



**COMPENSATED DENSITY
NEUTRON
LOG**

Company American Oil LLC.

Well Bradley Unit #1 OWWO

Field Bloomer

County Barton State Kansas

Location: 660' FNL & 2640' FEL

SEC 36 TWP 17S RGE 11W

Permanent Datum Ground Level Elevation 1820'

Log Measured From KB 8' AGL

Drilling Measured From KB

DIL

Other Services

Elevation

K.B. 1828'

D.F. 1827'

G.L. 1820'

Date	8-18-18		
Run Number	Two		
Depth Driller	3340'		
Depth Logger	3342'		
Bottom Logged Interval	3320'		
Top Log Interval	2600'		
Casing Driller	8 5/8" @ 346'		
Casing Logger	346'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.1/57		
PH / Fluid Loss	8.8/10.6		
Source of Sample	Pit		
Rm @ Meas. Temp	0.7 @ 82degf		
Rmf @ Meas. Temp	0.56 @ 82degf		
Rmc @ Meas. Temp	0.9 @ 82degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	0.53 @ 108degf		
Time Circulation Stopped	12:00 a.m		
Time Logger on Bottom	3:45 a.m		
Maximum Recorded Temperature	108degf		
Equipment Number	T-127		
Location	Hays, KS.		
Recorded By	C.Patterson		
Witnessed By			

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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

