



COMPENSATED DENSITY NEUTRON LOG

Company	Palomino Petroleum	Company	Palomino Petroleum
Well	Rocket Science #1	Well	Rocket Science #1
Field	Repshire SE	Field	Repshire SE
County	Lane	County	Lane
State	Kansas	State	Kansas
Location:	API # : 15 101 22454 197' FSL & 2511' FEL		
Permanent Datum	SEC 23 TWP 17S RGE 27W	Ground Level	Elevation 2606'
Log Measured From	KB 5' AGL	Drilling Measured From	KB
		Other Services	DIL
		Elevation	K.B. 2611' D.F. 2610' G.L. 2606'
Date	7-25-13		
Run Number	One		
Depth Driller	4658'		
Depth Logger	4654'		
Bottom Logged Interval	4622'		
Top Log Interval	3600'		
Casing Driller	8 5/8" @ 218'		
Casing Logger	218'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	48/54		
pH / Fluid Loss	10.0/8.4		
Source of Sample	Pit		
Rm @ Meas. Temp	.75@80degf		
Rmf @ Meas. Temp	.6@80degf		
Rmc @ Meas. Temp	.96@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.5@120degf		
Time Circulation Stopped	7:00 p.m.		
Time Logger on Bottom	9:15 p.m.		
Maximum Recorded Temperature	120degf		
Equipment Number	T127		
Location	Hays, KS		
Recorded By	L. Smith		
Witnessed By	Mr. Ryan Seib		

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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 Gemini Wireline LLC
785-625-1182

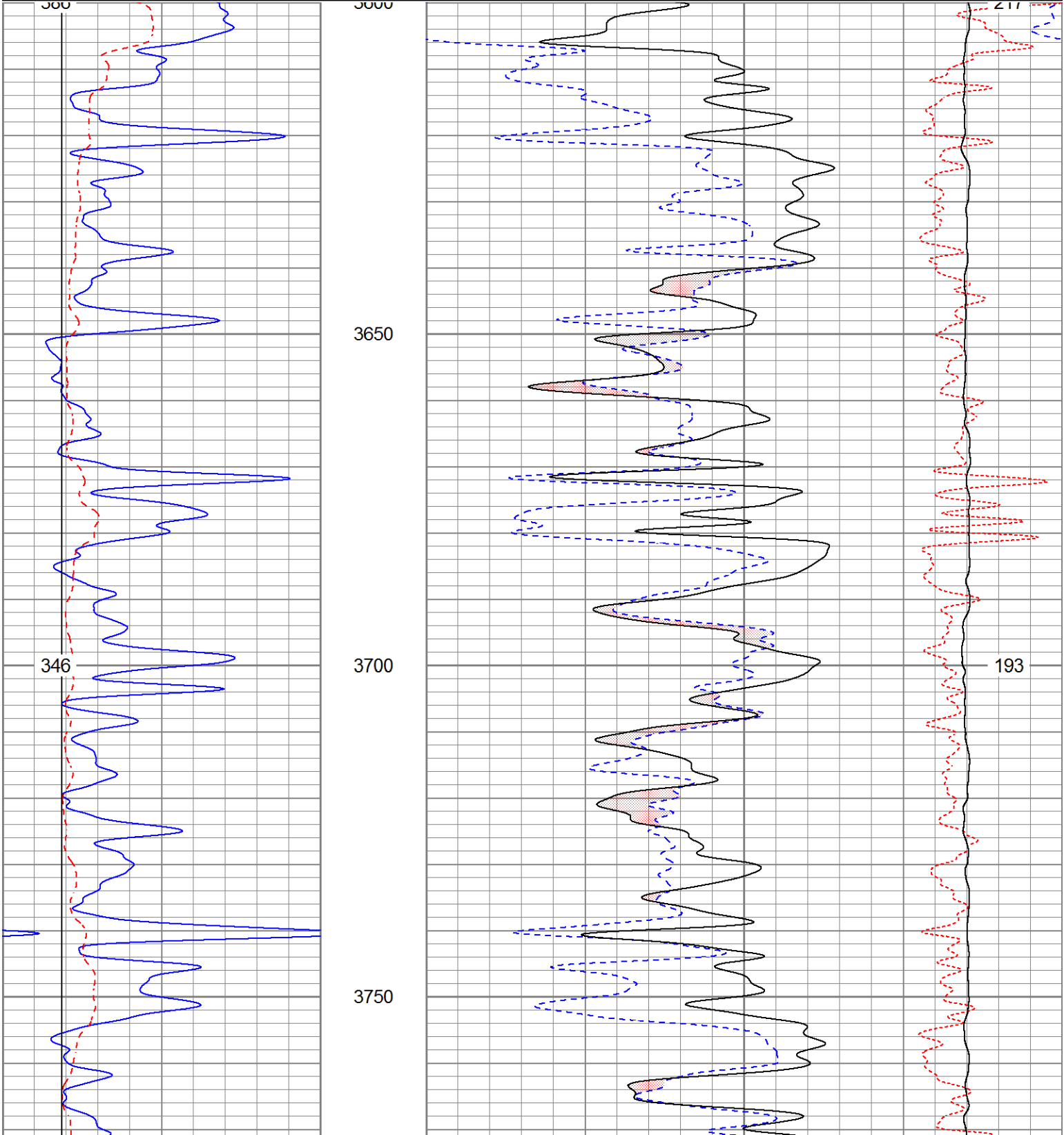
West of Beeler, W to Turkey Red Rd.,H cross 2 cattle guards, at 1st tank battery go E stay on main rd. past another tank battery then follow rd. SE approx. 2 miles

