



**COMPENSATED DENSITY
NEUTRON
LOG**

Company American Oil LLC.
Well Beach A #2
Field Bemis-Shutts
County Ellis
State Kansas

Company American Oil LLC.
Well Beach A #2
Field Bemis-Shutts
County Ellis State Kansas

Location: 2278' FNL & 913' FEL
API #: 15 051 26917
SEC 21 TWP 11S RGE 17W
Permanent Datum Ground Level Elevation 1837'
Log Measured From KB 8' AGL
Drilling Measured From KB
Elevation
K.B. 1845'
D.F. 1844'
G.L. 1837'

Date	6-11-18		
Run Number	One		
Depth Driller	3440'		
Depth Logger	3441'		
Bottom Logged Interval	3419'		
Top Log Interval	2800'		
Casing Driller	8 5/8" @ 978'		
Casing Logger	978'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/48		
PH / Fluid Loss	10/8		
Source of Sample	Pit		
Rm @ Meas. Temp	1.0 @ 82 degf		
Rmf @ Meas. Temp	.8 @ 82 degf		
Rmc @ Meas. Temp	1.28 @ 82 degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.74 @ 111 degf		
Time Circulation Stopped	9:00 a.m		
Time Logger on Bottom	11:20 a.m		
Maximum Recorded Temperature	111 degf		
Equipment Number	T127		
Location	Hays, KS.		
Recorded By	Casey P.		
Witnessed By	Mr. Austin Klaus	Mr. Zach Patterson	

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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

North Hays on 183 Hwy to Saline River Rd., Then E 5.6 mi on Saline River Rd. to 310th Ave.,
Then South on 310th Ave approximately 1.6 mi. in Open Range, W into Location

Thanks for using Gemini Wireline LLC
785-625-1182



MAIN PASS

Database File aobeacha2oh.db
 Dataset Pathname Bemis-Shutts/Beach_A_#2/run1/pass2.1
 Presentation Format kcdnl
 Dataset Creation Mon Jun 11 12:17:24 2018
 Charted by Depth in Feet scaled 1:240

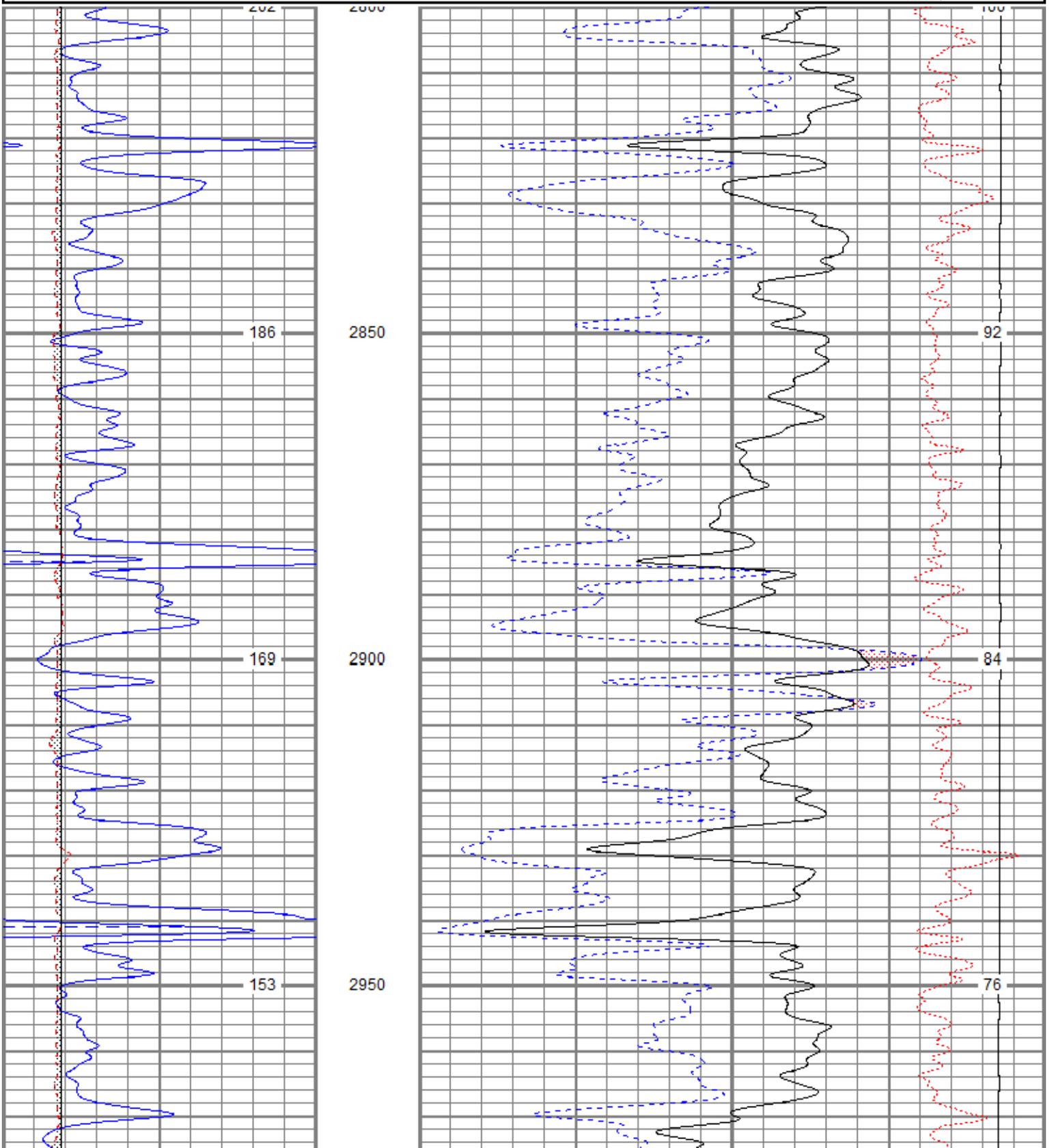
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
6	BOREID (in)	16

