Company	ALEO Oil Company
Well	Deines #3
Field	Trapp
County	Russell
State	Kansas

DUAL INDUCTION LOG

Company	ALEO Oil Company
Well	Deines #3
Field	Trapp
County	Russell
State	Kansas

API # : 15 167 23835

Location:
437' FNL & 1148' FEL

SEC 36 TWP 15S RGE 14W

Other Services
CDNL

Permanent Datum Ground Level Elevation 1860'
Log Measured From KB 12' AGL
Drilling Measured From KB

Elevation
K.B. 1872'
D.F. ------
G.L. 1860'

Date	11-22-12			
Run Number	One			
Depth Driller	3304'			
Depth Logger	3301'			
Bottom Logged Interval	3278'			
Top Log Interval	2600'			
Casing Driller	845'			
Casing Logger	845'			
Bit Size	7 7/8"			
Type Fluid in Hole	Chemical			
Density / Viscosity	9.2/46			
pH / Fluid Loss	10.0/8.8			
Source of Sample	Pit			
Rm @ Meas. Temp	1.3@70degf			
Rmf @ Meas. Temp	.96@70degf			
Rmc @ Meas. Temp	1.54@70degf			
Source of Rmf / Rmc	Calculated			
Rm @ BHT	.84@108degf			
Time Circulation Stopped	8:00 a.m.			
Time Logger on Bottom	10:15 a.m.			
Maximum Recorded Temperature	108 degf			
Equipment Number	T045			
Location	Hays, KS.			
Recorded By	L. Smith			
Witnessed By	Mr. Steve Murphy			

<<< 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.

Comments

South of Russell on 281 to Michaelis Rd., East1.2 miles, South into.

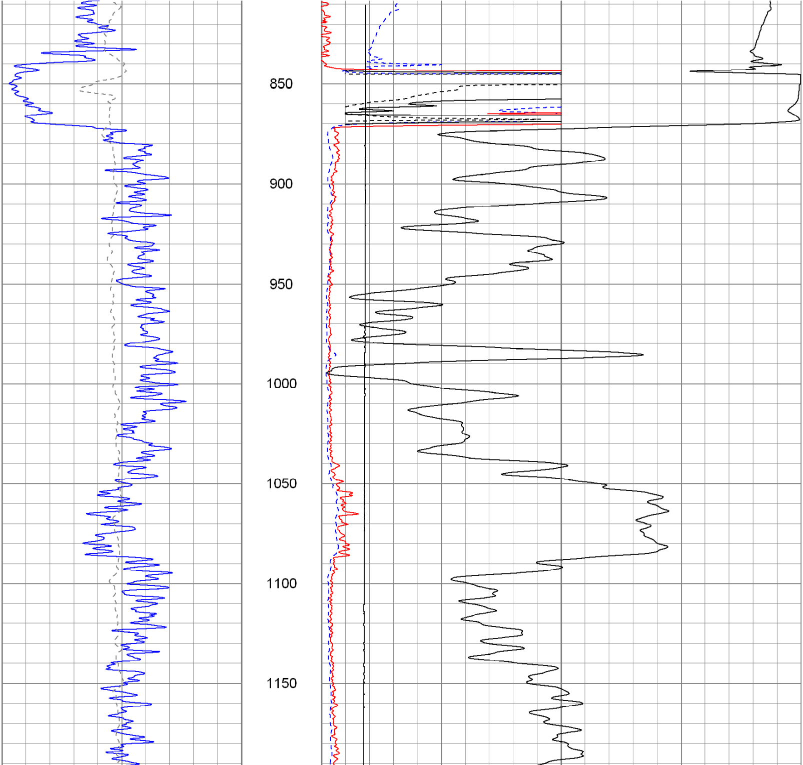
Thanks for using The Perforators Hays, KS. (785-621-4604)

