The Perforators LLC

DUAL INDUCTION LOG

Company	Jason Oil Company
Well	J. Schwein #1
Field	Trapp
County	Russell
State	Kansas

Company	Jason Oil Company		
Well	J. Schwein #1		
Field	Trapp		
County	Russell	State	Kansas

Location: API # : 15 167 23804

1980' FSL & 1980' FWL

SEC 25 TWP 15S RGE 14W

Other Services
CDNL
ML

Permanent Datum	Ground Level	Elevation	1863'
Log Measured From	KB 8' AGL		
Drilling Measured From	KB		

Elevation
K.B. 1871'
D.F. 1870'
G.L. 1863'

Date	5-24-12		
Run Number	One		
Depth Driller	3400'		
Depth Logger	3398'		
Bottom Logged Interval	3396'		
Top Log Interval	450'		
Casing Driller	468'		
Casing Logger	468'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/47		
pH / Fluid Loss	9.0/9.6		
Source of Sample	Pit		
Rm @ Meas. Temp	1.65@80degf		
Rmf @ Meas. Temp	1.24@80degf		
Rmc @ Meas. Temp	1.99@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.19@111degf		
Time Circulation Stopped	5:00 a.m,		
Time Logger on Bottom	6:20 a.m.		
Maximum Recorded Temperature	111degf		
Equipment Number	T045		
Location	Hays		
Recorded By	L. Smith		
Witnessed By	Mr. Herb Deines	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

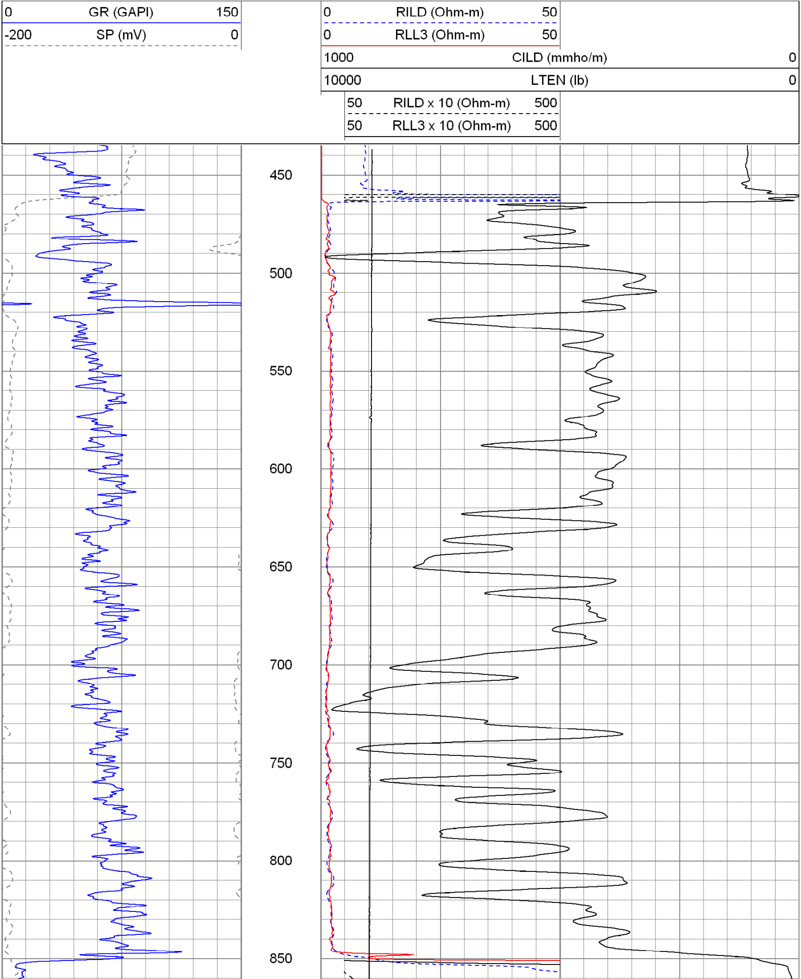
S of Russell on 281 to Millburger sign, 1 1/4 E, N into.

