The Perforators LLC

DUAL INDUCTION LOG

Company	American Patriot Oil
Well	Lohrmeyer #1
Field	Wildcat
County	Phillips
State	Kansas

Company American Patriot Oil

Well Lohrmeyer #1

Field Wildcat

County Phillips **State** Kansas

Location: API # : 00 147 20687

915' FSL & 415' FEL

SEC 6 TWP 5S RGE 20W

Other Services

DIL
ML

Permanent Datum	Ground Level	Elevation	1968'
Log Measured From	KB 5' AGL		
Drilling Measured From	KB		

Elevation

K.B. 1973'
D.F. 1972'
G.L. 1968'

Date	9-5-12			
Run Number	One			
Depth Driller	3517'			
Depth Logger	3524'			
Bottom Logged Interval	3522'			
Top Log Interval	2900'			
Casing Driller	8 5/8" @ 262'			
Casing Logger	258'			
Bit Size	7 7/8"			
Type Fluid in Hole	Chemical			
Density / Viscosity	9.2/50			
pH / Fluid Loss	10.5/7.2			
Source of Sample	Pit			
Rm @ Meas. Temp	1.4@82degf			
Rmf @ Meas. Temp	1.12@82degf			
Rmc @ Meas. Temp	1.8@82degf			
Source of Rmf / Rmc	Calculated			
Rm @ BHT	1.03@112degf			
Time Circulation Stopped	1:30 p.m.			
Time Logger on Bottom	3:30 p.m.			
Maximum Recorded Temperature	112degf			
Equipment Number	T045			
Location	Hays, KS			
Recorded By	Gus Pfanenstiel			
Witnessed By	Mr Randy Kilian			

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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

