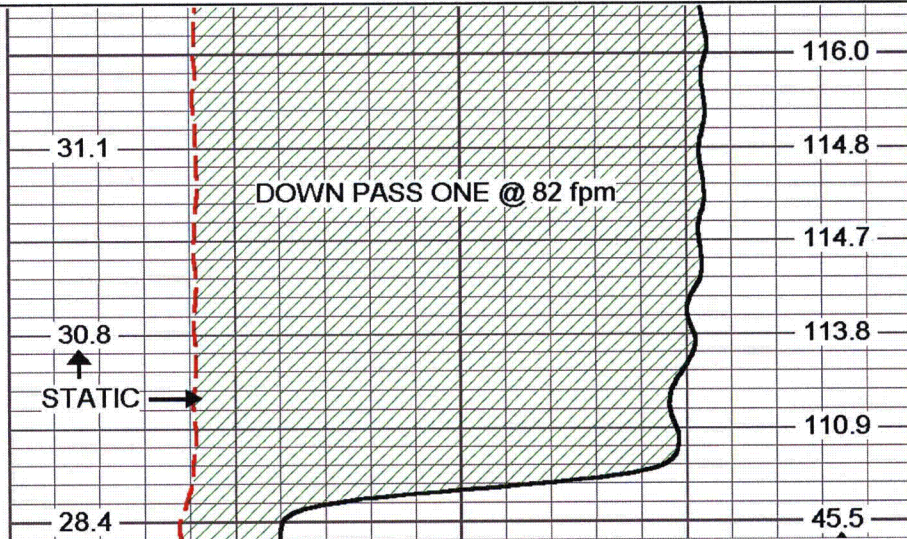
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Charted by: Depth in Feet scaled 1:240

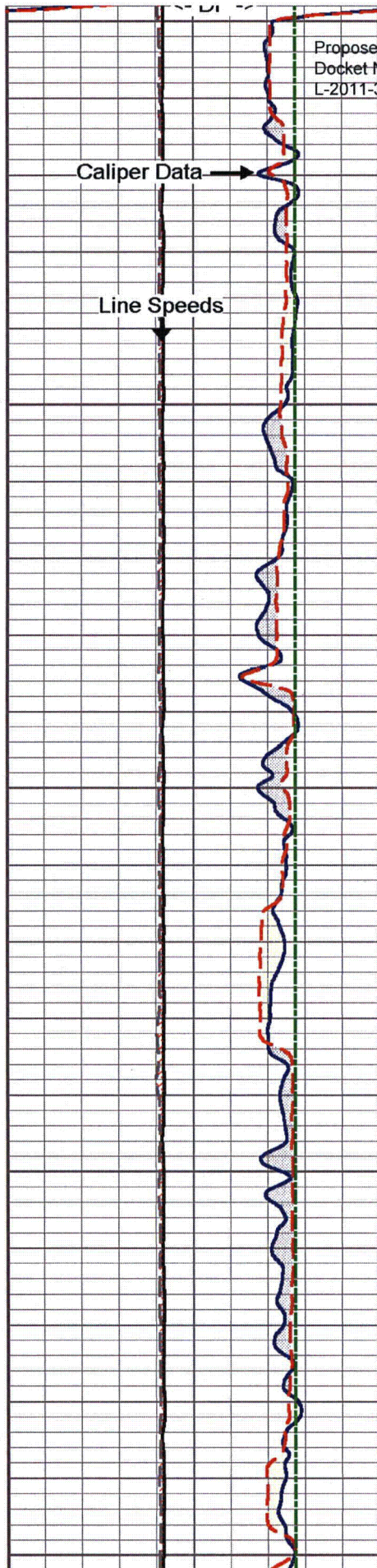
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0	STATIC LINE SPEED (ft/min)	200
20	X-CALIPER (in)	10
20	Y CALIPER (in)	10
20	BIT SIZE (in)	10

0	DYNAMIC (cps)	150
0	STATIC (cps)	150



1100



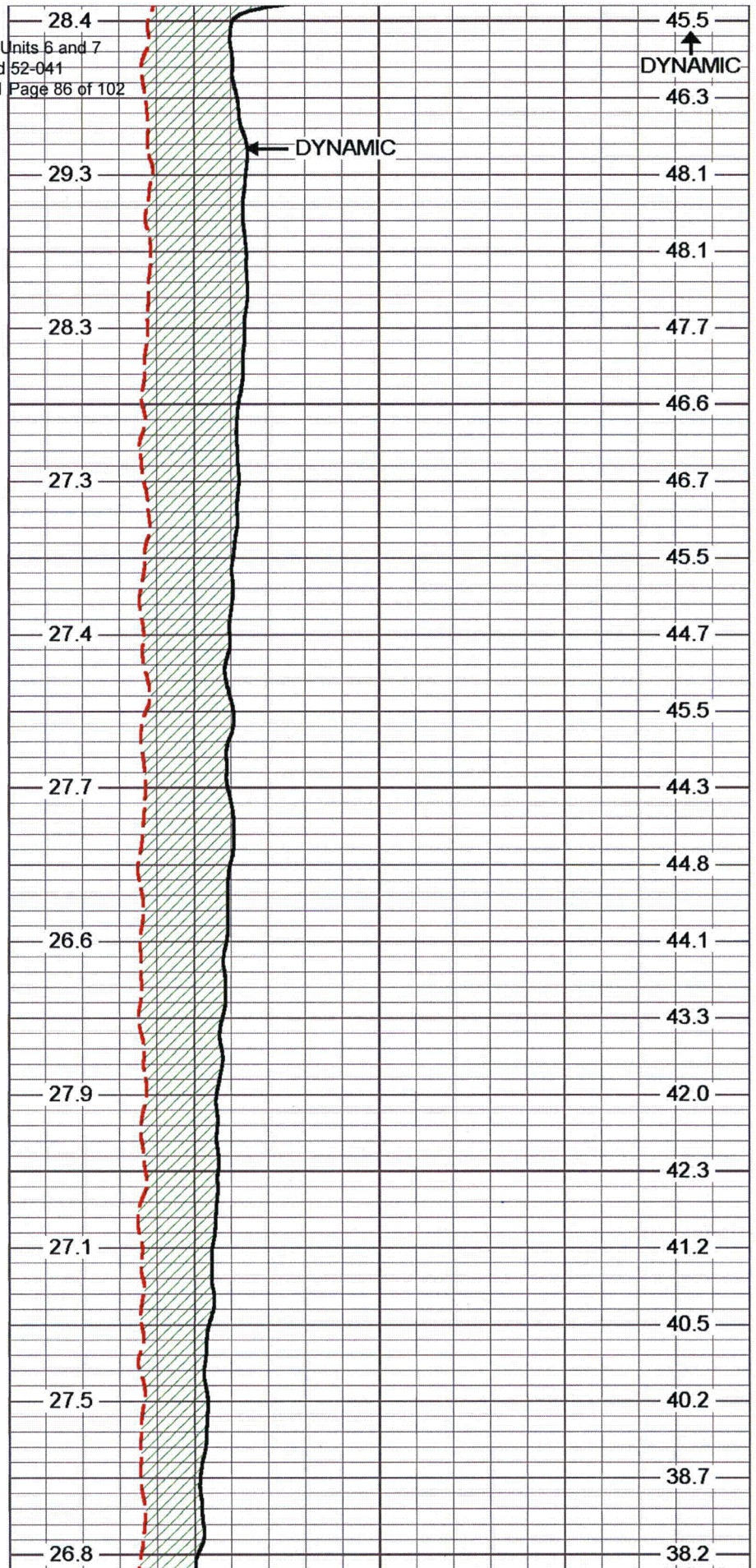


1100

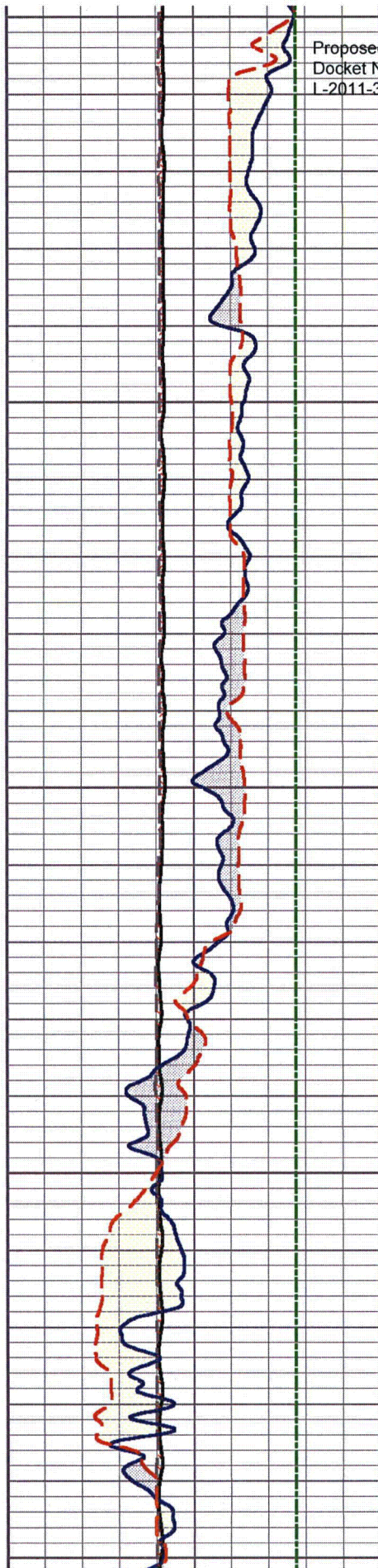
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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1200