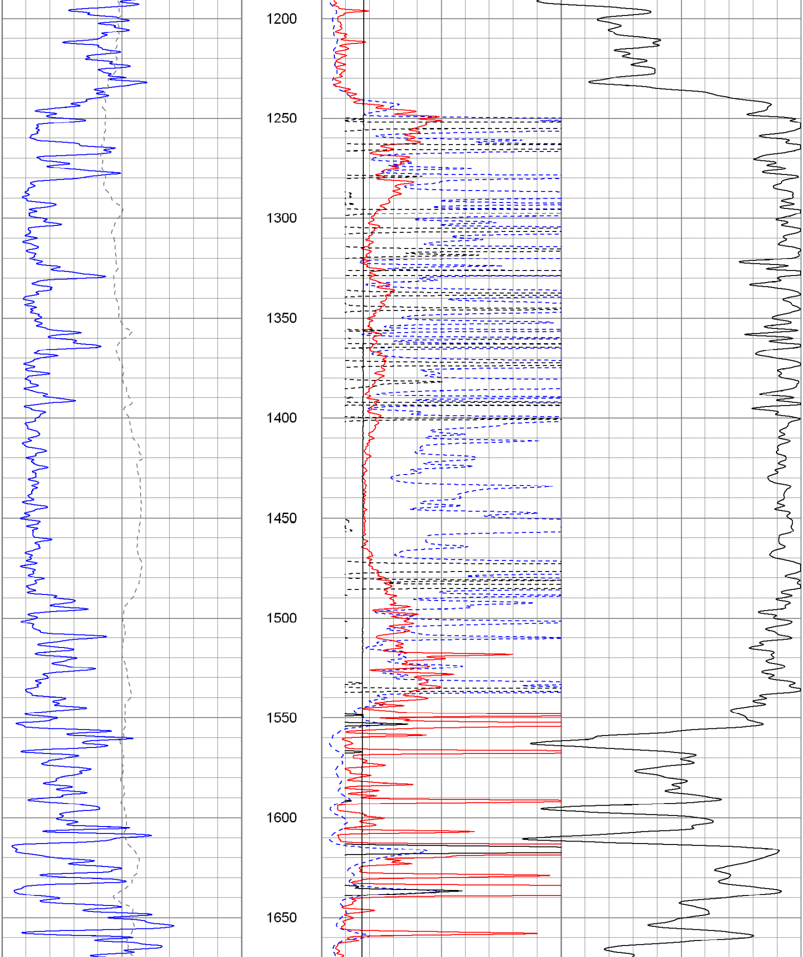
Main Pass

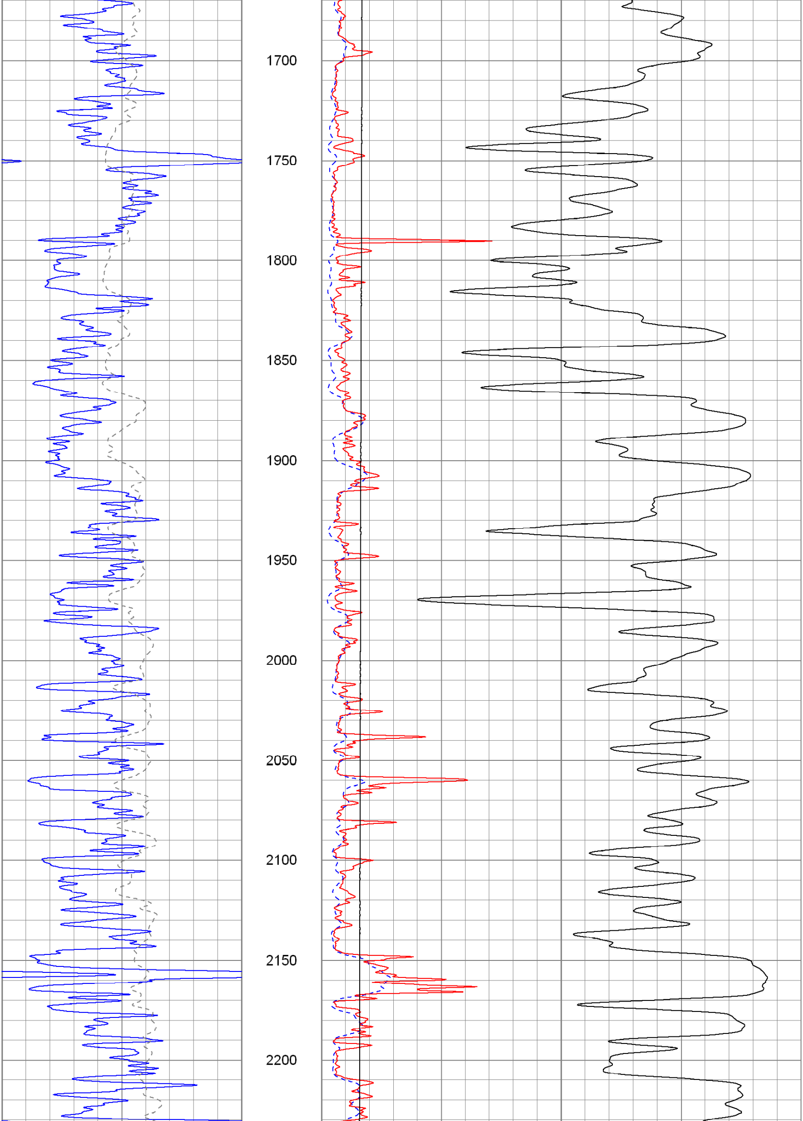
Database File: alodeines#3oh.db
Dataset Pathname: pass2
Presentation Format: kdillin2
Dataset Creation: Thu Nov 22 10:25:43 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