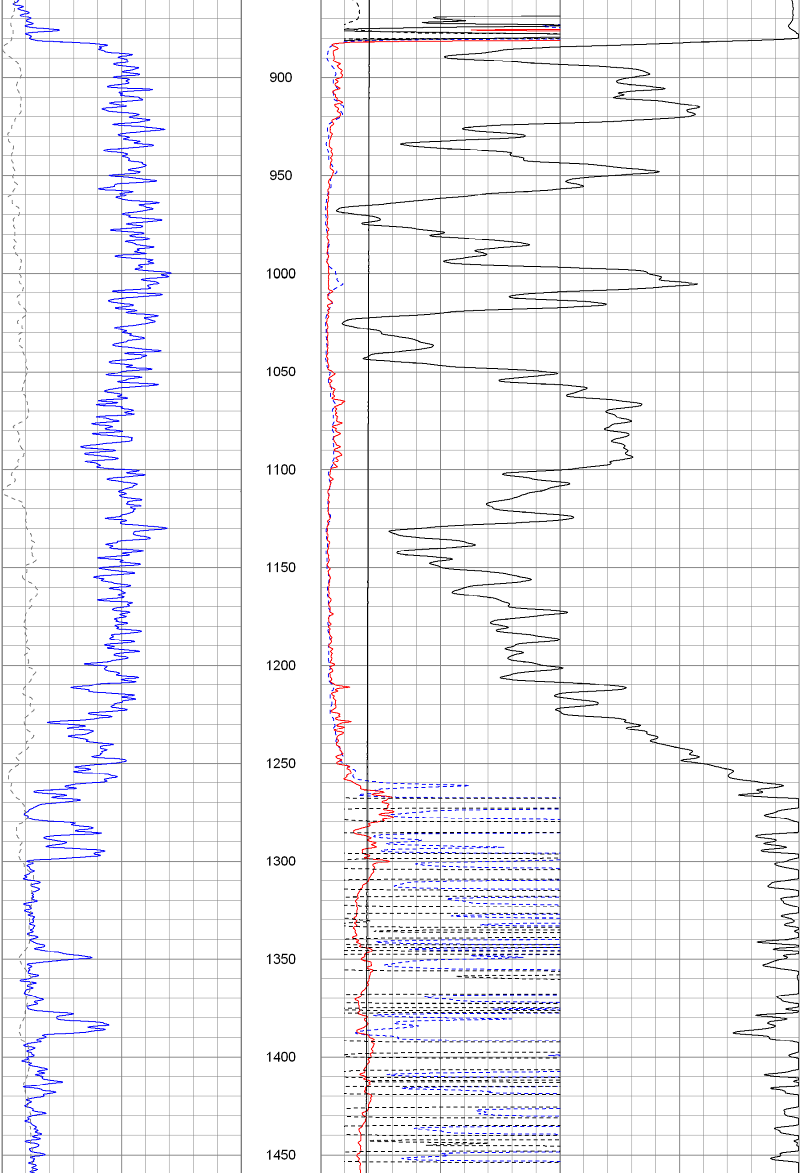
Thank you for using The Perforators LLC
Hays, KS 785-621-4604