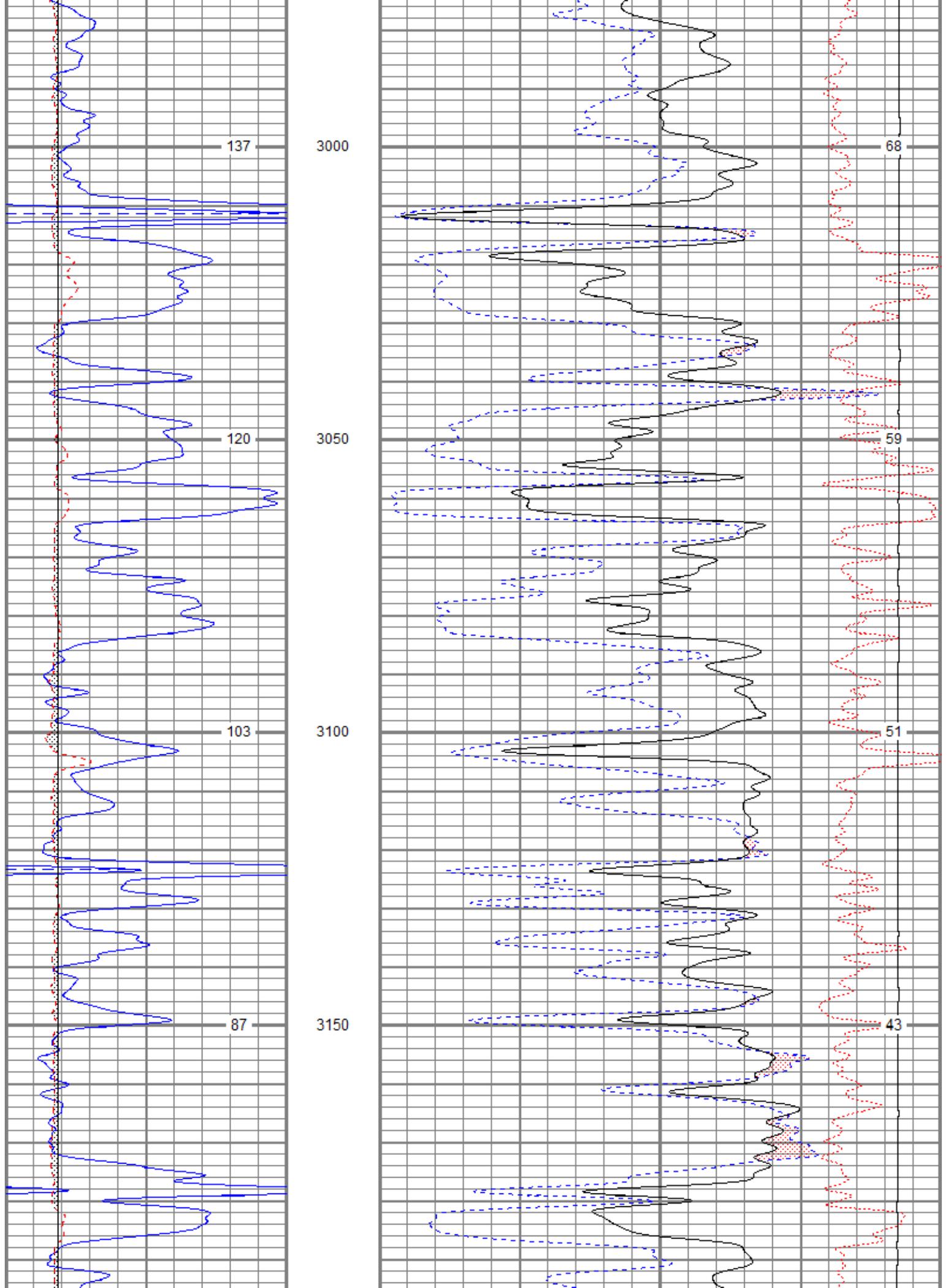
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30