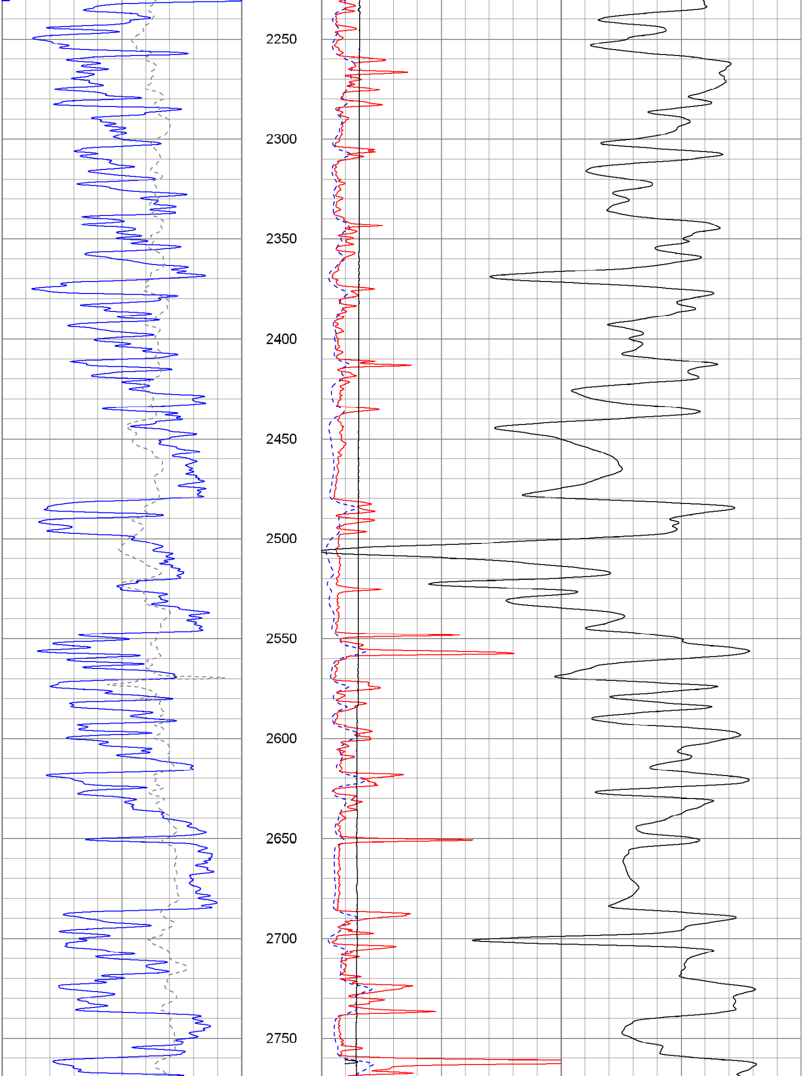
0 GR (GAPI) 150
-200 SP (mV) 0

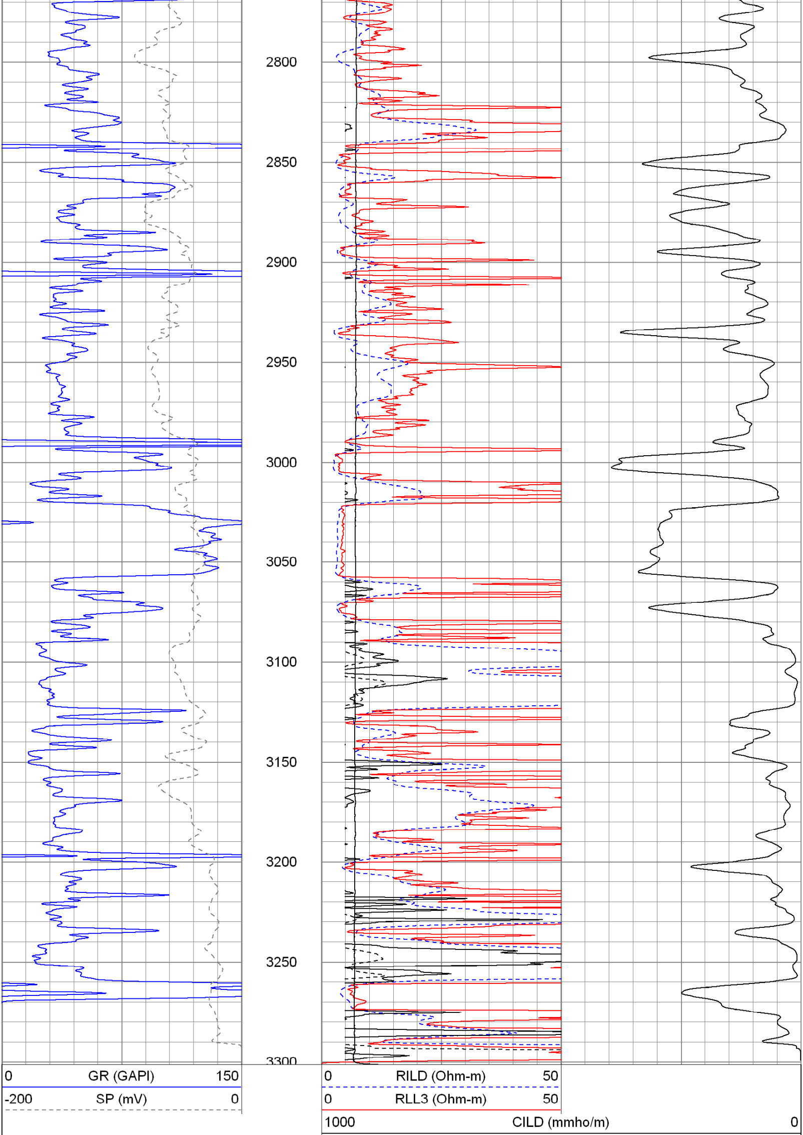
0 RILD (Ohm-m) 50
0 RLL3 (Ohm-m) 50
1000 CILD (mmho/m) 0
10000 LTEN (lb) 0
50 RILD x 10 (Ohm-m) 500
50 RLL3 x 10 (Ohm-m) 500











10000 LTEN (lb) 0

50 RILD x 10 (Ohm-m) 500

50 RLL3 x 10 (Ohm-m) 500

Main Pass

Database File:	alodeines#3oh.db
Dataset Pathname:	pass2
Presentation Format:	kdil
Dataset Creation:	Thu Nov 22 10:25:43 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