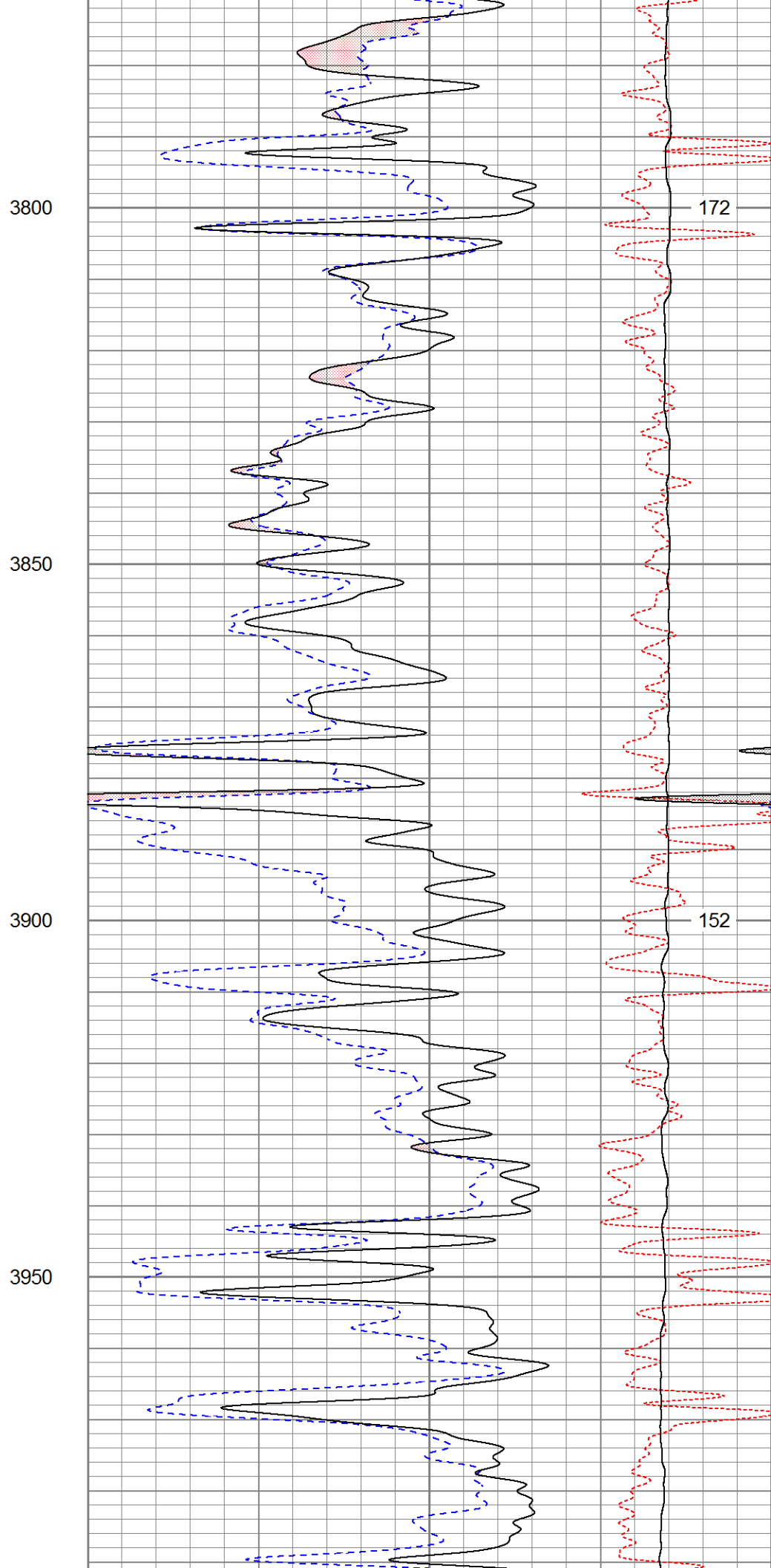
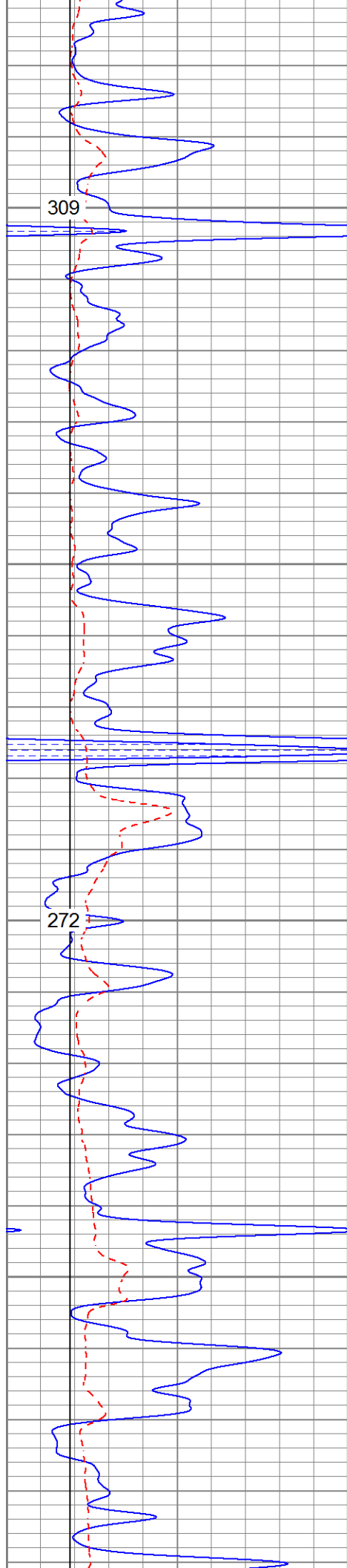


