



LITHO DENSITY
NEUTRON
LOG

Company Palomino Petroleum
Well Johnson-Byrd-White Unit #1
Field Wildcat
County Ness
State Kansas

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Well Johnson-Byrd-White Unit #1
Field Wildcat
County Ness State Kansas

Location: 1800' FNL & 2488' FEL
API #: 15 135 25991
SEC 7 TWP 19S RGE 25W
Permanent Datum Ground Level Elevation 2582'
Log Measured From KB 5' AGL
Drilling Measured From KB
Elevation
Other Services
DIL
ML
K.B. 2587'
D.F. 2586'
G.L. 2582'

Date	3-01-18
Run Number	One
Depth Driller	4700'
Depth Logger	4700'
Bottom Logged Interval	4678'
Top Log Interval	3600'
Casing Driller	218'
Casing Logger	218'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.2/60+
PH / Fluid Loss	10.5/6.4
Source of Sample	Pit
Rm @ Meas. Temp	0.70@90degf
Rmf @ Meas. Temp	0.56@90degf
Rmc @ Meas. Temp	0.90@90degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	0.58@109degf
Time Circulation Stopped	2:00 p.m
Time Logger on Bottom	4:20 p.m
Maximum Recorded Temperature	109degf
Equipment Number	T127
Location	Hays, KS
Recorded By	C.Patterson
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

Beeler, KS Go South on C Rd. (east side of Beeler) to 100 Rd. (Aprox 3 to 4 mi)
Then go East on 100 Rd. to Cattle Guard, Go Right After Cattle Guard & Follow trail to location
(south to east and then north into)

