The Perforators LLC

DUAL INDUCTION LOG

Company	Jason Oil Company
Well	Weber #1
Field	Unamed
County	Russell
State	Kansas

Company Jason Oil Company
Well Weber #1
Field Unamed
County Russell State Kansas

Location: API # : 15 167 23781

1629' FNL & 847' FWL

SEC 13 TWP 15S RGE 12W

Permanent Datum	Ground Level	Elevation	1860'
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		

Other Services
CDNL
ML

Elevation
K.B. 1868'
D.F. 1867'
G.L. 1860'

Date	3-20-12		
Run Number	One		
Depth Driller	3385'		
Depth Logger	3385'		
Bottom Logged Interval	3383'		
Top Log Interval	450'		
Casing Driller	517'		
Casing Logger	517'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/47		
pH / Fluid Loss	9.0/10.4		
Source of Sample	Pit		
Rm @ Meas. Temp	.7@74deg		
Rmf @ Meas. Temp	.56@74deg		
Rmc @ Meas. Temp	.9@74deg		
Source of Rmf / Rmc	Measured		
Rm @ BHT	.47@111deg		
Time Circulation Stopped	4:15 p.m.		
Time Logger on Bottom	5:30 p.m.		
Maximum Recorded Temperature	111degf		
Equipment Number	T045		
Location	Hays		
Recorded By	L. Smith		
Witnessed By	Mr. Jeff Lawler	Mr. Jim Schoenberger	

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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

Bunker Hill S to stop sign, E to 199th, S4, W1, NE into.