Thanks for using The Perforators LLC
785-621-4604

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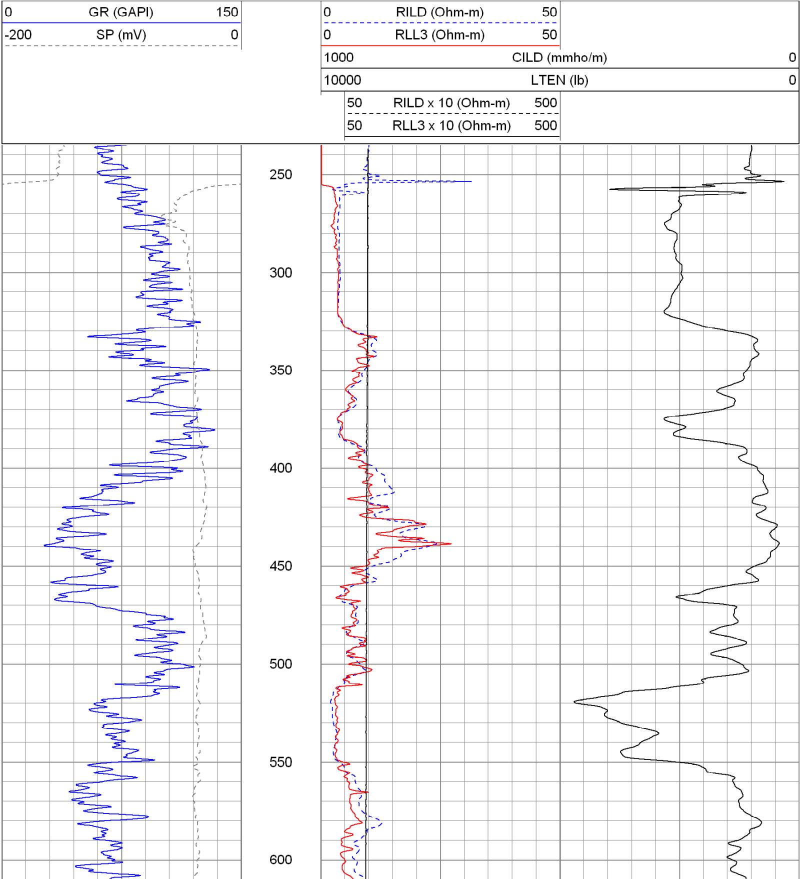