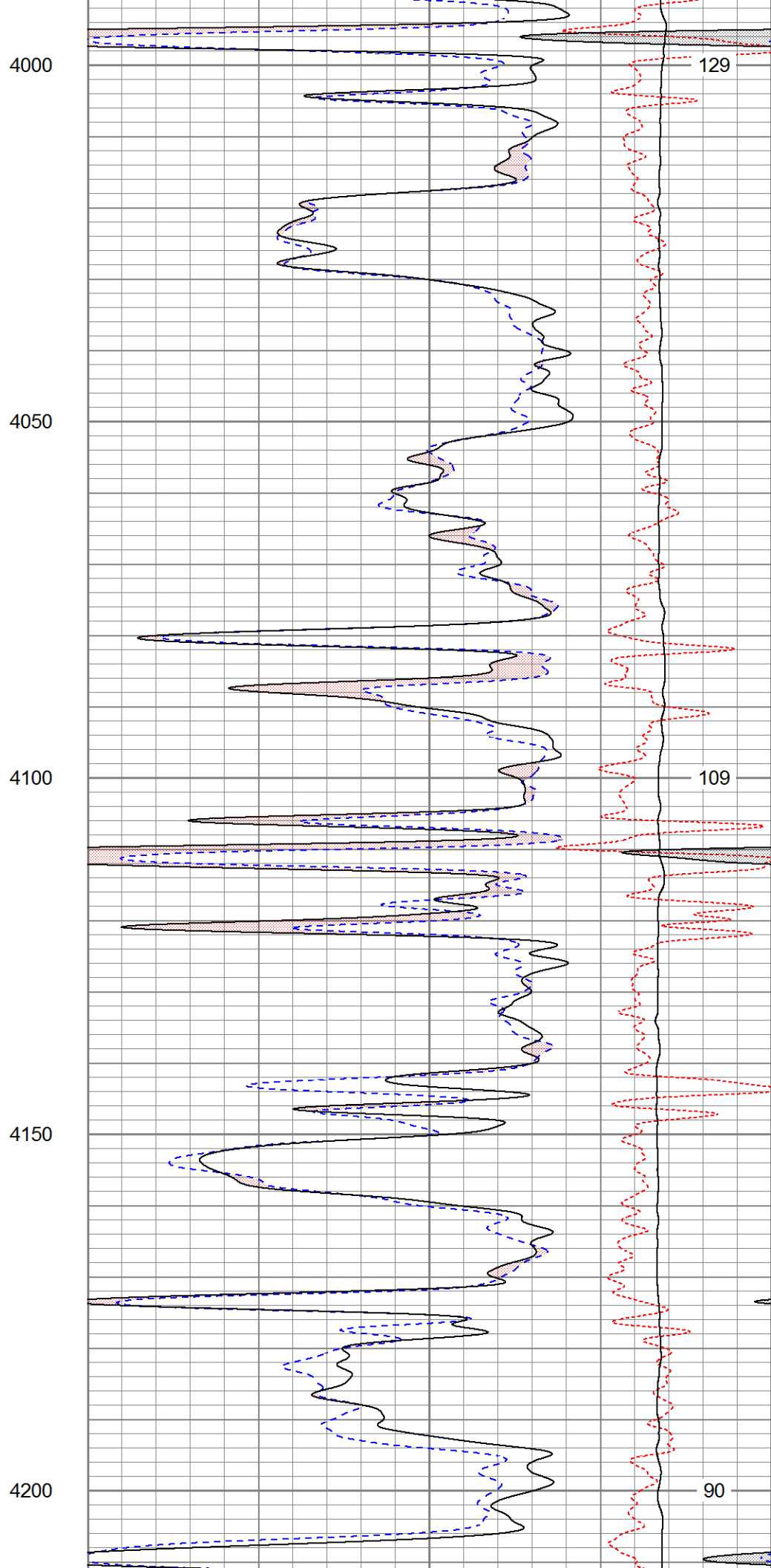
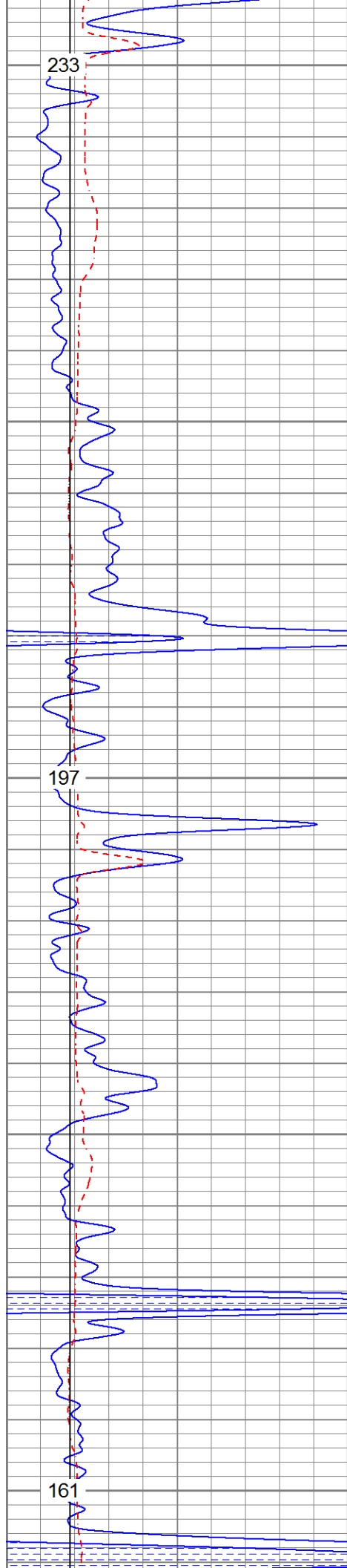
Main Pass