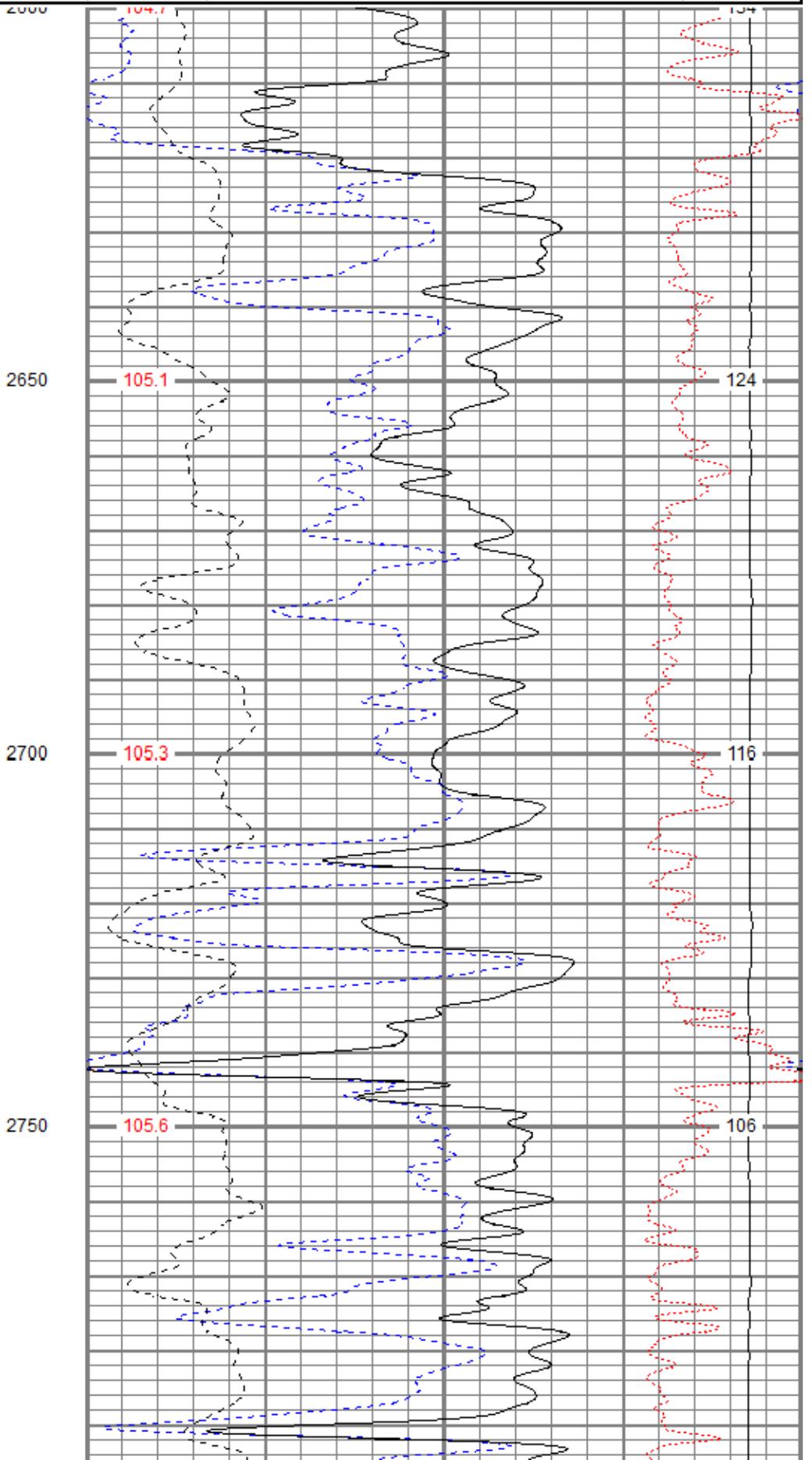
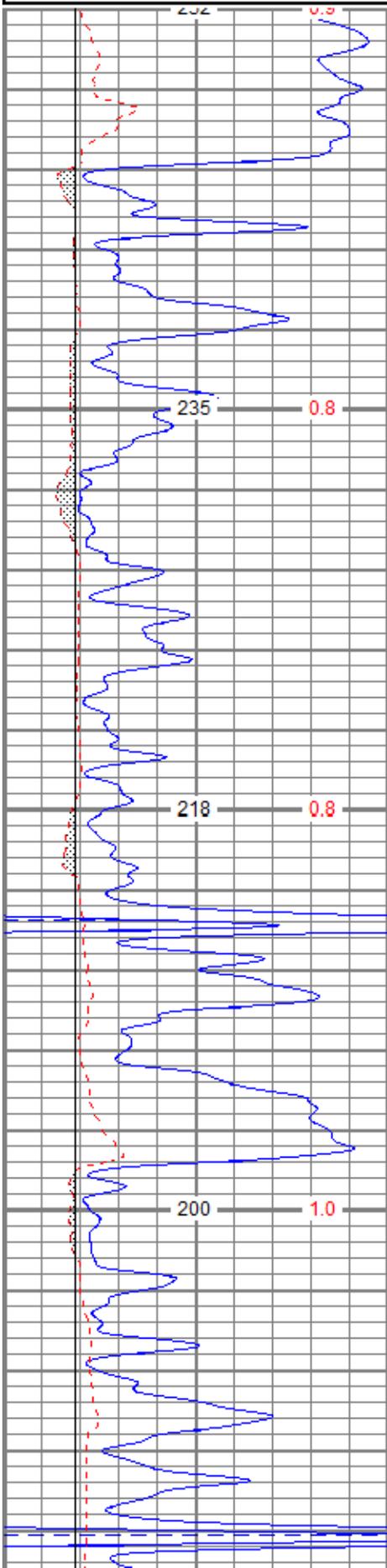
**East of Claflin ,KS to Hwy 156, Then North on Hwy 156 3/4 mi.
East into Location**