1300

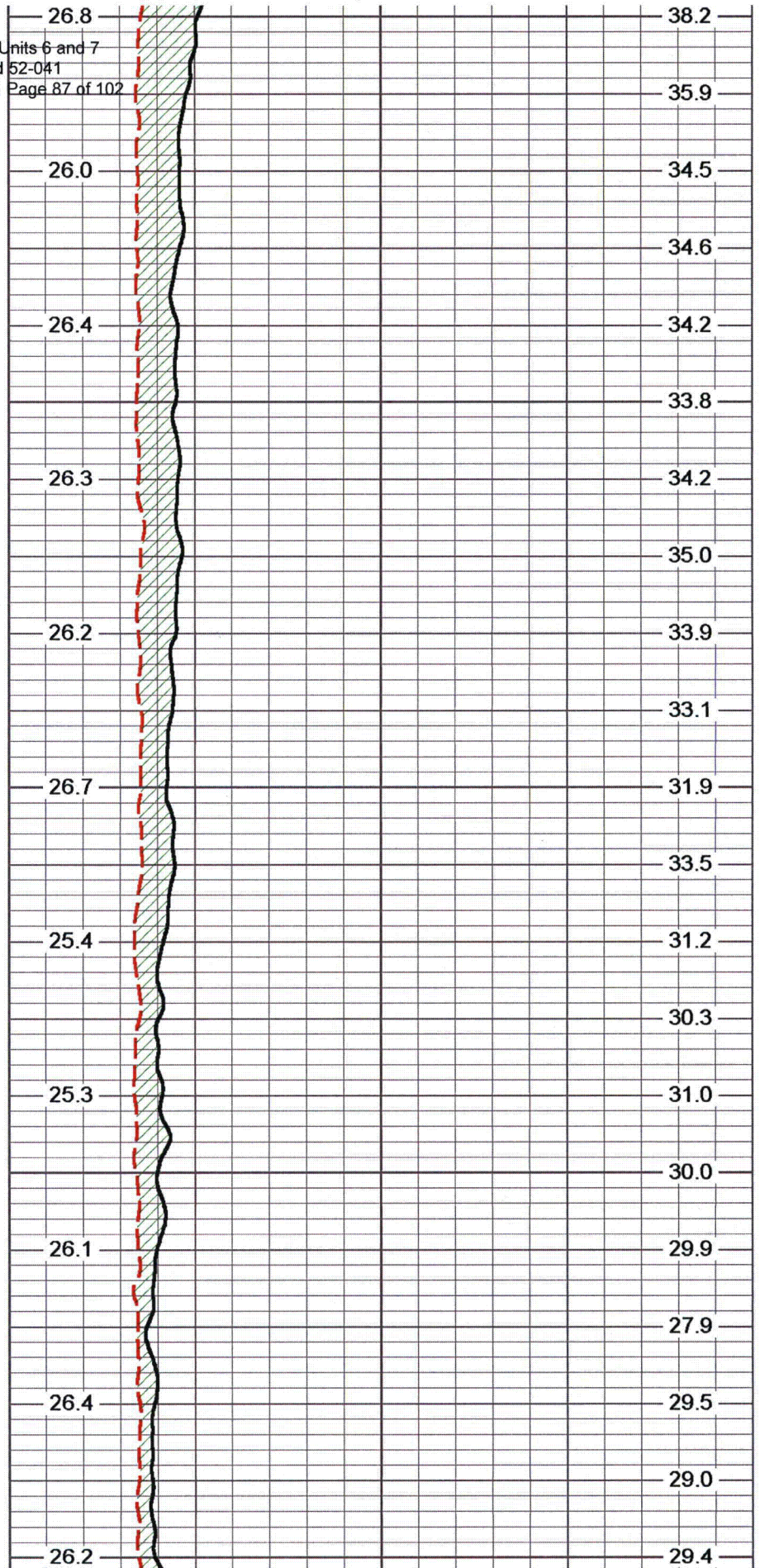


1300
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
I-2011-320 Enclosure 1 Page 87 of 102