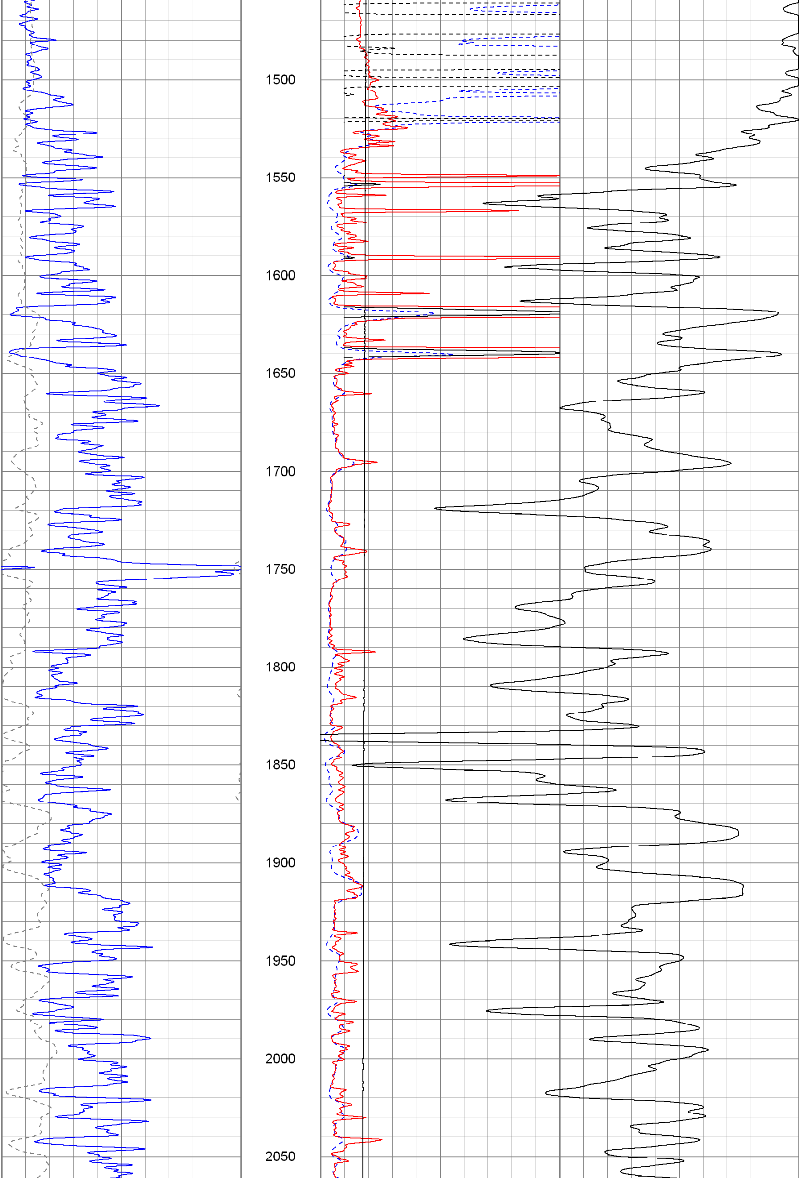
The Perforators LLC

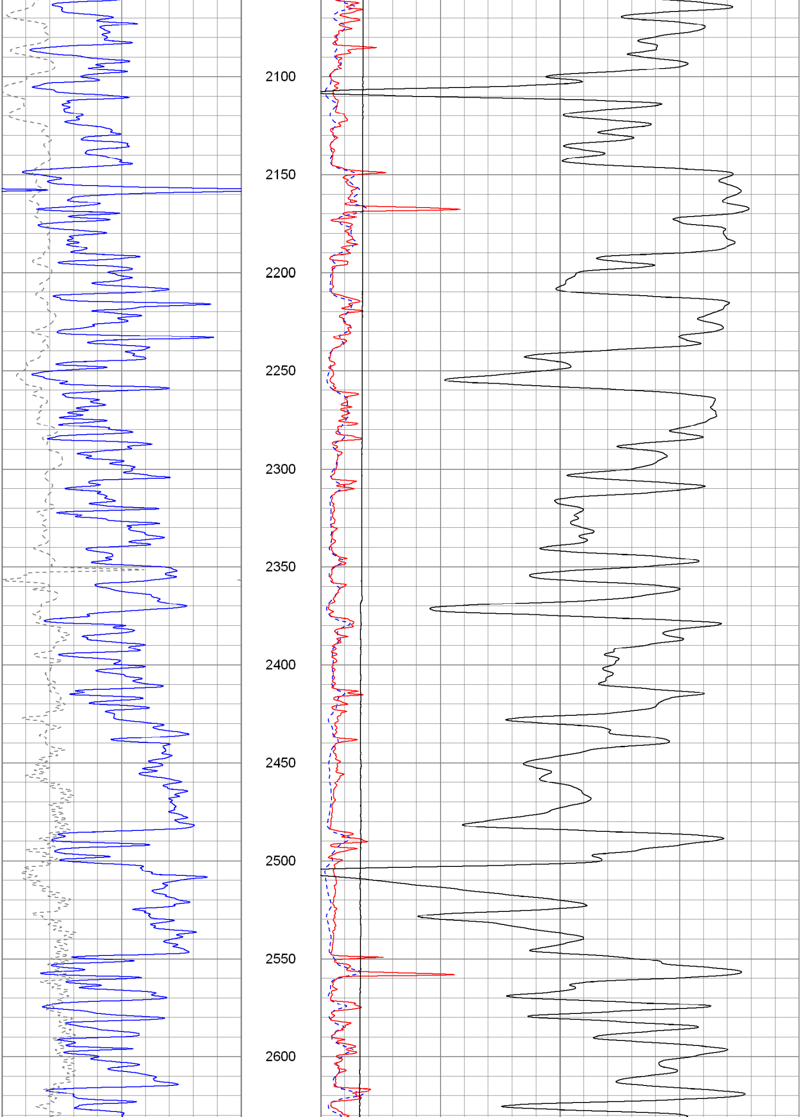
Main Pass

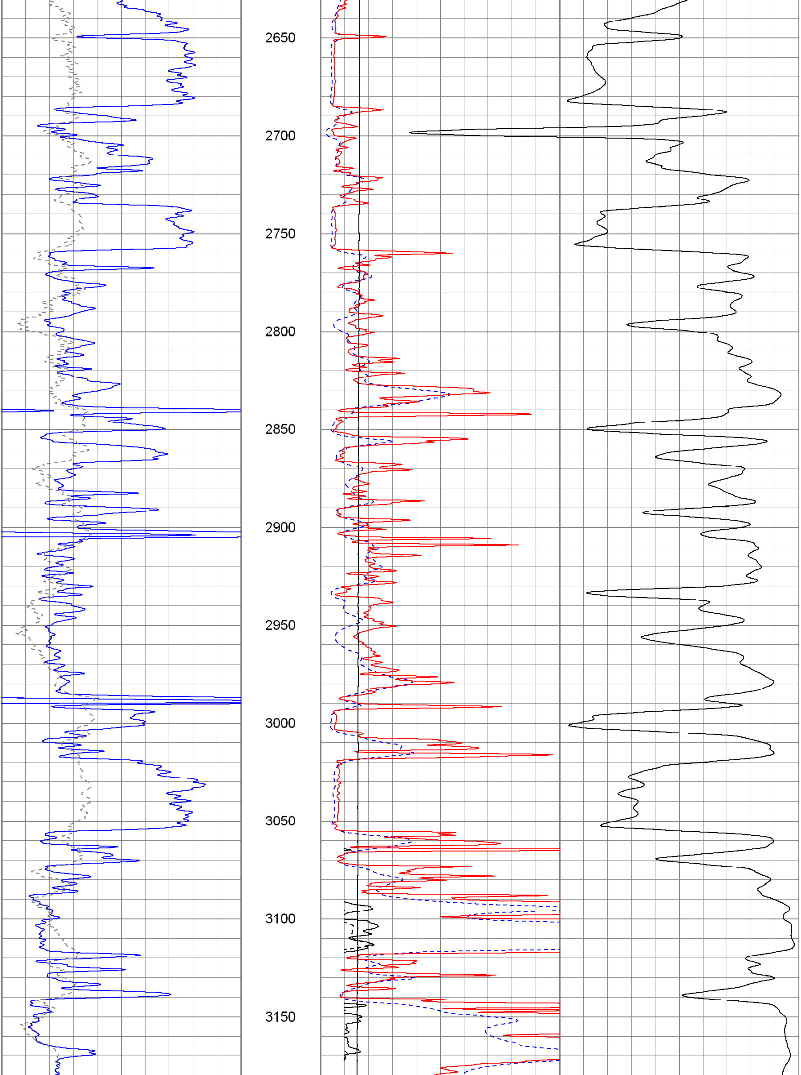
Database File:	jojschwein#1oh.db
Dataset Pathname:	pass2
Presentation Format:	kdillin2
Dataset Creation:	Thu May 24 06:28:11 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:600