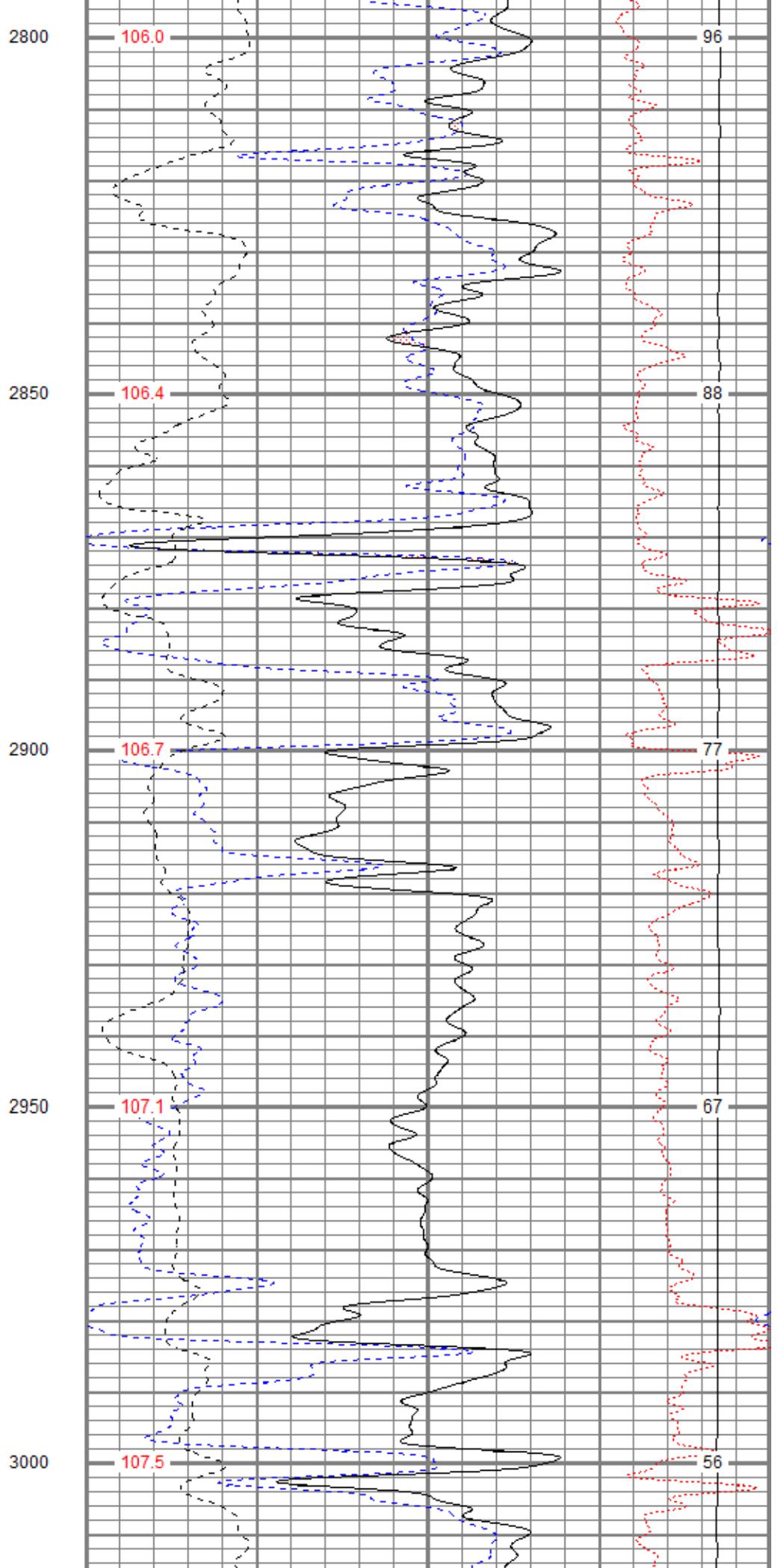
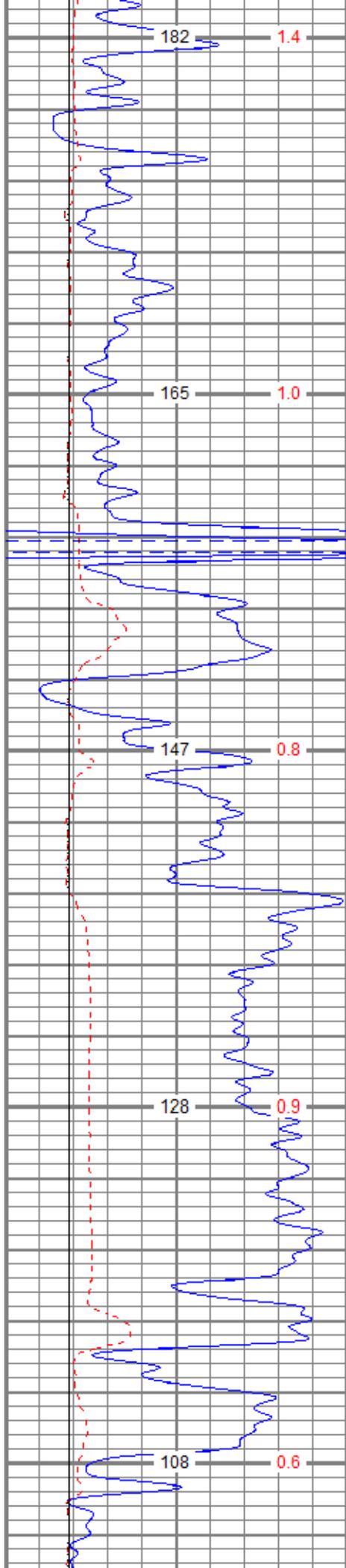
**Thanks for using Gemini Wireline LLC
785-625-1182**