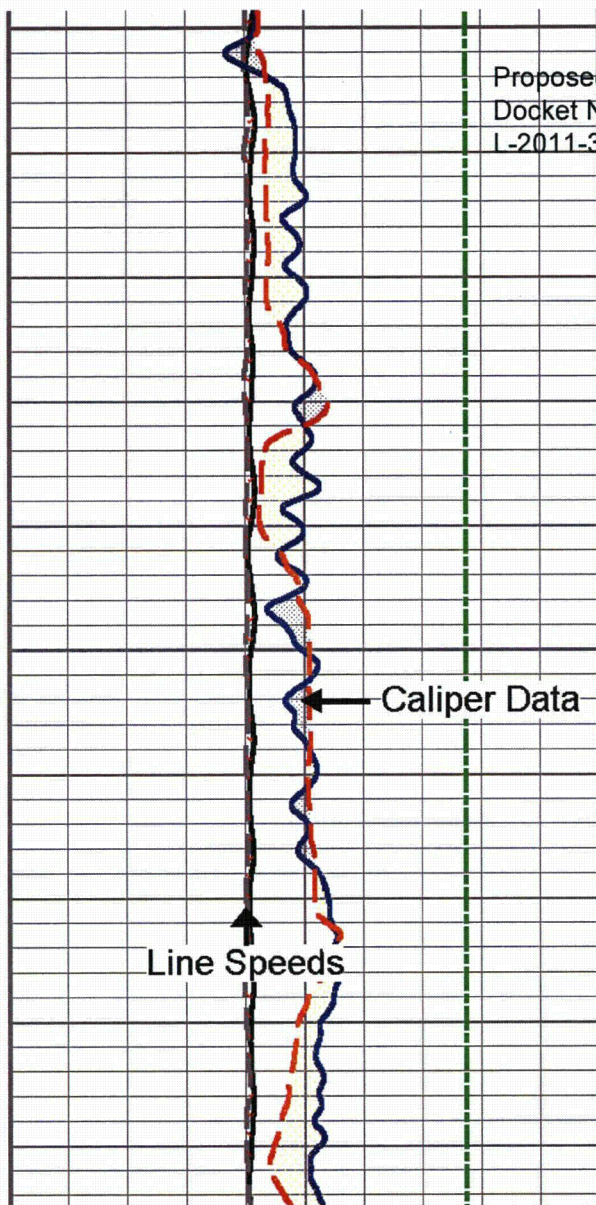
1400

1500

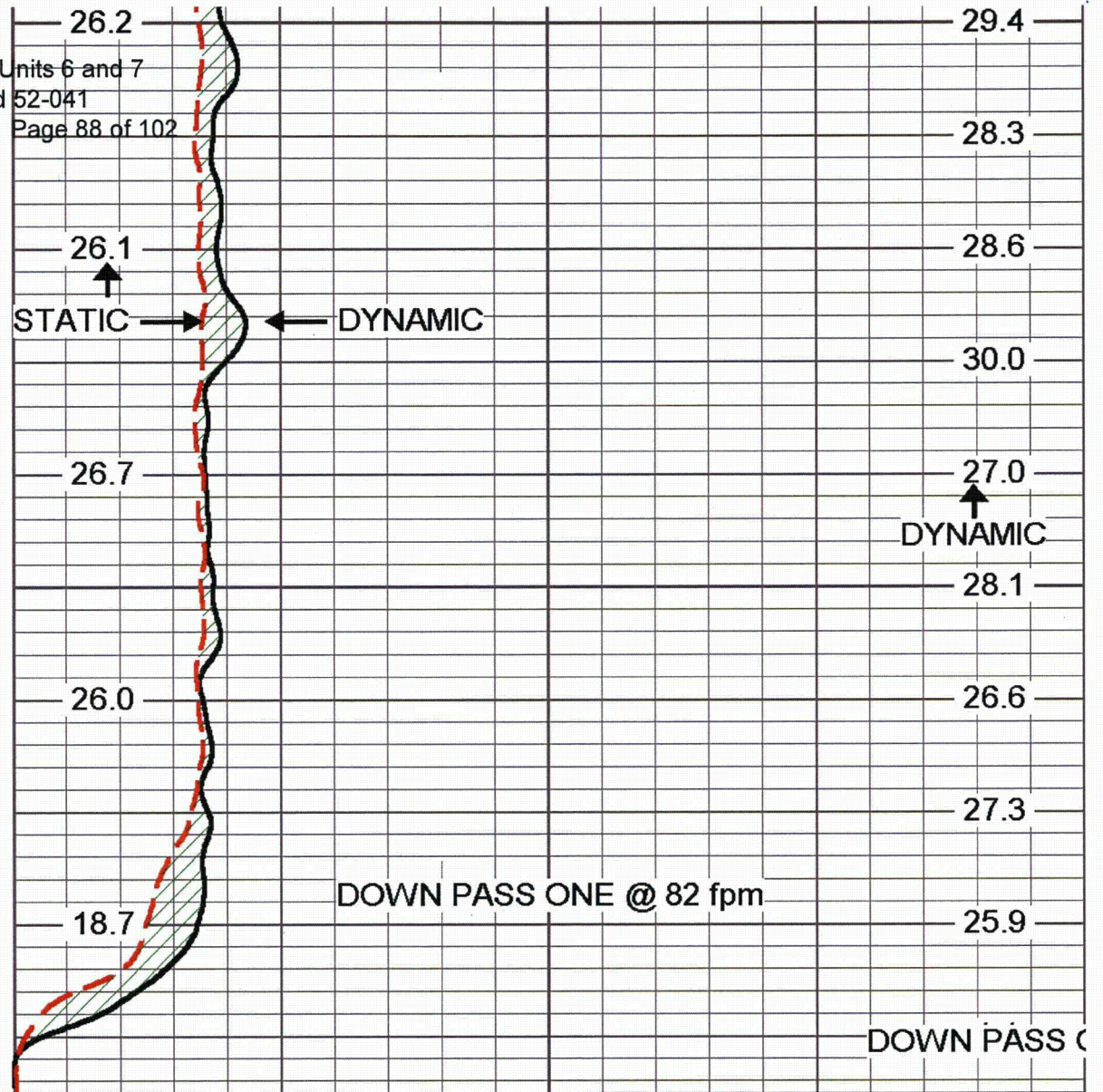


1500

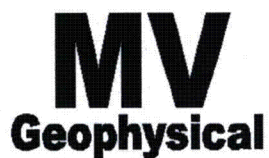
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 1 Page 88 of 102



0	DYNAMIC LINE SPEED (ft/min)	100
0	STATIC LINE SPEED (ft/min)	200
20	X-CALIPER (in)	10
20	Y CALIPER (in)	10
20	BIT SIZE (in)	10



0	DYNAMIC (cps)	150
0	STATIC (cps)	150



Q Calibration Down

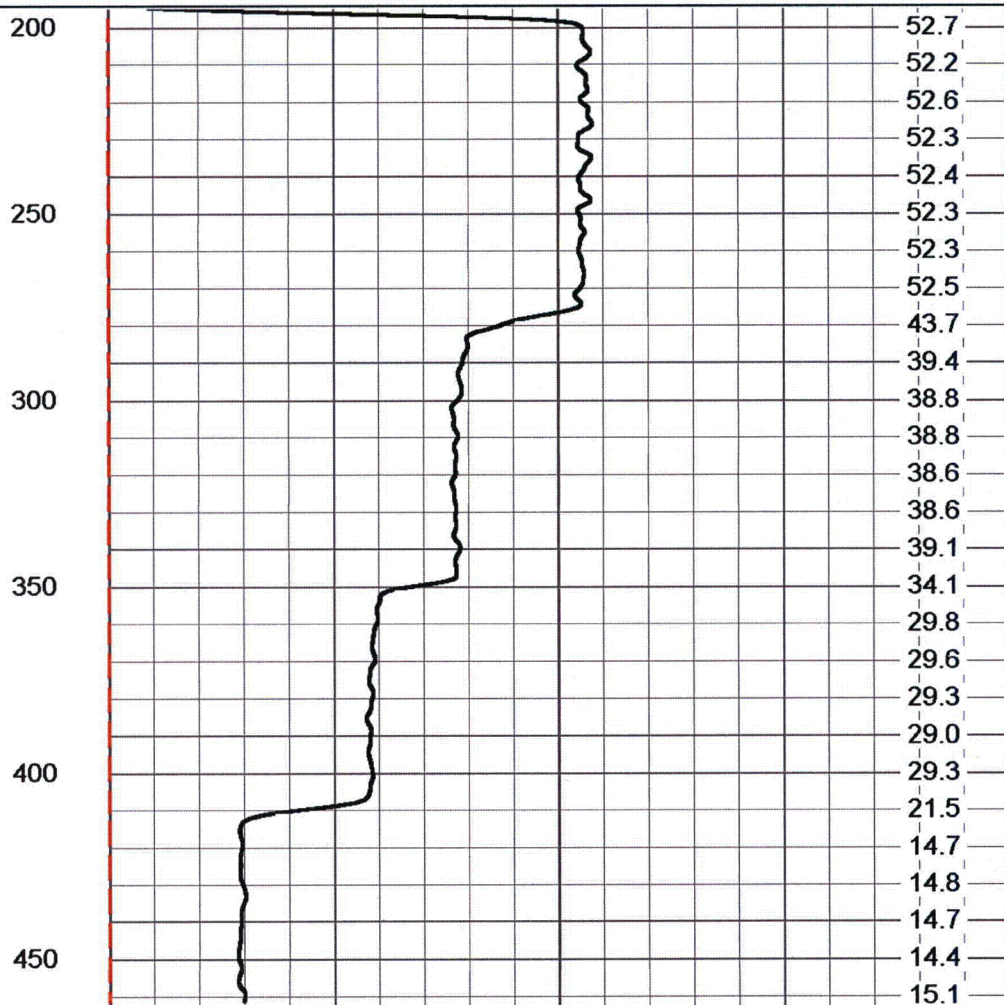
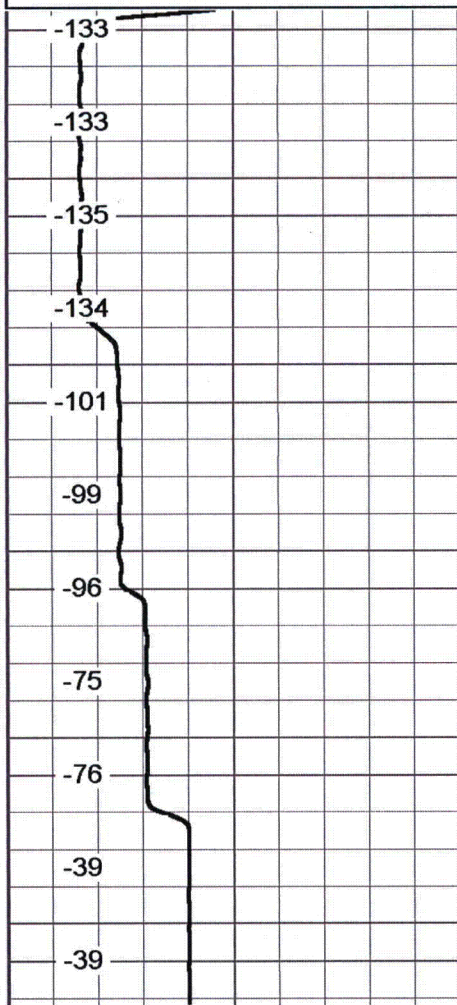
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041