Thank you for using The Perforators LLC
Hays, KS 785-621-4604

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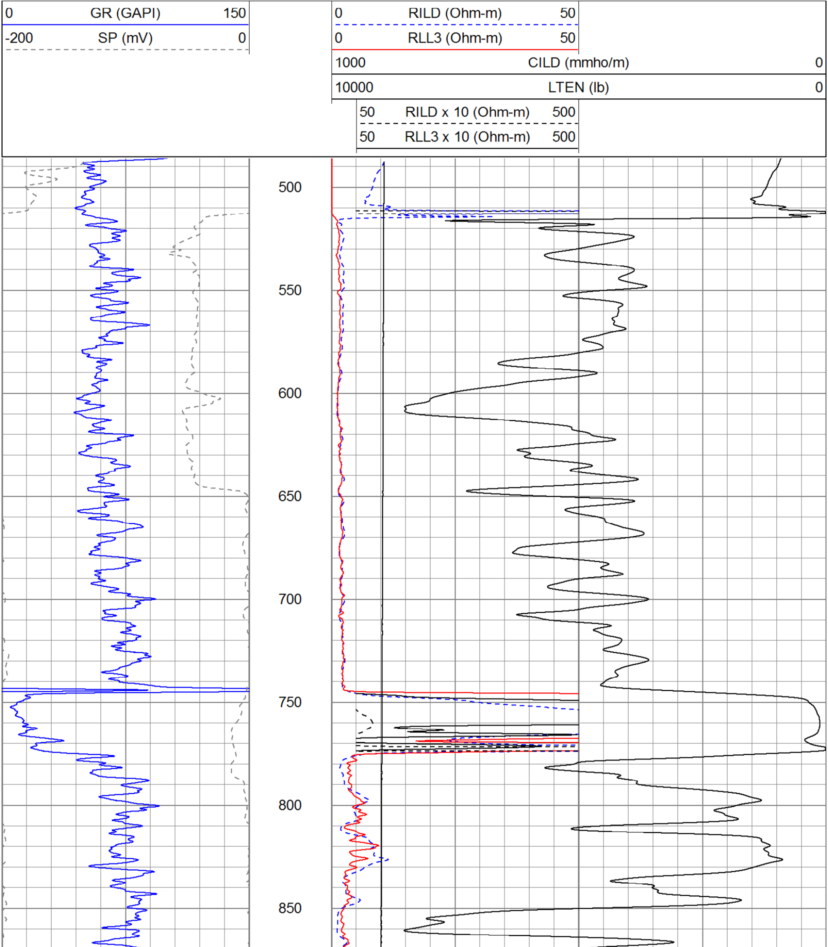
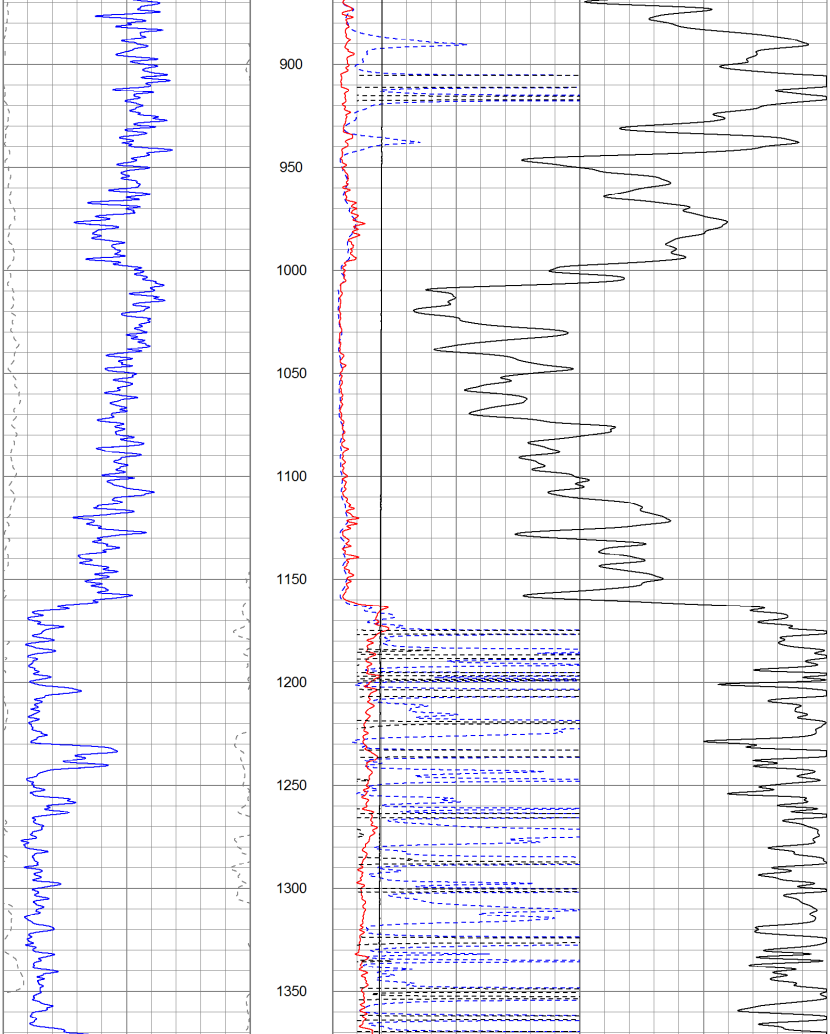
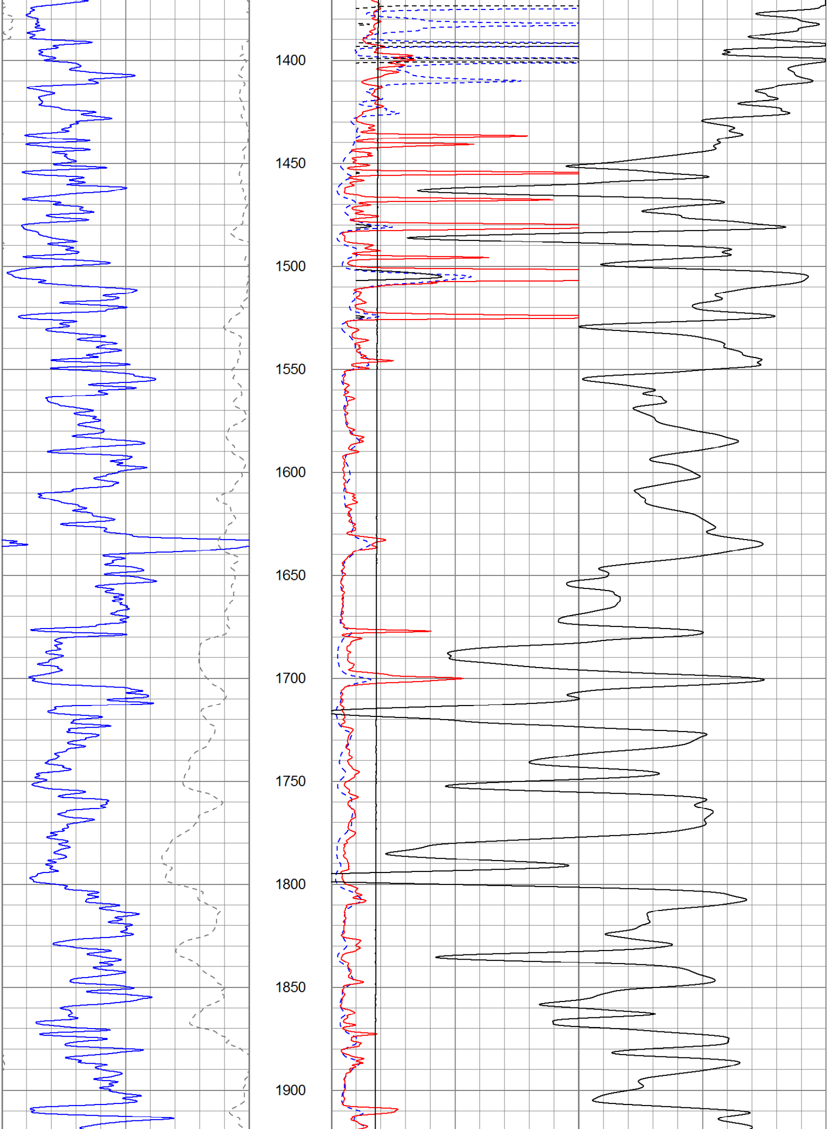
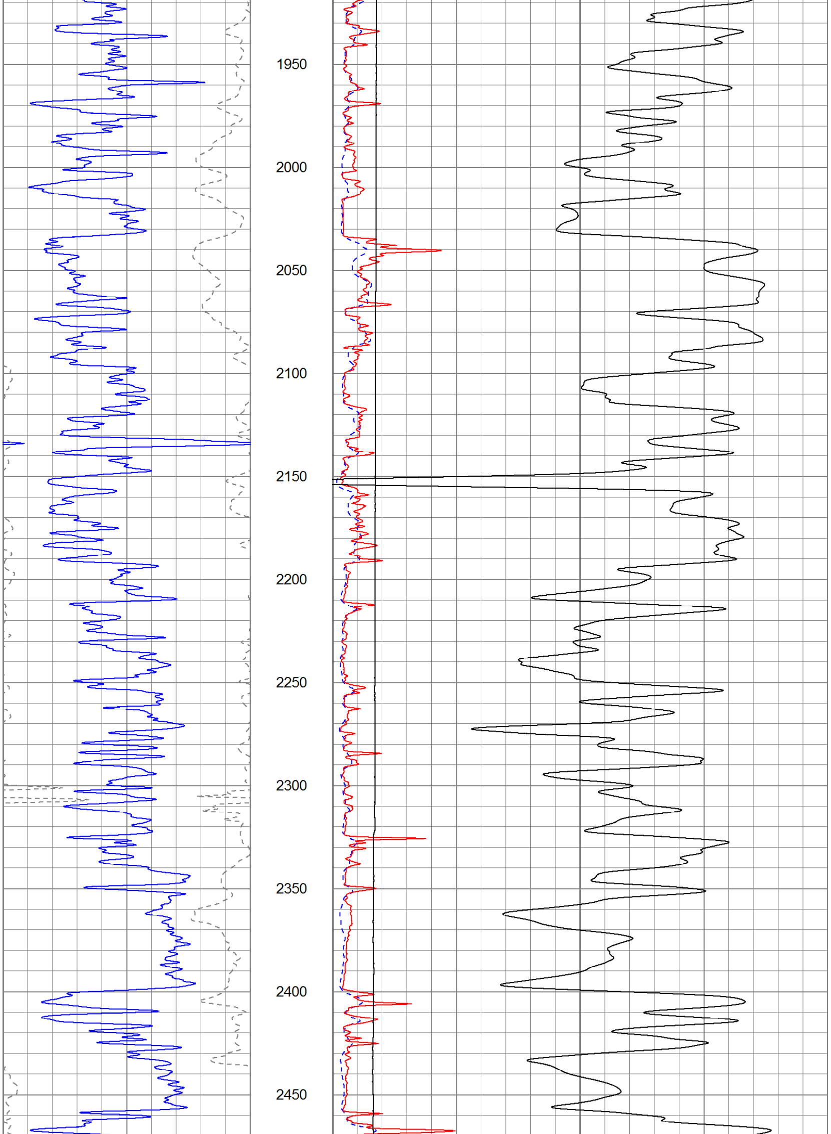
Main Pass