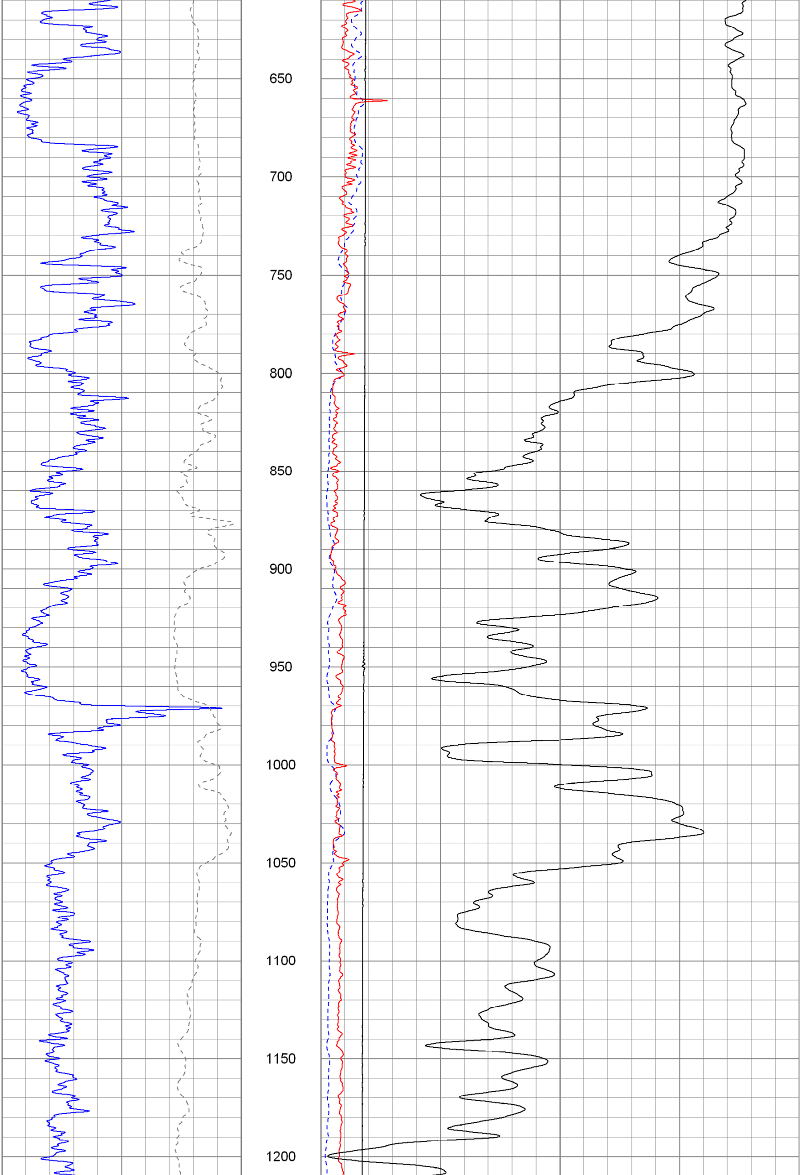
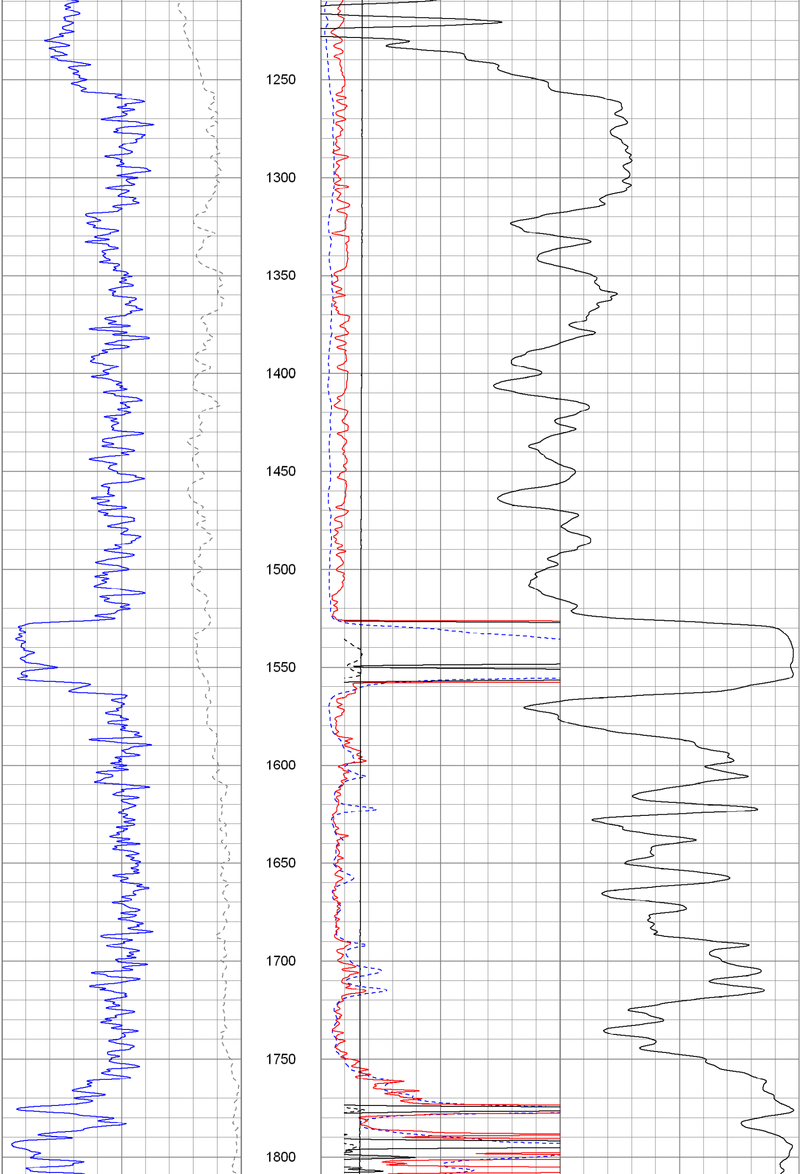
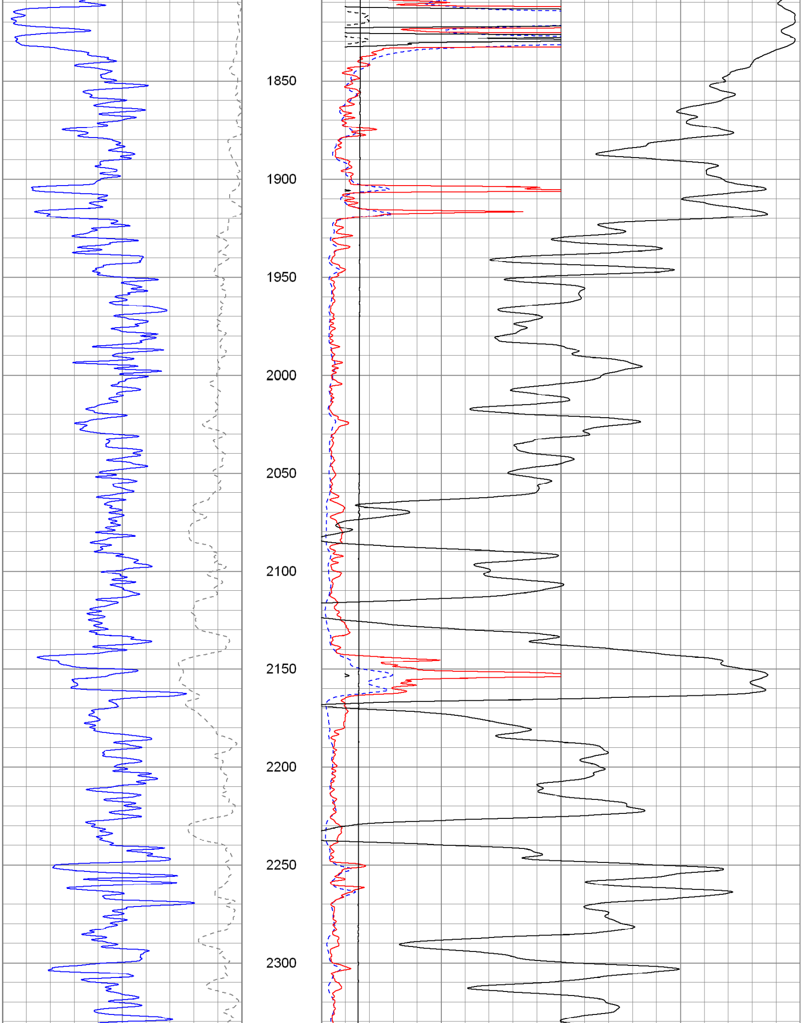
Main Pass

