DUAL INDUCTION LL3/GR LOG

Company	BRUCE OIL COMPANY, LLC.
Well	KAW # 2 SWD
Field	RAINBOW BEND
County	COWLEY
State	KANSAS

Company BRUCE OIL COMPANY, LLC.
Well KAW # 2 SWD
Field RAINBOW BEND
County COWLEY State KANSAS

Location: API # : 15-035-19543-00-01
NE SW SE
990' FSL & 1650' FEL
SEC 17 TWP 33S RGE 3E

Other Services
CDL/SWN

Permanent Datum	GL	Elevation 1115'	Elevation
Log Measured From	KB		K.B. 1123'
Drilling Measured From	KB		D.F. 1122' G.L. 1115'

Date	10-04-2013		
Run Number	ONE		
Depth Driller	3855'		
Depth Logger	3855'		
Bottom Logged Interval	3853'		
Top Log Interval	SURFACE		
Casing Driller	8 5/8" @ 307'		
Casing Logger	8 5/8" @ 307'		
Bit Size	7 7/8"		
Type Fluid in Hole	DISPERSED		
Density / Viscosity	9.2 / 58		
pH / Fluid Loss	10.4 / 9.9		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.00 @ 80		
Rmf @ Meas. Temp	2.40 @ 80		
Rmc @ Meas. Temp	1.60 @ 80		
Source of Rmf / Rmc	CAL		
Rm @ BHT	1.41 @ 113		
Time Circulation Stopped	11:00 AM		
Time Logger on Bottom	4:00 PM		
Maximum Recorded Temperature	113		
Equipment Number	OW2		
Location	HOMINY, OK		
Recorded By	LOWERY		
Witnessed By	MR. JOHNSON		

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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.

Comments

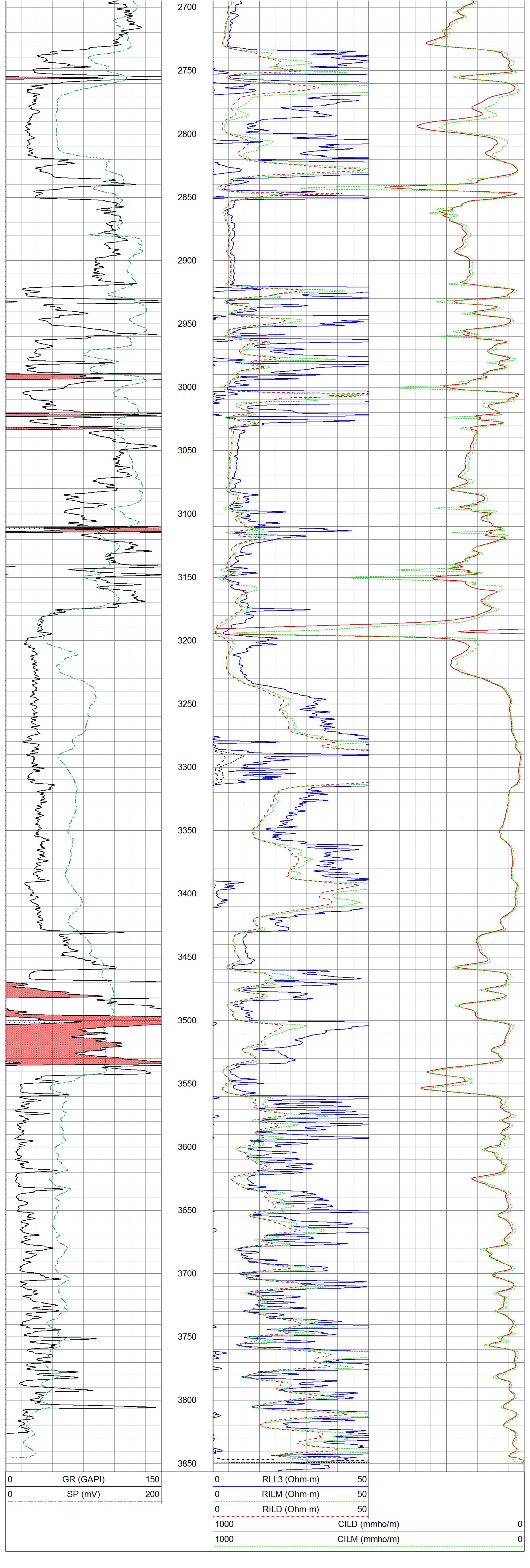
OW2-8457

CREW : KIDD

OLD TD 3222'. NEW HOLE DOWN TO 3855'