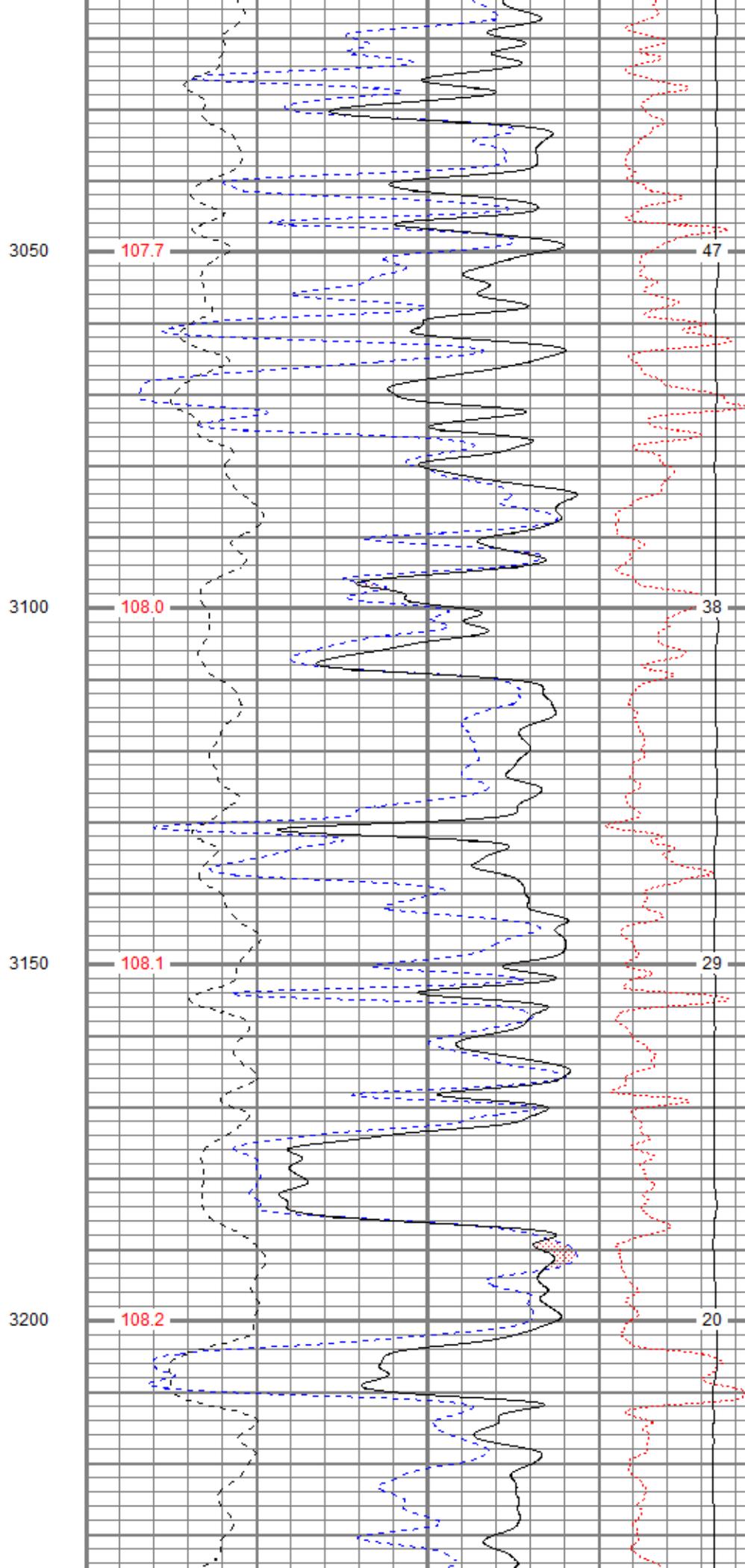
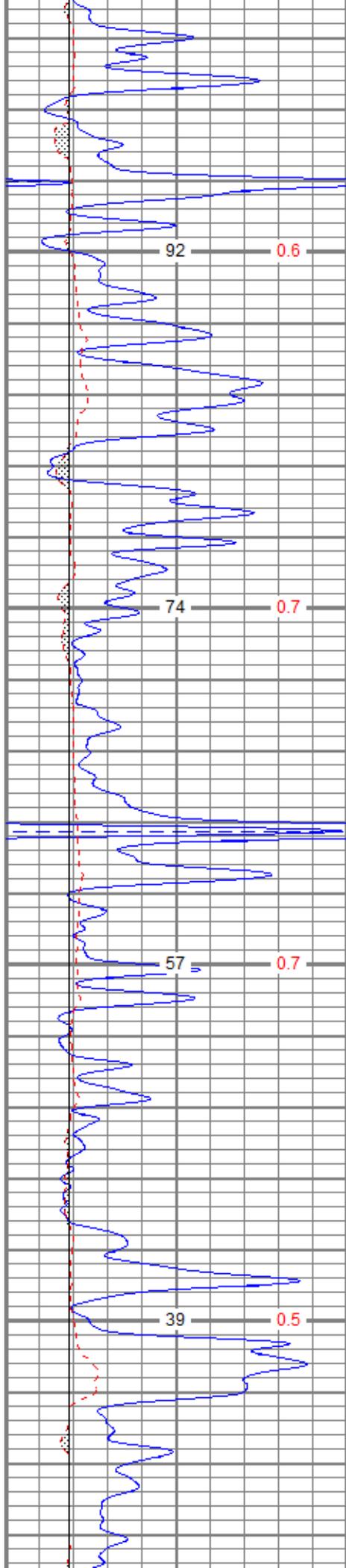
Database File	aobradleyunit#1owwo.db
Dataset Pathname	pass5.1
Presentation Format	digital_kcdnl
Dataset Creation	Sat Aug 18 04:56:18 2018
Charted by	Depth in Feet scaled 1:240