Thanks for using Gemini Wireline LLC
785-625-1182

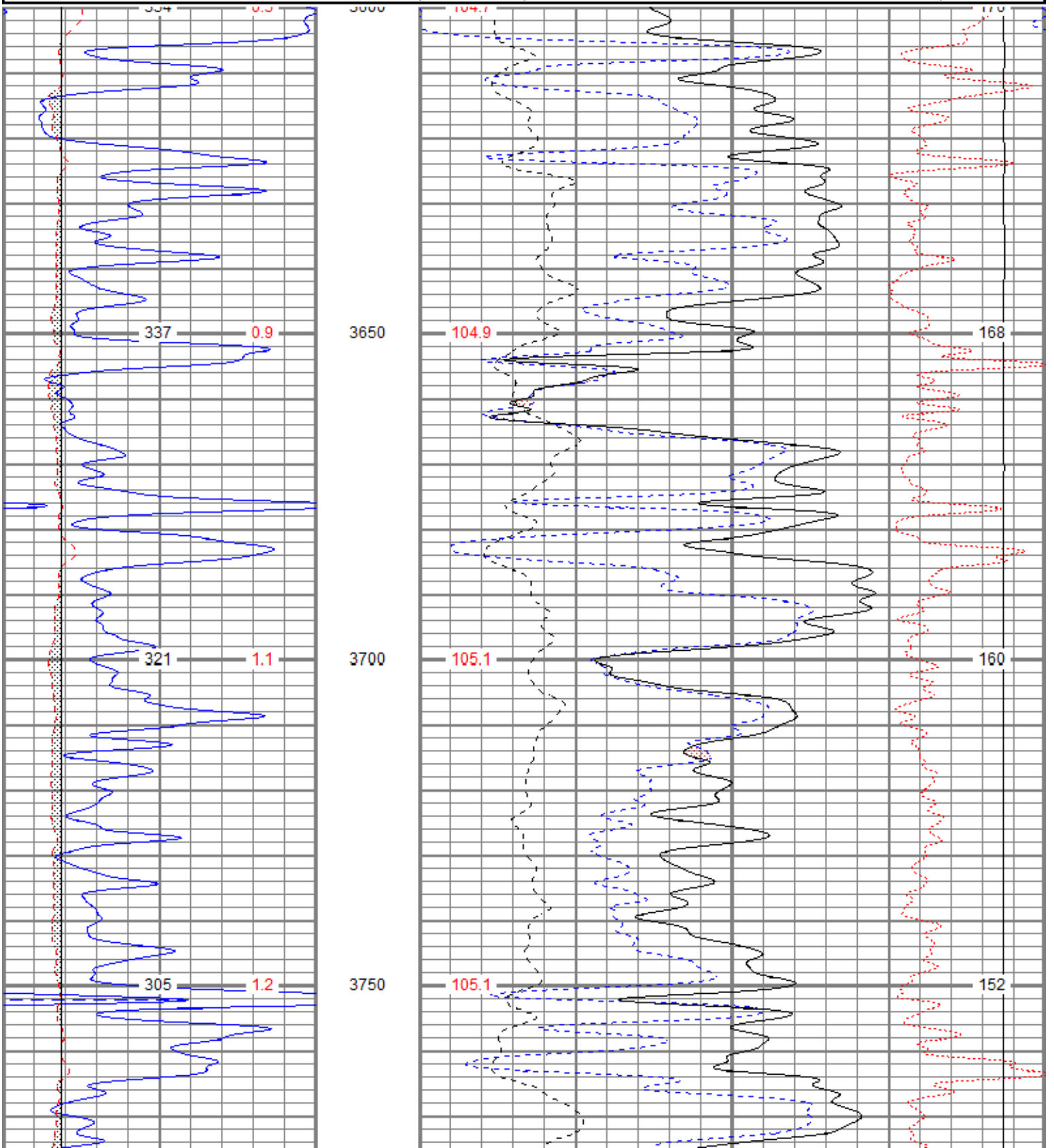


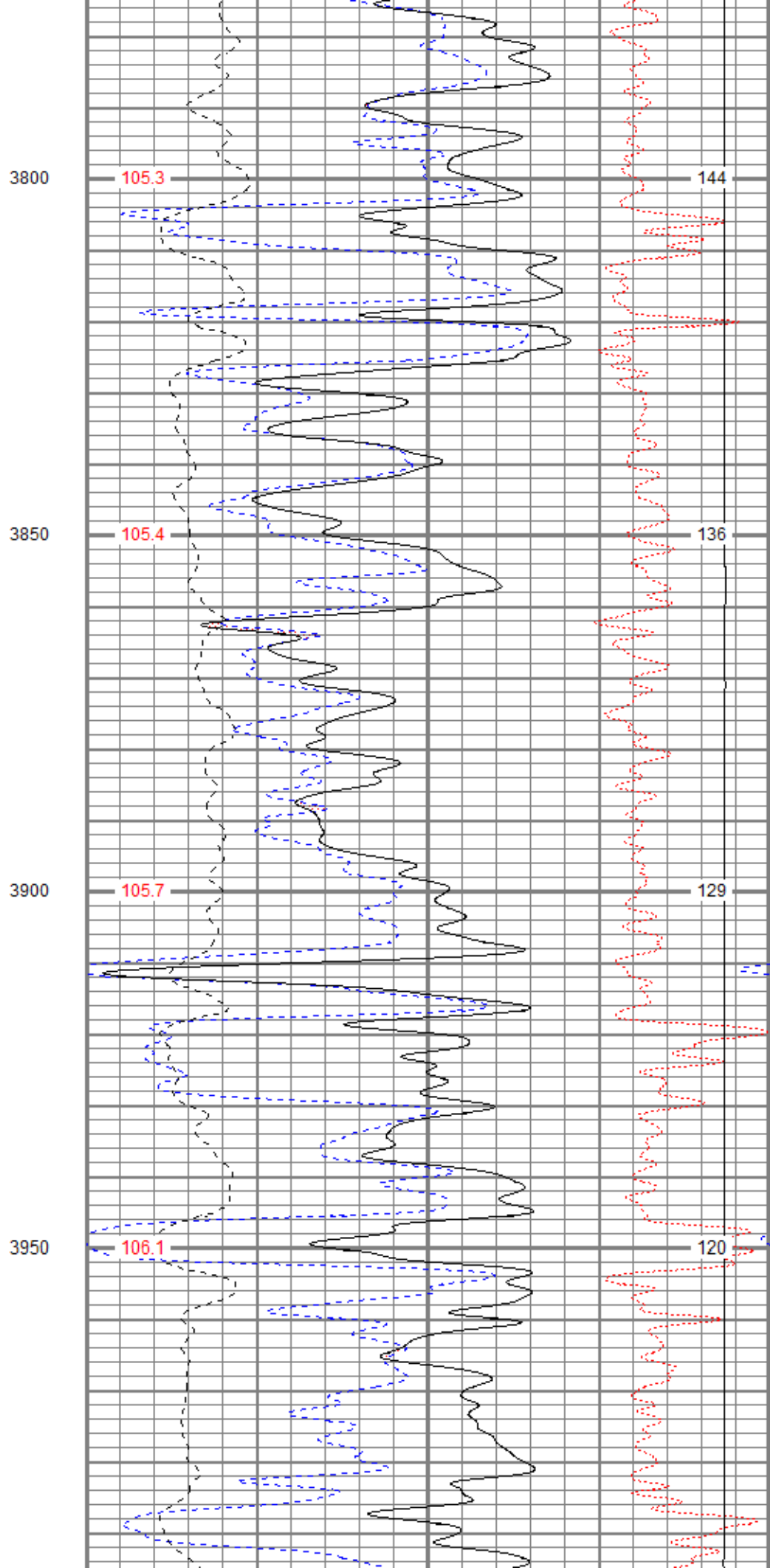
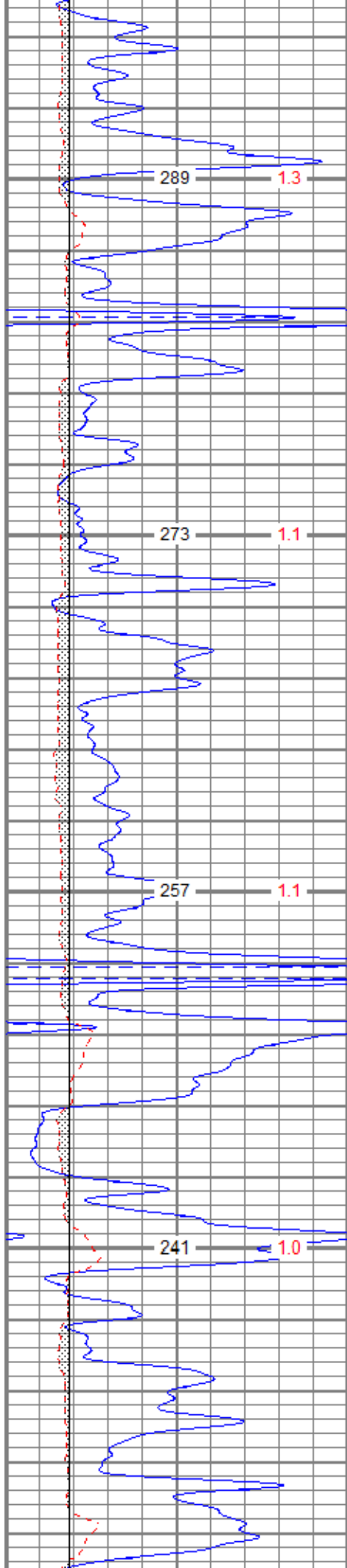
MAIN PASS