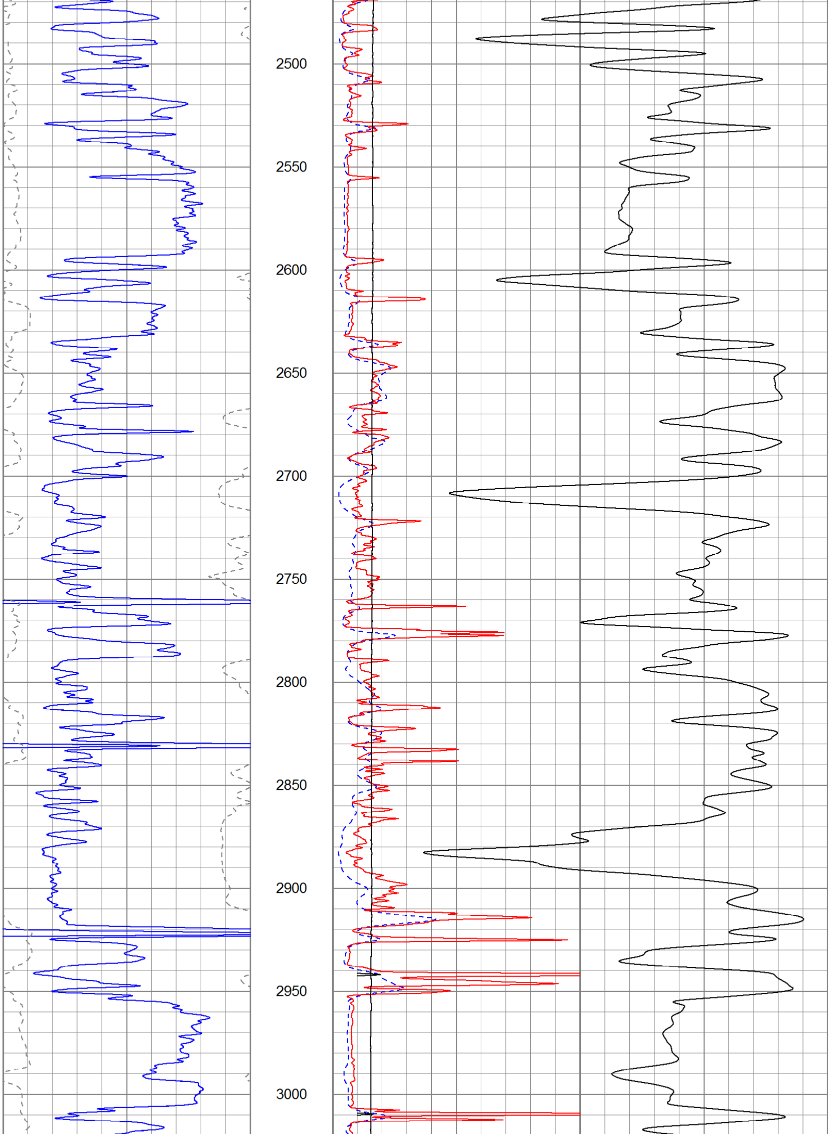
Database File: joweber#1oh.db
Dataset Pathname: pass2.1
Presentation Format: kdillin2
Dataset Creation: Tue Mar 20 21:59:58 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