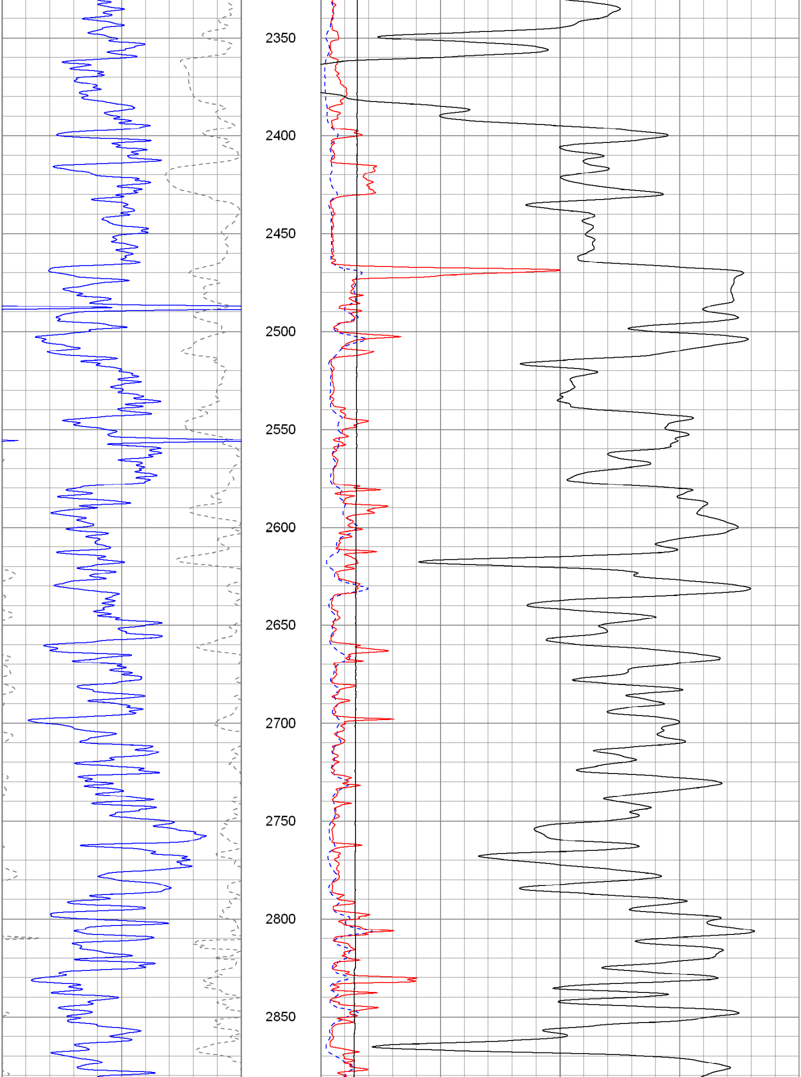
Database File: apolohrmeyer#1oh.db
Dataset Pathname: pass2.1
Presentation Format: kdillin2
Dataset Creation: Wed Sep 05 16:37:06 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

