



COMPENSATED DENSITY NEUTRON LOG

Company	Palomino Petroleum, Inc.	Company	Palomino Petroleum, Inc.
Well	Wilborn #2	Well	Wilborn #2
Field	Sunflower North	Field	Sunflower North
County	Barton	County	Barton
State	KS	State	KS
Location:	API # : 15 009 25813		Other Services
1576' FSL & 673' FWL		DIL	
Permanent Datum	SEC 5	TWP 17S	RGE 12W
Log Measured From	KB 5' AGL	Ground Level	Elevation 1924'
Drilling Measured From	KB		Elevation K.B. 1929' D.F. 1928' G.L. 1924'
Date	2-27-13		
Run Number	One		
Depth Driller	3509'		
Depth Logger	3510'		
Bottom Logged Interval	3487'		
Top Log Interval	2700'		
Casing Driller	386'		
Casing Logger	386'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical Mud		
Density / Viscosity	7.2/50		
pH / Fluid Loss	10.5/9.5		
Source of Sample	Pit		
Rm @ Meas. Temp	.6@70degf		
Rmf @ Meas. Temp	.45@70degf		
Rmc @ Meas. Temp	.72@70degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.37@112degf		
Time Circulation Stopped	2:30 p.m.		
Time Logger on Bottom	4:30 p.m.		
Maximum Recorded Temperature	112 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	Gus Pfannenstiel		
Witnessed By	Mr. Nick Gerstner		

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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

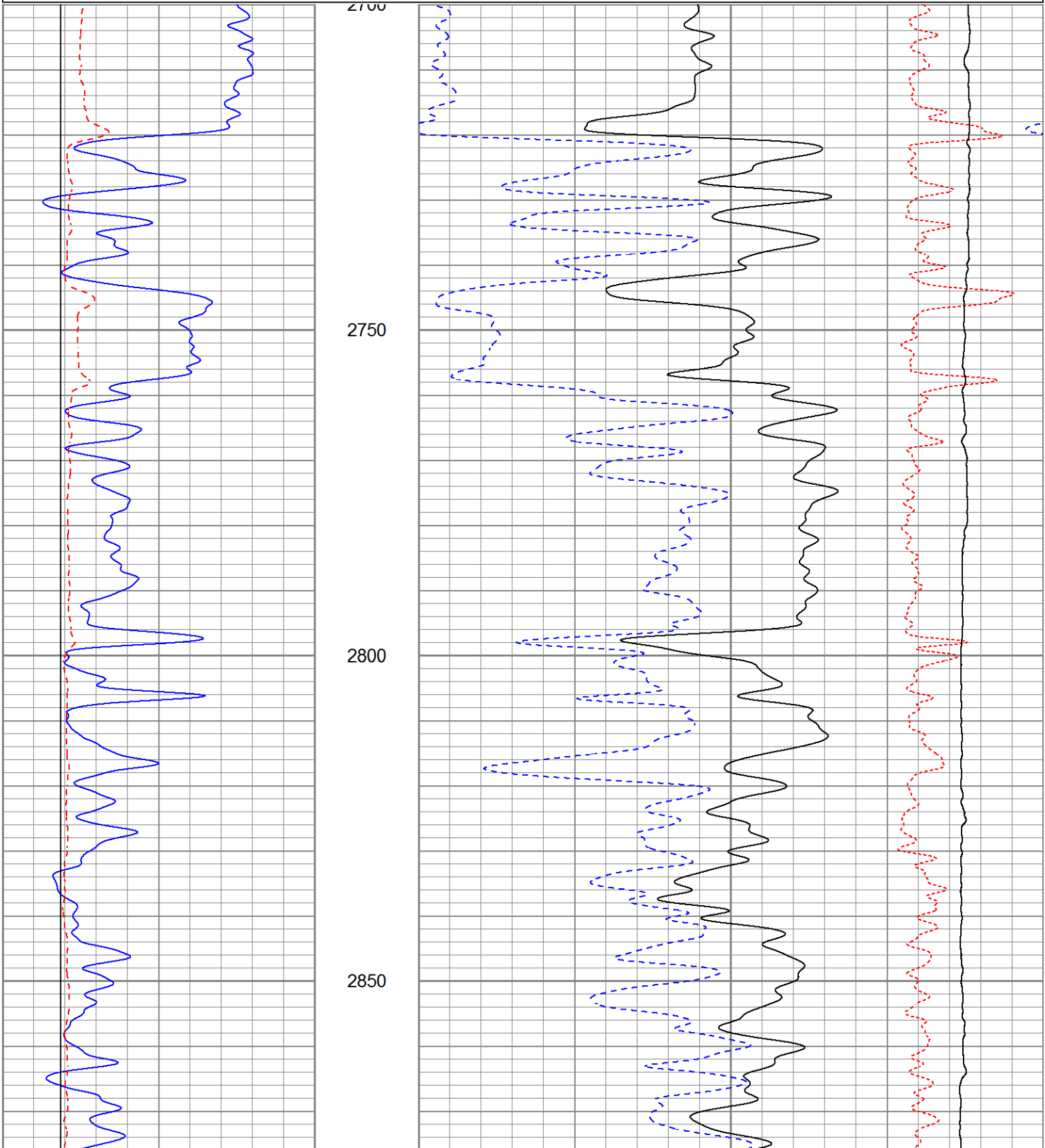
Thank you for using Gemini Wireline
785-625-1182