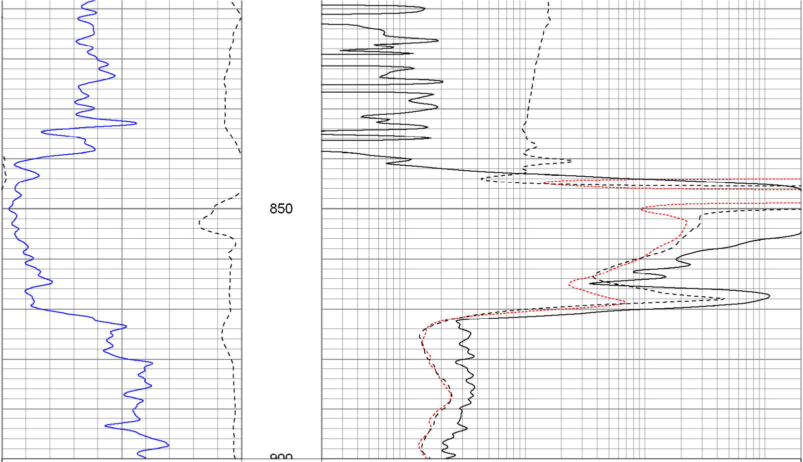
0 GR (GAPI) 150

-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000

0.2 RILD (Ohm-m) 2000

0.2 RLL3 (Ohm-m) 2000



0 GR (GAPI) 150

-100 SP (mV) 100