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Database File: ltp1.db
Dataset Pathname: run6/pass6
Presentation Format: FLOW
Dataset Creation: Fri Jul 08 23:20:45 2011 by Log VER_5.3
Charted by: Depth in Feet scaled 1:600

-200	LINE SPEED (ft/min)	200
30	BOREID (in)	100

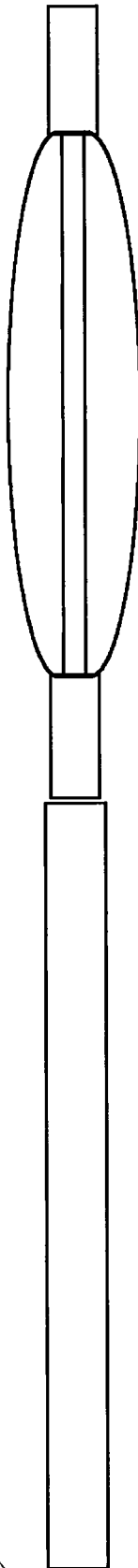
0	CCW Spin (cps)	100
0	CW Spin (cps)	100



-200	LINE SPEED (ft/min)	200
30	BOREID (in)	100

0	CCW Spin (cps)	100
0	CW Spin (cps)	100

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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CENT-5FOOTSB (5FTSB)
50.00 lb 1.69 in OD 5.00 ft

FLOW-LARGE (65)
35.00 lb 3.75 in OD 4.80 ft

FLOWP 0.00 ft
FLOWN 0.00 ft

Dataset:	run7/pass10
Total Length:	9.80 ft
Total Weight:	85.00 lb
O.D.	3.75 in

MV Geophysical

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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FLOWMETER LOG

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade
State/Prv Florida

Company Layne Christensen Company
Well Turkey Point EW-1
Field Florida City
County Miami-Dade State/Prv Florida

Location
FPL Turkey Point Power Plant
LAT: 25 25' 19" N LONG: 80 20' 08" W
McNabb Hydrogeologic Consulting, Inc.

Other Services
XY/GR,FCT
DIL,BHC
FLO,TDS

Permanent Datum Pad Level Elevation
Log Measured From Pad Level
Drilling Measured From Pad Level

Elevation
K.B.
D.F.
G.L.

Date	12-JUL-2011		
Run Number	SIX-e		
Depth Driller	1655'		
Depth Logger	1654'		
Bottom Logged Interval	1650'		
Top Log Interval	1475'		
Open Hole Size	12.25"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	18:15 7/12/2011		
Time Logger on Bottom	18:45 7/12/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Durall (MHC)	K.Greuel (LCC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	255'				1655'
TWO	62.5"	SURFACE	259'				
THREE	12.25"	255'	1090'				
FOUR	52.5"	255'	1095'				

Casing Record		Size	Wgt/Ft	Top	Bottom
Surface String		64"	0.375" WT	SURFACE	33'
Prot. String		54"	0.375" WT	SURFACE	255'
Production String		44"	0.375" WT	SURFACE	1090'
Liner					LTP1.db
Invoice No.		2011103	P.O. #:	8fld/las/pdf	* FINAL PRINT *

>>> Fold Here >>>

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Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 1 Page 92 of 102

Comments

STATIC and DYNAMIC down passes were made at 82 fpm.

NO station performed.

Q ≈ 300 gpm

Drill Pipe set to 1524'

Full Riser / Hydraulic Packoff

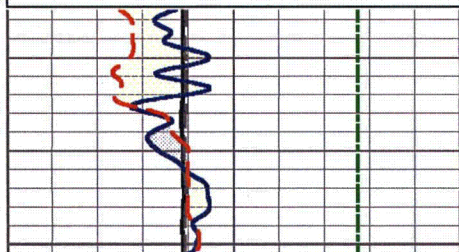
MV
Geophysical

S/D DOWN @ 78 fpm

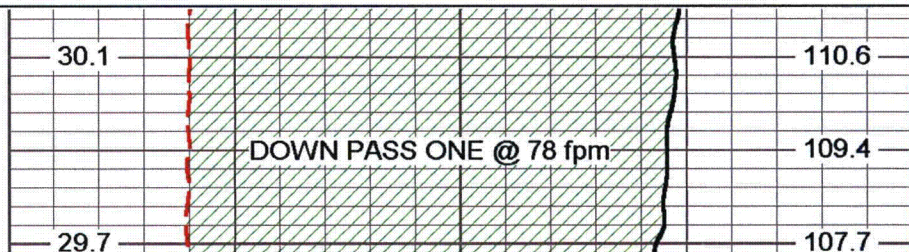
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Charted by: Depth in Feet scaled 1:240

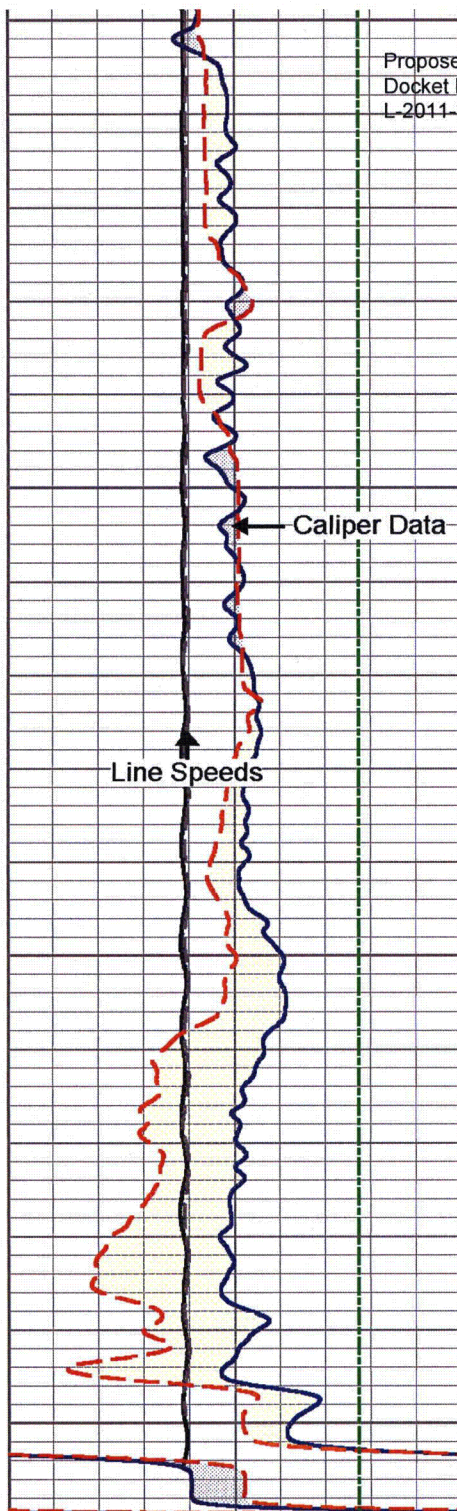
0	DYNAMIC LINE SPEED (ft/min)	00
0	STATIC LINE SPEED (ft/min)	200
20	X-CALIPER (in)	10
20	Y CALIPER (in)	10
20	BIT SIZE (in)	10