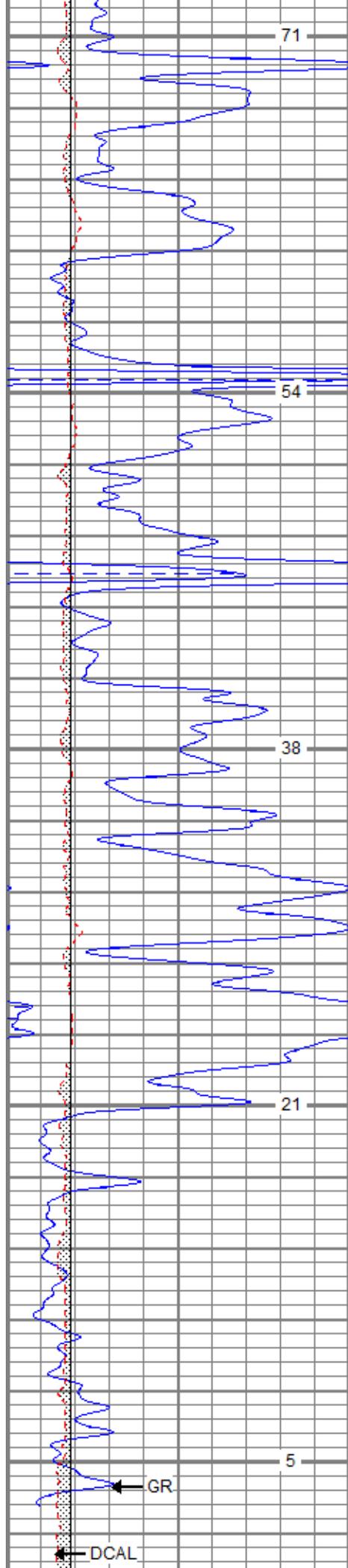
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

TBHV (ft3)

ABHV (ft3)