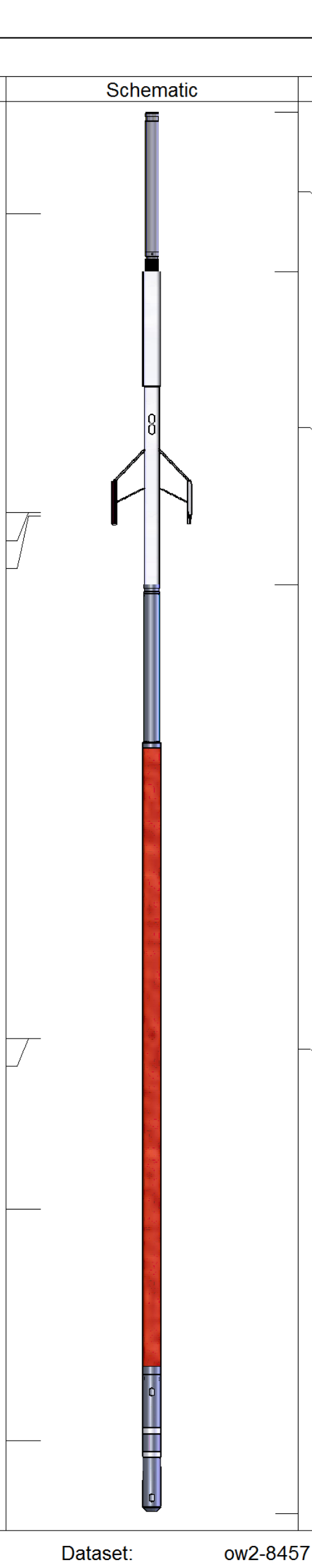
2" DIL SECTION

Database File: ow2-8457 bruce oil company.db
Dataset Pathname: DILM/pass1.4
Presentation Format: dil2mdcol
Dataset Creation: Fri Oct 04 17:17:03 2013 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:600



5" DIL SECTION

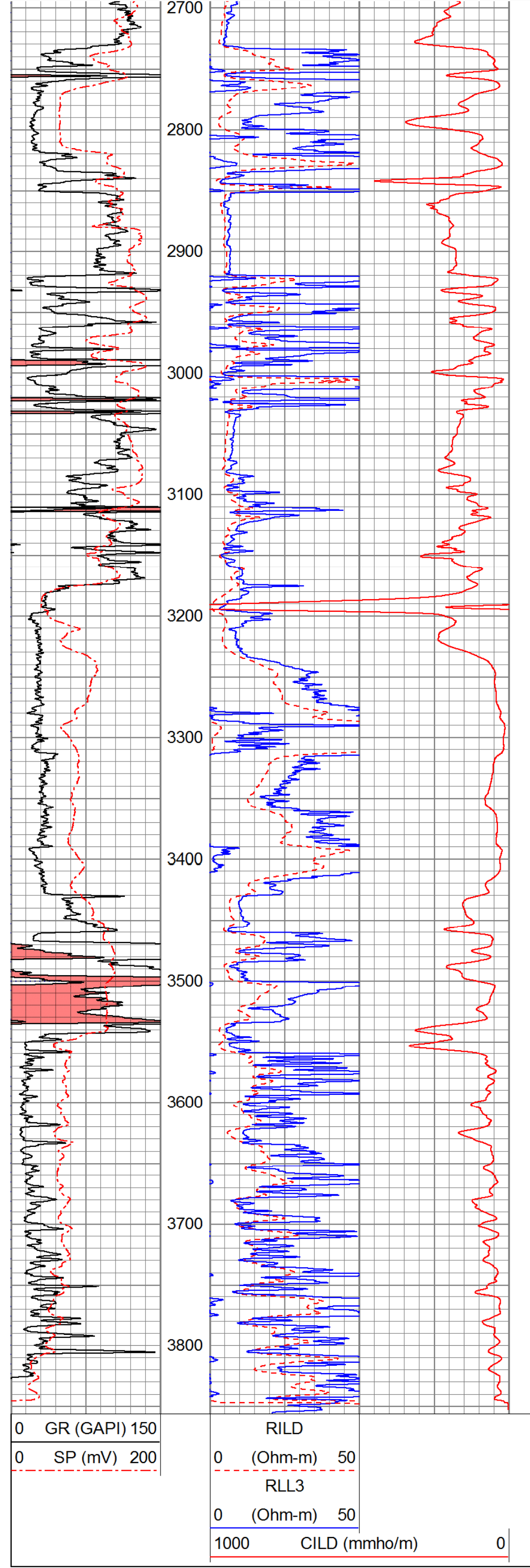
Database File: ow2-8457 bruce oil company.db
Dataset Pathname: DILM/pass1.3
Presentation Format: dil5mdcol
Dataset Creation: Fri Oct 04 17:16:03 2013 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	29.91		GR-PTS_OH (120327) Open Hole Gamma Ray	3.68	3.38	50.00
MN MCAL MI	23.03 23.03 22.95		MEL-GOI (TEL) Microlog Telemetry	7.21	3.50	100.00
CILD SP	10.92 10.92		DIL-GEAR (159) Dual Induction Electrical Log	21.36	4.00	345.00
CILM	7.00					
RLL3	1.67					

Dataset: ow2-8457 bruce oil company.db: field/well/DILM/pass1
Total Length: 32.25 ft
Total Weight: 495.00 lb
O.D. 4.00 in

1" DIL SECTION

Database File: ow2-8457 bruce oil company.db
Dataset Pathname: DILM/pass1.2
Presentation Format: dil1
Dataset Creation: Fri Oct 04 17:15:52 2013 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:1200



1" DIL SECTION