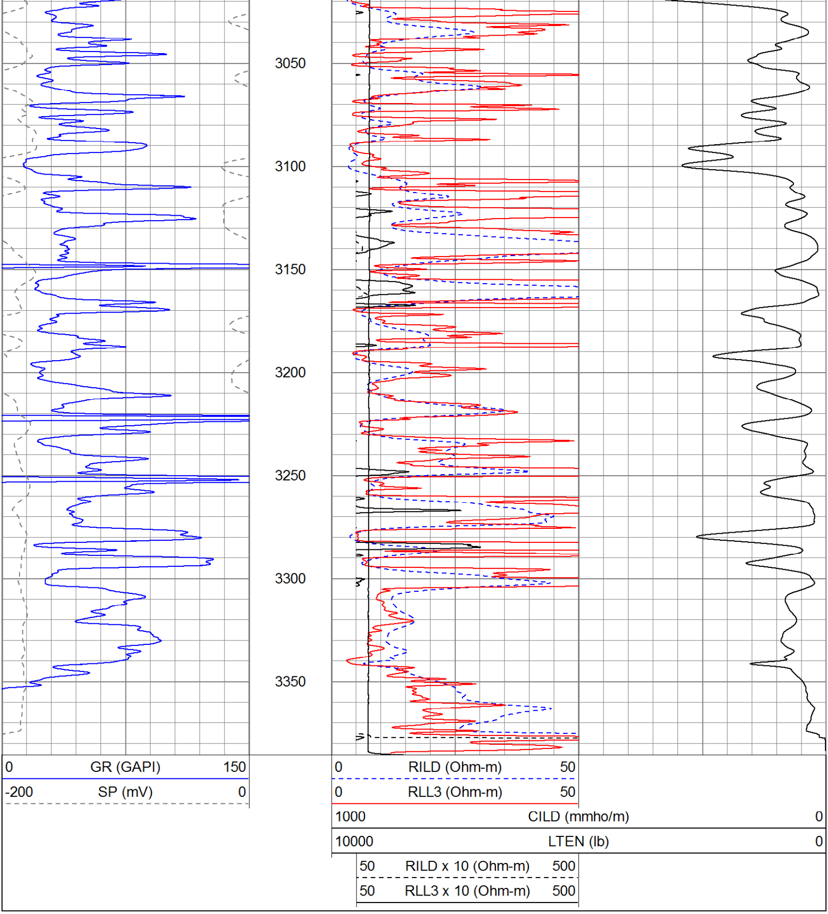












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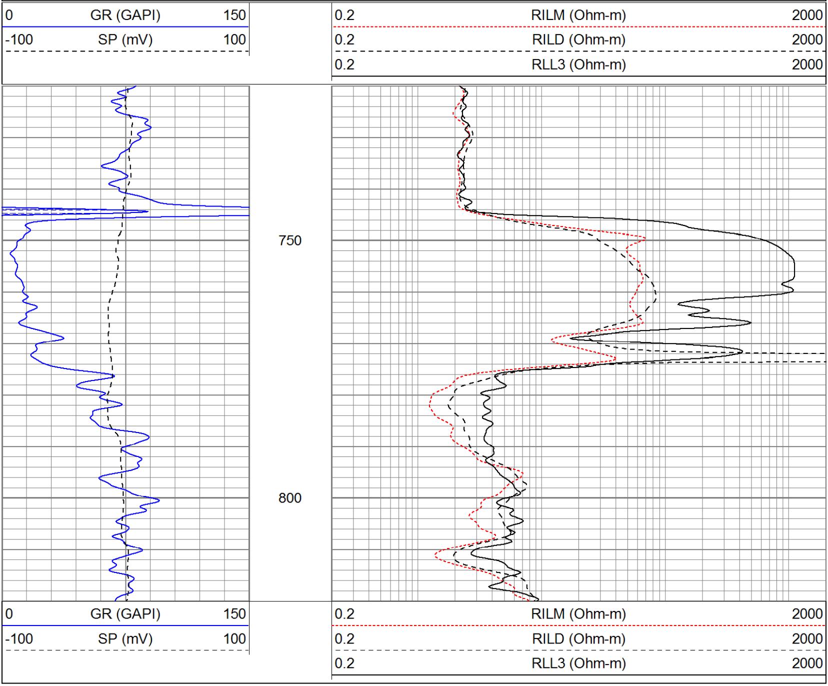
Main Pass