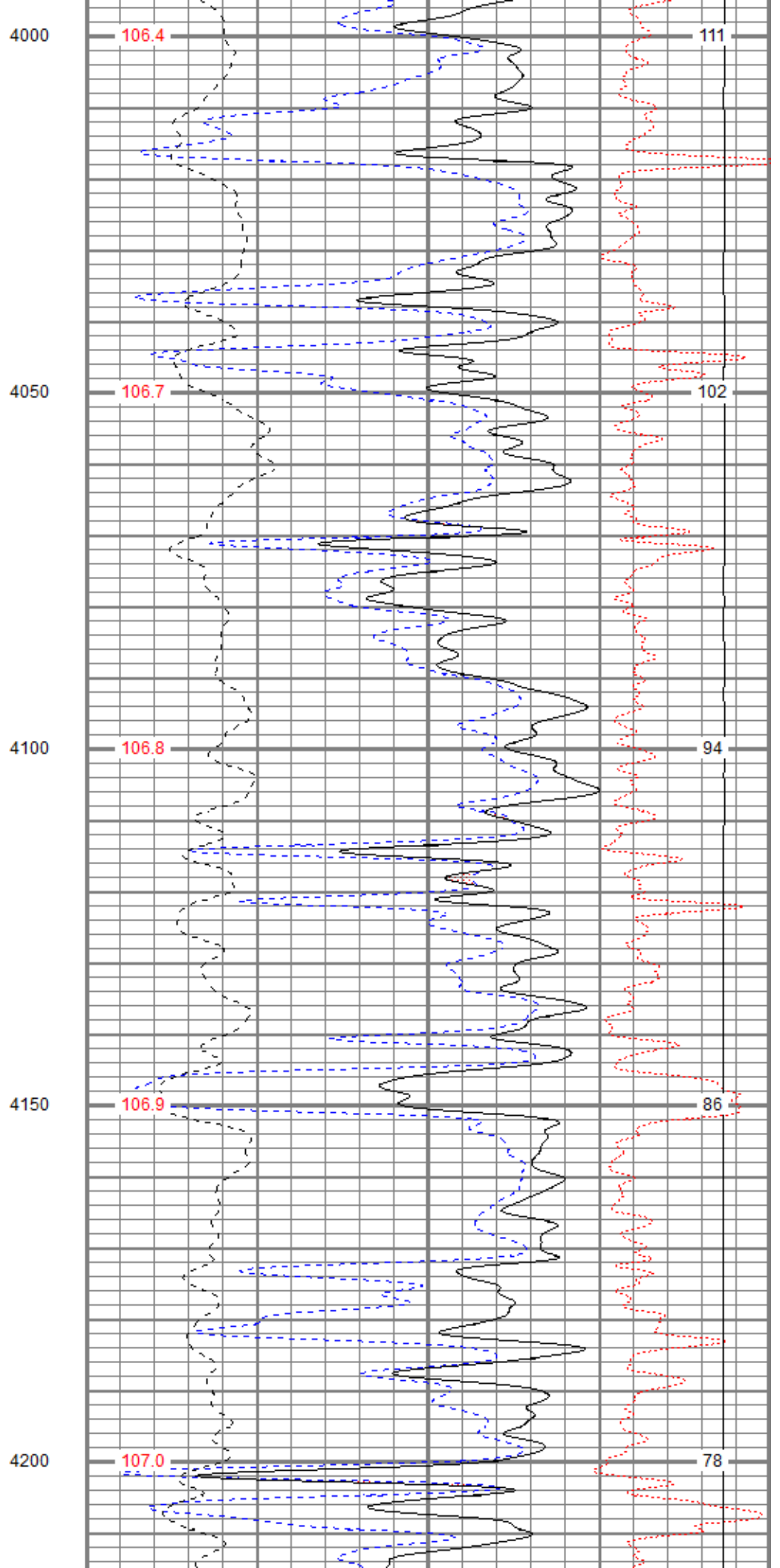
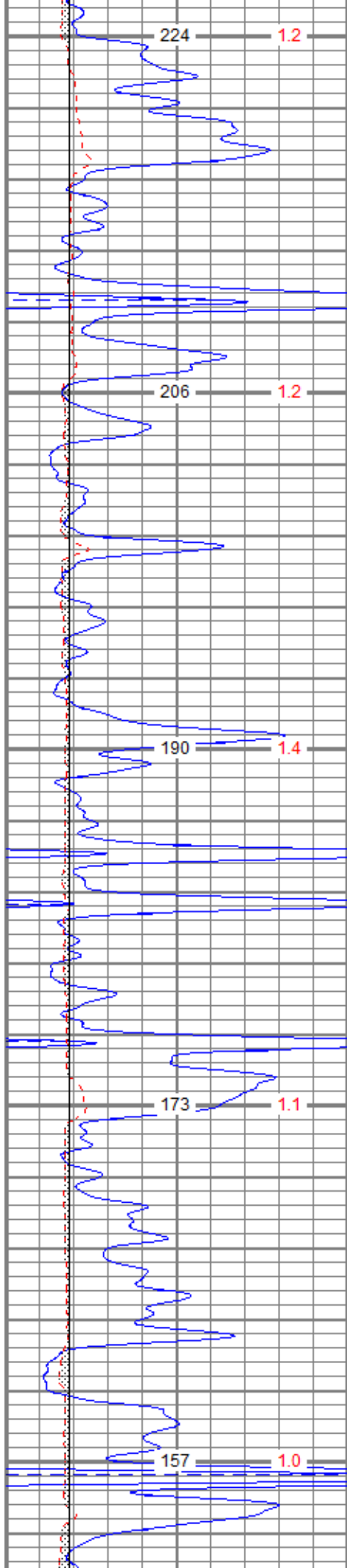
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 Presentation Format digital_kcdnl
 Dataset Creation Thu Mar 01 17:42:47 2018
 Charted by Depth in Feet scaled 1:240