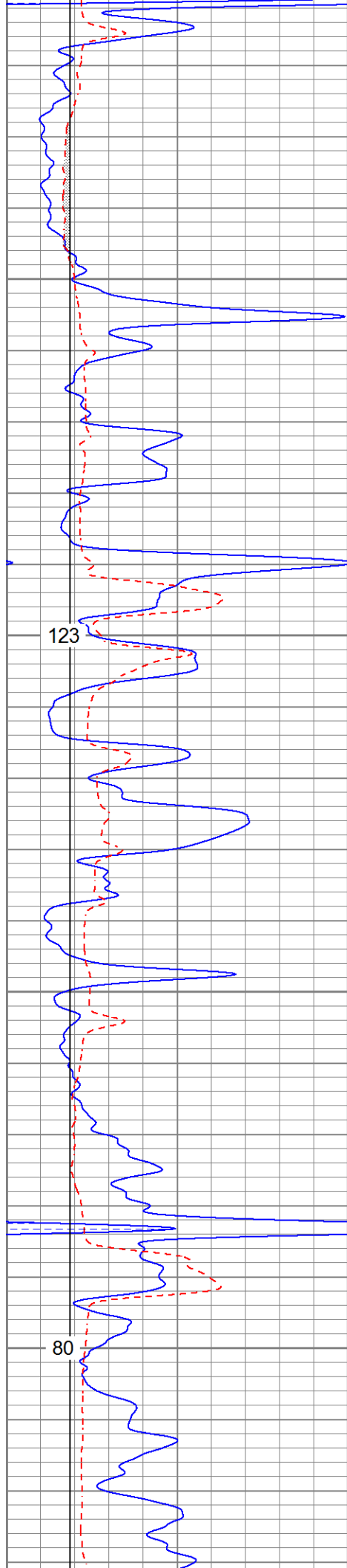
Database File	pocketscience#1oh.db
Dataset Pathname	pass2.1
Presentation Format	kcdnl
Dataset Creation	Sun Aug 04 22:11:34 2013
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	30	NPOR (pu)	-10	
6	DCAL (in)	16	30	DPOR (pu)	-10	
6	BOREID (in)	16	70	DPOR (pu)	30	
TBHV (ft3)			8000	LTEN (lb)	0	
				-0.25	RHOC (g/cc)	0.25
						ABHV (ft3)