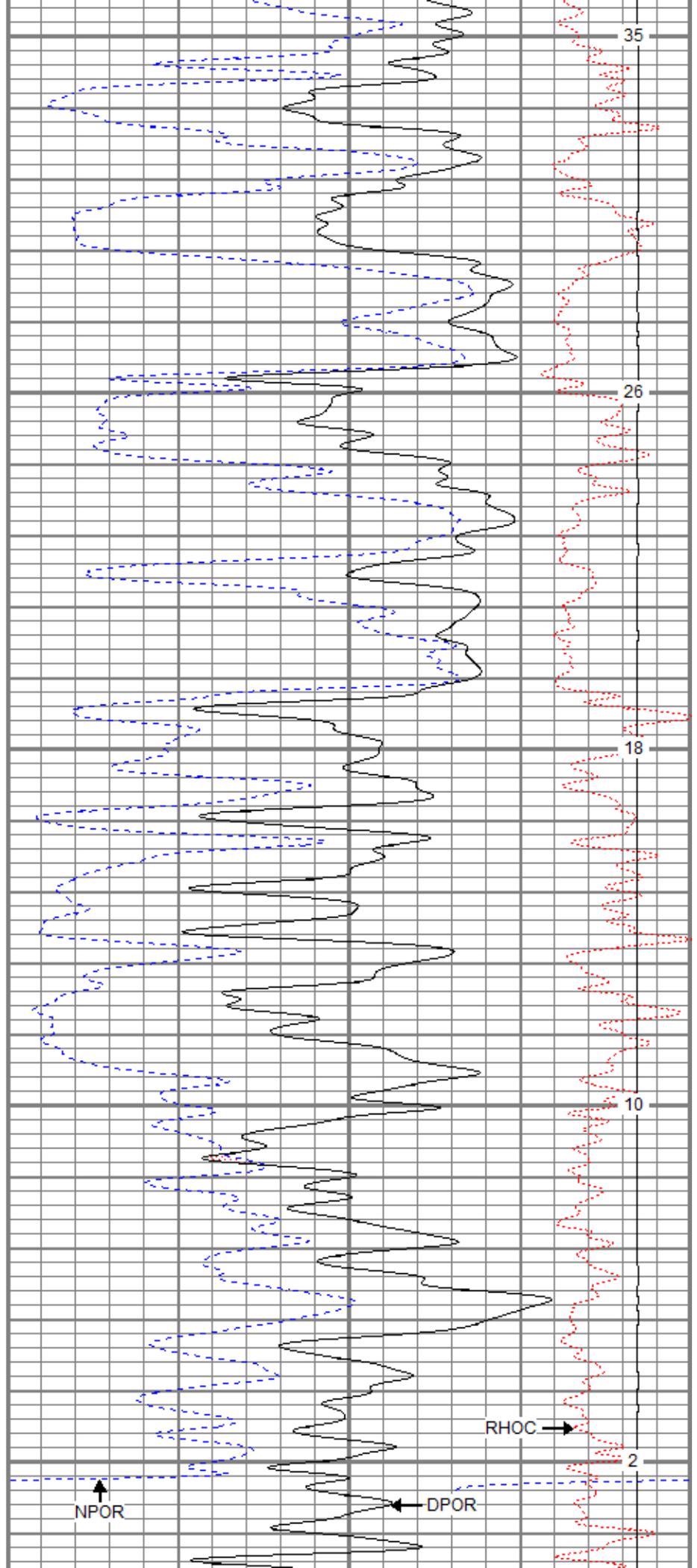
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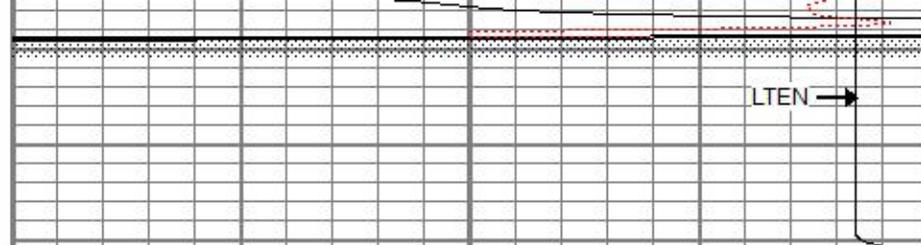
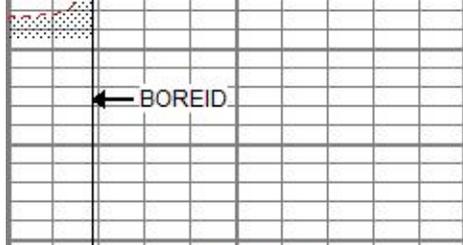
3250