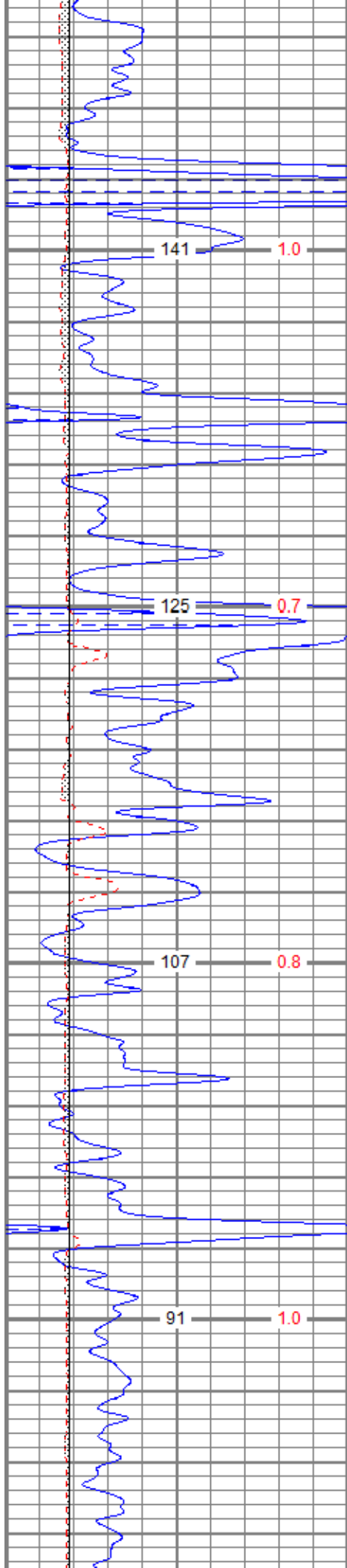
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6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

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)