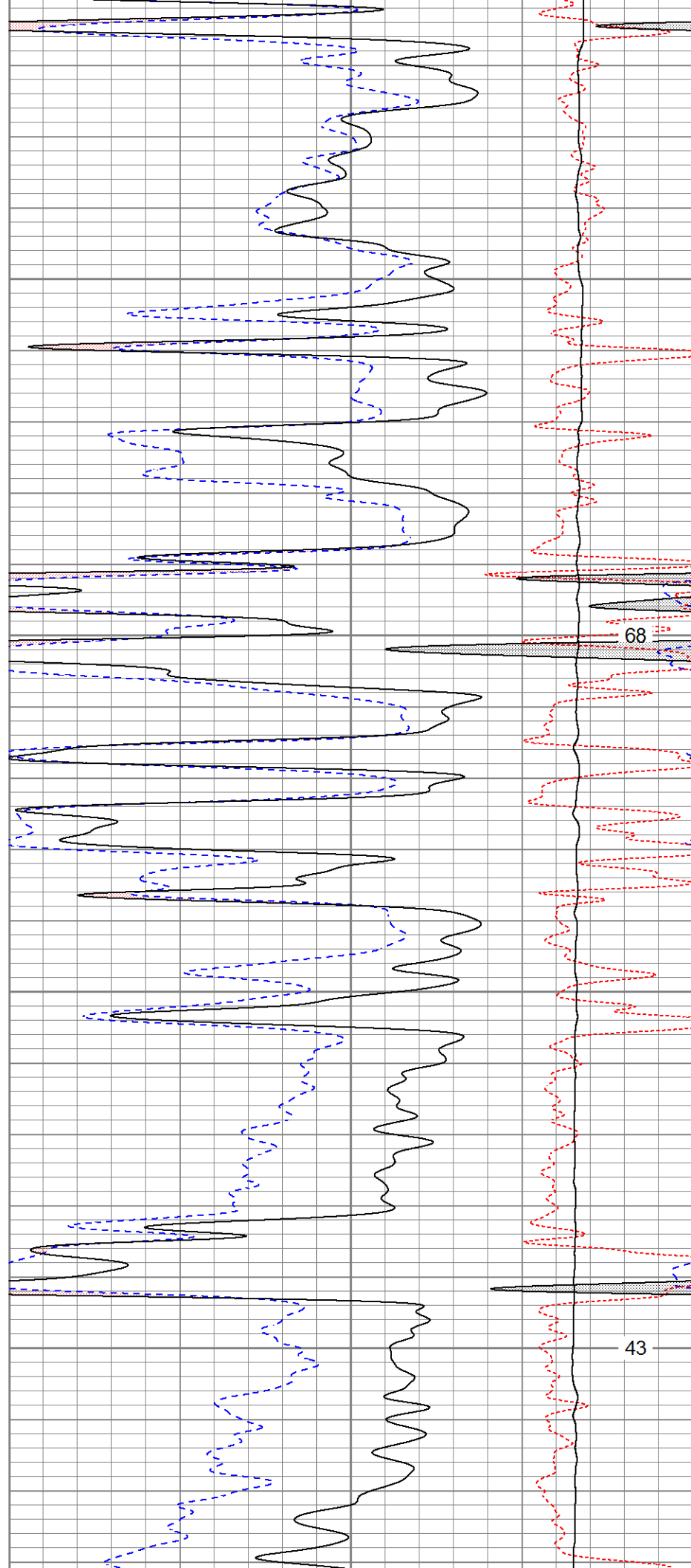


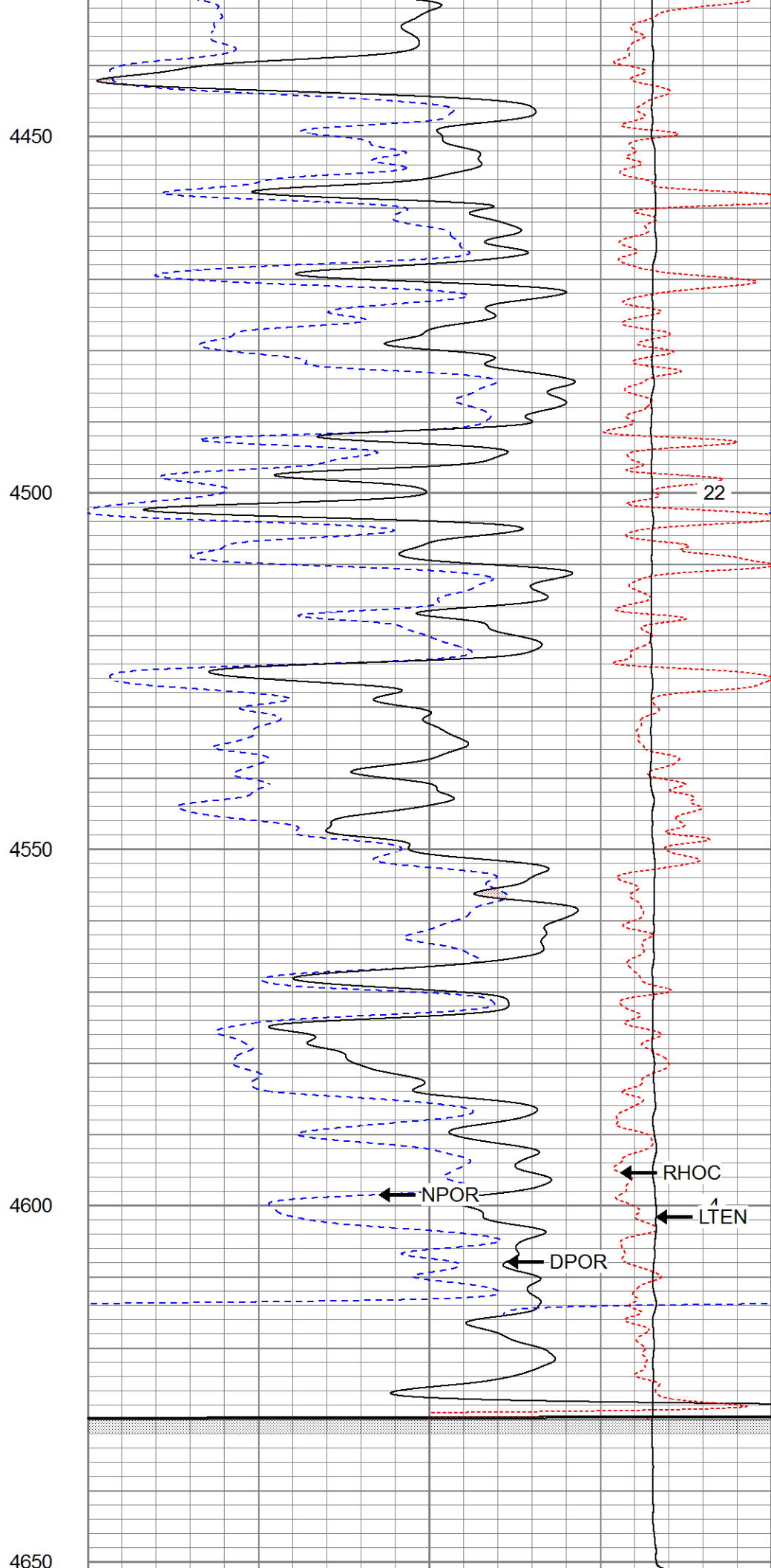
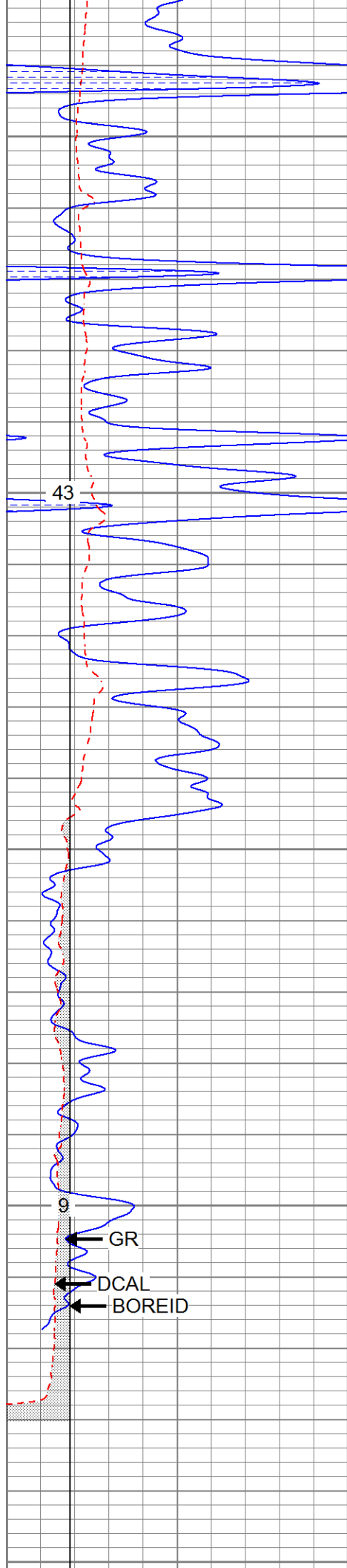
4250

4300

4350

4400





0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
TBHV (ft3)		

30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
8000	LTEN (lb)	0