Database File: joweber#1oh.db
Dataset Pathname: pass2.1
Presentation Format: kdil
Dataset Creation: Tue Mar 20 21:59:58 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240



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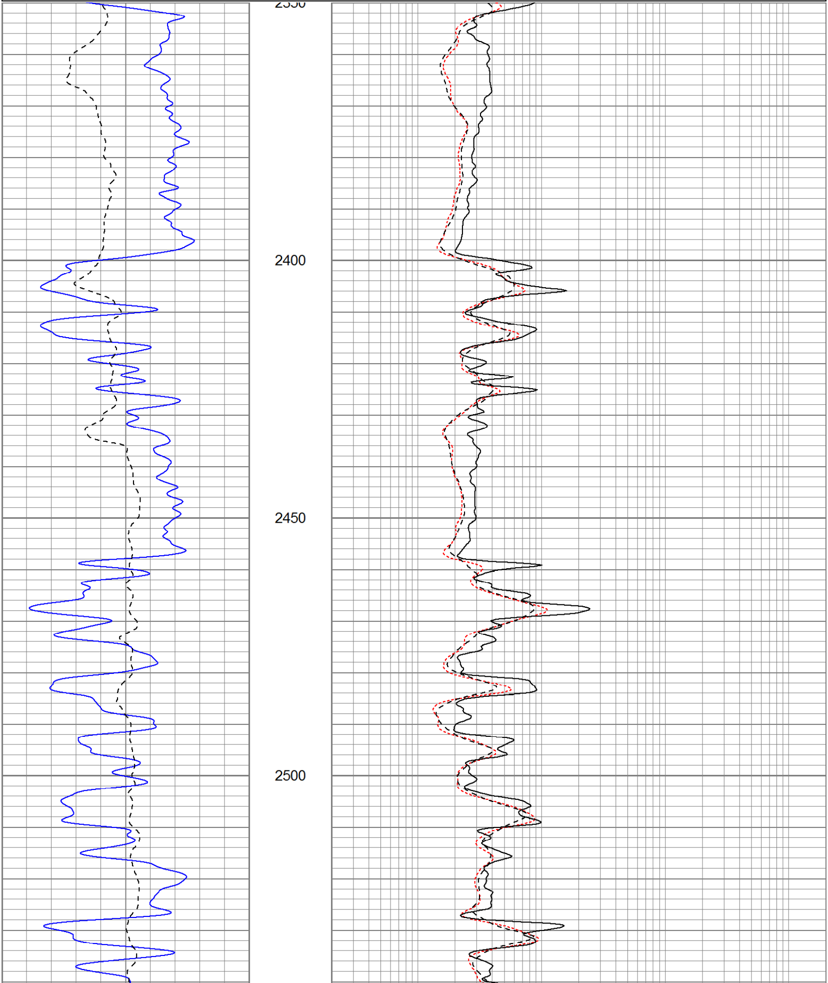
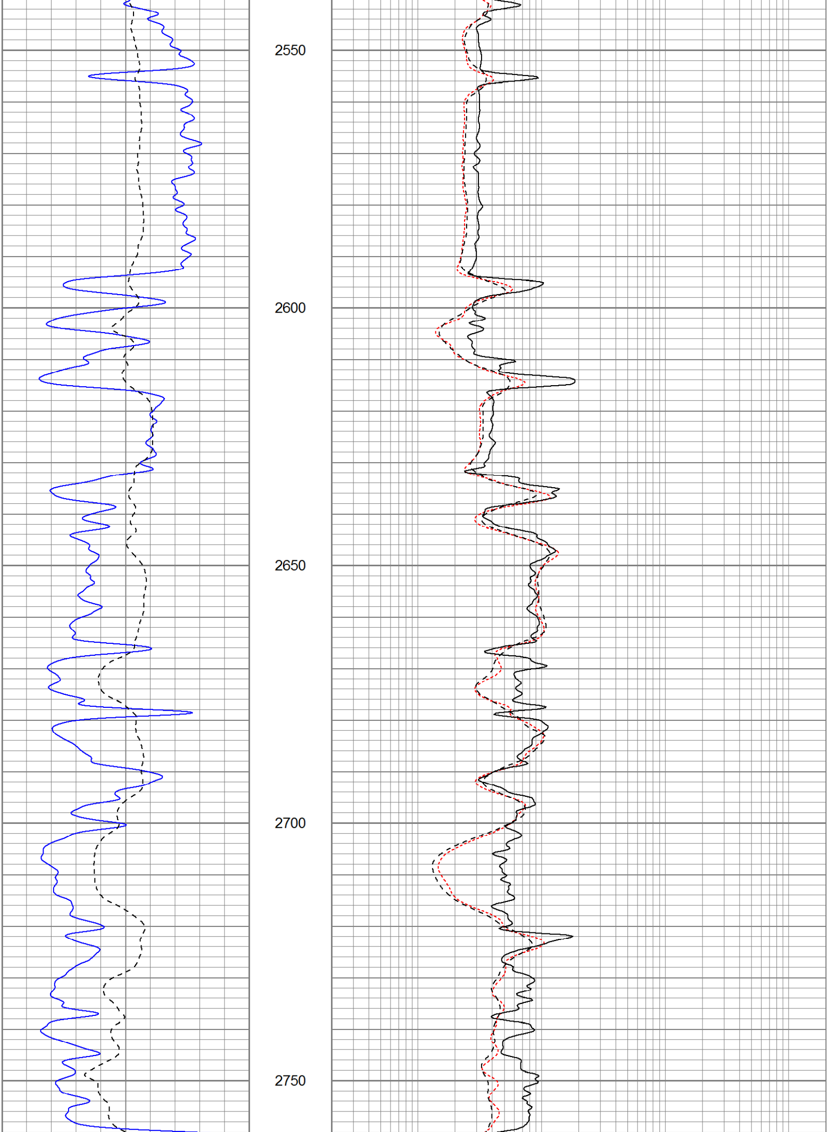
Main Pass