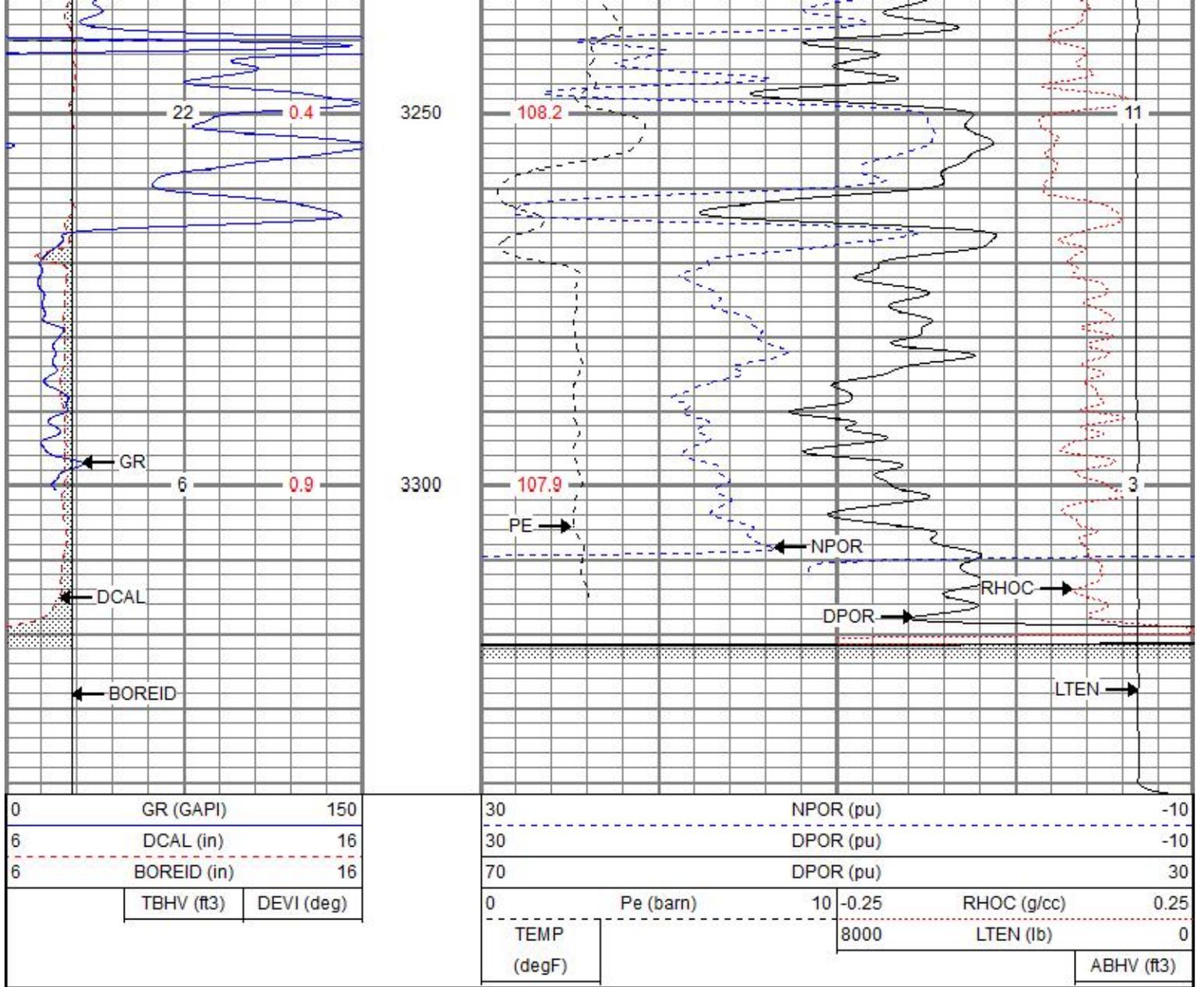
	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	
	DEVI (deg)	

