From: Wade Beins
To: Lancaster, Thomas
Cc: John Schmuck; Doug Pavlick
Subject: FW: Well Logs
Date: Wednesday, April 30, 2014 7:04:16 PM
Attachments: holibaugh 1.pdf
Smith1A.pdf
Chicoine 1A.pdf
Royal #1.pdf

John and Tom

Here is the log for Royal #1.

Wade A. Beins

Wade Beins
Senior Geologist
Cameco Resources
Crow Butte Operation
Box 169
Crawford, NE 69339
Office: (308) 665-2215 Ext 113

This e-mail and any files transmitted with it are personal and confidential, and are intended solely for the use of the individual or entity addressed. Therefore, if you are not the intended recipient, please delete this e-mail and any files transmitted with it (without making any copies) and contact Cameco Resources at once at (308) 665-2215 Ext. 121.

From: John Schmuck
Sent: Wednesday, April 30, 2014 4:45 PM
To: Lancaster, Thomas (Thomas.Lancaster@nrc.gov)
Cc: Wade Beins
Subject: Well Logs

Tom – I have attached well logs that I downloaded from the Nebraska Oil and Gas Commission website. I think these pdfs will be easier to view.
I have attached logs for Holibaugh 1, Smith 1A and, Chicoine 1A.

Porter 1 and Chicoine 1 were lost holes and not logging was performed.

I need to talk to Wade about Royal in the morning.

I hope this helps.

.john

This email and any files transmitted with it are personal and confidential, and are solely for the use of the individual or entity addressed. Therefore, if you are not the intended recipient,

please delete this email and any files transmitted with it (without making any copies) and advise the author immediately.

SCHLUMBERGER INDUCTION ELECTRICAL LOG

COMPANY	AUTRY, JOSEPHSON AND GABLE
WELL	HOLLIBAUGH NO. 1
FIELD	WILDCAT
COUNTY	DAWES
STATE	NEBRASKA
LOCATION	NE NE
Sec.	12
Twp.	29N
Rge.	51W
Other Services	SLC-GR

Permanent Datum: G.L., Elev. 4236
Log Measured From K.B., 8 Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. 4244, D.F. ----, G.L. 4236

Date	1-17-69
Run No.	ONE
Depth—Driller	3295
Depth—Logger	3283
Btm. Log Interval	3282
Top Log Interval	217
Casing—Driller	8 5/8 @ 208
Casing—Logger	217
Bit Size	7 7/8"
Type Fluid in Hole	FGM
Dens. / Visc.	10.1 / 74
pH / Fluid Loss	7.5 / 6.4 ml
Source of Sample	CIRCULATED
R_m @ Meas. Temp.	5.42 @ 72 °F
R_{mf} @ Meas. Temp.	6.35 @ 60 °F
R_{mc} @ Meas. Temp.	--- @ --- °F
Source: R_{mf} / R_{mc}	M / ---
R_m @ BHT	3.82 @ 102 °F
Time Since Circ.	1.5 HOURS
Max. Rec. Temp.	102 °F
Equip. / Location	3824 / FM
Recorded By	WILDERSON
Witnessed By	MR. MOSSEL AND MR. WHEAT

The well name, location and borehole reference data were furnished by the customer.

Reproduced By
Electrical Log Services, Inc.
Midland, Texas

REFERENCE K 4418G

9

RECEIVED MAR 4 1969

COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

IP

GOR GR

TP CP

REMARKS:

REMARKS *AND GABLE

Changes in Mud Type or Additional Samples

R_m @ BHT	3.82 @ 102 °F	
R_{mf} @ BHT	3.74 @ 102 °F	
R_{mc} @ BHT	--- @ --- °F	

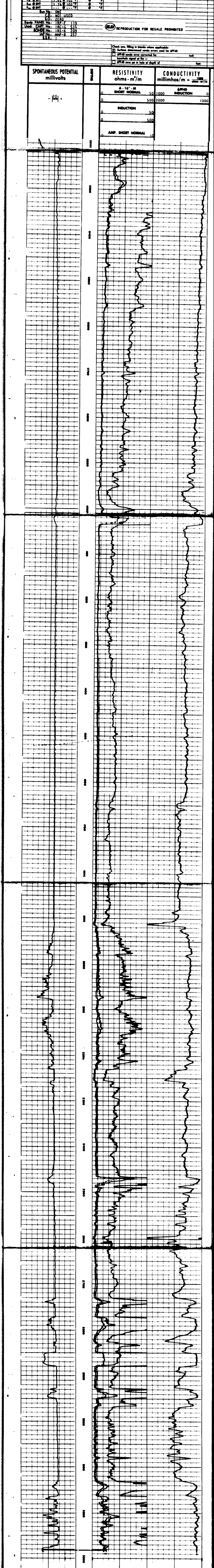
Run No.	Tool Type	Tool Position	Other
ONE	6FF40		