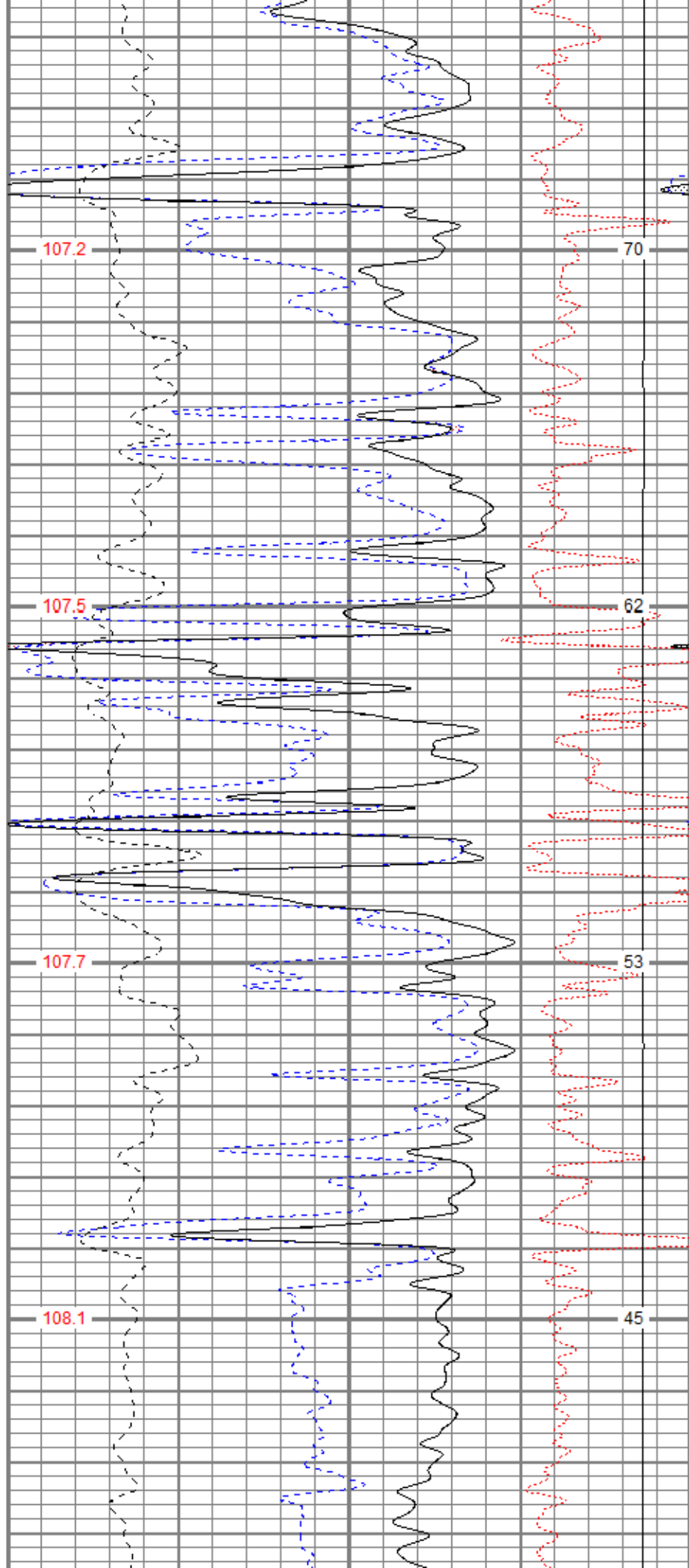








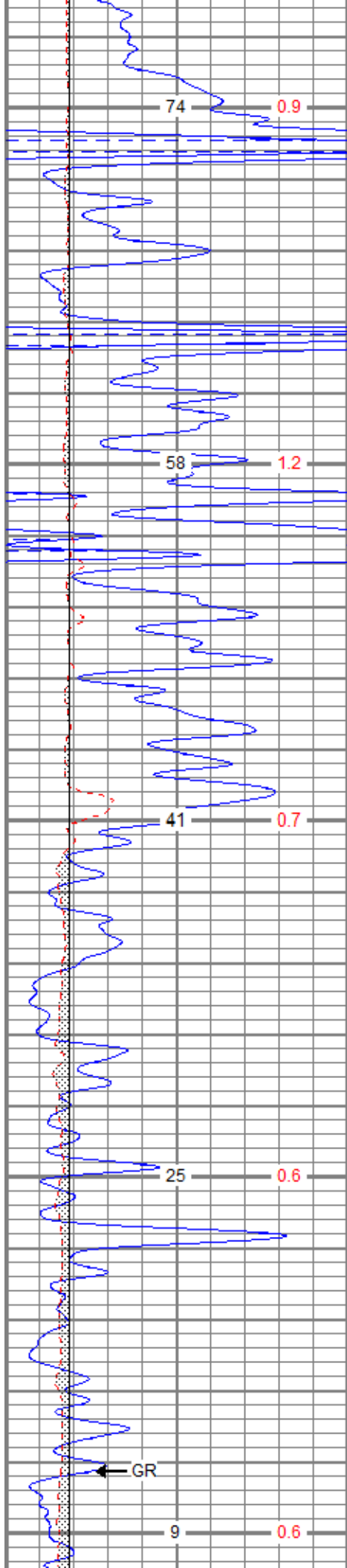
4250



4300

4350

4400



4450

108.5

36

4500

108.8

28

4550

108.9