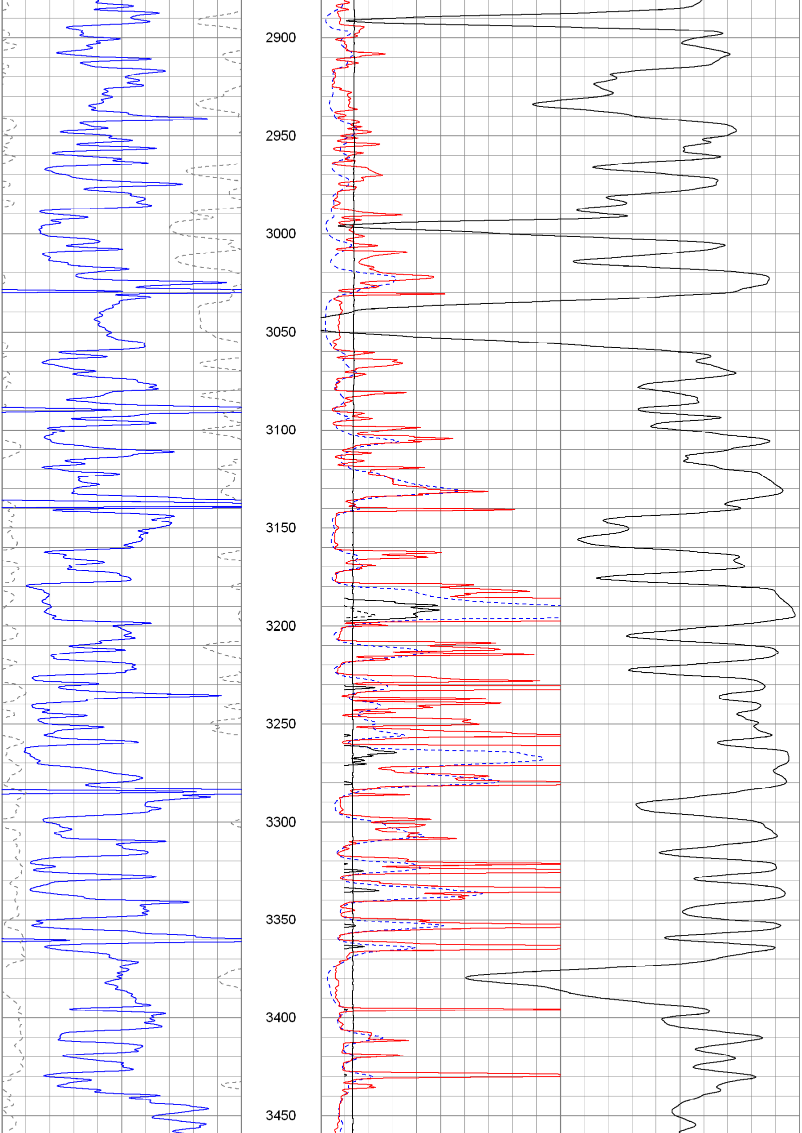


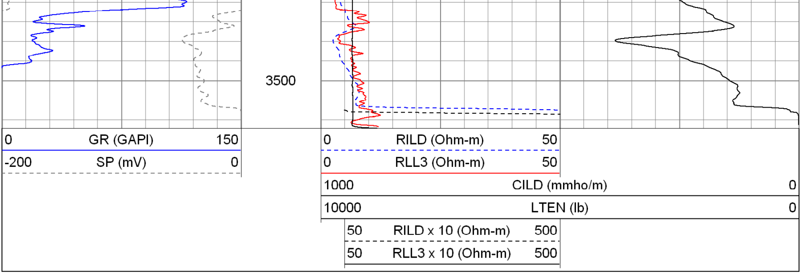












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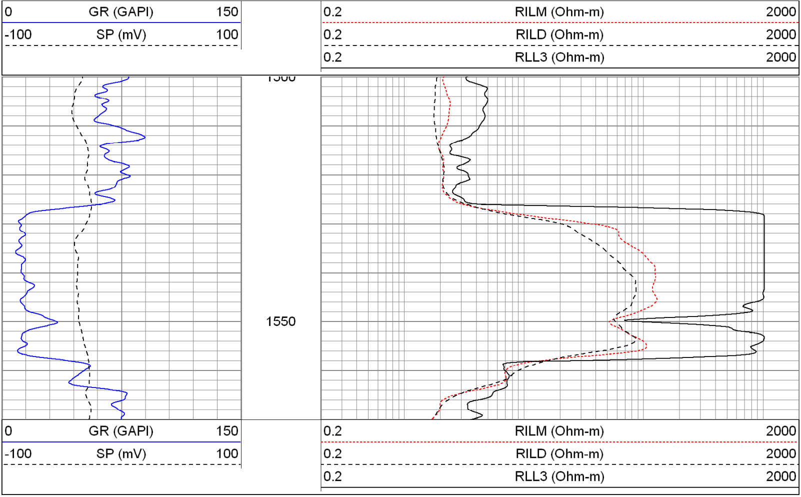
Main Pass

Database File: apolohrmeyer#1oh.db
Dataset Pathname: pass2.1
Presentation Format: kdil
Dataset Creation: Wed Sep 05 16:37:06 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240