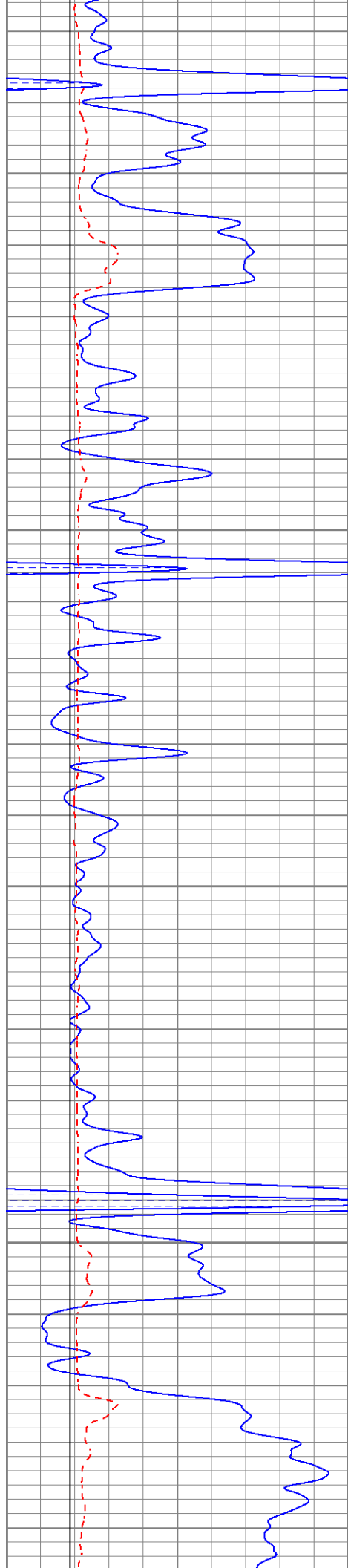


Main Pass

Database File	ppwilborn#2oh.db
Dataset Pathname	pass2
Presentation Format	kcdnl
Dataset Creation	Wed Feb 27 16:34:20 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
			8000	LTEN (lb)	0
				-0.25	RHOC (g/cc) 0.25