19

4600

108.5

12

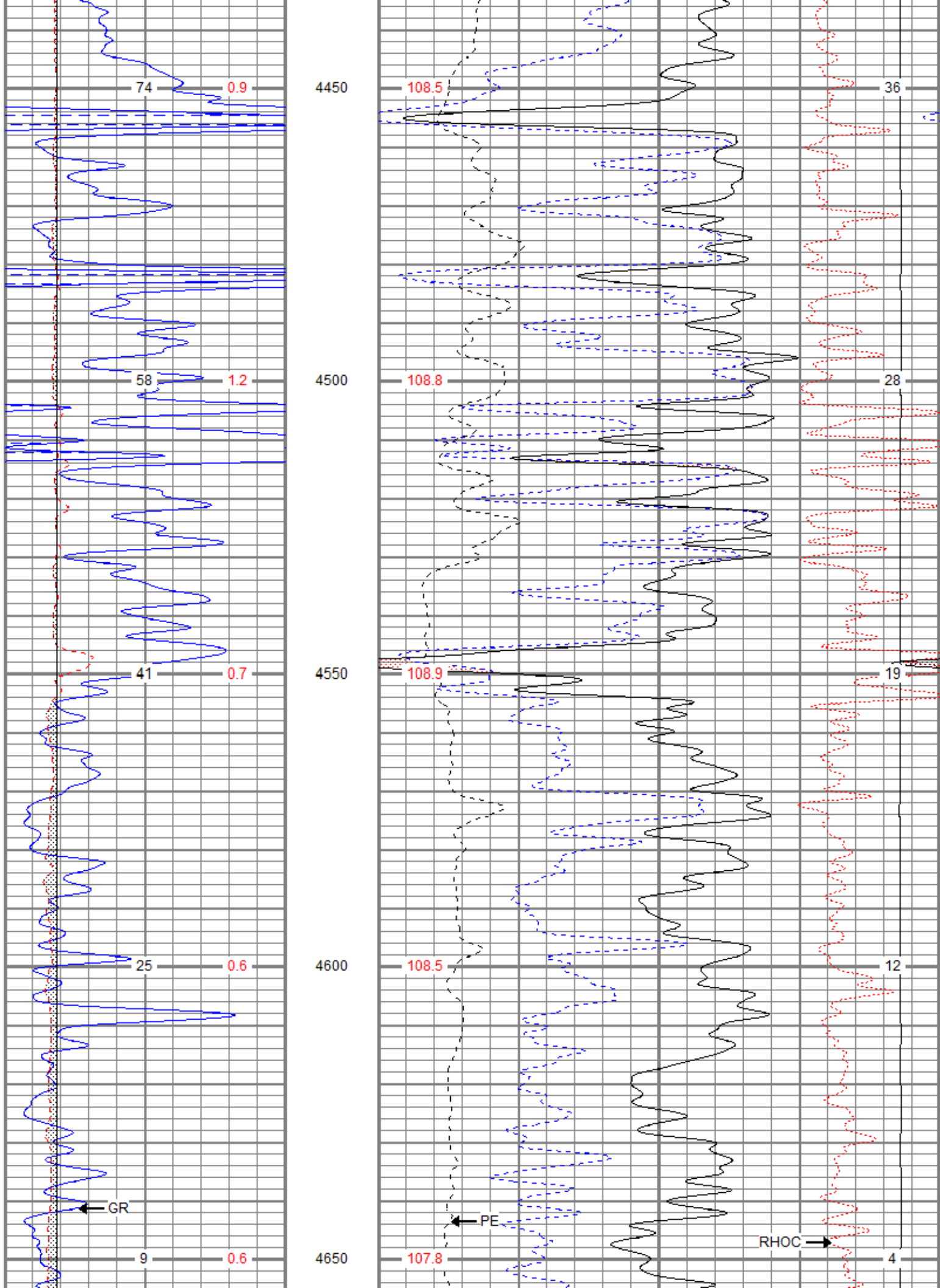
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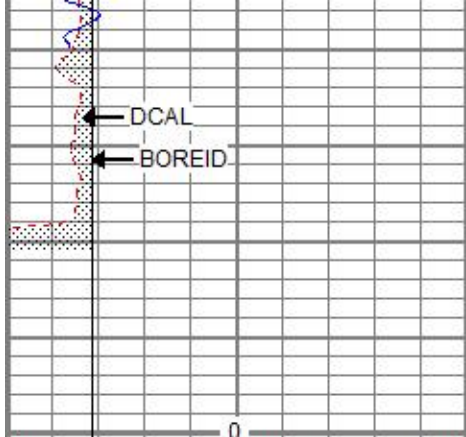
107.8