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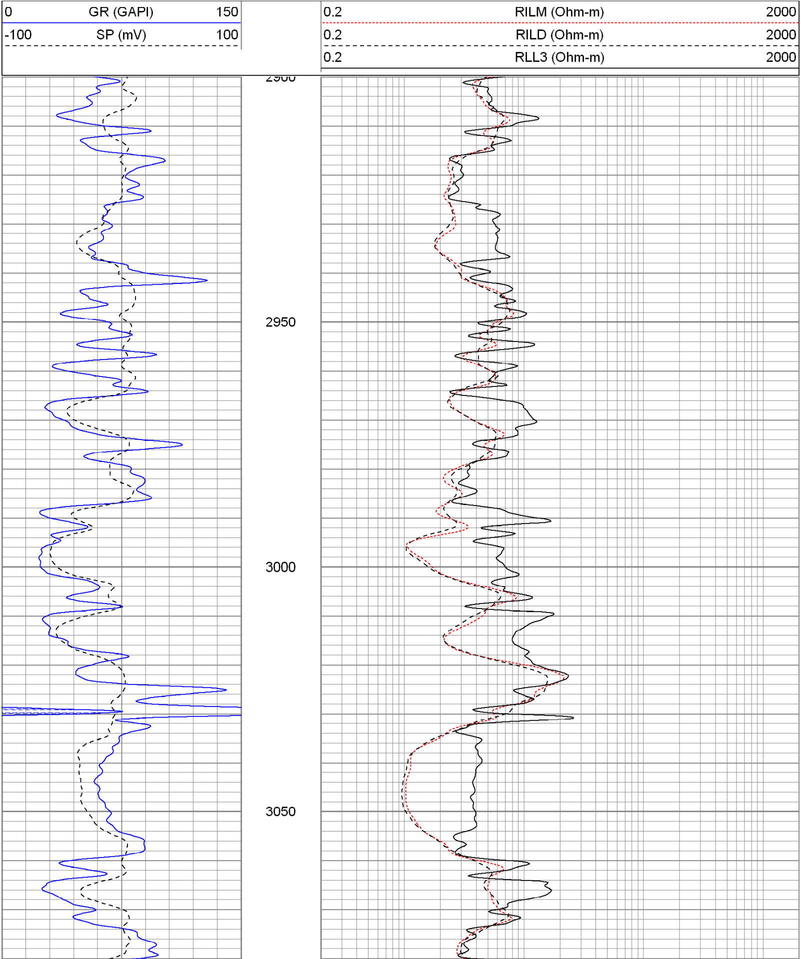