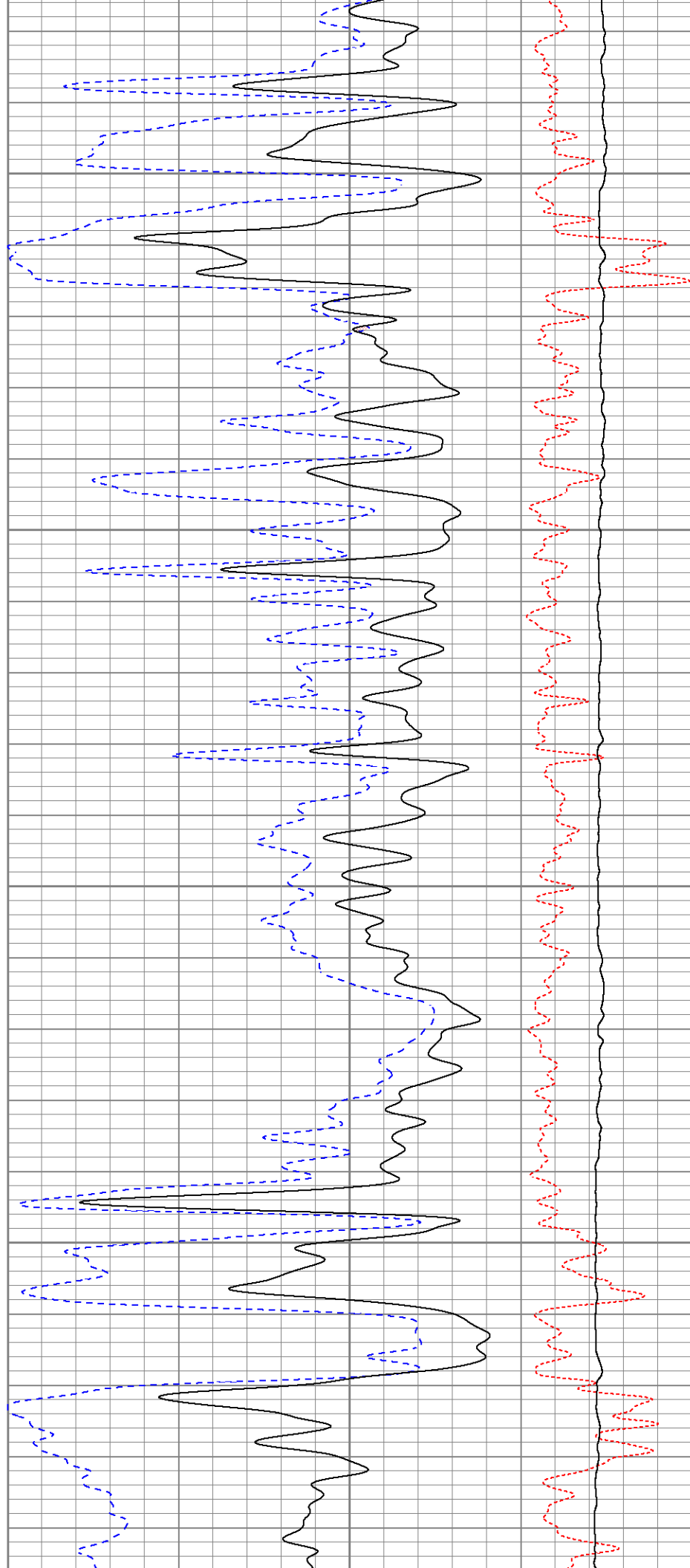


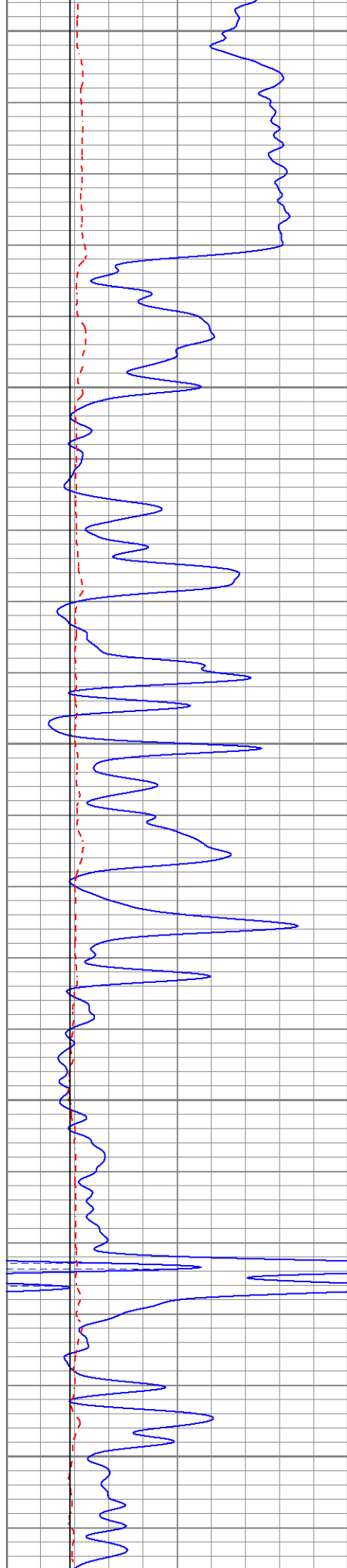
2900

2950

3000

3050





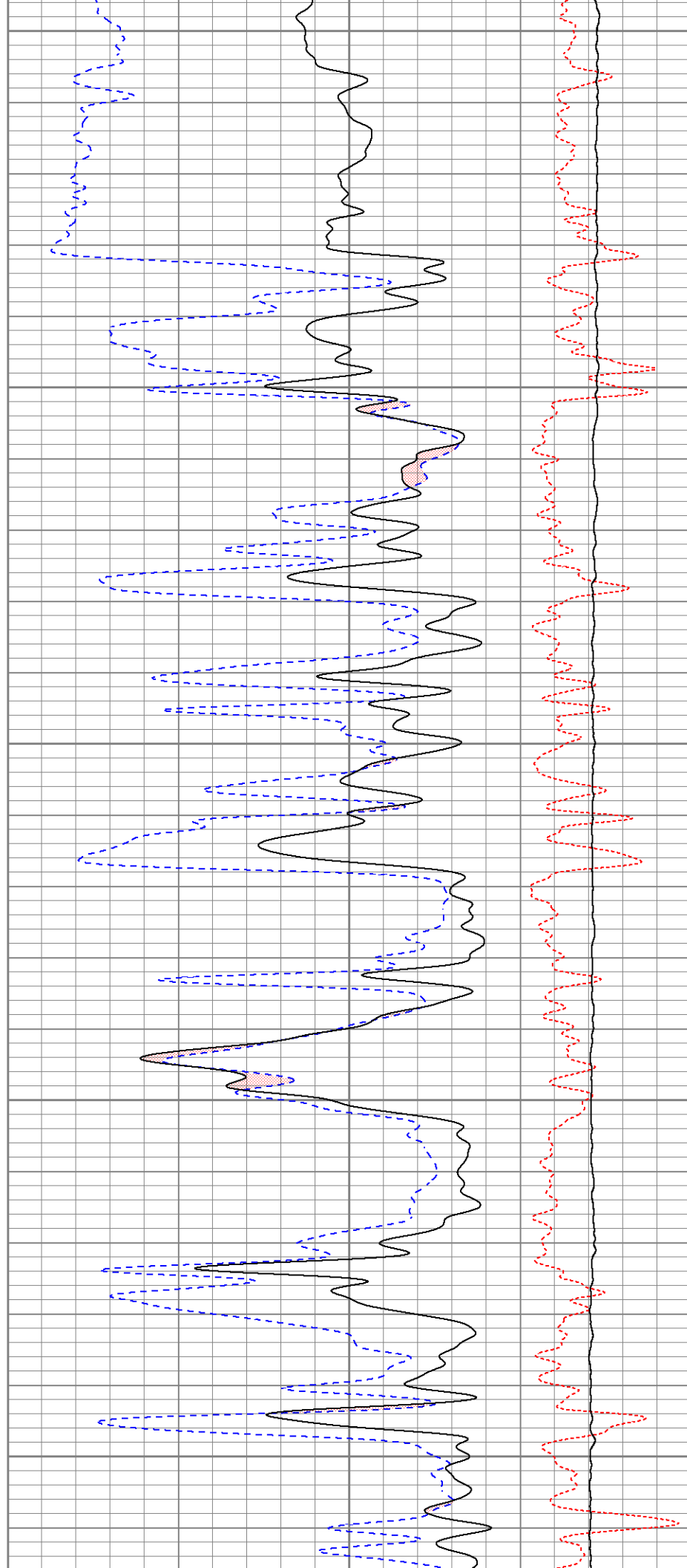