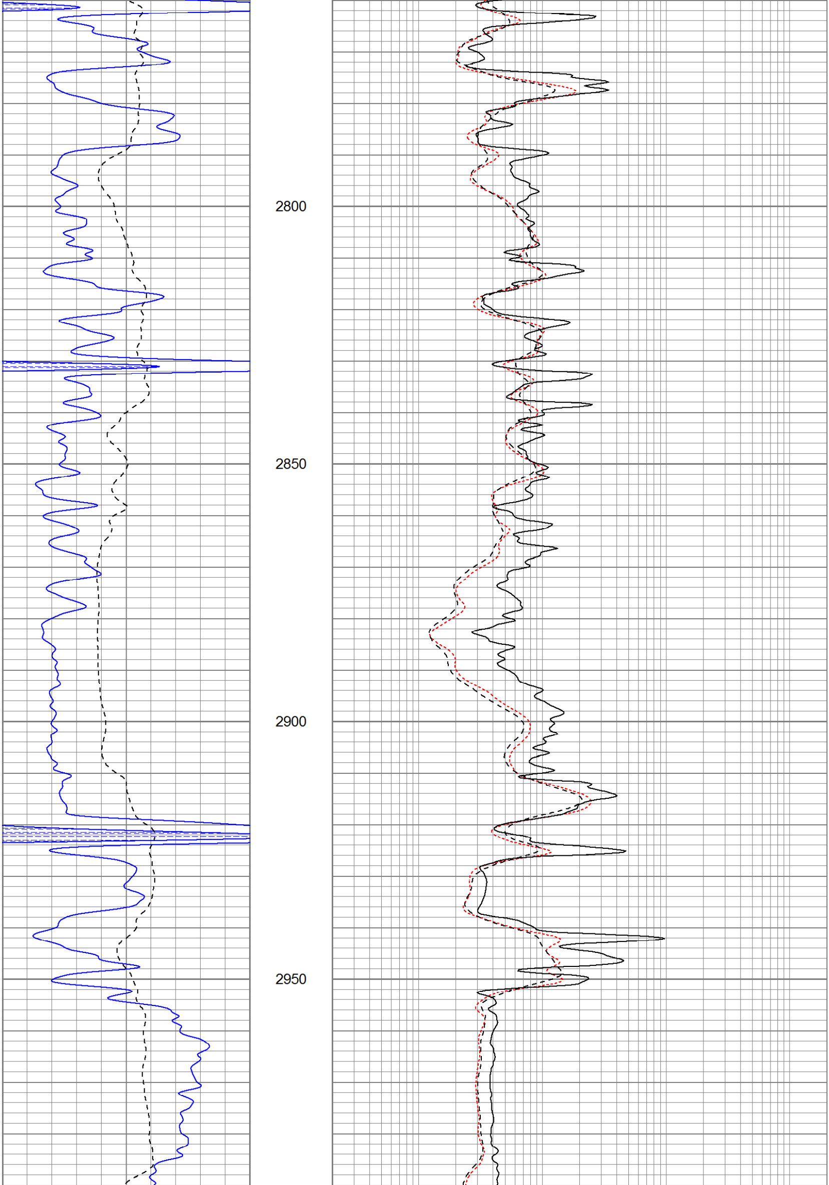
Database File:	joweber#1oh.db
Dataset Pathname:	pass2.1
Presentation Format:	kdil
Dataset Creation:	Tue Mar 20 21:59:58 2012 by Calc Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