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







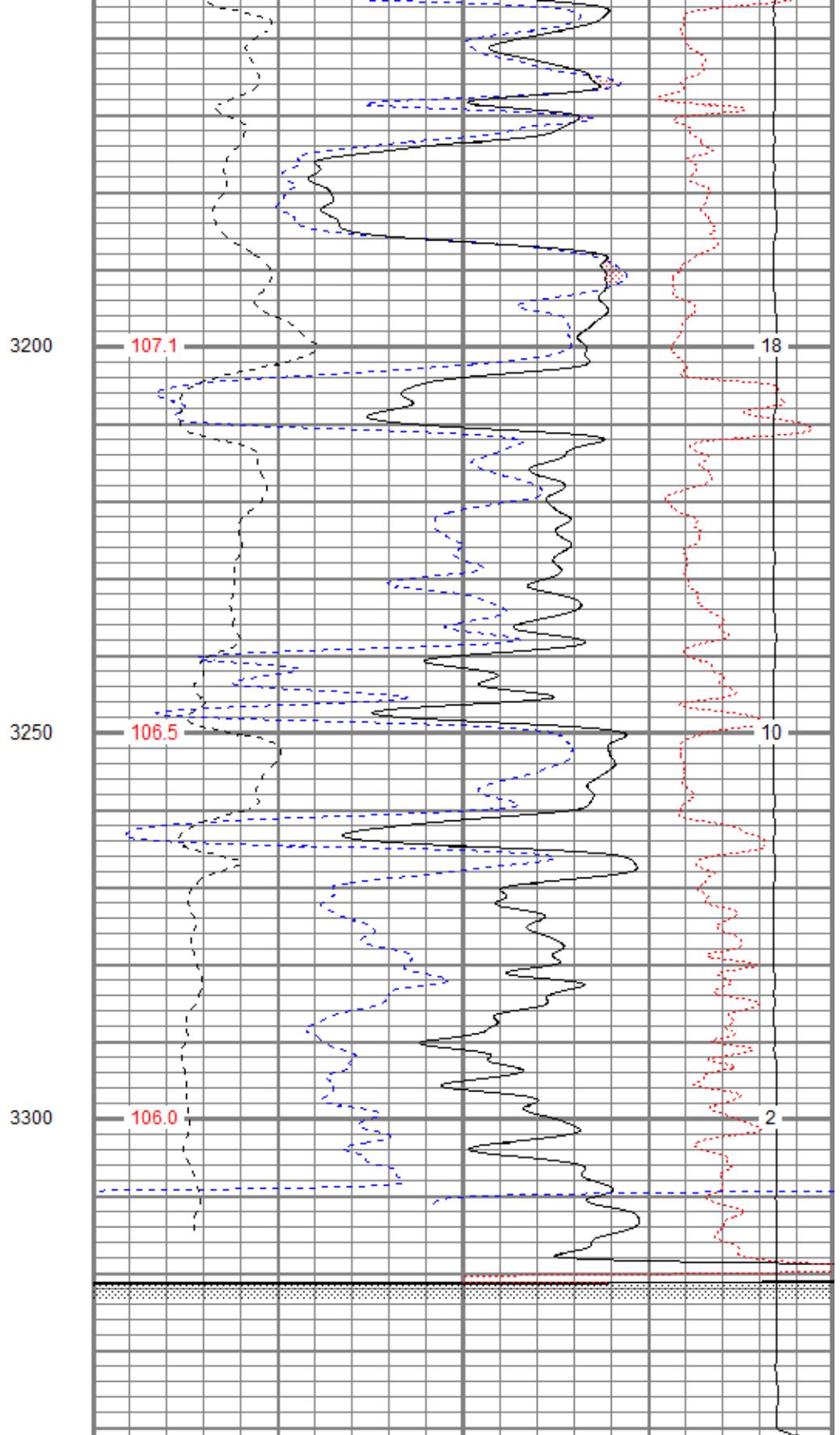
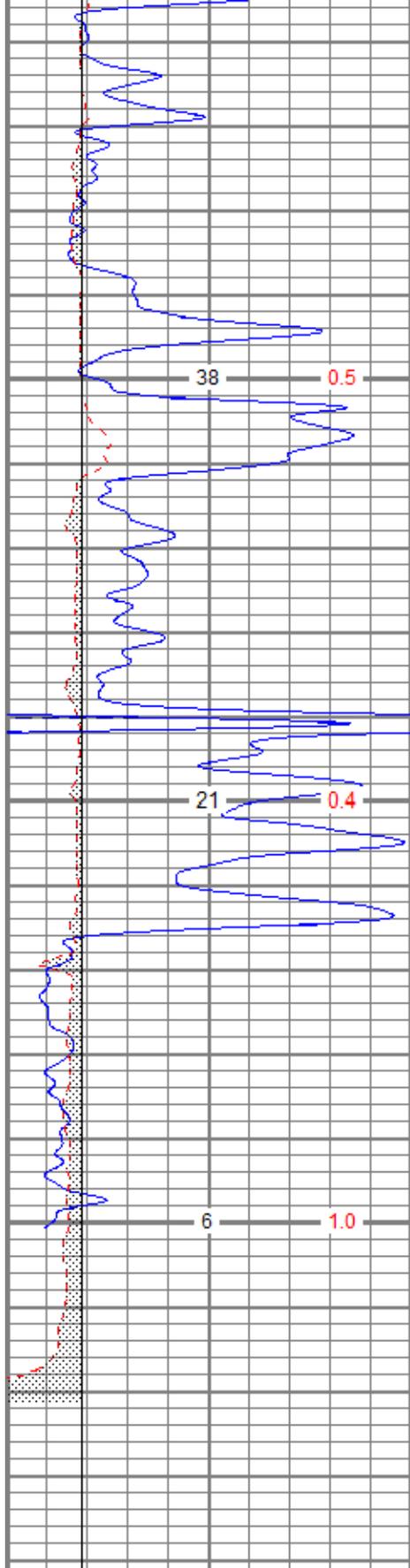