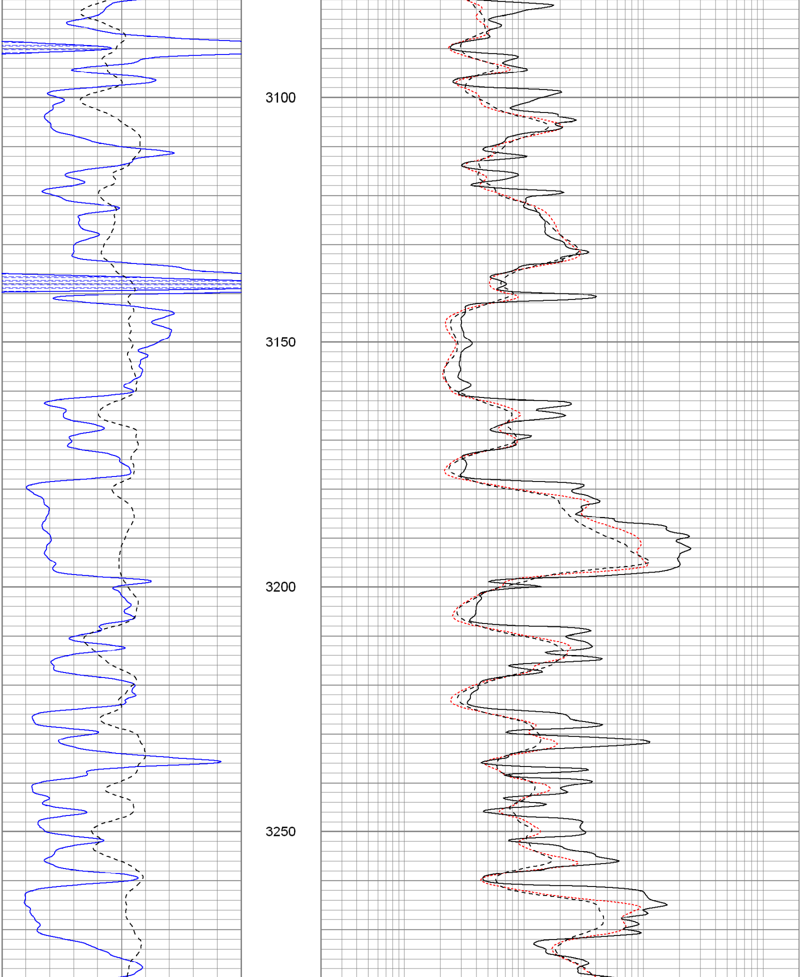
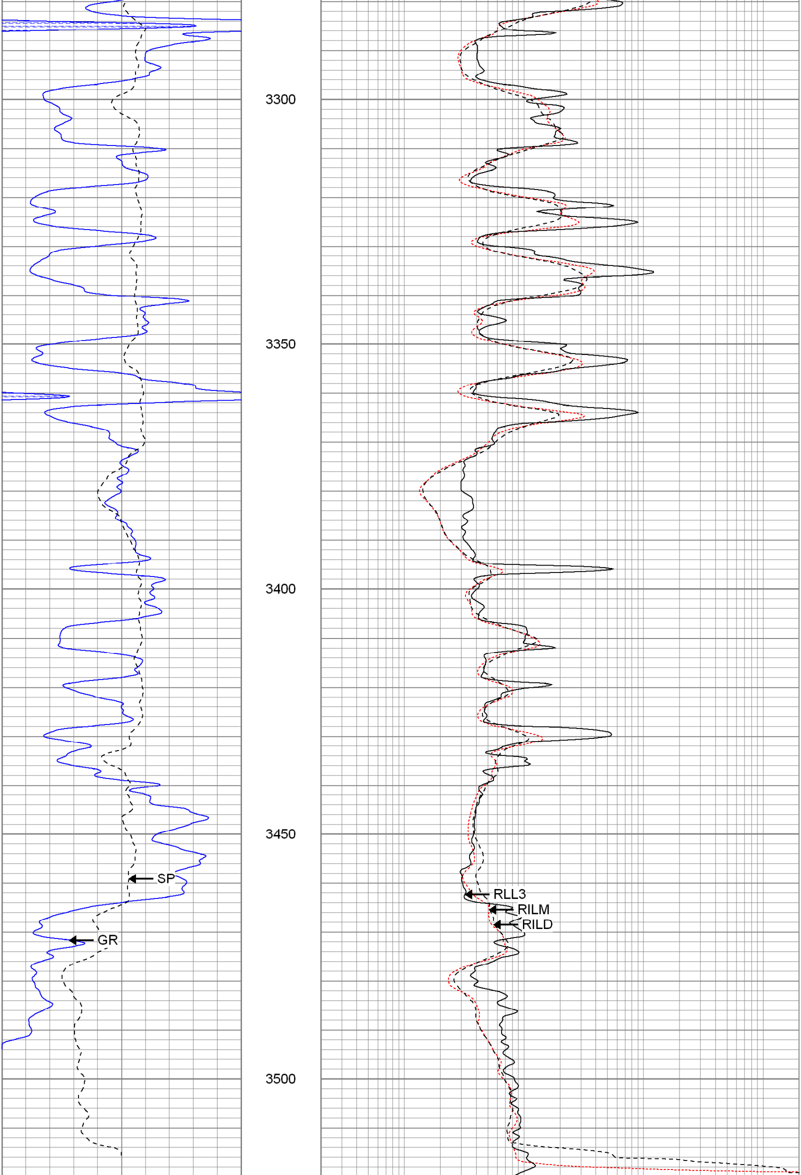
Main Pass