0	DYNAMIC (cps)	150
0	STATIC (cps)	150



1500



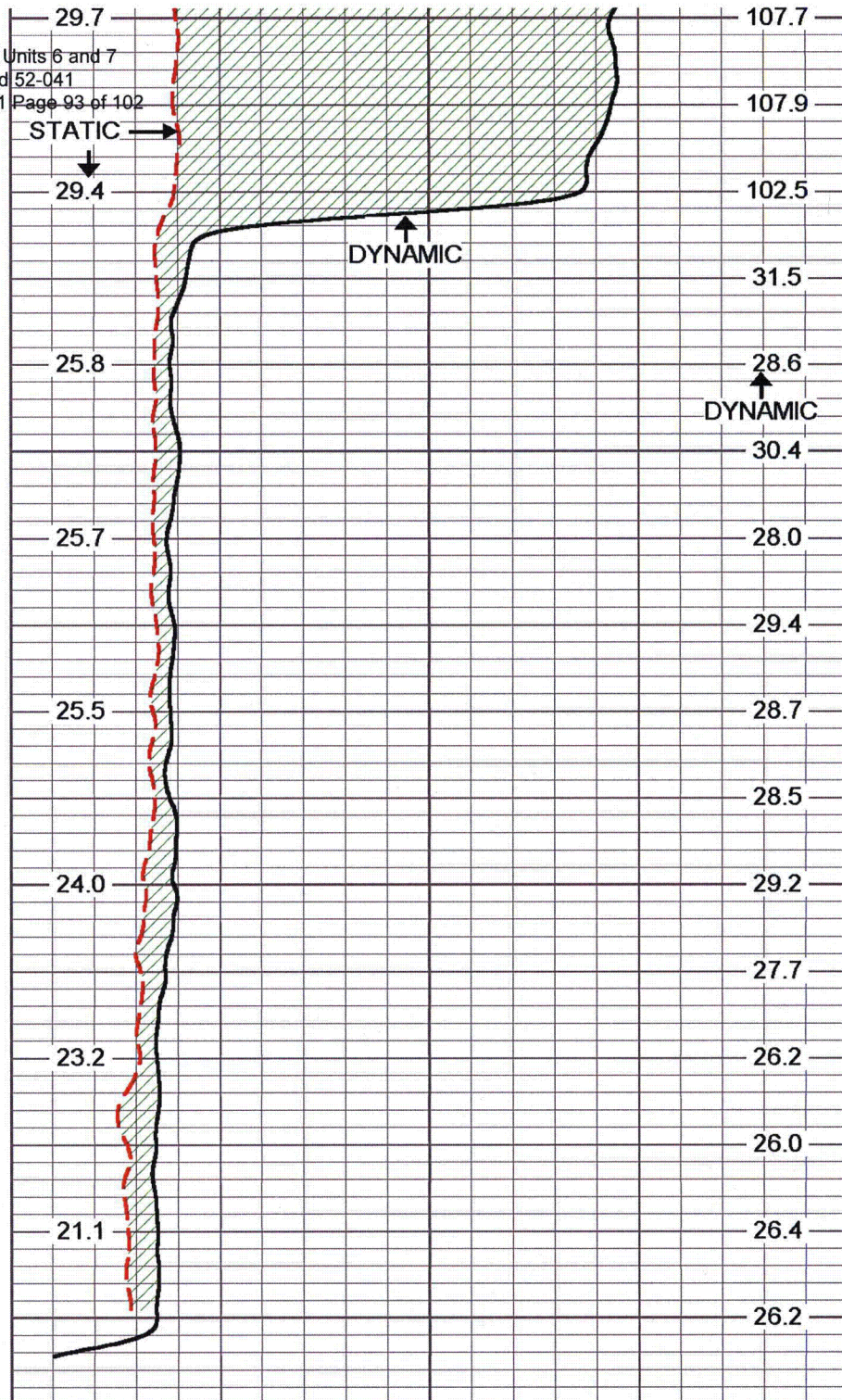


0	DYNAMIC LINE SPEED (ft/min)	00
0	STATIC LINE SPEED (ft/min)	200
20	X-CALIPER (in)	10
20	Y CALIPER (in)	10
20	BIT SIZE (in)	10

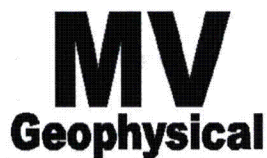
1500

1600

<- TD ->



0	DYNAMIC (cps)	150
0	STATIC (cps)	150



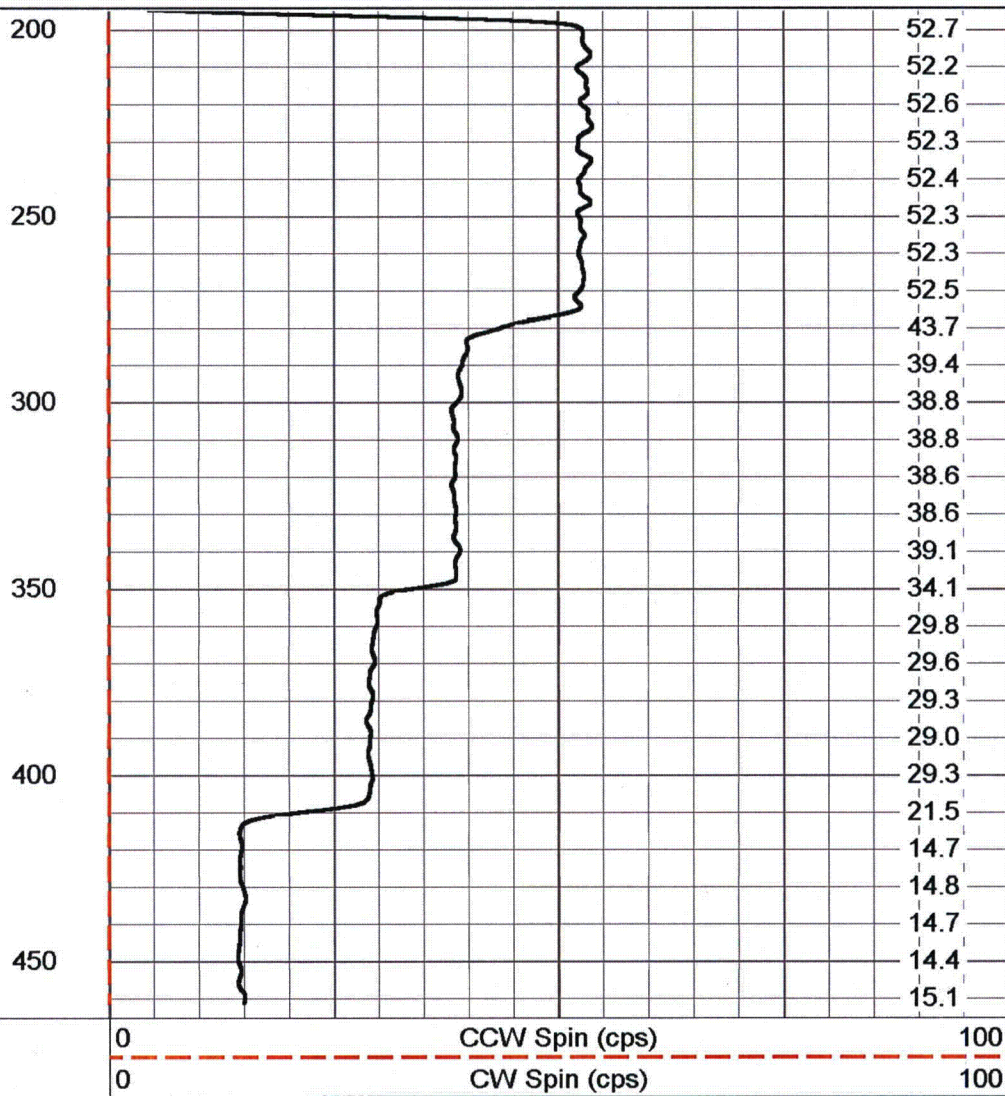
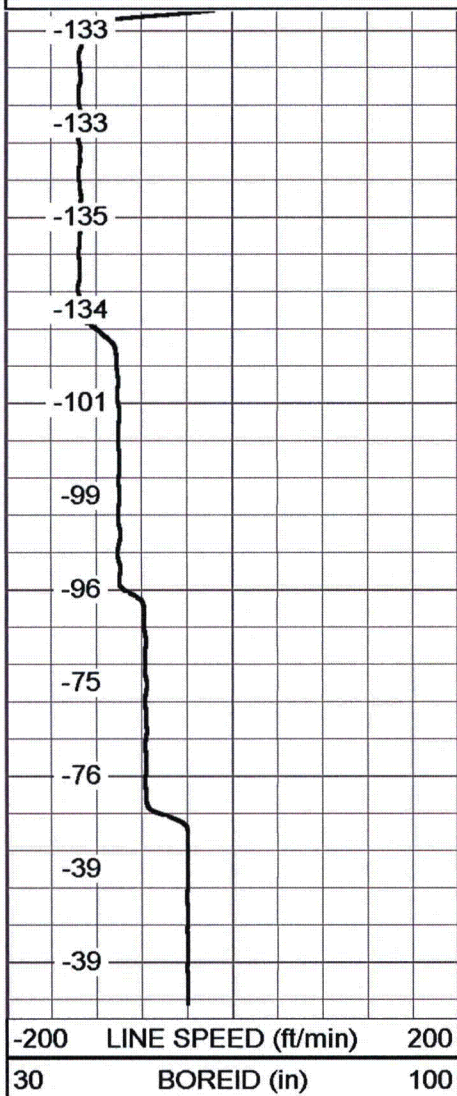
Q Calibration Down