-0.25 RHOC (g/cc)		0.25
ABHV (ft3)		

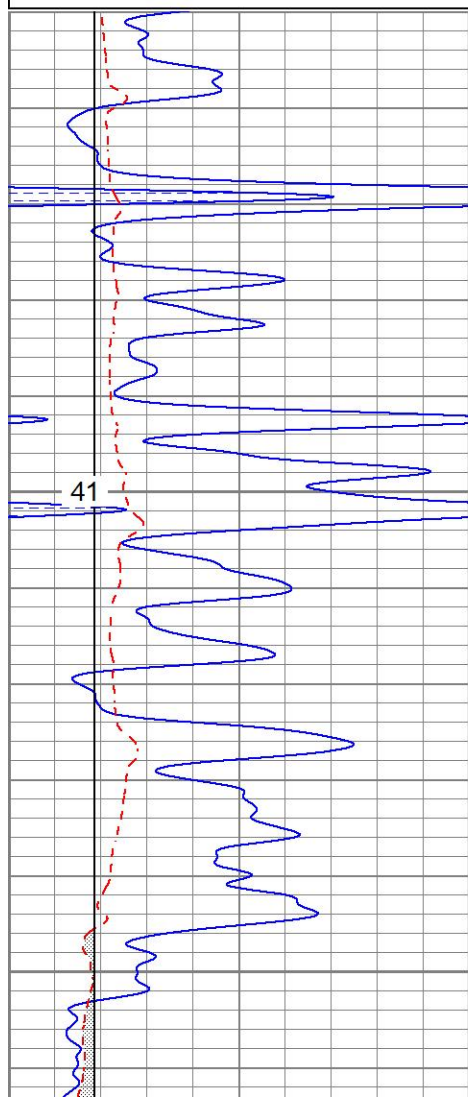


Repeat Pass

Database File pprocketscience#1oh.db
 Dataset Pathname pass1
 Presentation Format kcdnl
 Dataset Creation Sun Aug 04 21:15:17 2013
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
TBHV (ft3)		

