The Perforators LLC

DUAL INDUCTION LOG

Company	Ernst Oil
Well	Witt #4
Field	Unnamed
County	Rooks
State	Kansas

Company Ernst Oil
Well Witt #4
Field Unnamed
County Rooks State Kansas

Location: API # : 15 163 24063

2310' FNL & 1755' FWL

SEC 3 TWP 6S RGE 20W

Other Services
CDNL
BCS

Permanent Datum	Ground Level	Elevation	2163'
Log Measured From	KB 5' AGL		
Drilling Measured From	KB		

Elevation
K.B. 2168'
D.F. 2162'
G.L. 2163'

Date	8-27-12		
Run Number	One		
Depth Driller	3675'		
Depth Logger	3676'		
Bottom Logged Interval	3674'		
Top Log Interval	3050'		
Casing Driller	252'		
Casing Logger	252'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	9.2/61		
pH / Fluid Loss	10.5/8.8		
Source of Sample	Pit		
Rm @ Meas. Temp	2.5@74degf		
Rmf @ Meas. Temp	1.88@74degf		
Rmc @ Meas. Temp	3@74degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.67@111degf		
Time Circulation Stopped	9:00 a.m..		
Time Logger on Bottom	11:30 a.m.		
Maximum Recorded Temperature	111 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Robert Hopkins	Mr. Fred Ernst	