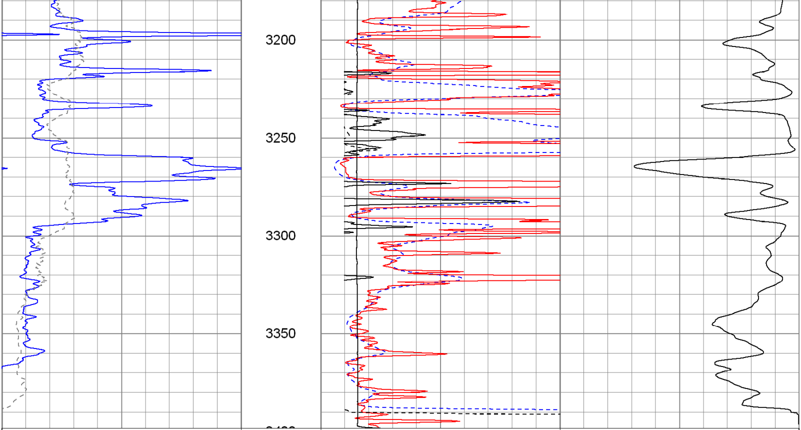












0 GR (GAPI) 150
-200 SP (mV) 0

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

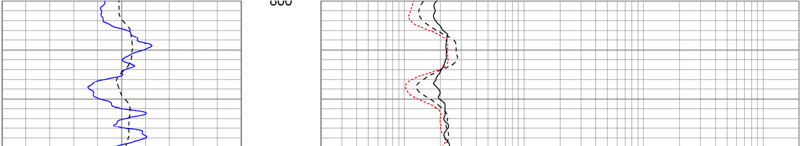
The Perforators LLC

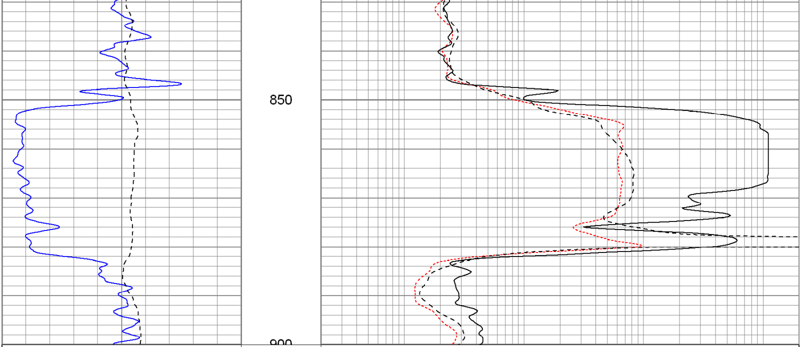
Main Pass

Database File: jojschwein#1oh.db
Dataset Pathname: pass2
Presentation Format: kdil
Dataset Creation: Thu May 24 06:28:11 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

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0.2 RILD (Ohm-m) 2000
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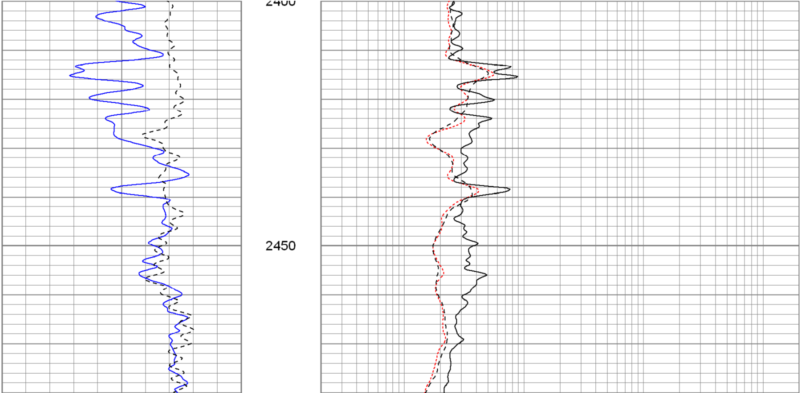