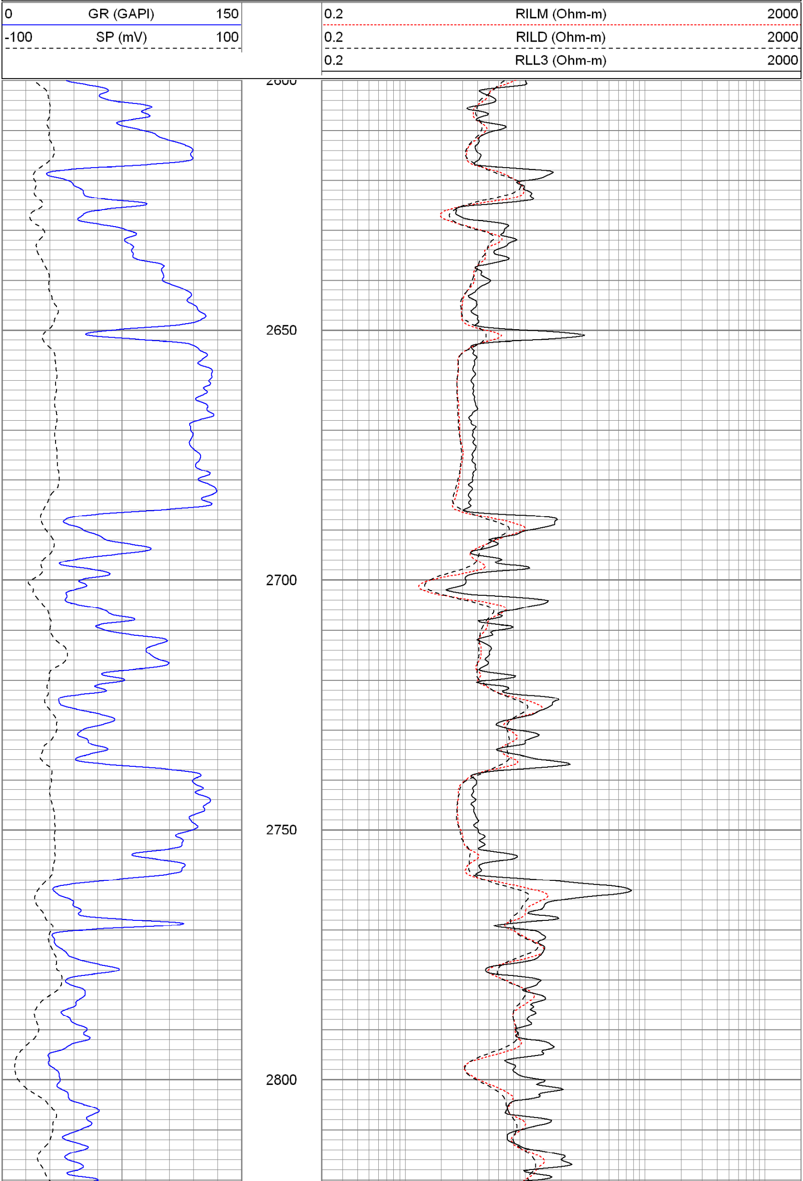
0.2 RILM (Ohm-m) 2000

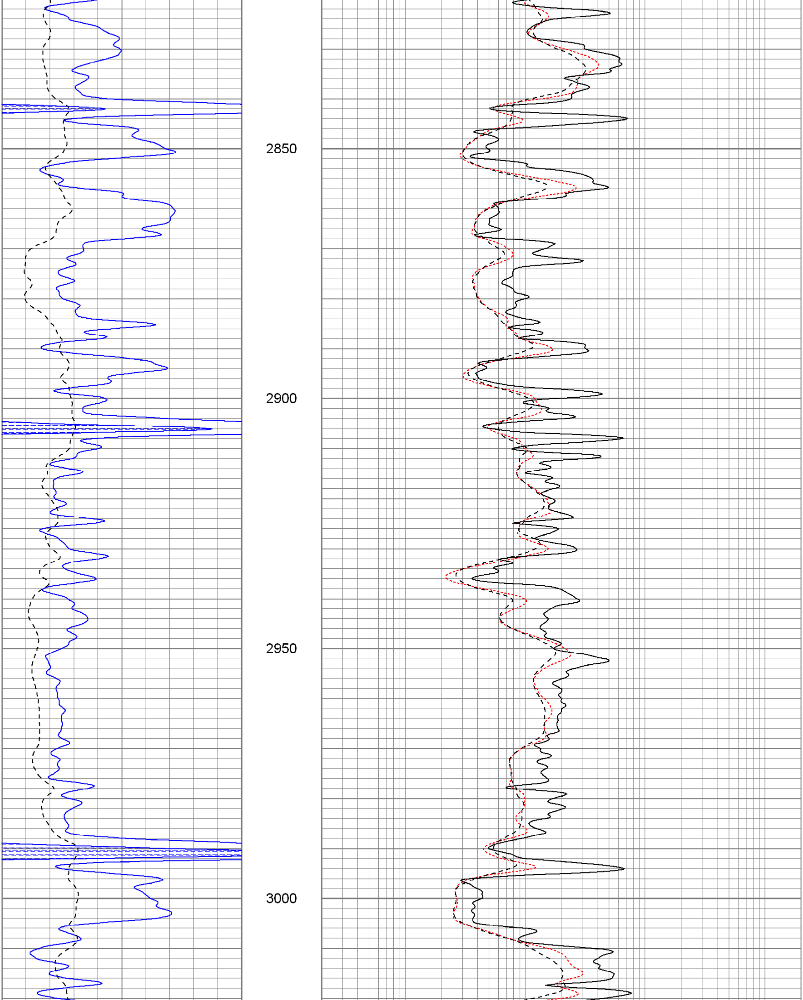
0.2 RILD (Ohm-m) 2000

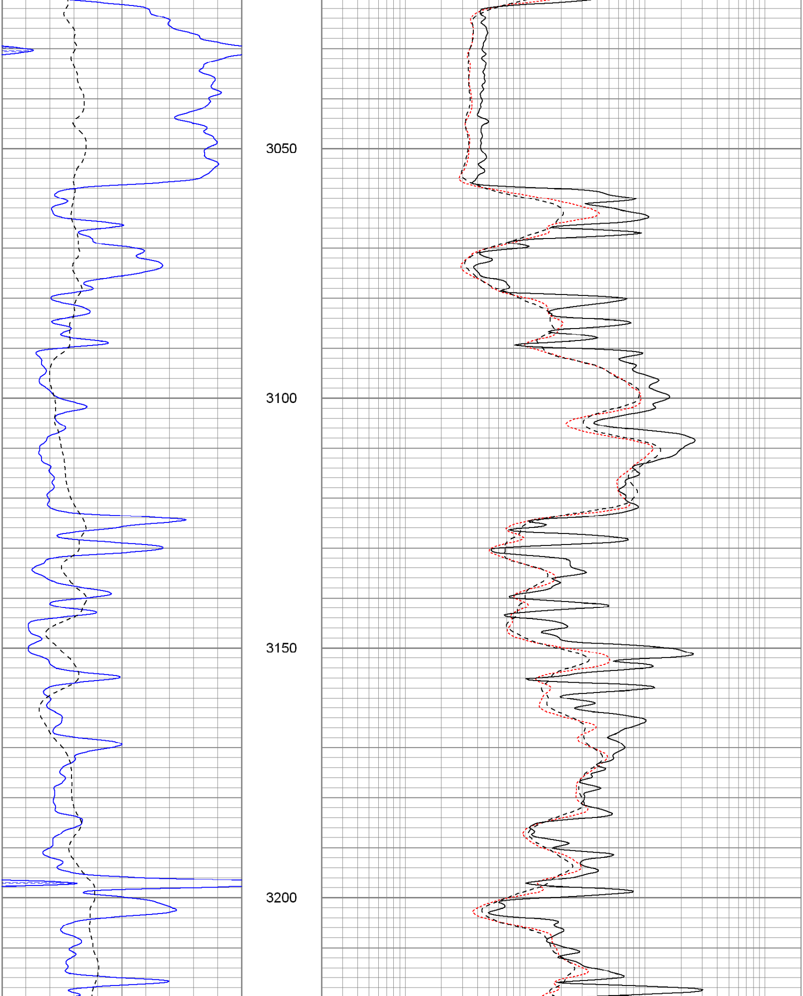
0.2 RLL3 (Ohm-m) 2000

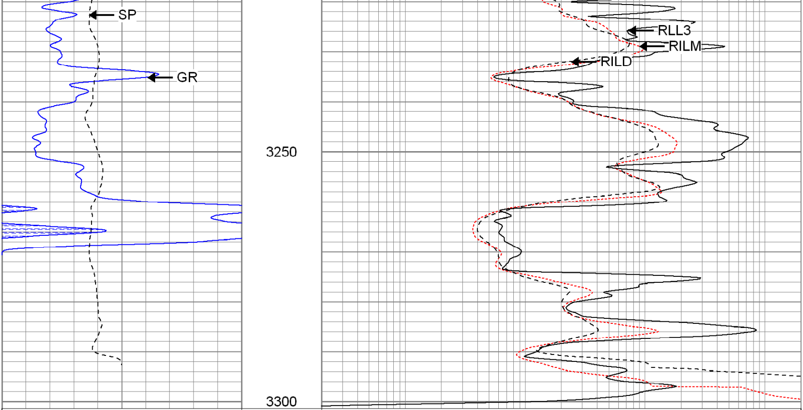
Main Pass

Database File:	alodeines#3oh.db
Dataset Pathname:	pass2
Presentation Format:	kdil
Dataset Creation:	Thu Nov 22 10:25:43 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240