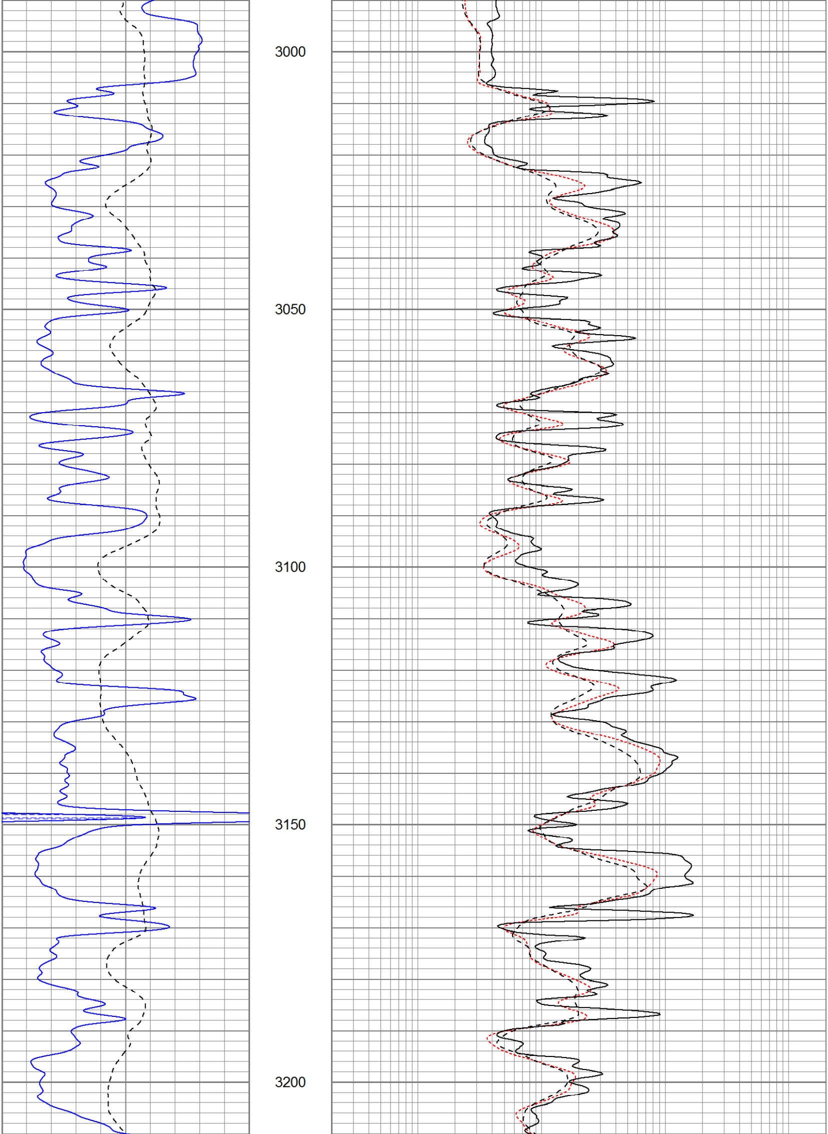
0 GR (GAPI) 150
-100 SP (mV) 100

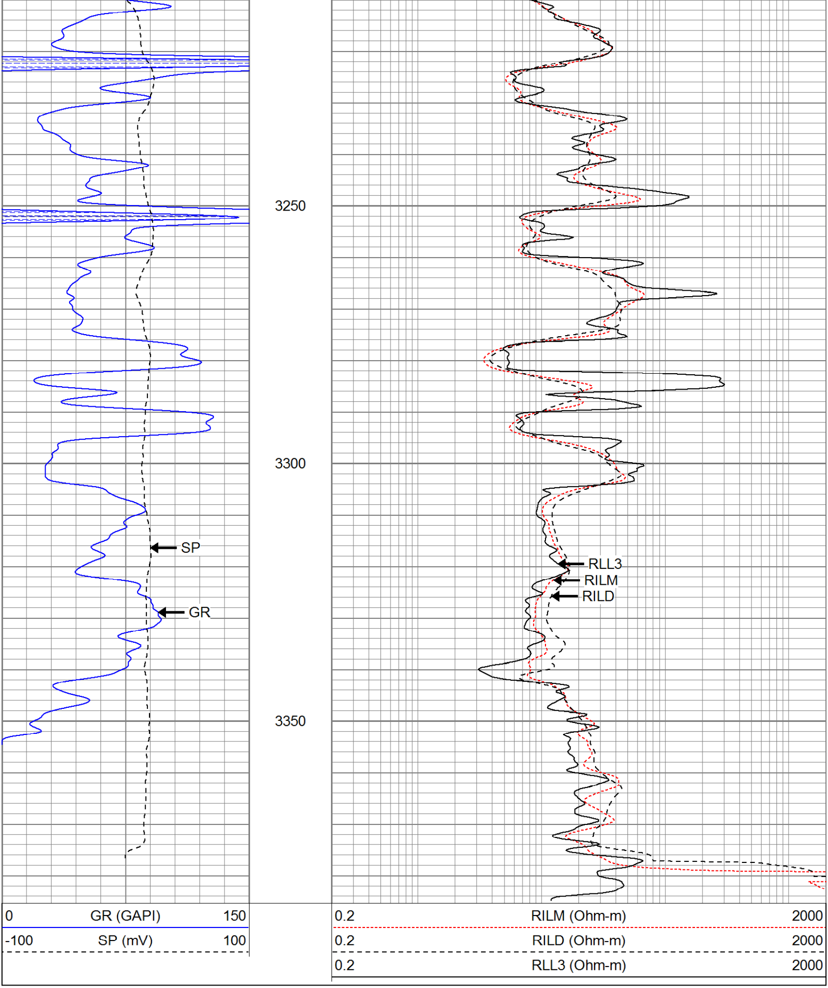
0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000