3300

3350

3400





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

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

ABHV (ft3)



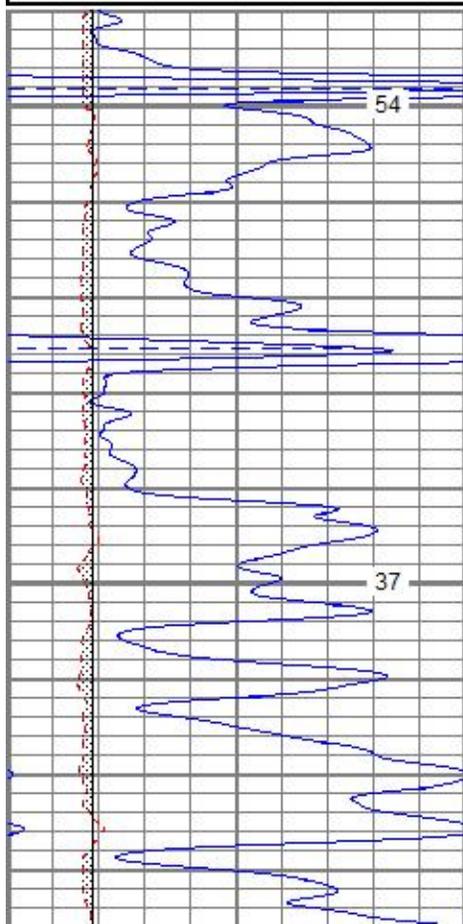
REPEAT SECTION

Database File aobeacha2oh.db
 Dataset Pathname Bemis-Shutts/Beach_A_#2/run1/pass1.1
 Presentation Format kcdnl
 Dataset Creation Mon Jun 11 12:02:20 2018
 Charted by Depth in Feet scaled 1:240

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

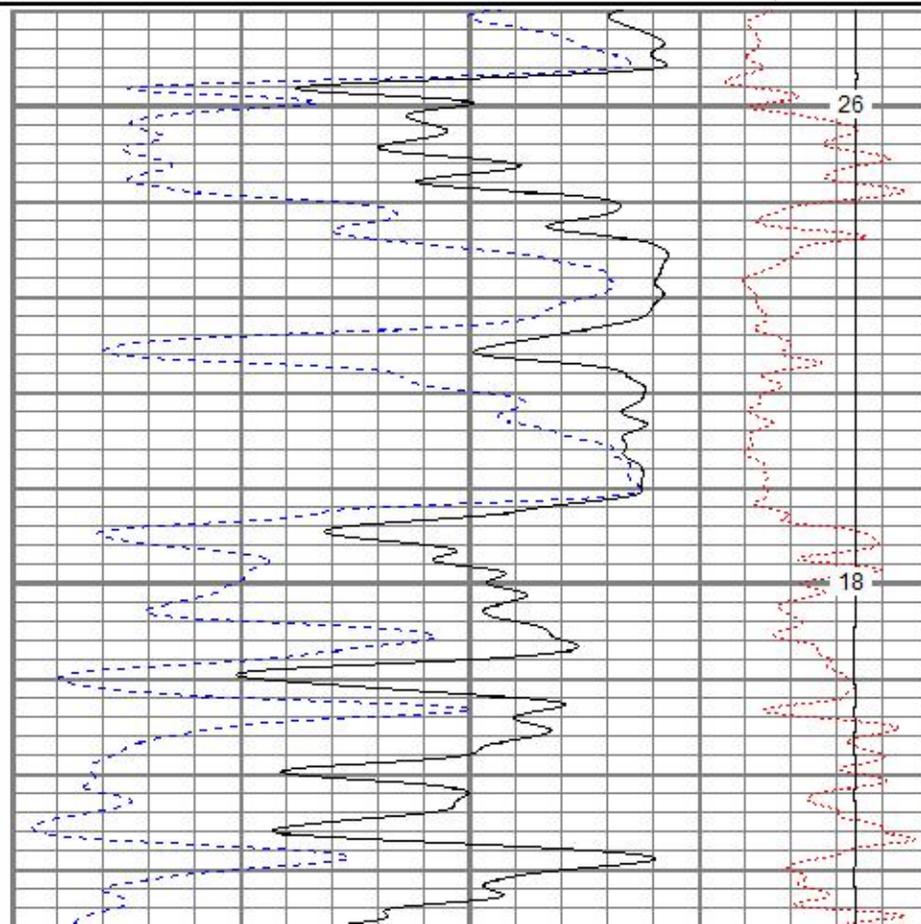
30	NPOR (pu)	-10
30	DPOR (pu)	-10
70	DPOR (pu)	30
-0.25	RHOC (g/cc)	0.25
8000	LTEN (lb)	0