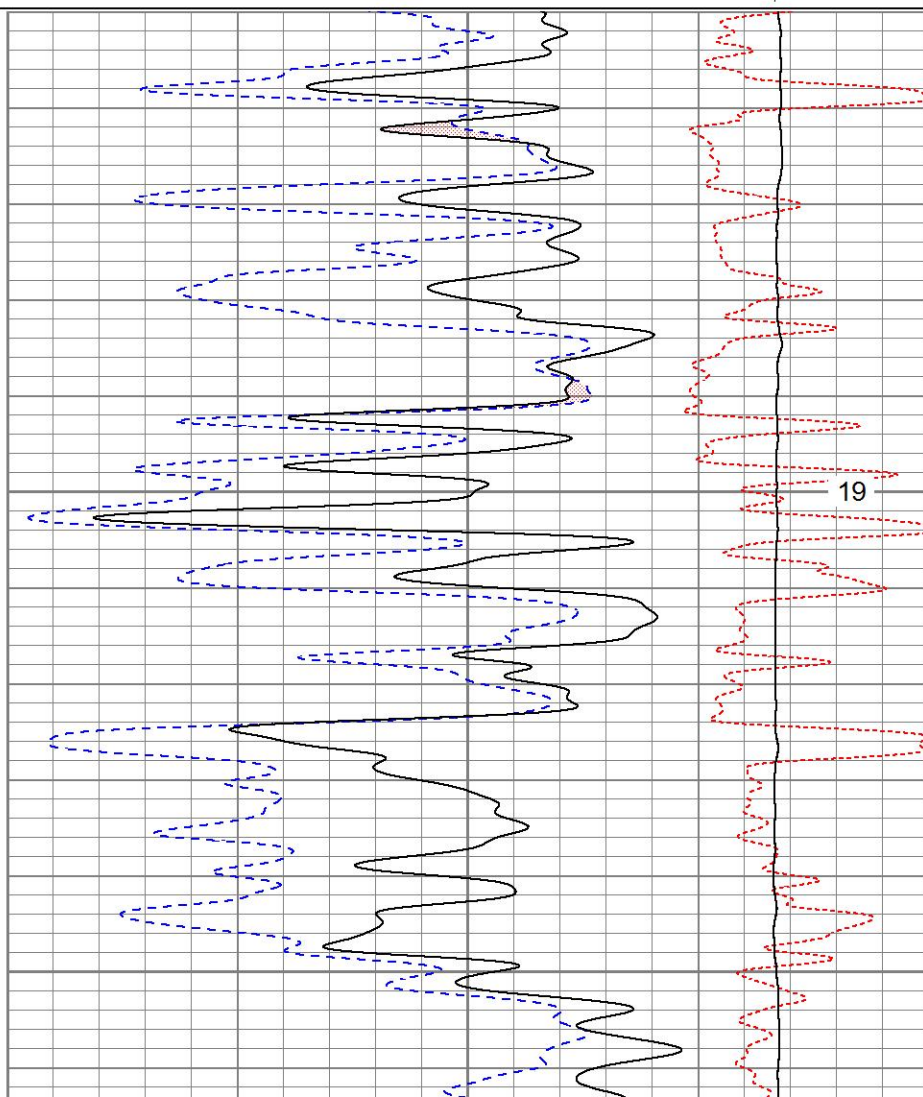
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
8000	LTEN (lb)	0
-0.25 RHOC (g/cc)		0.25
ABHV (ft3)		