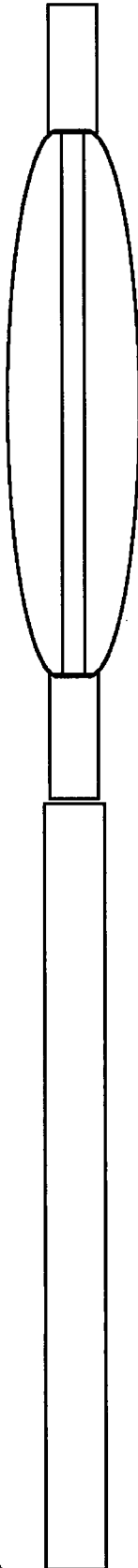
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Presentation Format: FLOW
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Charted by: Depth in Feet scaled 1:600

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100

0 CCW Spin (cps) 100
0 CW Spin (cps) 100





CENT-5FOOTSB (5FTSB)
50.00 lb 1.69 in OD 5.00 ft

FLOW-LARGE (65)
35.00 lb 3.75 in OD 4.80 ft

FLOWP 0.00 ft
FLOWN 0.00 ft

Dataset: run7/pass10
Total Length: 9.80 ft
Total Weight: 85.00 lb
O.D. 3.75 in

Attachment D

Packer Tests #1 Through #3 Water Quality Analytical Reports



Report To:
Brooke Allen
Layne Christensen Co-FL
5061 Lockett Road
Fort Myers, FL 33905

Page 1 of 1
Report Printed: 07/19/11
Submission # 1107000345
Order # 72920

Project: Packer Test WQ Samples PT-1
Site Location: Turkey Point, Homestead, FL
Matrix: Water

Sample I.D.: EW-1-PT-1(1505-1535)
Collected: 07/14/11 14:45
Received: 07/14/11 17:45
Collected by: Client

LABORATORY ANALYSIS REPORT

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Specific Conductance (Field)(grab)	22420		uS/cm	0.2	0.6	120.1	07/14 14:45	07/14 14:45	Client
Chloride	7990		mg/L	11.00	33.00	300.0	07/15 16:35	07/15 16:35	DGK
Nitrogen (Ammonia) as N	0.18		mg/L	0.01	0.03	350.1	07/18 14:05	07/18 14:05	RPV
Nitrogen (Kjeldahl) as "N"	0.22		mg/L	0.070	0.210	351.2	07/19 09:00	07/19 11:47	MSG
Total Dissolved Solids (TDS)	13890		mg/L	1.0	3.0	SM 2540C	07/15 16:34	07/15 16:34	DGK

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by "-".
Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.
Results relate only to this sample.
QC=Qualifier Codes as defined by DEP 62-160
U=Analyzed for but not detected.
Q=Sample held beyond accepted holding time.
I=Value is between MDL and PQL.
J=Estimated value.


Authorized CSM Signature (954) 978-6400
Florida Spectrum Environmental Services, Inc.
Certification # E86006



Florida-Spectrum Environmental Services, Inc.
1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
528 Gooch Rd.
Fort Meade, FL 33841

Big Lake Laboratory
610 North Parrot Ave.
Okeechobee, FL 34972
www.flenviro.com

Spectrum Laboratories
630 Indian St.
Savannah, GA 31401

All NELAP certified analyses are performed in accordance with Chapter 64E-1 Florida Administrative Code, which has been determined to be equivalent to NELAC standards. Analyses certified by programs other than NELAP are designated with a "-".

SUBMISSION # <div style="font-size: 1.5em; font-family: cursive;">1107-345</div>				CHAIN OF CUSTODY RECORD										DUE DATE Requested <div style="font-size: 1.5em; font-family: cursive;">7/15/11</div>					
Logged in LIMS by <u>RL</u> CSM assigned _____		<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 1460 W. McNab Road Ft Laud. FL 33309 <input type="checkbox"/> 630 Indian Street Savannah, GA 31401 <input type="checkbox"/> 528 Gooch Road Fort Meade, FL 33841 <input type="checkbox"/> 610 Parrot Ave. N, Okeechobee, FL 34972 </div> <div> Tel: (954) 978-6400 Tel: (912) 238-5050 Tel: (863) 285-8145 Tel: (863) 763-3336 </div> <div> Fax: (954) 978-2233 Fax: (912) 234-4815 Fax: (863) 285-7030 Fax: (863) 763-1544 </div> </div>										RUSH RESERVATION # <div style="font-size: 1.5em; font-family: cursive;">LC 7/15</div>							
		Original-Return w/report					Yellow-Lab File Copy					Pink - Sampler Copy							
Report to: (company name) <u>LAYNE CHRISTENSEN COMPANY</u>										Report to: Address: <u>5061 LUCKETT RD, FT. MYERS, FL 33905</u>									
Invoice to: (company name) <u>LAYNE CHRISTENSEN</u>										Invoice to: Address: <u>5061 LUCKETT RD, FT. MYERS, FL 33905</u>									
Project Name and/or Number <u>PACKER TEST WQ SAMPLES PT-2 ANALYSIS</u>										Site Location: <u>TURKEY POINT, HOMESTEAD, FL 33035</u>									
Project Contact: <u>BROOK ALLEN / CRAIG BRUGGER</u>										Phone: <u>239.275.1029 / 239.275.1025</u>									
Sampler Name: (printed) _____										Affiliation: _____									
Sampler Signature 										Email: <u>C3BROUGGER@LAYNECHRISTENSEN.COM</u> <u>BSALL@LAYNECHRISTENSEN.COM</u>									

ORDER #	Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix	Bottle & Pres.	Number of Containers Received & NELAC Letter Suffixes	Analysis Required										Field Tests				
					DW GW S HW SEA X	SW WW SED BIO OIL AIR													T E M P °C	P H	C O N D	C H L O R
1	72920	EW-1-PT-1 (505-1535)	7/14/11	14:45	GW	SU	2	Chloride TDS Sp-Cond. TKN NH3	1	1									25.8	7.55	340	CUYM
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

RUSH

Special Comments: <u>Reported Field Conductivity as per</u> <u>"I waive NELAC protocol" (sign here) > client's request l/c 7/19/11</u>										Total _____									
Deliverables:										QA/QC Report Needed? Yes No (additional charge)									

Sample Custody & Field Comments Temp as received _____ C Custody seals? Y <u>4</u> N _____ FIELD TIME: _____ Sampling _____ hrs Pick-Up _____ hrs Misc. Charges _____										Bottle Type A-liter amber B-Bacteria bag/bottle F-500 ml L-liter bottle S4-4 oz soil jar / S8-8 oz soil jar T-250 ml V-40 ml vial W-wide mouth X-other TED-Tedlar Air Bag Additional Bottle Types B-brown liter plastic										Preservatives A-ascorbic acid C-HCL Cu-CuSO4 H-HNO3 M-MCAB Z-zinc acetate Additional Preservatives Hex-Hex Cr Buffer EDA-Ethylene Diamine										Signature Affiliation Date/Time 1 Relinquished by: <u>DANNY KEELER</u> _____ <u>7/14/11</u> 1 Received by: <u>Angelio Piffenger</u> <u>7-14-11</u> <u>15:25</u> 2 Relinquished by: <u>Angelio Piffenger</u> <u>7-14-11</u> <u>17:45</u> 2 Received by: <u>RL</u> <u>7/14/11</u> <u>17:45</u> 3 Relinquished by: _____ 3 Received by: _____ www.flenviro.com COC Page _____ of _____									
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Report To:
Craig Brugger
Layne Christensen Co-FL
5061 Lockett Road
Fort Myers, FL 33905

Page 1 of 1
Report Printed: 07/19/11
Submission # 1107000378
Order # 73057

Project: Packer Test WQ Samples PT-2
Site Location: Turkey Point, Homestead, FL
Matrix: Water

Sample I.D.: EW-1-PT-2 1400'-1430'
Collected: 07/15/11 22:10
Received: 07/16/11 09:00
Collected by: Client

LABORATORY ANALYSIS REPORT

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Specific Conductance (Field)(grab)	9850		uS/cm	0.2	0.6	120.1	07/15 22:10	07/15 22:10	Client
Chloride	3230		mg/L	5.50	16.50	300.0	07/16 15:08	07/16 15:08	DGK
Nitrogen (Ammonia) as N	0.11		mg/L	0.01	0.03	350.1	07/18 14:07	07/18 14:07	RPV
Nitrogen (Kjeldahl) as "N"	0.13	I	mg/L	0.070	0.210	351.2	07/19 09:00	07/19 11:47	MSG
Total Dissolved Solids (TDS)	5780		mg/L	1.00	3.00	SM 2540C	07/16 16:32	07/18 16:29	CEB

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.
Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.
Results relate only to this sample.
QC=Qualifier Codes as defined by DEP 62-160
U=Analyzed for but not detected.
Q=Sample held beyond accepted holding time.
I=Value is between MDL and PQL.
J=Estimated value.