Database File:	apolohrmeyer#1oh.db
Dataset Pathname:	pass2.1
Presentation Format:	kdil
Dataset Creation:	Wed Sep 05 16:37:06 2012 by Calc Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240







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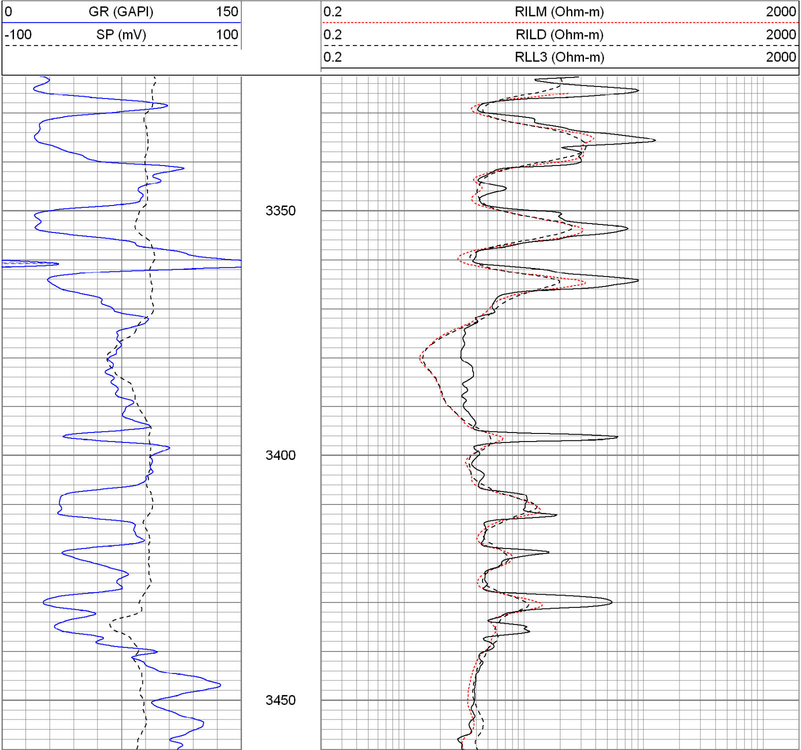
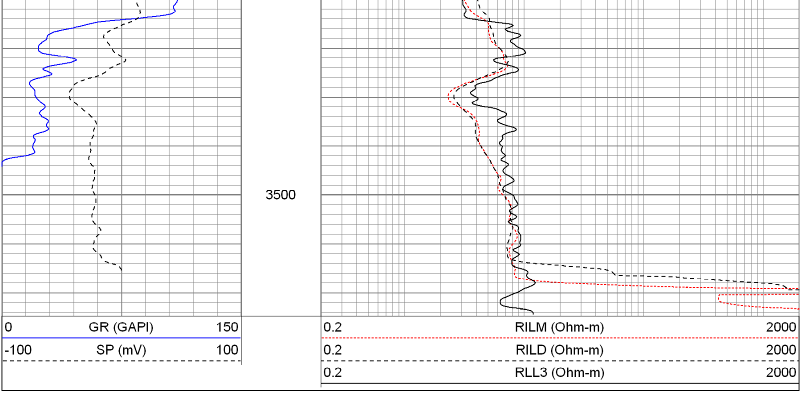
Repeat Pass

Database File:	apolohrmeyer#1oh.db
Dataset Pathname:	pass1.2
Presentation Format:	kdil
Dataset Creation:	Wed Sep 05 17:29:56 2012 by Calc Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240





Calibration Report

Database File: apolohrmeyer#1oh.db
Dataset Pathname: pass1
Dataset Creation: Wed Sep 05 15:32:29 2012 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 080522-Probe
Surface Cal Performed: Tue Aug 28 14:15:03 2012
Downhole Cal Performed: Tue Aug 28 14:15:06 2012
After Survey Verification Performed: Tue Aug 28 14:15:08 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.000	0.639	V	0.000	400.000	mmho/m	626.539	-0.207
Medium	0.001	0.736	V	0.000	464.000	mmho/m	631.594	-0.848
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.639	V	0.000	400.000	mmho/m	626.575	-0.168
Medium	0.001	0.736	V	0.000	464.000	mmho/m	631.625	-0.945

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.306	400.046	mmho/m	-0.038	399.939	mmho/m	1.001	-0.344
Medium	0.355	464.559	mmho/m	0.096	464.073	mmho/m	1.000	-0.258
LL3		7.250	V		750.000	Ohm-m		
		-0.000	V		12.000	Ohm-m		
		-7.360	V		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT
Source / Verifier: /
Master Calibration Performed: Wed Sep 05 08:08:00 2012

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	684.02	246.22	cps
Aluminum	2.680	g/cc	128.17	163.12	cps

Spine Angle = 76.19   Density/Spine Ratio = 0.539

	Size		Reading
Small Ring	7.65	in	6273.19
Large Ring	14.00	in	10676.90

Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Wed Aug 29 08:26:23 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2300 GAPI/cps

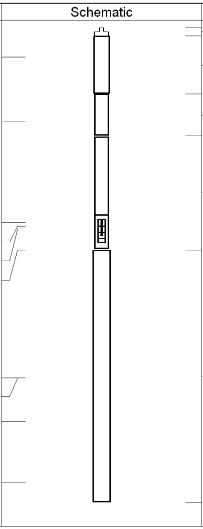
Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Mon Sep 03 08:08:04 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	37.85		NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00
			CDL-DHT (2501DHT) 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-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: apolohrmeyer#1oh.db: field/well/run1/pass1
Total Length: 40.39 ft
Total Weight: 676.00 lb
O.D. 4.00 in