4

PE

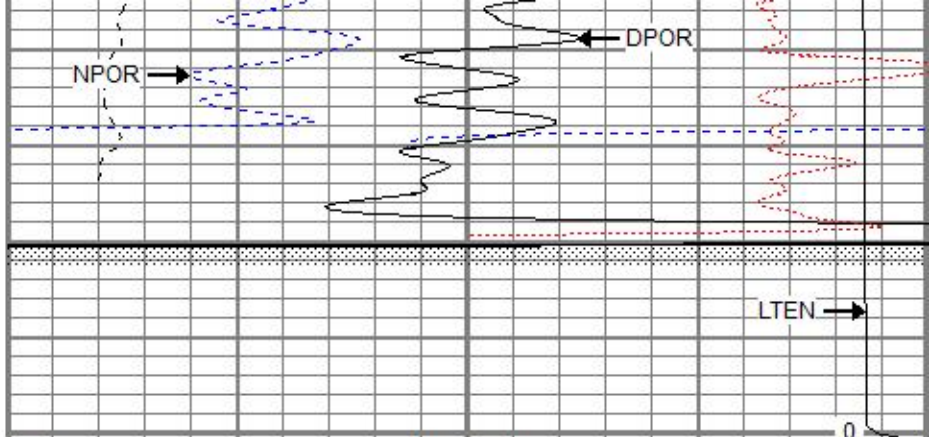
RHOC





4700

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)	