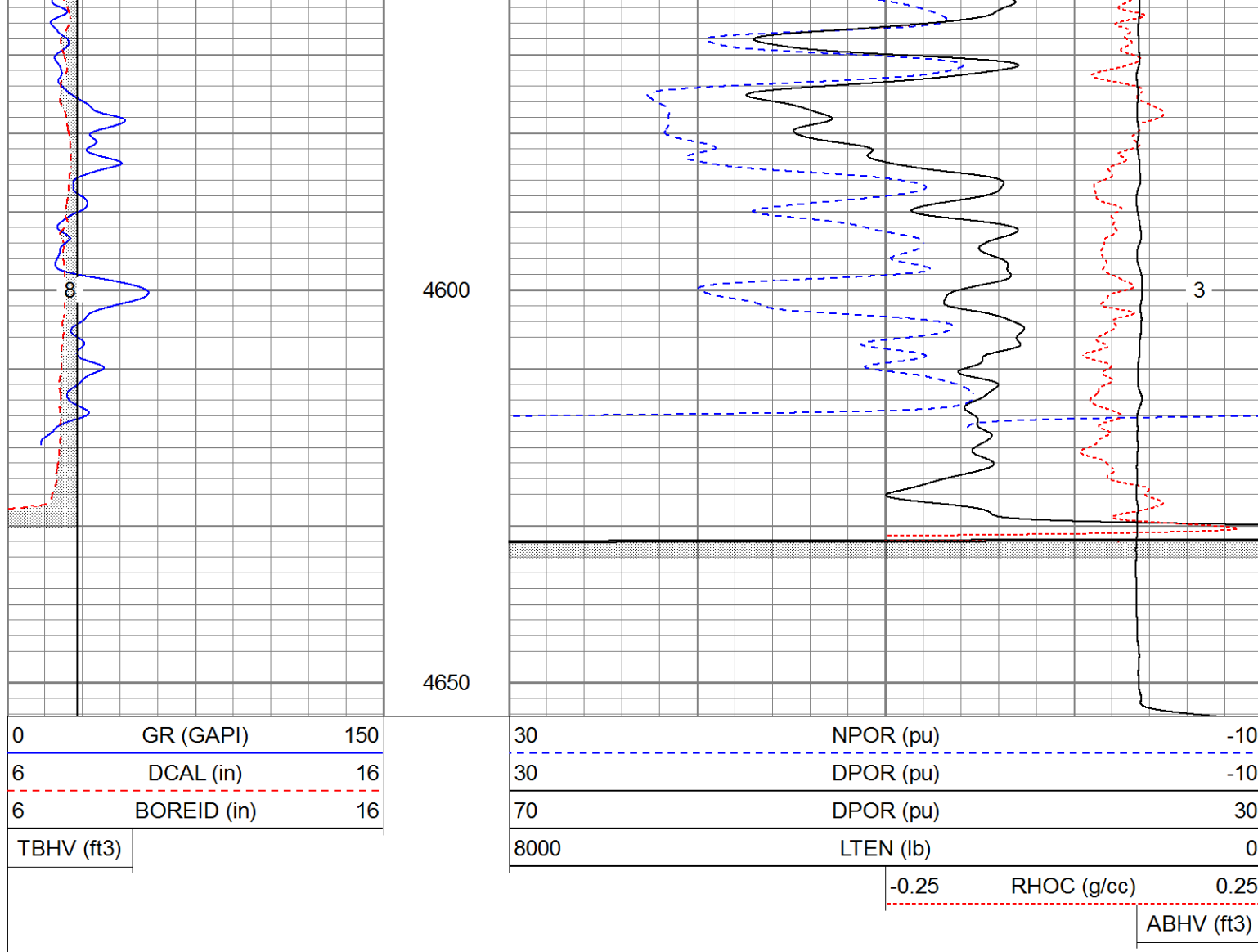


4450

4500

4550





Calibration Report										
Database File	pprocketscience#1oh.db									
Dataset Pathname	pass1									
Dataset Creation	Sun Aug 04 21:15:17 2013									
Dual Induction Calibration Report										
Serial-Model:			5375-G							
Surface Cal Performed:			Wed Jul 10 13:47:02 2013							
Downhole Cal Performed:			Wed Jul 10 13:47:46 2013							
After Survey Verification Performed:			Wed Jul 10 13:47:46 2013							
Surface Calibration										
		Readings					References			
Loop:	Air	Loop		Air	Loop		m	b		
Deep	0.006	0.644	V	0.000	350.000	mmho/m	547.876	-3.100		
Medium	0.009	0.747	V	0.000	400.000	mmho/m	542.113	-5.049		
Internal:	Zero	Cal		Zero	Cal		m	b		
Deep	0.006	0.645	V	0.000	350.000	mmho/m	547.432	-3.014		
Medium	0.009	0.747	V	0.000	550.000	mmho/m	745.337	-6.710		
Downhole Calibration										
		Readings					References			
Loop:	Air	Loop		Air	Loop		m	b		

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.194	350.211	mmho/m	-0.084	350.201	mmho/m	1.000	0.110
Medium	-0.222	399.960	mmho/m	-0.169	399.868	mmho/m	1.000	0.053
Shallow	2.472	0.016	V	500.000	2.000	Ohm-m	202.760	-1.317
After Survey Verification								
Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.194	350.211	mmho/m	1.000	0.110
Medium	0.000	0.000	mmho/m	-0.222	399.960	mmho/m	1.000	0.053
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000
Compensated Density Calibration Report								
Serial-Model:				2501DHT-DHT				
Source / Verifier:				csv-j12 /				
Master Calibration Performed:				Mon May 27 11:08:09 2013				
Before Survey Verification Performed:								
After Survey Verification Performed:								
Master Calibration								
Density			Far Detector		Near Detector			
Magnesium	1.750	g/cc	721.95		287.97	cps		
Aluminum	2.660	g/cc	136.17		188.42	cps		
Spine Angle = 75.73			Density/Spine Ratio = 0.529					
Size			Reading					
Small Ring	8.30	in	6273.19					
Large Ring	14.00	in	10676.90					
Before Survey Verification								
Target			Measured					
After Survey Verification								
Target			Measured					
Gamma Ray Calibration Report								
Serial Number:			2001					
Tool Model:			OH					
Performed:			Tue Jun 11 15:41:32 2013					
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: Tue Jun 11 15:41:41 2013

 Calibrator Value: 1 NAPI
 Calibrator Reading: 1 cps
 Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
NEU	38.26		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.32		GR-OH (2001) 2001	3.56	3.25	40.00
			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					
SP	10.60		DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: pprocketscience#1oh.db: field/well/run1/pass1
 Total length: 40.39 ft
 Total weight: 676.00 lb
 O.D.: 4.00 in