ABHV (ft3)



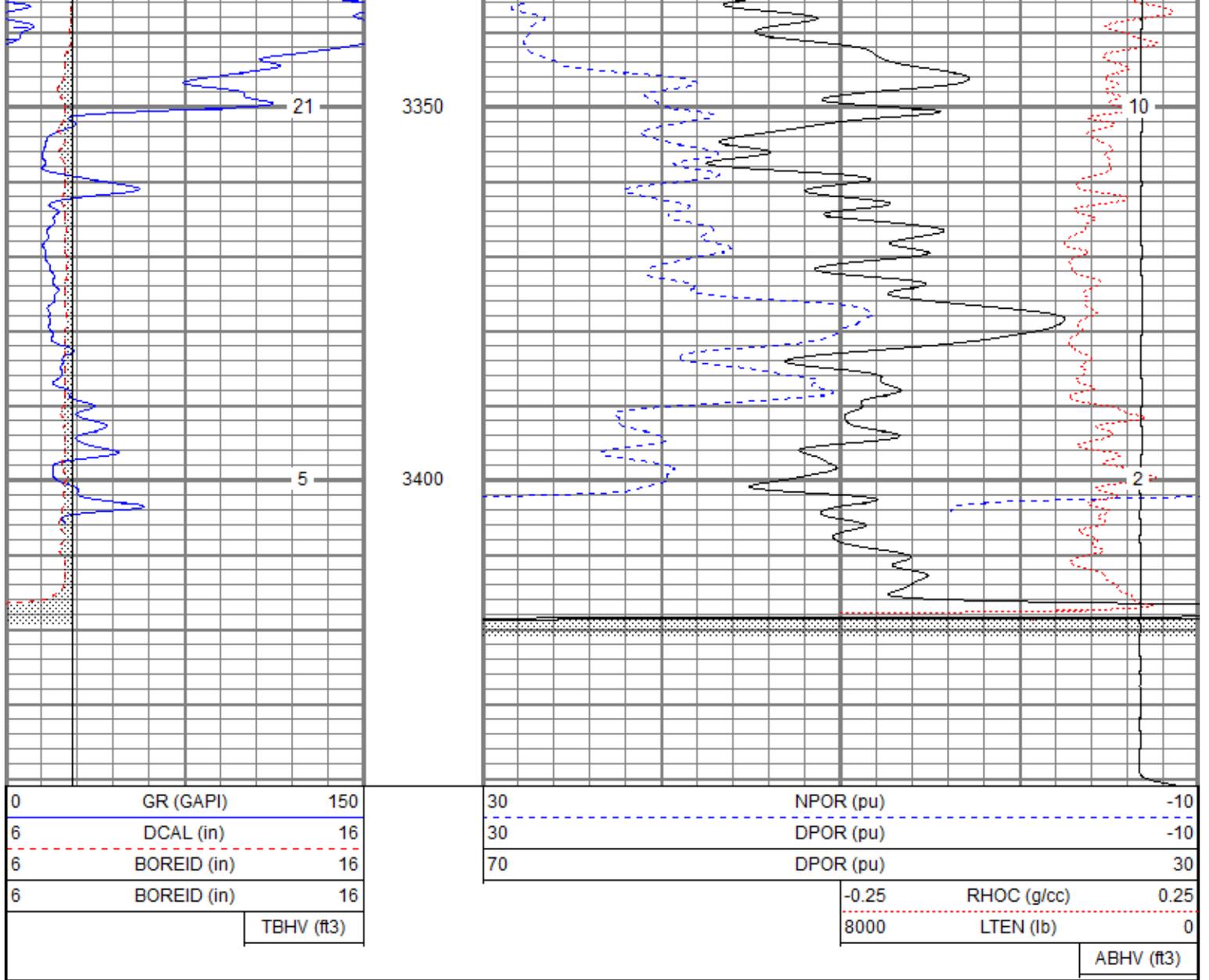
3250

3300



26

18



Calibration Report

Database File aobeacha2oh.db
 Dataset Pathname Bemis-Shutts/Beach_A_#2/run1/pass2.1
 Dataset Creation Mon Jun 11 12:17:24 2018

Dual Induction Calibration Report

Serial-Model: 5375-G
 Surface Cal Performed: Mon Jun 04 17:57:18 2018
 Downhole Cal Performed: Mon Jun 04 17:57:18 2018
 After Survey Verification Performed: Mon Jun 04 17:57:18 2018

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop	V		Air	Loop	m	b
Deep	-0.002	0.655	V	0.000	350.000	mmho/m	532.190	1.293
Medium	0.011	0.730	V	0.000	400.000	mmho/m	555.870	-5.985
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.002	0.654	V	0.000	350.000	mmho/m	532.823	1.314
Medium	0.011	0.731	V	0.000	550.000	mmho/m	763.357	-8.251

Downhole Calibration

Internal:	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.000	mmho/m	-0.019	349.565	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.024	400.529	mmho/m	1.000	0.000
Shallow	2.433	0.017	V	500.000	2.000	Ohm-m	180.067	-0.524

After Survey Verification								
Internal:	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