<<< 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

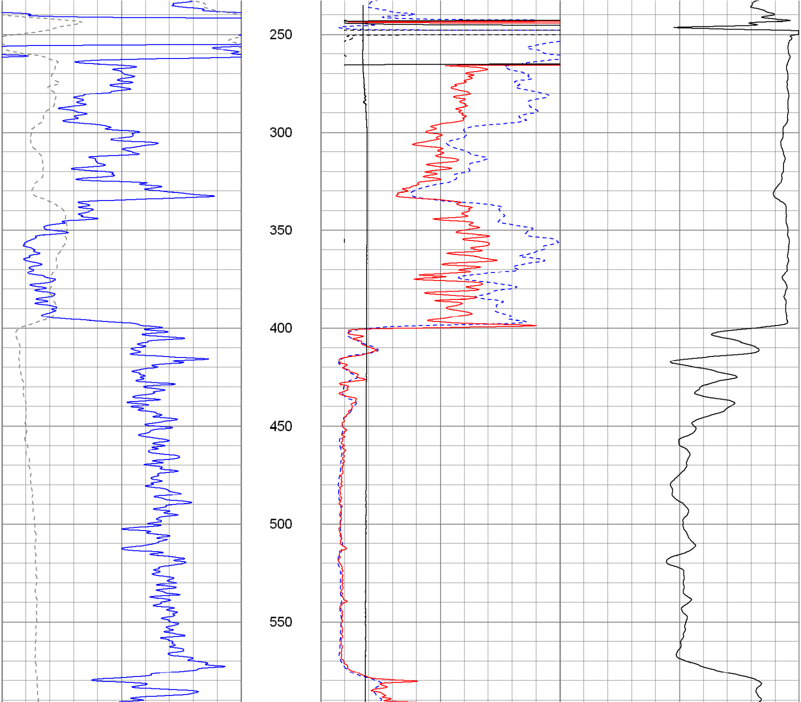
The Perforators LLC

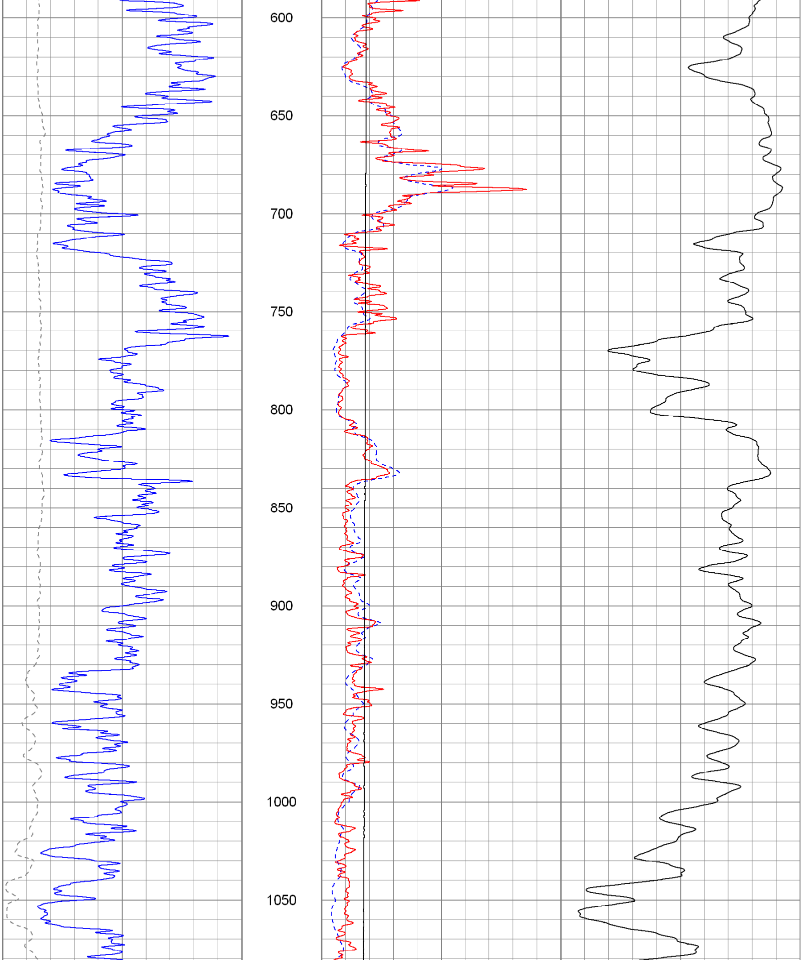
Main Pass

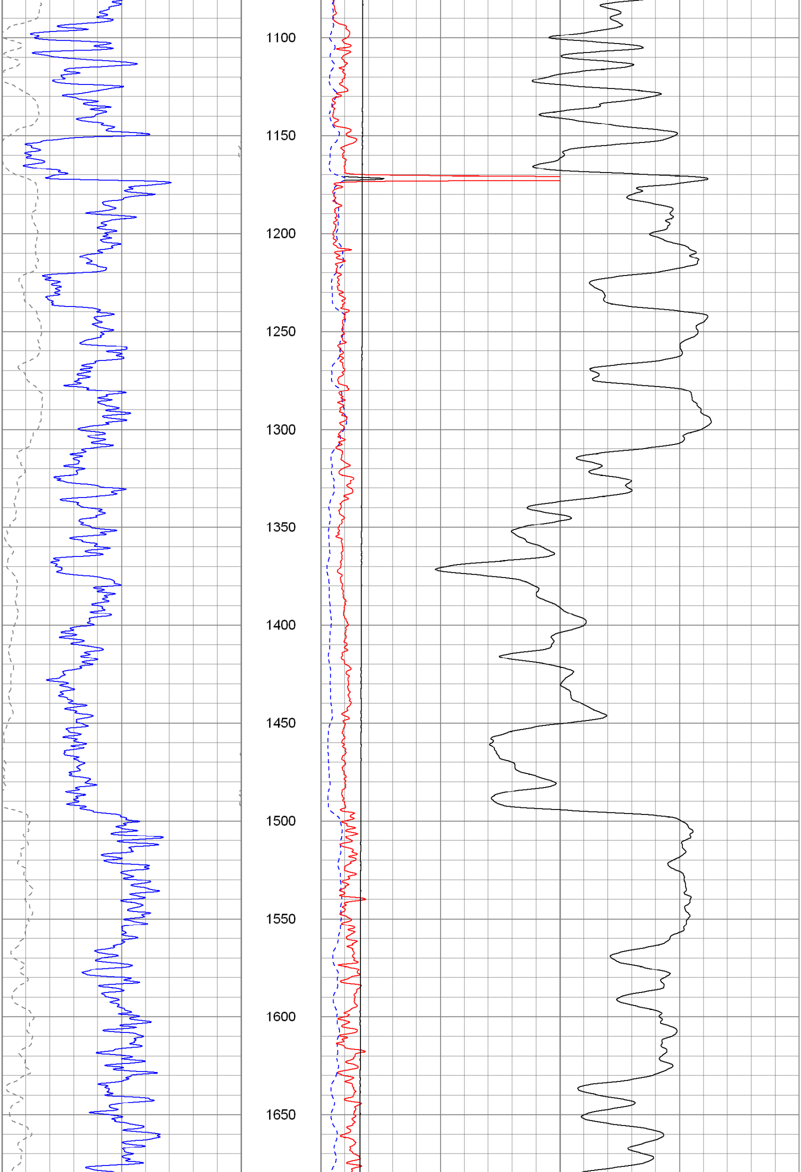
Database File:	eowitt#4oh.db
Dataset Pathname:	pass2
Presentation Format:	kdillin2
Dataset Creation:	Mon Aug 27 11:56:26 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:600