Run No.	ONE
C.D.	NOT USED
S.O.	ZERO
Equip. Used: PANEL No.	IRP-F 119
CART. No.	IRC-G 534
SONDE No.	IRS-K 209
AP No.	MMP-B 257
S.S.R.	1

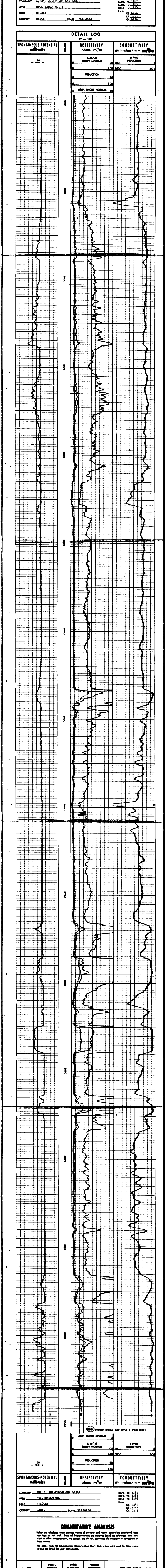
ELSI REPRODUCTION FOR RESALE PROHIBITED

Check one, filling in blanks where applicable:
[X] Surface determined sonde errors used for 6FF40.
[ ] 6FF40 sonde error corrected for ___ inch borehole signal at Rm = ___
[ ] 6FF40 zero set in hole at depth of ___ feet.

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms-m²/m
− 20 +		A - 16" - M SHORT NORMAL 0–50; 0–500	6FF40 INDUCTION 1000–0; 2000–1000
		INDUCTION 0–50; 0–500	
		AMP. SHORT NORMAL 0–10	



DETAIL LOG



ELSI REPRODUCTION FOR RESALE PROHIBITED

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms-m²/m

COMPANY AUTRY, JOSEPHSON AND GABLE
WELL HOLLIBAUGH NO. 1
FIELD WILDCAT
COUNTY DAWES STATE NEBRASKA
SCHL. FR 3282, SCHL. TD 3283, DRLR TD 3295
Elev: KB 4244, DF ----, GL 4236

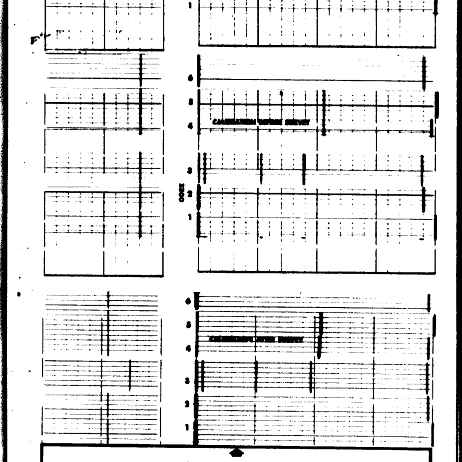
QUANTITATIVE ANALYSIS

Below are tabulated some average values of porosity and water saturation calculated from your logs on this well. Since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of these values.

The pages from the Schlumberger Interpretation Chart Book which were used for these calculations are listed for your convenience.