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 Jun 04 16:58:12 2018
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration						
	Density		Far Detector	Near Detector		
Magnesium	1.750	g/cc	711.36	284.22	cps	
Aluminum	2.640	g/cc	133.07	180.42	cps	
Spine Angle = 74.83			Density/Spine Ratio = 0.512			
	Size		Reading			
Small Ring	7.55	in	8572.55			
Large Ring	14.00	in	11285.70			

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	

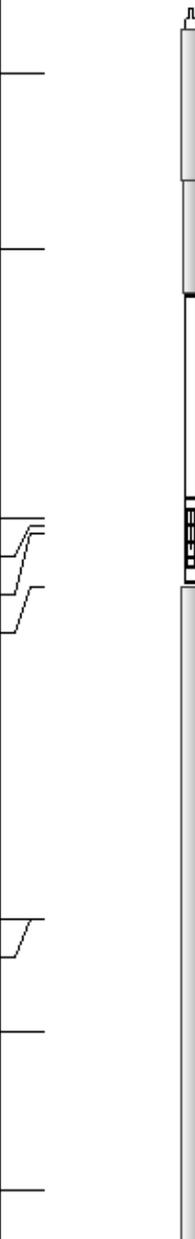
Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Sun May 06 10:04:13 2018	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps

Neutron Calibration Report

Serial Number:	5108
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Tool Model: PROBE
 Performed: Sun Feb 19 03:21:57 2017
 Calibrator Value: 1 NAPI
 Calibrator Reading: 1 cps
 Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
			CHD-None	0.75	1.50	5.00	
NEU	38.37		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						
SP	10.60			DIL-G (5375) Gearhart	21.47	4.00	345.00
CILD	10.60						
CILM	6.89						
RLL3	1.70						

Dataset: aobeacha2oh.db: Bemis-Shutts/Beach_A_#2/run1/pass2.1
 Total length: 40.49 ft
 Total weight: 676.00 lb
 O.D.: 4.00 in