0 GR (GAPI) 150
-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000

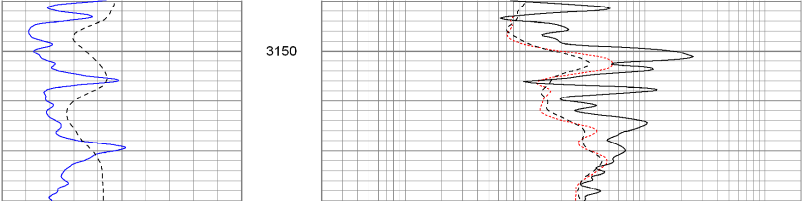
GEMINI WIRELINE

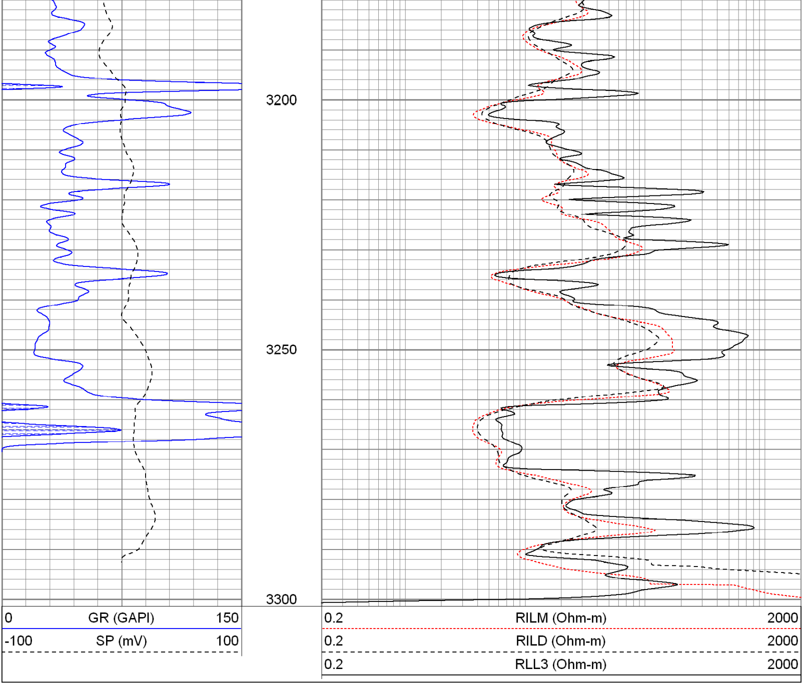
Repeat Pass

Database File: alodeines#3oh.db
Dataset Pathname: pass1
Presentation Format: kdil
Dataset Creation: Thu Nov 22 10:16:37 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0 GR (GAPI) 150
-100 SP (mV) 100

0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000





Calibration Report

Database File: alodeines#3oh.db
Dataset Pathname: pass1
Dataset Creation: Thu Nov 22 10:16:37 2012 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Thu Sep 13 16:02:51 2012
Downhole Cal Performed:	Thu Sep 13 16:03:26 2012
After Survey Verification Performed:	Thu Sep 13 16:03:26 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.002	0.640	V	0.000	350.000	mmho/m	548.531	-1.045
Medium	0.005	0.742	V	0.000	400.000	mmho/m	542.602	-2.696
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.640	V	0.000	350.000	mmho/m	547.641	-0.739
Medium	0.005	0.742	V	0.000	550.000	mmho/m	745.701	-3.500

Downhole Calibration

Internal:	Readings Zero	Readings Cal		References Zero	References Cal		Results m	Results b
Deep	0.094	350.007	mmho/m	-0.305	350.264	mmho/m	1.002	-0.399
Medium	0.252	399.957	mmho/m	-0.149	400.053	mmho/m	1.001	-0.401
Shallow	2.471	0.009	V	500.000	2.000	Ohm-m	202.280	0.097

After Survey Verification

Internal:	Readings Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results b'
Deep	0.000	0.000	mmho/m	0.094	350.007	mmho/m	1.002	-0.399
Medium	0.000	0.000	mmho/m	0.252	399.957	mmho/m	1.001	-0.401
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Compensated Density Calibration Report

Serial-Model:	2388DHT-DHT
Source / Verifier:	/
Master Calibration Performed:	Thu Sep 13 16:04:57 2012
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	717.11	305.57	cps
Aluminum	2.620	g/cc	140.63	205.93	cps

Spine Angle = 76.38

Density/Spine Ratio = 0.519

	Size		Reading
Small Ring	8.30	in	5771.32
Large Ring	14.00	in	10165.20

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Sun Jul 29 21:00:05 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps

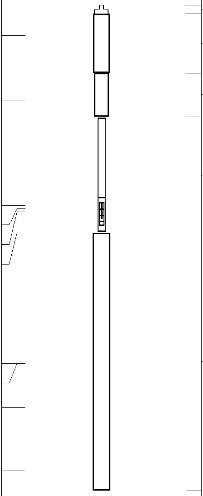
Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Sun Oct 21 17:05:02 2012

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
NEU	37.96		NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
CILD	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: alodeines#3oh.db: field/well/run1/pass1
Total Length: 40.49 ft
Total Weight: 676.00 lb
O.D. 4.00 in