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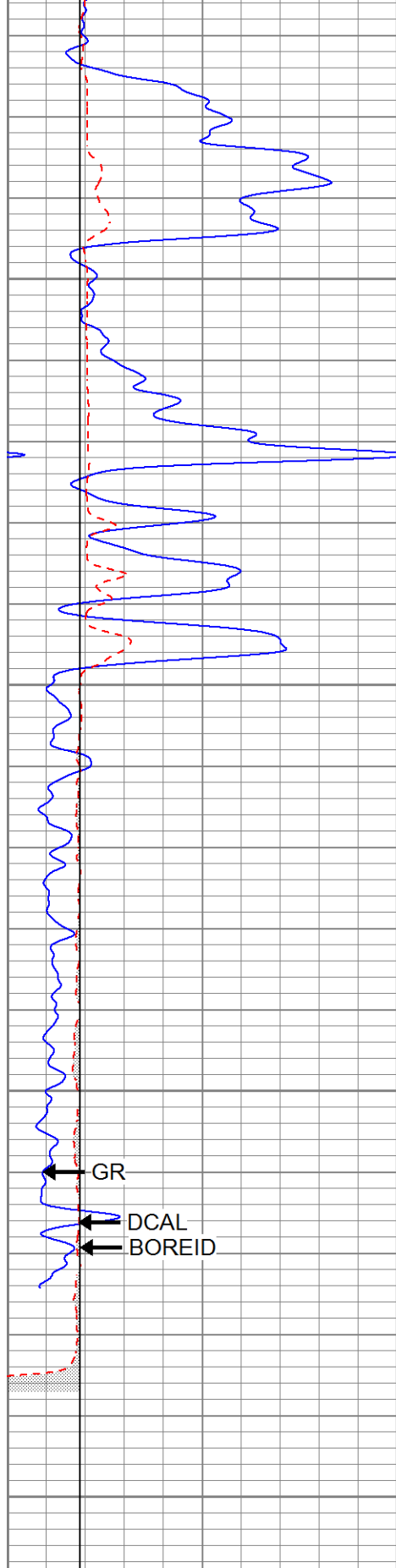