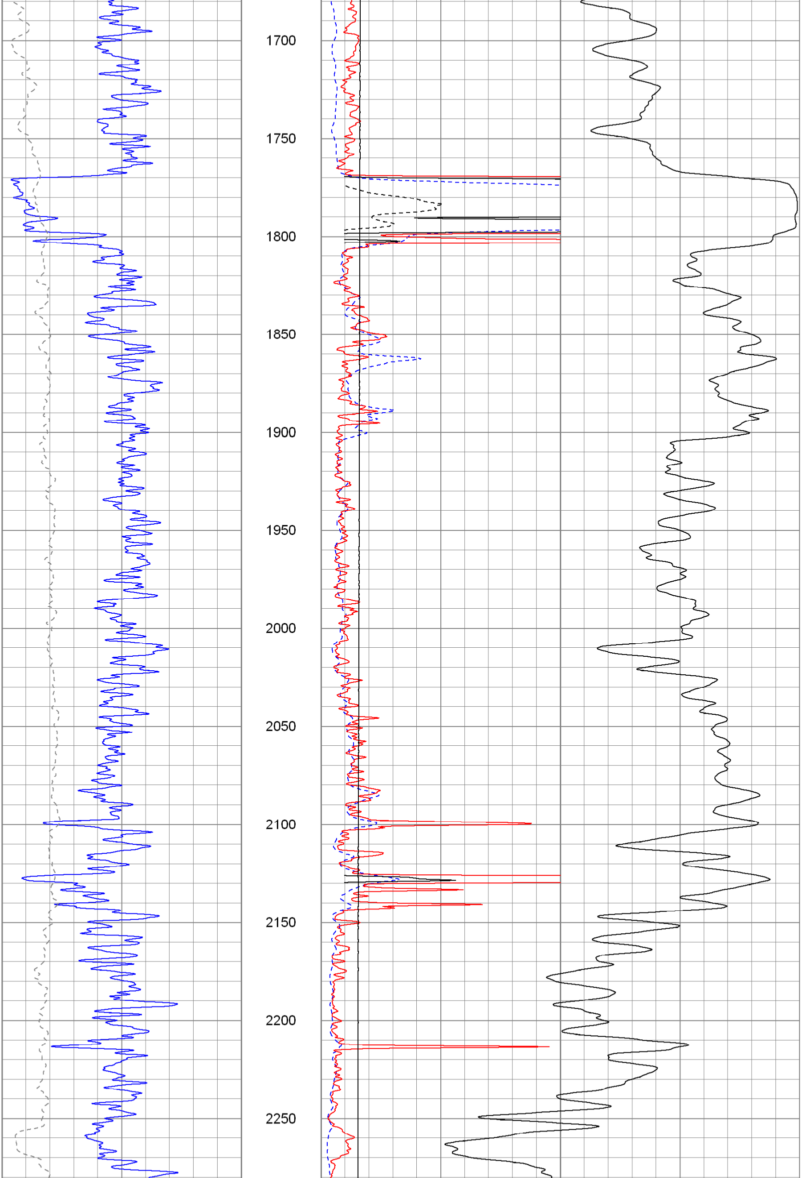
0 GR (GAPI) 150
-200 SP (mV) 0

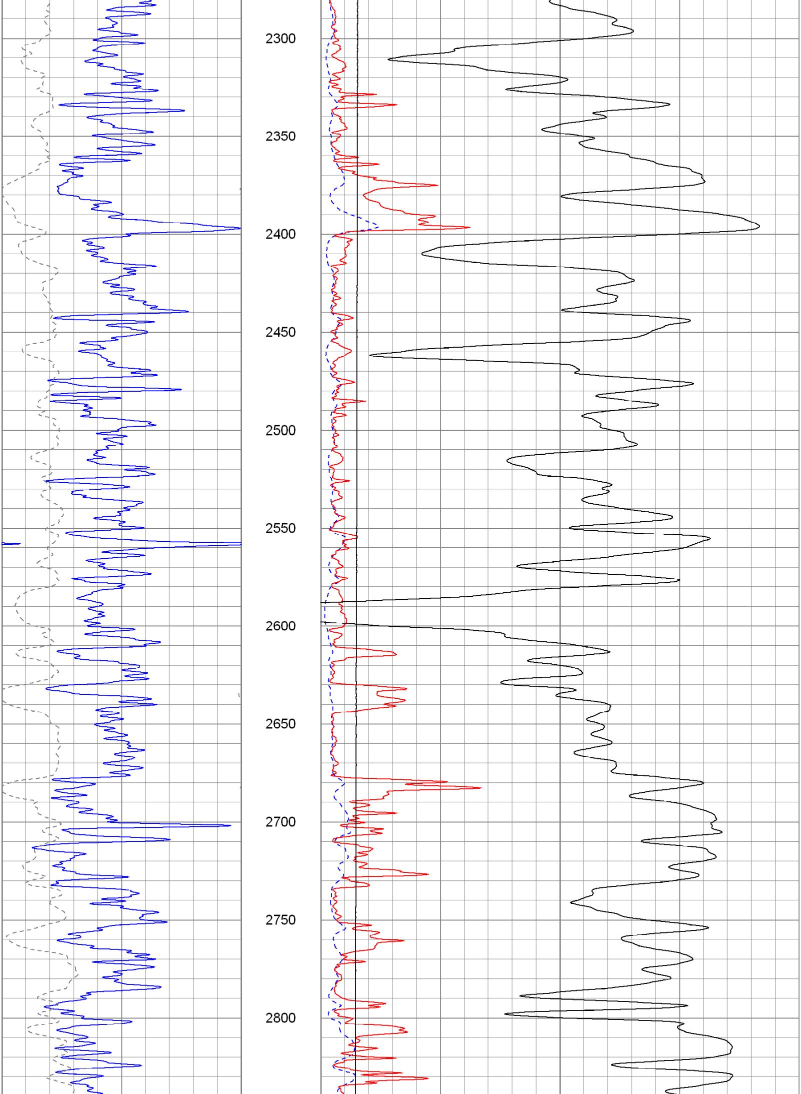
0 RILD (Ohm-m) 50
0 RLL3 (Ohm-m) 50
1000 CILD (mmho/m) 0
10000 LTEN (lb) 0
50 RILD x 10 (Ohm-m) 500
50 RLL3 x 10 (Ohm-m) 500