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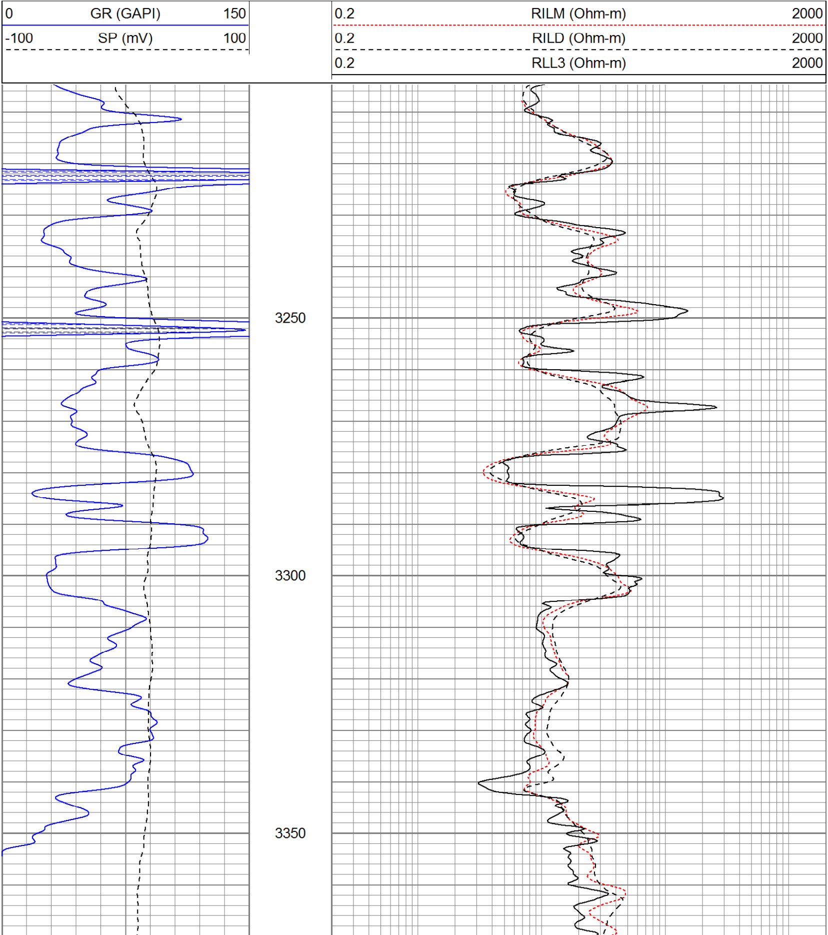
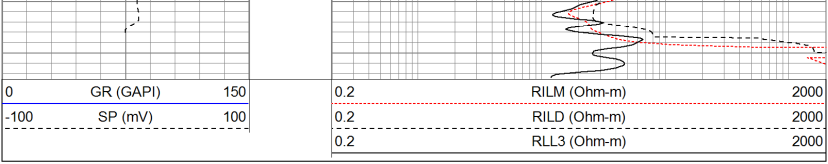
Repeat Pass

Database File: joweber#1oh.db
Dataset Pathname: pass1.1
Presentation Format: kdil
Dataset Creation: Tue Mar 20 20:49:05 2012 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File:	joweber#1oh.db
Dataset Pathname:	pass1.1
Dataset Creation:	Tue Mar 20 20:49:05 2012 by Calc Open-Cased 100827

Dual Induction Calibration Report

Serial-Model:	080522-Probe
Surface Cal Performed:	Wed Feb 22 16:59:31 2012
Downhole Cal Performed:	Wed Feb 22 16:59:34 2012
After Survey Verification Performed:	Wed Feb 22 16:59:36 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.639	V	0.000	400.000	mmho/m	627.163	-0.574
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.206	-1.062
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.638	V	0.000	400.000	mmho/m	628.131	-0.717
Medium	0.002	0.738	V	0.000	464.000	mmho/m	630.237	-1.192

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.283	399.724	mmho/m	0.142	399.525	mmho/m	1.000	-0.142
Medium	0.315	464.258	mmho/m	0.131	464.108	mmho/m	1.000	-0.185
LL3		7.287	V		750.000	Ohm-m		
		-0.000	V		12.000	Ohm-m		
		-7.425	V		3745.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.283	399.724	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.315	464.258	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		750.000	Ohm-m		
		0.000	Ohm-m		12.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model:	2501DHT-DHT
Source / Verifier:	/
Master Calibration Performed:	Fri Feb 17 05:00:07 2012
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	744.27	293.58	cps
Aluminum	2.680	g/cc	138.48	189.15	cps

Spine Angle = 75.35

Density/Spine Ratio = 0.535

	Size		Reading
Small Ring	7.70	in	6064.22
Large Ring	14.00	in	10296.80

Before Survey Verification

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

After Survey Verification

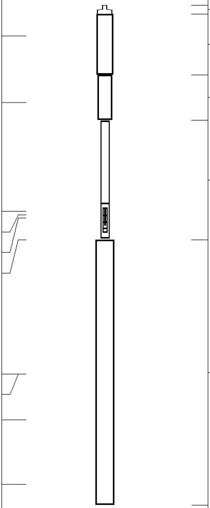
Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Fri Mar 16 04:44:31 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Thu Feb 16 13:26:52 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 (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: joweber#1oh.db: field/well/run1/pass1.1
Total Length: 40.49 ft
Total Weight: 676.00 lb
O.D. 4.00 in