Authorized CSM Signature (954) 978-6400
Florida-Spectrum Environmental Services, Inc.
Certification # E86006


Florida-Spectrum Environmental Services, Inc.
1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
528 Gooch Rd.
Fort Meade, FL 33841

Big Lake Laboratory
610 North Parrot Ave.
Okeechobee, FL 34972
www.flenviro.com

Spectrum Laboratories
630 Indian St.
Savannah, GA 31401

All NELAP certified analyses are performed in accordance with Chapter 64E-1 Florida Administrative Code, which has been determined to be equivalent to NELAC standards. Analyses certified by programs other than NELAP are designated with a "~".

SUBMISSION # 1107-378 Logged in LIMS by <i>MSK</i> CSM assigned				CHAIN OF CUSTODY RECORD						DUE DATE Requested 7/18/11 RUSH RESERVATION # LCCOPTJ <i>Rush Surcharges apply</i>											
				<input type="checkbox"/> 1460 W. McNab Road Ft Laud. FL 33309 Tel: (954) 978-6400 Fax: (954) 978-2233 <input type="checkbox"/> 630 Indian Street Savannah, GA 31401 Tel: (912) 238-5050 Fax: (912) 234-4815 <input type="checkbox"/> 528 Gooch Road Fort Meade, FL 33841 Tel: (863) 285-8145 Fax: (863) 285-7030 <input type="checkbox"/> 610 Parrot Ave. N, Okeechobee, FL 34972 Tel: (863) 763-3336 Fax: (863) 763-1544																	
				Original-Return w/report		Yellow-Lab File Copy		Pink - Sampler Copy													
Report to: (company name) LAYNE CHRISTENSEN COMPANY				Report to: Address: 5061 LUCKETT RD., FT. MYERS, FL 33905																	
Invoice to: (company name) LAYNE CHRISTENSEN Co.				Purchase Order #		Invoice to: Address: 5061 LUCKETT RD., FT. MYERS, FL 33905															
Project Name and/or Number PACKER TEST WQ SAMPLES PT-2 ANALYSIS				Site Location: TURKEY POINT, HOMESTEAD FL 33035																	
Project Contact: BROOK ALLEN/CRAIG BRUGGER				Phone: 239-275-1029/239-275-1025		Fax:		Email: CJ.BRUGGER@LAYNECHRISTENSEN.COM													
Sampler Name: KEVIN GRAY				Affiliation: LAYNE, C		Sampler Signature: <i>[Signature]</i>															
ORDER # Lab Control Number		Sample ID		Date Sampled		Time Sampled		Matrix		Bottle & Pres.		Number of Containers Received & NELAC Letter Suffixes		Analysis Required				Field Tests			
Shaded Areas For Laboratory Use Only								DW SW GW WW S SED HW BIO SEA OIL X AIR		Combo Codes		#		CHLORIDE TDS SP COND. TKN NH3				TEMP °C PH COND CHLOR			
1 73057		EW-1-PT-2 (1400-1430)		7/15/11		22:10		GW		BIO				1 1				21.4 7.55 2850			
2										IFU		1									
3										ITS		1									
4																					
5																					
6																					
7																					
8																					
9																					
10																					
Special Comments: Reported Field Conductivity as per client's request												Total									
Deliverables: QA/QC Report Needed? Yes No (additional charge)																					
Signature Affiliation Date/Time																					
1 Relinquished by: <i>[Signature]</i>														7-16-11 9:00							
1 Received by: <i>[Signature]</i>														7/16/11 0900							
2 Relinquished by:																					
2 Received by:																					
3 Relinquished by:																					
3 Received by:																					
www.flenviro.com														COC Page _____ of _____							

Sample Custody & Field Comments Temp as received 4°C Custody seals? Y N FIELD TIME: Sampling _____ hrs Pick-Up _____ hrs Misc. Charges _____		Bottle Type A-liter amber B-Bacteria bag/bottle F-500 ml L-liter bottle S4-4 oz soil jar / S8-8 oz soil jar T-250 ml V-40 ml vial W-wide mouth X-other TED-Tedlar Air Bag Additional Bottle Types B-brown liter plastic		Preservatives A-ascorbic acid C-HCL Cu-CuSO4 H-HNO3 M-MCAB Z-zinc acetate P-H3PO4 S-H2SO4 T-Na2S2O3 U-Unpreserved N-NaOH NH4-NH4CL Additional Preservatives Hex-Hex Cr Buffer EDA-Ethylene Diamine	
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Report To:
Brooke Allen
Layne Christensen Co-FL
5061 Luckett Road
Fort Myers, FL 33905

Page 1 of 1
Report Printed: 07/19/11
Submission # 1107000383
Order # 73097

Project: Packer Test WQ Samples PT-3
Site Location: Turkey Point, Homestead, FL
Matrix: Water

Sample I.D.: EW-1-PT-3 (1225-1285)
Collected: 07/17/11 17:30
Received: 07/18/11 10:15
Collected by: Eric Meyer

LABORATORY ANALYSIS REPORT

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Specific Conductance (Field)(grab)	5340		uS/cm	0.2	0.6	120.1	07/17 17:30	07/17 17:30	Client
Chloride	1500		mg/L	2.20	6.60	300.0	07/19 14:00	07/19 14:00	DGK
Nitrogen (Ammonia) as N	0.08		mg/L	0.01	0.03	350.1	07/18 14:08	07/18 14:08	RPV
Nitrogen (Kjeldahl) as "N"	0.16	I	mg/L	0.070	0.210	351.2	07/19 09:00	07/19 11:47	MSG
Total Dissolved Solids (TDS)	3120		mg/L	1.00	3.00	SM 2540C	07/18 16:32	07/18 16:31	CEB

Unless indicated, soil results are reported based on actual (wet) weight basis.

Analytes not currently NELAC certified denoted by ~.
Work performed by outside (subcontract) labs denoted by Cert.ID in Analyst Field.
Results relate only to this sample.
QC=Qualifier Codes as defined by DEP 62-160
U=Analyzed for but not detected.
Q=Sample held beyond accepted holding time.
I=Value is between MDL and PQL.
J=Estimated value.


Authorized CSM Signature (954) 978-6400
Florida-Spectrum Environmental Services, Inc.
Certification # E86006

Florida-Spectrum Environmental Services, Inc.
1460 W. McNab Road, Fort Lauderdale, FL 33309

Pembroke Laboratory
528 Gooch Rd.
Fort Meade, FL 33841

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610 North Parrot Ave.
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www.flenviro.com

Spectrum Laboratories
630 Indian St.
Savannah, GA 31401

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Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2011-320 Enclosure 2 Page 1 of 6

Enclosure 2

Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well
Project; Intermediate Casing Setting Depth Recommendation - Packer Test #4
Analytical Water Quality Report; Permit #0293962-001-UC dated July 22, 2011



McNabb Hydrogeologic Consulting, Inc.

601 Heritage Drive, Suite 110
Jupiter, Florida 33458
Phone: 561-891-0763
Fax: 561-623-5469

July 22, 2011

MHCDEP-11-0311

Mr. Joe May, P.G.
Florida Department of Environmental Protection
400 N. Congress Ave, Suite 200
West Palm Beach, FL 33401

**RE: Florida Power & Light Company Turkey Point Units 6 & 7 Exploratory Well
Project; Intermediate Casing Setting Depth Recommendation - Packer Test #4
Analytical Water Quality Report; Permit #0293962-001-UC**

Dear Mr. May:

The 34-inch diameter intermediate casing setting depth recommendation letter submitted to the Department on June 20, 2011 included the water quality results for packer tests # 1 through #3 and indicated that the water quality analytical report for packer test #4 would be provided to the Department when available. Please see the attached water quality analytical report for packer test #4. The water quality data for all packer tests (#1 through #4) is summarized below.