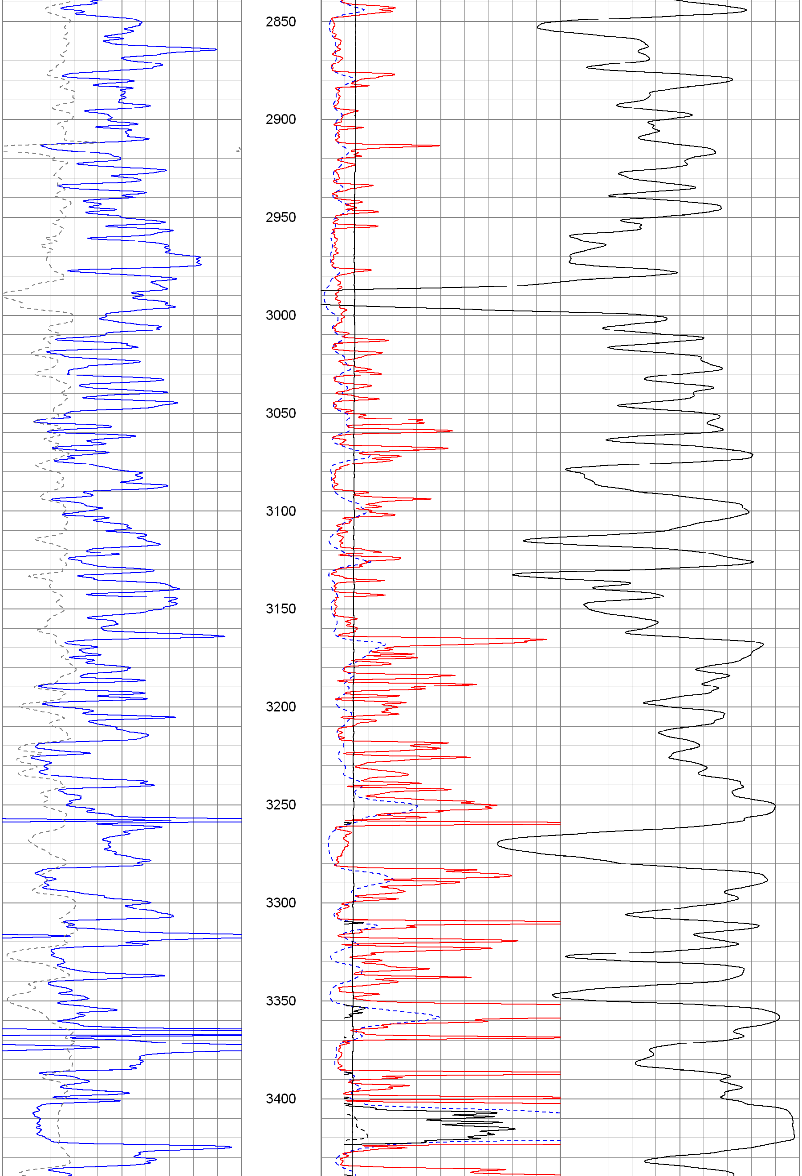


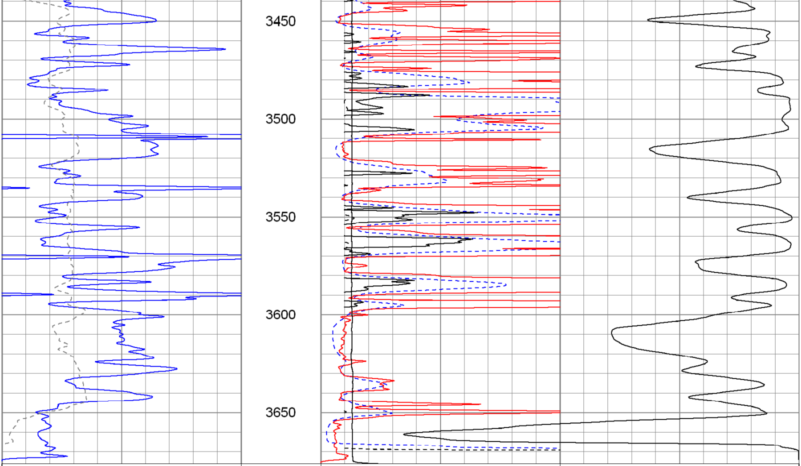












0 GR (GAPI) 150
-200 SP (mV) 0

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

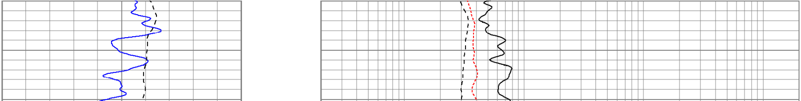
The Perforators LLC

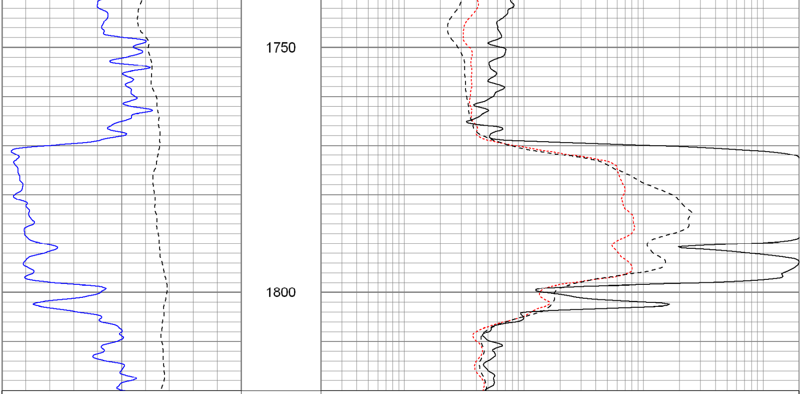
Main Pass

Database File:	eowitt#4oh.db
Dataset Pathname:	pass2
Presentation Format:	kdil
Dataset Creation:	Mon Aug 27 11:56:26 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





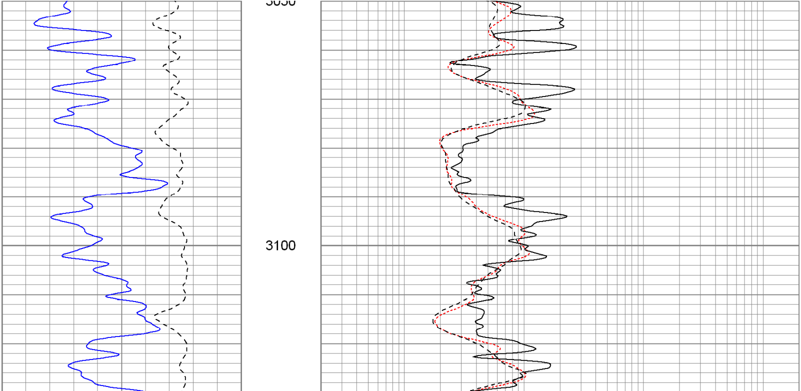
0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