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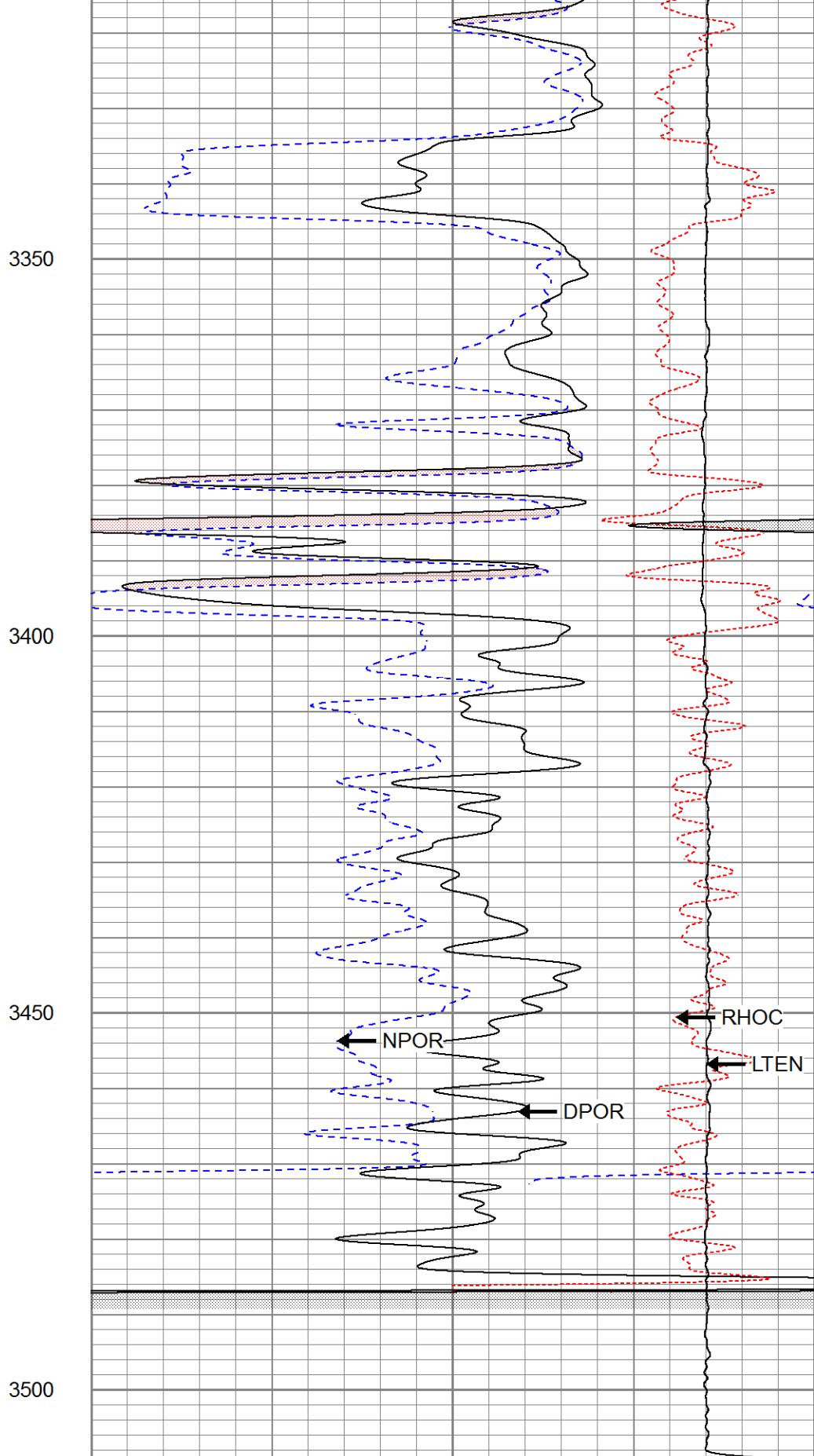
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3300