Test #	Test Interval (ft. bpl)	Specific Conductance (umhos/cm)	Chloride (mg/L)	TDS (mg/L)	TKN (mg/L)	Ammonia (mg/L)	Temperature (Celsius)	pH (standard units)
1	1,505 - 1,535	22,420	7,990	13,890	0.22	0.18	25.8	7.55
2	1,400 - 1,430	9,850	3,230	5,780	0.13	0.11	24.4	7.55
3	1,225 - 1,285	5,340	1,500	3,120	0.16	0.08	26.8	7.80
4	1,102 - 1,162	4,980	1,130	2,984	0.34	0.32	24.9	7.86

Should you have any questions regarding the above information, please contact me at (561) 891-0763 or Matthew Raffenberg (FPL) at (561) 691-2808.

Sincerely,

McNabb Hydrogeologic Consulting, Inc.



7/22/11
David McNabb, P.G.

Attachment: Packer Test #4 Water Quality Analytical Report

cc : Joe Haberfeld/FDEP-Tallahassee
George Heuler/FDEP-Tallahassee
Steve Anderson/SFWMD
Ron Reese/USGS
Matthew Raffenberg/FPL
David Holtz/HCE

Packer Test #4 Water Quality Analytical Report



Report To:
Brooke Allen
Layne Christensen Co-FL
5061 Luckett Road
Fort Myers, FL 33905

Page 1 of 1
Report Printed: 07/21/11
Submission # 1107000417
Order # 73259

Project: Packer Test WQ Samples PT-4
Site Location: Turkey Point, Homestead, FL
Matrix: Water

Sample I.D.: EW-1-PT-4(1102-1162)
Collected: 07/19/11 01:00
Received: 07/19/11 08:30
Collected by: Eric Meyer

LABORATORY ANALYSIS REPORT

PARAMETER	RESULT	QC	UNITS	MDL	PQL	METHOD	DATE EXT.	DATE ANALY.	ANALYST
Specific Conductance (Field)(grab)	4980		uS/cm	0.2	0.6	120.1	07/19 01:00	07/19 01:00	Client
Chloride	1130		mg/L	2.20	6.60	300.0	07/19 12:25	07/19 12:25	DGK
Nitrogen (Ammonia) as N	0.32		mg/L	0.01	0.03	350.1	07/21 15:09	07/21 15:09	MSG
Nitrogen (Kjeldahl) as "N"	0.34		mg/L	0.070	0.210	351.2	07/19 09:00	07/19 11:47	MSG
Total Dissolved Solids (TDS)	2984		mg/L	1.00	3.00	SM 2540C	07/20 14:40	07/20 14:40	LYR

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Results relate only to this sample.
QC=Qualifier Codes as defined by DEP 62-160
U=Analyzed for but not detected.
Q=Sample held beyond accepted holding time.
I=Value is between MDL and PQL.
J=Estimated value.


Authorized CSM Signature (954) 978-6400
Florida-Spectrum Environmental Services, Inc.
Certification # E86006


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1460 W. McNab Road, Fort Lauderdale, FL 33309

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Savannah, GA 31401

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SUBMISSION # <u>1107-417</u> Logged in LIMS by <u>AL</u> CSM assigned _____				CHAIN OF CUSTODY RECORD <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 1460 W. McNab Road Ft. Laud. FL 33309 <input type="checkbox"/> 630 Indian Street Savannah, GA 31401 <input type="checkbox"/> 528 Gooch Road Fort Meade, FL 33841 <input type="checkbox"/> 610 Parrot Ave. N. Okeechobee, FL 34972 </div> <div> Tel: (954) 978-6400 Tel: (912) 238-5050 Tel: (863) 285-8145 Tel: (863) 763-3336 </div> <div> Fax: (954) 978-2233 Fax: (912) 234-4815 Fax: (863) 285-7030 Fax: (863) 763-1544 </div> </div>						DUE DATE Requested <u>7/20/11</u> RUSH RESERVATION # <u>MEC4235</u> <i>Rush Surcharges apply</i>	
		Original-Return w/report		Yellow-Lab File Copy		Pink - Sampler Copy					
Report to: (company name) <u>LAYNE CHRISTENSEN COMPANY</u>				Report to Address: <u>5061 LUCKETT RD., FT. MYERS, FL 33905</u>							
Invoice to: (company name) <u>LAYNE CHRISTENSEN COMPANY</u>				Purchase Order #		Invoice to Address: <u>5061 LUCKETT RD., FT. MYERS, FL 33905</u>					
Project Name and/or Number <u>PACKER TEST WQ SAMPLES PT-4 ANALYSIS</u>				Site Location: <u>TURKEY POINT, HOMESTEAD, FL 33035</u>							
Project Contact: <u>BROOK ALLEN/CRAIG BRUGGER</u>				Phone: <u>889-275-1029/239-275-1025</u>		Fax:		Email: <u>CJ BRUGGER@LAYNECHRISTENSEN.COM</u> <u>BALLEN@LAYNECHRISTENSEN.COM</u>			
Sampler Name: (printed) <u>ERIC MEYER</u>				Affiliation: <u>MHC</u>		Sampler Signature: <u>[Signature]</u>					

ORDER # <small>Lab Control Number</small>	Sample ID	Date Sampled	Time Sampled	Matrix <small>DW SW GW WW S SED HW BIO SEA OIL X AIR</small>	Bottle & Pres. Combo Codes	Number of Containers Received & NELAC Letter Suffixes # A-?	Analysis Required								Field Tests					
							CHLORIDE	TDS	SP COND.	TKH	NH3							TEMP °C	PH	COND
1 <u>73259</u>	<u>EW-1-PT-4 (1102-1162)</u>	<u>7/19/11</u>	<u>01:00</u>	<u>GW</u>	<u>30</u>	<u>2</u>	<u>1</u>	<u>1</u>									<u>24.9</u>	<u>7.86</u>	<u>1980</u>	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

24 Hour Rush

RUSH

Special Comments: <u>(24 Hour Rush)</u>		Total	
"I waive NELAC protocol" (sign here) >			

Deliverables:		QA/QC Report Needed? Yes No (additional charge)	
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Sample Custody & Field Comments Temp as received <u>4</u> °C Custody seals? Y N FIELD TIME: Sampling _____ hrs Pick-Up _____ hrs Misc. Charges _____	Bottle Type A-liter amber B-Bacteria bag/bottle F-500 ml O-125 ml L-liter bottle S4-4 oz soil jar / S8-8 oz soil jar T-250 ml V-40 ml vial W-wide mouth X-other _____ TED-Tedlar Air Bag Additional Bottle Types B-brown liter plastic	Preservatives A-ascorbic acid P-H3PO4 C-HCL S-H2SO4 Cu-CuSO4 T-Na2S2O3 H-HNO3 U-Unpreserved M-MCAB N-NaOH Z-zinc acetate NH4-NH4CL Additional Preservatives Hex-Hex Cr Buffer EDA-Ethylene Diamine	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Signature</th> <th>Affiliation</th> <th>Date/Time</th> </tr> <tr> <td>1 Relinquished by: <u>[Signature]</u></td> <td><u>MHC</u></td> <td><u>7/19/11 0115</u></td> </tr> <tr> <td>1 Received by: <u>[Signature]</u></td> <td><u>[Signature]</u></td> <td><u>7/19/11 2:30 AM</u></td> </tr> <tr> <td>2 Relinquished by: <u>[Signature]</u></td> <td><u>[Signature]</u></td> <td><u>7/19/11 8:30</u></td> </tr> <tr> <td>2 Received by: <u>[Signature]</u></td> <td><u>PBS</u></td> <td><u>7/19/11 830</u></td> </tr> <tr> <td>3 Relinquished by:</td> <td></td> <td></td> </tr> <tr> <td>3 Received by:</td> <td></td> <td></td> </tr> </table>	Signature	Affiliation	Date/Time	1 Relinquished by: <u>[Signature]</u>	<u>MHC</u>	<u>7/19/11 0115</u>	1 Received by: <u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/11 2:30 AM</u>	2 Relinquished by: <u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/11 8:30</u>	2 Received by: <u>[Signature]</u>	<u>PBS</u>	<u>7/19/11 830</u>	3 Relinquished by:			3 Received by:		
Signature	Affiliation	Date/Time																						
1 Relinquished by: <u>[Signature]</u>	<u>MHC</u>	<u>7/19/11 0115</u>																						
1 Received by: <u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/11 2:30 AM</u>																						
2 Relinquished by: <u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/11 8:30</u>																						
2 Received by: <u>[Signature]</u>	<u>PBS</u>	<u>7/19/11 830</u>																						
3 Relinquished by:																								
3 Received by:																								

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COC Page 1 of 1