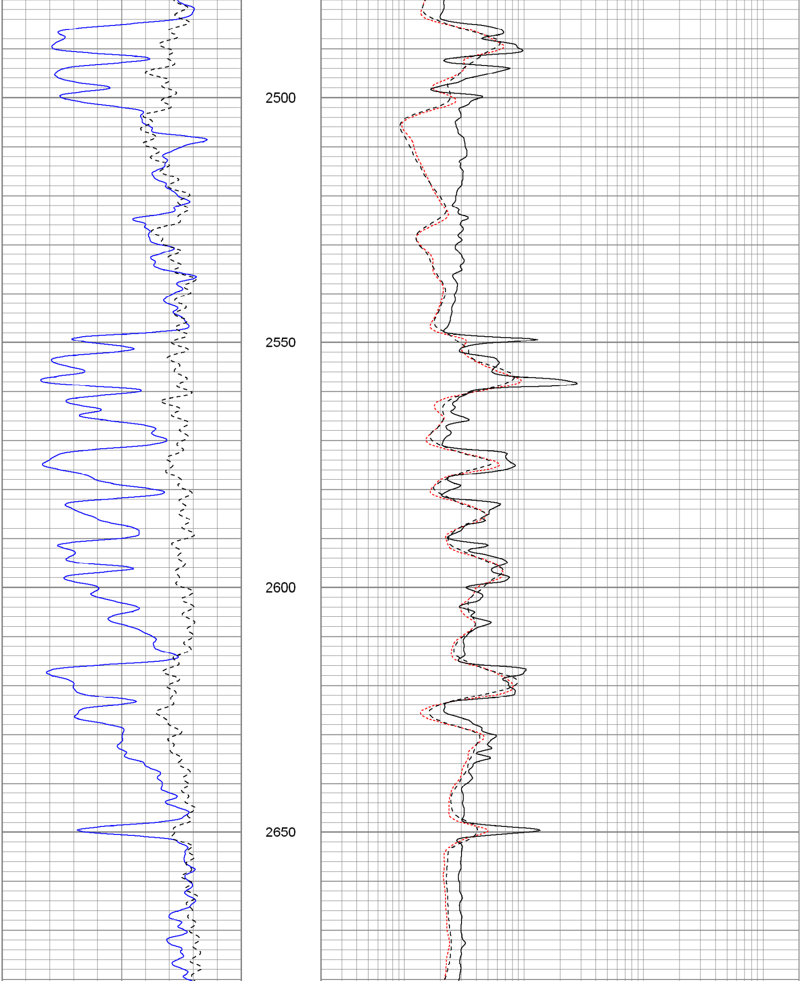

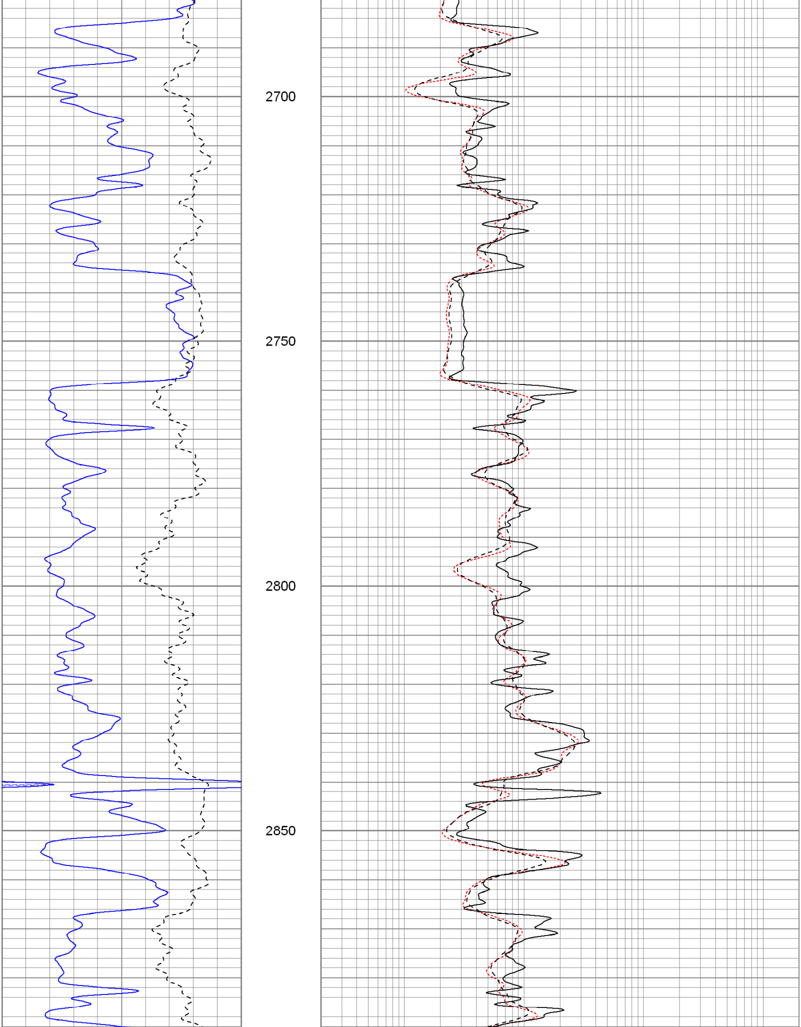

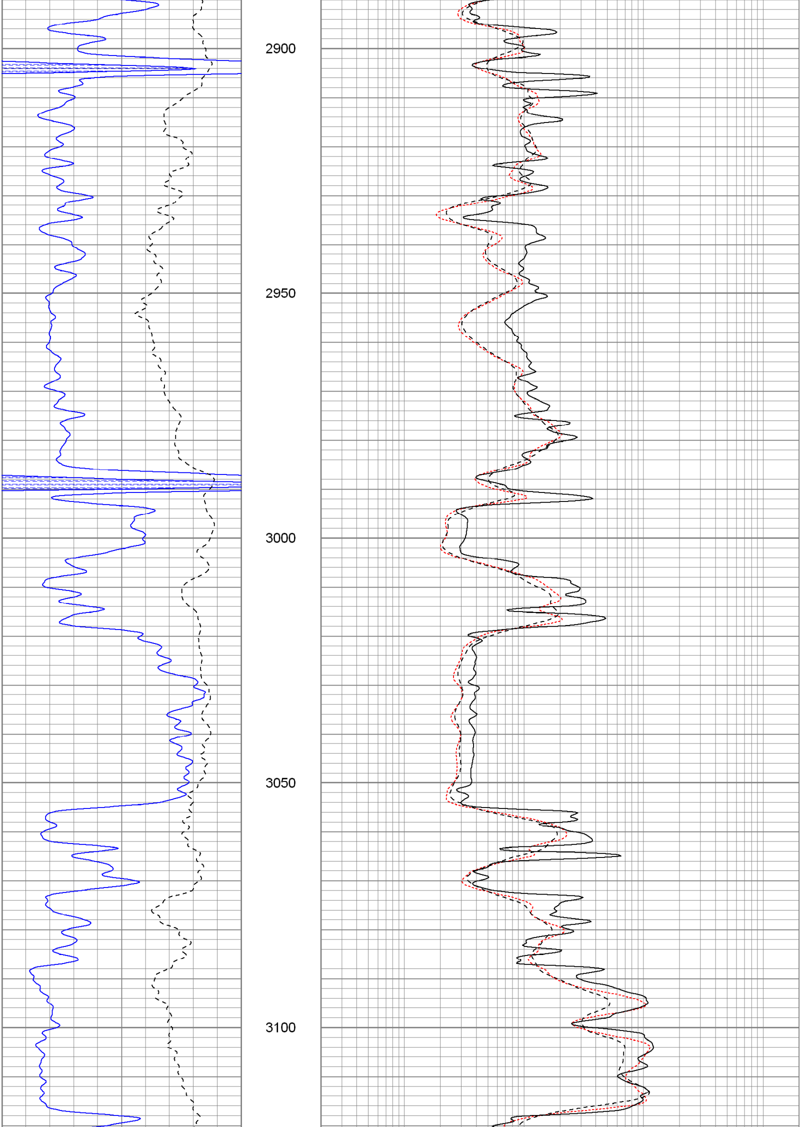

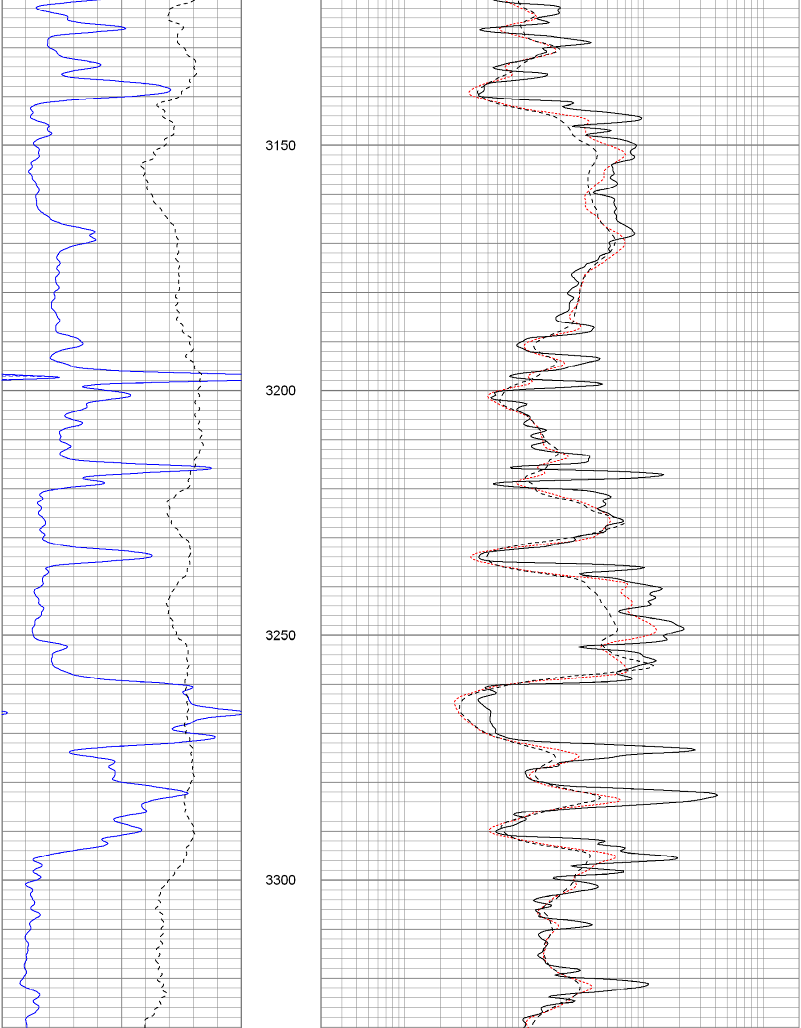

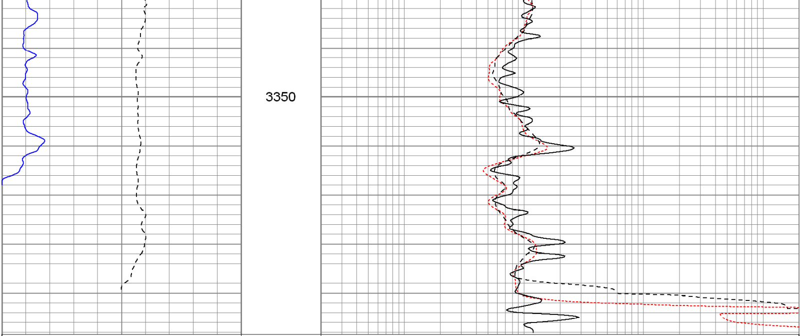

0 GR (GAPI) 150
-100 SP (mV) 100

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

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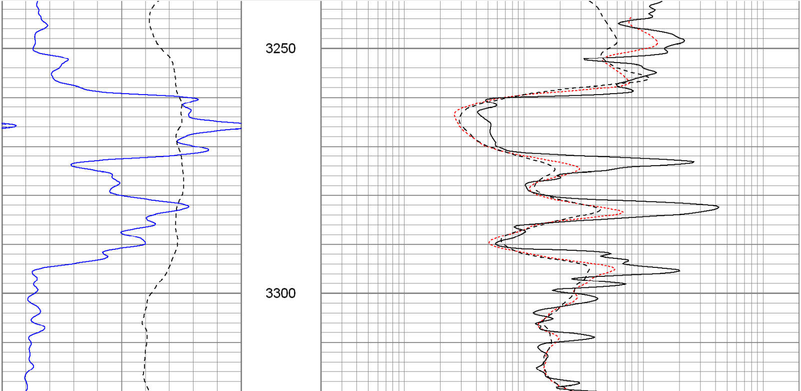
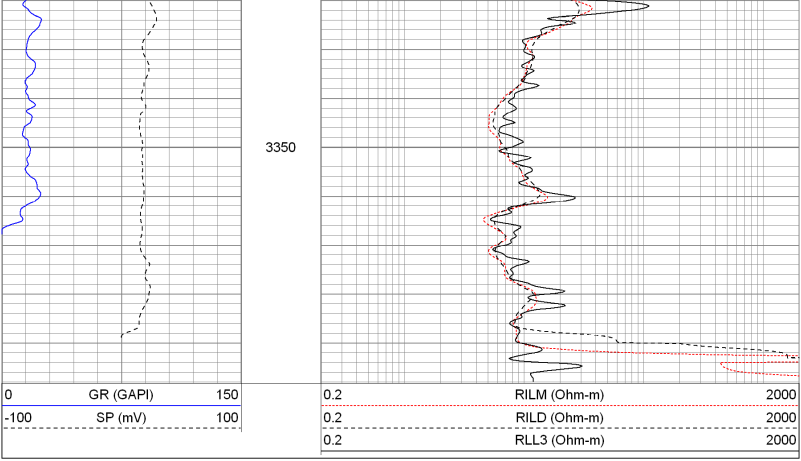
Repeat Pass

Database File:	jojschwein#1oh.db
Dataset Pathname:	pass1.1
Presentation Format:	kdil
Dataset Creation:	Thu May 24 06:58:59 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





Calibration Report

Database File: jojschwein#1oh.db
Dataset Pathname: pass1
Dataset Creation: Thu May 24 06:19:02 2012 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 080522-Probe
Surface Cal Performed: Mon May 21 20:42:56 2012
Downhole Cal Performed: Mon May 21 20:42:59 2012
After Survey Verification Performed: Mon May 21 20:43:01 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		

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT
Source / Verifier: /
Master Calibration Performed: Thu May 24 05:04:22 2012

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

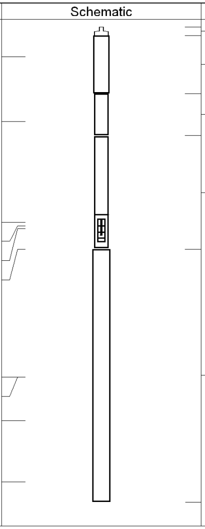
	Size		Reading
Small Ring	8.05	in	6064.22
Large Ring	14.00	in	10296.80

Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Thu May 24 05:04:30 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:	Fri Apr 20 16:12:38 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: jojschwein#1oh.db: field/well/run1/pass1
Total Length: 40.39 ft
Total Weight: 676.00 lb
O.D.: 4.00 in