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



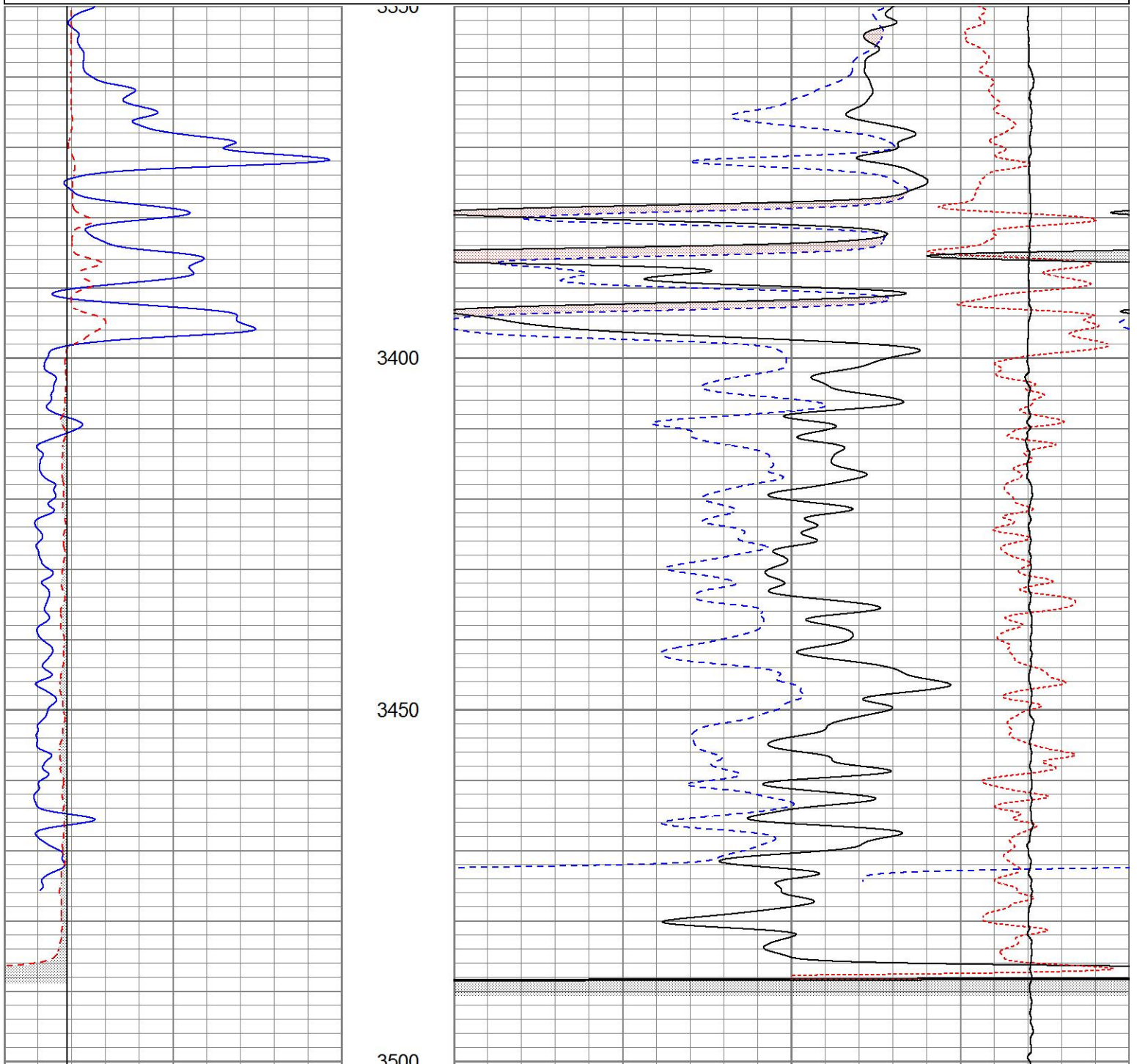
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
8000	LTEN (lb)	0
-0.25	RHOC (g/cc)	0.25