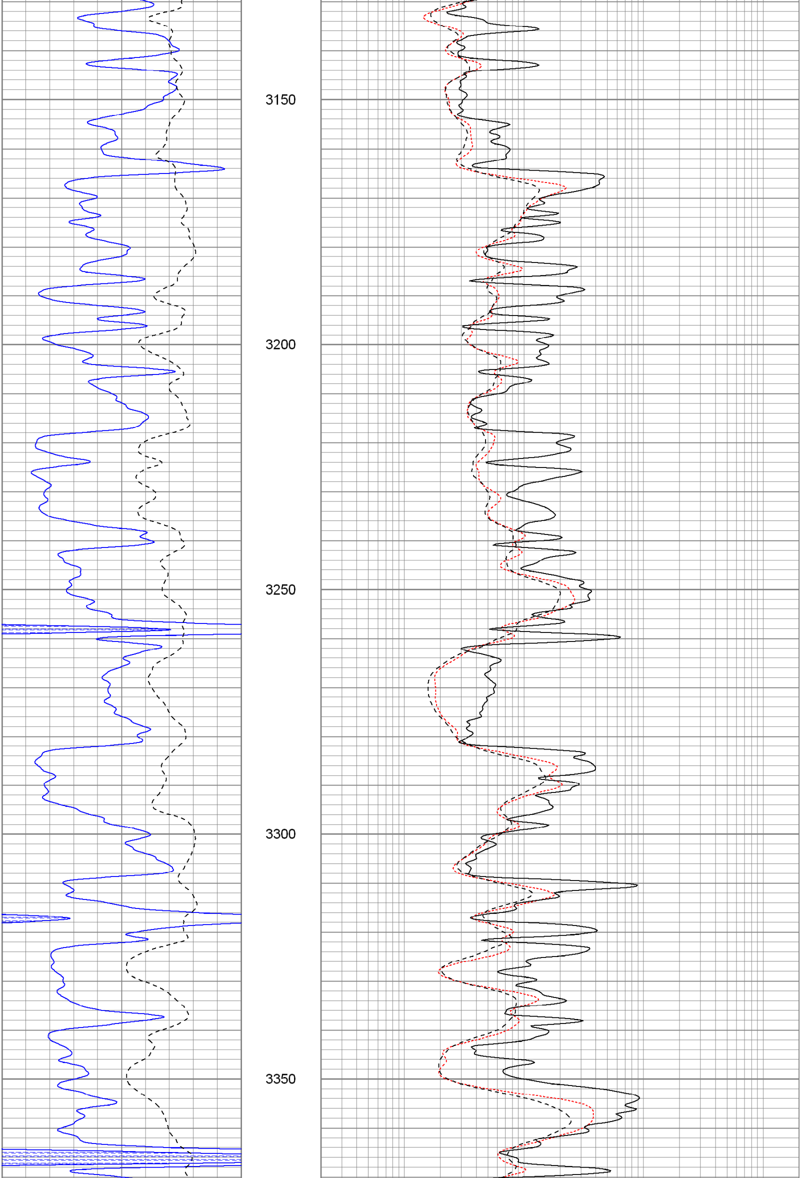
The Perforators LLC

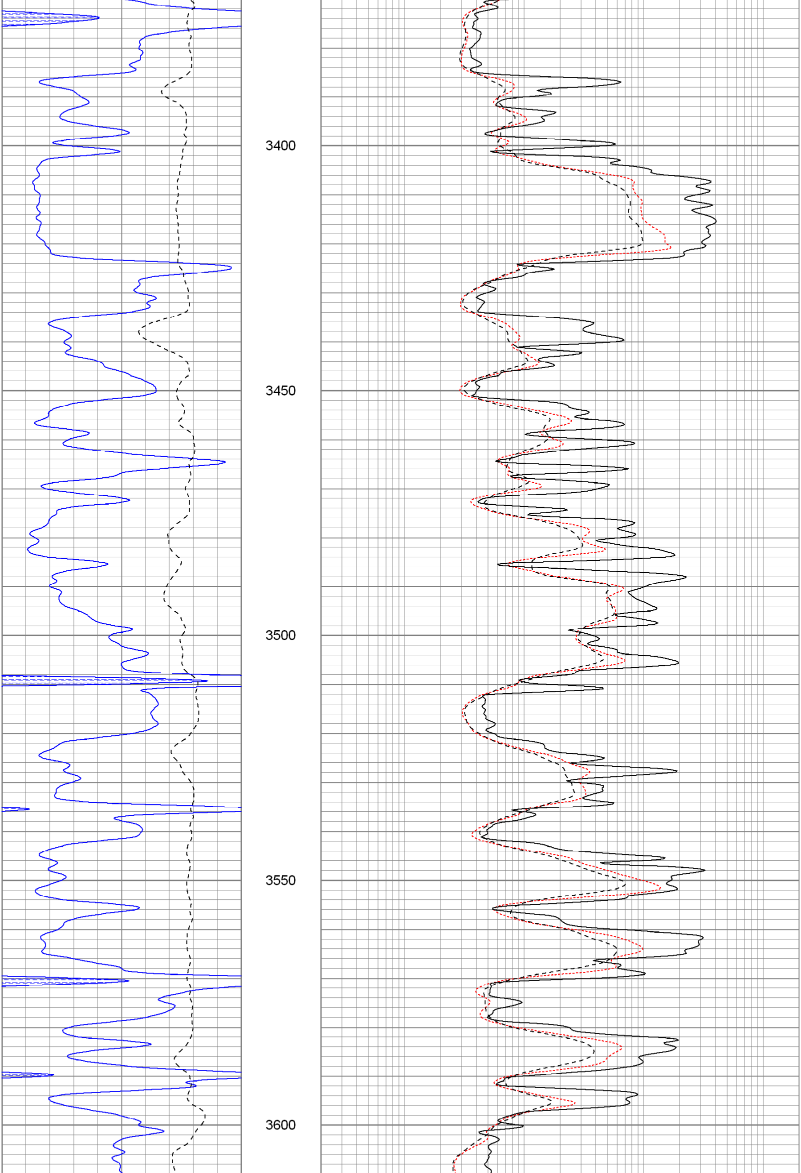
Main Pass

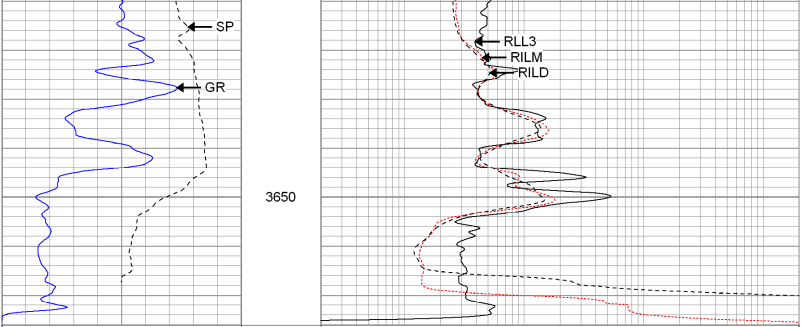
Database File: eowitt#4oh.db
Dataset Pathname: pass2
Presentation Format: kdil
Dataset Creation: Mon Aug 27 11:56:26 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000









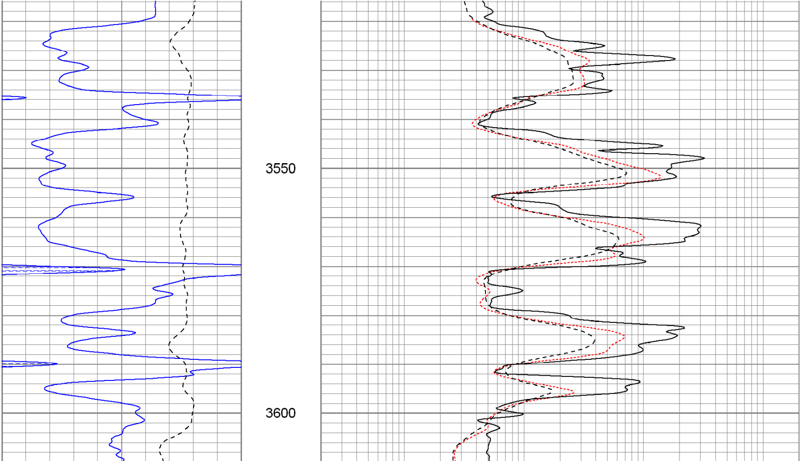
0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

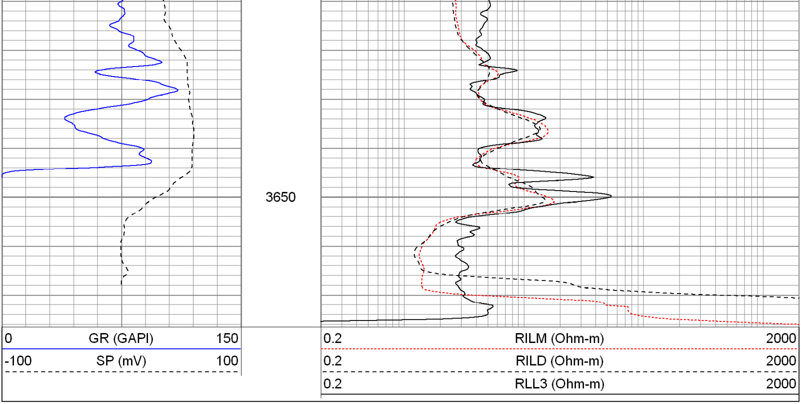
The Perforators LLC

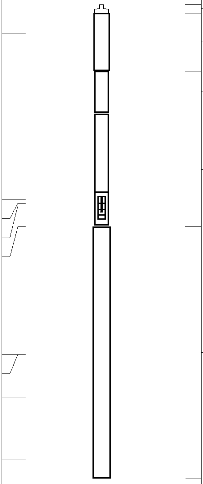
Repeat Pass

Database File:	eowitt#4oh.db
Dataset Pathname:	pass1
Presentation Format:	kdil
Dataset Creation:	Mon Aug 27 11:47:53 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

0	GR (GAPI)	150	0.2	RILM (Ohm-m)	2000
-100	SP (mV)	100	0.2	RILD (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000





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
LSD DCAL SSD HEADVOLT	23.78 23.49 23.24 21.47		CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
CILD SP CILM RLL3	10.60 10.60 6.89 1.70		DIL-G (5375) Gearhart	21.47	4.00	345.00

Dataset:	eowitt#4oh.db: field/well/run1/pass1
Total Length:	40.39 ft
Total Weight:	676.00 lb
O.D.	4.00 in