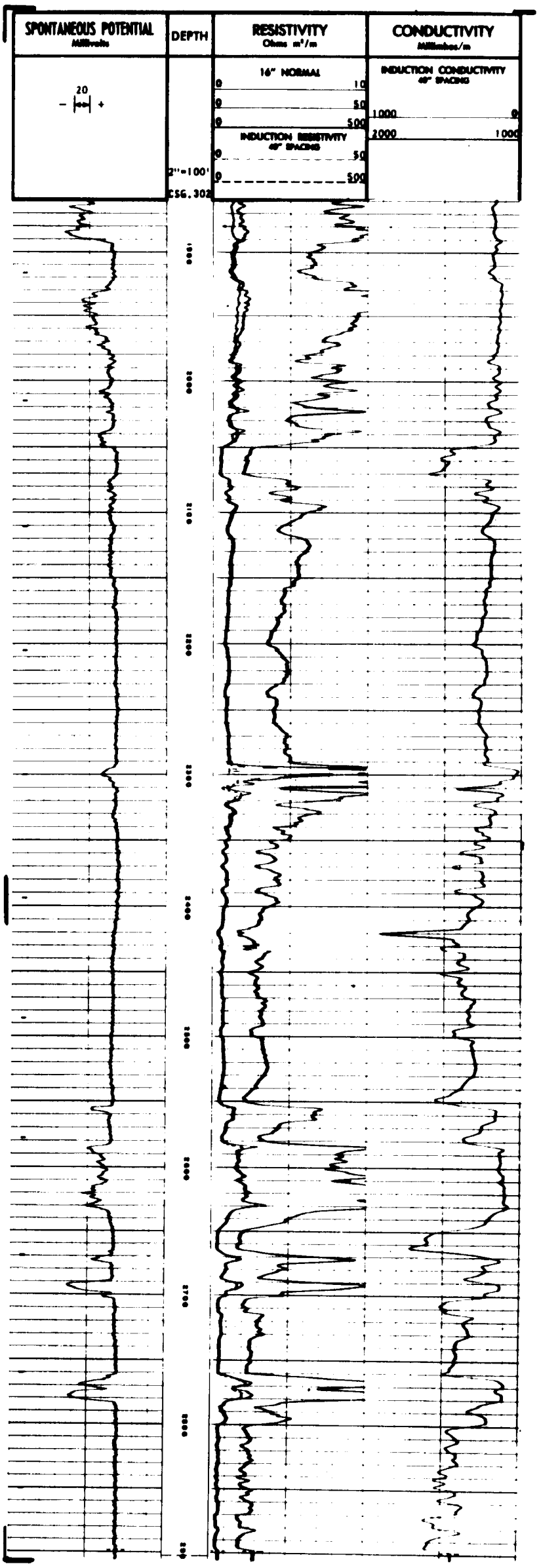
ZONE	SONIC POROSITY Ø in %	WATER SATURATION S_w in %	PROBABLE PRODUCTION	PAGES USED (SWSC Chart Book)
2736 to 2742	25-27	100	WATER	RW=0.80
2786 to 2789	25	100	WATER	RW=0.80
2850 to 2858	26	95	WATER	RW=0.80
2858 to 2869	26-28	87-95	WATER	RW=0.60
2869 to 2877	28-31	85-90	WATER	RW=0.60
2928 to 2931	35	100	(SHALY) WATER	RW=1.20
2940 to 2946	28-32	95-100	(SHALY) WATER	RW=1.20
3164 to 3170	25	100	(SHALY) WATER	RW=0.75
3203 to 3206	23	100	(SHALY) WATER	RW=0.75
3206 to 3209	17	100	WATER	RW=0.75
to				
to				

CALIBRATION DATA



CALIBRATION DATA

COMPANY AUTRY, JOSEPHSON AND GABLE
WELL HOLLIBAUGH NO. 1
FIELD WILDCAT
COUNTY DAWES STATE NEBRASKA
SCHL. FR 3282, SCHL. TD 3283, DRLR TD 3295
Elev: KB 4244, DF ----, GL 4236



ABRIDGE-A-LOG

ROCKY MOUNTAIN WELL LOG SERVICE

ORD. REF. # K 5291H

ELSI

DresserAtlas *Induction Electrolog*

FILE NO.	COMPANY TOLTEK DRILLING CO. & O. N. BEER
	WELL # 1-A SMITH
	FIELD WILDCAT
	COUNTY DAWES STATE NEBRASKA
	LOCATION: NE-NE SEC 29 TWP 29N RGE 50W
	Other Services: GR-AL/C
Permanent Datum G.L. Elev. 4106	Elevations: KB 4116
Log Measured from K.B. 10 Ft. Above Permanent Datum	DF
Drilling Measured from K.B.	GL 4106

Date	2-13-69			
Run No.	ONE			
Depth—Driller	2900			
Depth—Logger	2902			
Bottom Logged Interval	2898			
Top Logged Interval	302			
Casing—Driller	8 5/8 @ 304	●	●	●
Casing—Logger	302			
Bit Size	7 7/8			
Type Fluid in Hole	CHEM.GEL.			
Density and Viscosity	9.7 74			
pH and Fluid Loss	10.0 10.4cc			
Source of Sample	FLOWLINE		R	R
Rm @ Meas. Temp.	7.0 @ 52 °F	●	●	●
Rmf @ Meas. Temp.	5.0 @ 52 °F	●	●	●
Rmc @ Meas. Temp.	9.6 @ 52 °F	●	●	●
Source of Rmf and Rmc	CALCULATED			
Rm @ BHT	3.5 @ 108 °F	●	●	●
Time Since Circ.	1.5 HOURS			
Max. Rec. Temp. Deg. F.	108 °F			
Equip. No. and Location	11.3004 F.H.			
Recorded by	MAUCHMAN			
Witnessed by	MR.MORRIS & MR.DUNN			