Repeat Pass

Database File ppwilborn#2oh.db
Dataset Pathname pass1
Presentation Format kcdnl
Dataset Creation Wed Feb 27 16:26:05 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
			8000	LTEN (lb)	0
				-0.25	RHOC (g/cc) 0.25



	Density			Far Detector	Near Detector	
Magnesium	1.750	g/cc		677.63	298.90	cps
Aluminum	2.620	g/cc		127.62	185.00	cps
Spine Angle = 73.97			Density/Spine Ratio = 0.501			
	Size			Reading		
Small Ring	8.25	in		5771.32		
Large Ring	14.00	in		10165.20		

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	

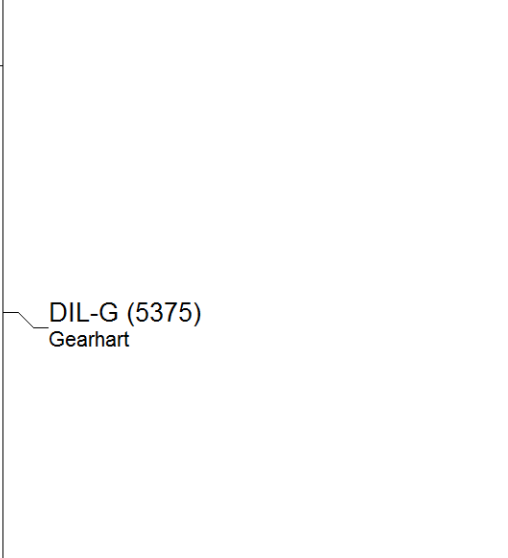
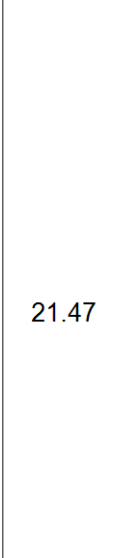
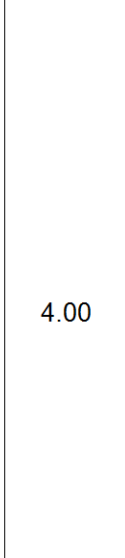
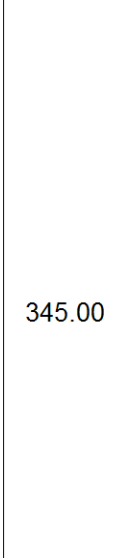
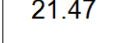
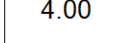
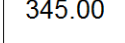
Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Sun Feb 17 16:51:47 2013	
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:	Mon Jan 14 13:46:03 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	37.96		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			DHT (2388DHT) 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							
CILD	10.60							
CILM	6.89							
RLL3	1.70							
Dataset: ppwilborn#2oh.db: field/well/run1/pass1 Total length: 40.49 ft Total weight: 676.00 lb O.D.: 4.00 in								

DIL-G (5375)
Gearhart