REPEAT SECTION

Database File aobradleyunit#1owwo.db
 Dataset Pathname pass4.2
 Presentation Format digital_kcdnl
 Dataset Creation Sat Aug 18 04:53:56 2018
 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)	DEVI (deg)	0	Pe (barn)	10 -0.25
				TEMP (degF)	8000
				RHOC (g/cc)	0.25
				LTEN (lb)	0
				ABHV (ft3)	





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

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

Calibration Report

Database File aobradleyunit#1owwo.db
 Dataset Pathname pass5.1
 Dataset Creation Sat Aug 18 04:56:18 2018

Dual Induction Calibration Report

Serial-Model: 1989-ADM
 Surface Cal Performed: Wed Jun 06 19:34:10 2018
 Downhole Cal Performed: Wed Jun 06 19:34:10 2018
 After Survey Verification Performed: Wed Jun 06 19:34:10 2018

Surface Calibration

Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.012	0.665	V	0.000	350.000	mmho/m	516.748	6.134
Medium	-0.013	0.752	V	0.000	400.000	mmho/m	522.482	6.987
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.011	0.668	V	0.000	350.000	mmho/m	515.730	5.704
Medium	-0.015	0.752	V	0.000	550.000	mmho/m	716.653	10.787

Downhole Calibration

Readings			References				Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	0.000	mmho/m	0.419	351.110	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-0.877	400.105	mmho/m	1.000	0.000
Shallow	2.502	0.040	V	500.000	2.000	Ohm-m	190.000	-2.126

After Survey Verification

Readings			Targets				Results	
Internal:	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

Neutron Calibration Report

Serial Number: 2017
 Tool Model: lithogearhart
 Performed: (Not Performed)

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Temperature Calibration Report

Serial Number: WithOutMC
 Tool Model: WOMC
 Performed: (Not Performed)

	Reference	Reading
Low Reference:	0.00 degF	0.00 degF
High Reference:	1.00 degF	1.00 degF
Gain:	1.00	
Offset:	0.00	
Delta Spacing	1	

Inclinometer Calibration Report

Performed:	Wed Dec 06 22:31:06 2017				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Gamma Ray Calibration Report

Serial Number:	WithOutMC		
Tool Model:	WOMC		
Performed:	Wed Dec 06 22:30:58 2017		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	1.0000	GAPI/cps	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	38.31		CHD-STD	0.50	1.69	1.00
ACCY	37.15		ADT-WOMC (WithOutMC) Telemetry Without Mud Cell	4.58	3.50	120.00
ACCX	37.15			NEU-lithogearhart (2017)	5.65	3.50
SSTAT	36.73					
PSTAT	35.90					
ASTAT	35.90					
GRD	35.06					
TEMP	35.06		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
NEU	31.70					
LStat	22.54					
LS8	21.88					
LS7	21.88					
LS6	21.88					
LS5	21.88					
LS4	21.88					
LS3	21.88					
LS2	21.88					
LS1	21.88		DIL-ADM (1989) Dual Induction	19.71	4.00	300.00
LSV	21.88					
LSD	21.86					
SSV	21.67					
SS8	21.67					
SS7	21.67					
SS6	21.67					
SS5	21.67					
SS4	21.67					
SS3	21.67					
SS2	21.67					
SS1	21.67					
DCAL	21.61					

SSD	21.27					
SP	10.60					
CILD	10.60					
CILM	6.89		Dataset:	aobradleyunit#1owwo.db: field/well/run1/pass5.1		
RLL3	1.70		Total length:	39.73 ft		
TR_Mon	0.00		Total weight:	746.00 lb		
			O.D.:	4.00 in		