Company	TOLTEK DRILLING CO. & O.N. BEER	Driller's T.D.	2900'
Well	# 1-A SMITH	Log F.B.	2898'
Field	WILDCAT	Log T.D.	2902'
County	DAWES	Elevations:	
State	NEBRASKA	K.B. 4116' D.F.	G.L. 4106'

RECEIVED
SEP 19 1969
Nebraska Oil & Gas
Cons. Commission

Compensated Densilog
Compensated Neutron
Gamma Ray

DRESSER

FILE NO	
API NO	
COMPANY	PETRONOMICS, INC.
WELL	CAICOINE # 1-A
FIELD	WILDCAT
COUNTY / STATE	[illegible] / [illegible]
LOCATION	1820 FNL & 660 FWL N/2 SWNW
SEC / TWP / RGE	20 / [illegible] / [illegible]
Other Services	DLL/GR
Permanent Datum	G.L. Elev 4484
Log Measured from	K.B. 6 Ft Above Permanent Datum
Drilling Measured from	K.B.
Elev KB / DF / GL	4490 / / 4484

Date	11-7-81
Run No	ONE
Depth—Driller	[illegible]
Depth—Logger	[illegible]
Bit Size	7 7/8
Type Fluid in Hole	KCL
Recorded By	J C [illegible]
Witnessed By	[illegible]

Reproduced By
Petroleum Information.

REFERENCE D 791E

10 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO. 26-045-21068

CASING RECORD

PERFORATING RECORD

ACID. FRAC SHOT

IP

GOR GR

TP CP

REMARKS:

REPRODUCTION FOR RESALE PROHIBITED

EQUIPMENT DATA

LOGGING DATA

GAMMA RAY CALIPER	DEPTH	COMPENSATED DENSILOG® COMPENSATED NEUTRON

SCHLUMBERGER WELL SURVEYING CORPORATION
HOUSTON, TEXAS

SCHLUMBERGER

ELECTRICAL LOG

COUNTY DAWES
FIELD or LOCATION WILDCAT 23-30N-51W
WELL ROSCOE ROYAL # 1
COMPANY GULF OIL CORP.

COMPANY GULF OIL CORP.
WELL ROSCOE ROYAL #1
FIELD WILDCAT
LOCATION 23-30N-51W 960'N/S, 860'E/W, SW 1/4
COUNTY DAWES
STATE NEBRASKA

Location of Well

317

Elevation: D.F.: K.B.: 4469 or G.L.: 4465

FILING No.

RUN No.	ONE
Date	1-20-53
First Reading	3956
Last Reading	377
Feet Measured	3579
Csg. Schlum.	377
Csg. Driller	377
Depth Reached	3956
Bottom Driller	3955
Depth Datum	K.B.
Mud Nat.	CHEM
Density	9.1
Viscosity	62
Resist.	4.0 @ 45 °F
Res. BHT	1.5 @ 128 °F
pH	@ °F
Wtr. Loss	CC 30 min.
Max. Temp. °F	128
Bit Size	9"
Spcg.–AM	16"
AM'M	64"
AO	18'8"
Opr. Rig Time	11 hr
Truck No.	759-STD
Recorded By	SCHOEL
Witness By	FREDERICK

REMARKS MUD SAMPLE FROM MUD PIT.

SPONTANEOUS-POTENTIAL MILLIVOLTS	RESISTIVITY -ohms. m²/m	RESISTIVITY -ohms. m²/m
- 20 +	0 NORMAL 50	0 LONG NORMAL 50
	0 LATERAL 50	
	0 AMPLIFIED NORMAL 10	

CSG. 377

3956 IST RDG.

- 20 +	0 NORMAL 50	0 LONG NORMAL 50
	0 LATERAL 50	

GULF OIL CORP.
ROSCOE ROYAL # 1
23-30N-51W
DAWES CO. NEBRASKA
ELEV. 4469 K.B.