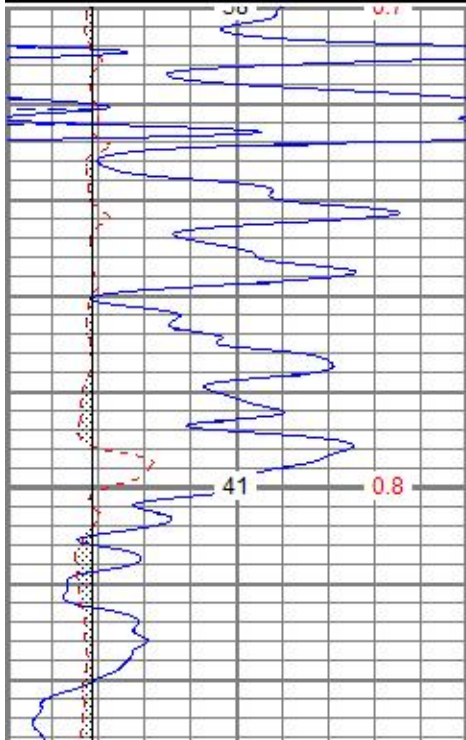


REPEAT SECTION

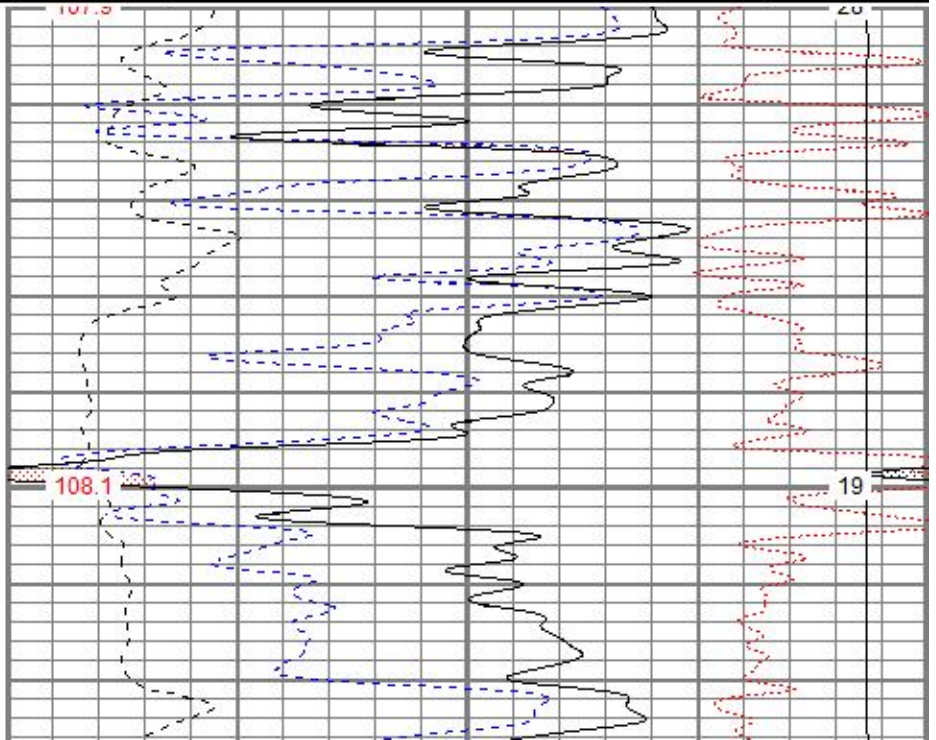
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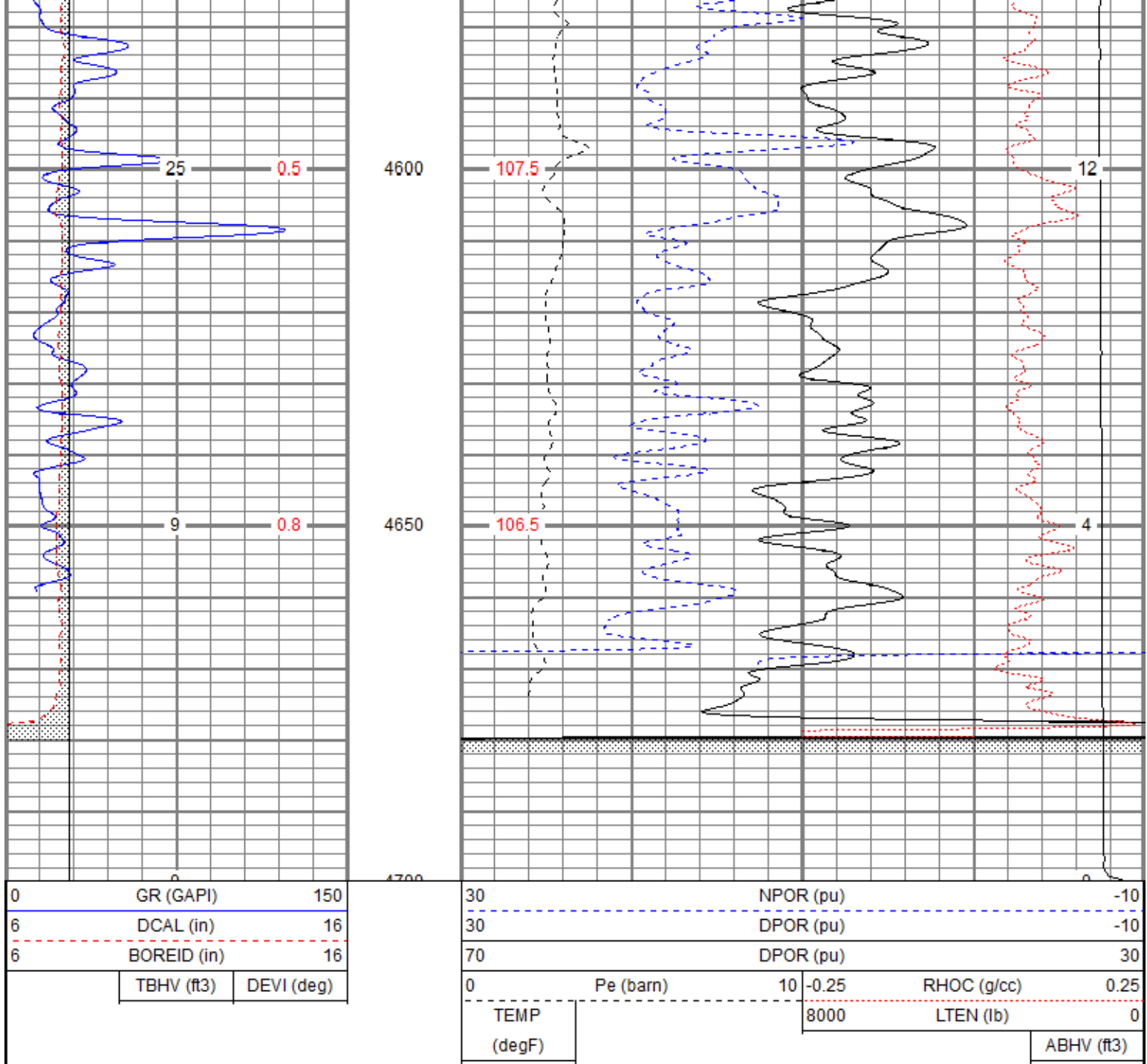
0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

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)	



4550





Calibration Report

Database File ppjohnsonbyrdwhiteunit1oh.db
 Dataset Pathname pass2.1
 Dataset Creation Thu Mar 01 17:42:47 2018

Dual Induction Calibration Report

Serial-Model: 1989-ADM
 Surface Cal Performed: Wed Feb 14 05:11:38 2018
 Downhole Cal Performed: Wed Feb 14 05:12:25 2018
 After Survey Verification Performed: Wed Feb 14 05:12:25 2018

Surface Calibration

Loop:	Readings			V	References			Results	
	Air	Loop			Air	Loop		m	b
Deep	-0.009	0.667		V	0.000	350.000	mmho/m	517.989	4.543
Medium	-0.004	0.750		V	0.000	400.000	mmho/m	530.106	2.252

Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.009	0.665	V	0.000	350.000	mmho/m	519.279	4.570
Medium	-0.005	0.750	V	0.000	550.000	mmho/m	728.849	3.479

Downhole Calibration

Readings			References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.003	350.326	mmho/m	-0.016	349.115	mmho/m	0.997	-0.019
Medium	-0.828	398.900	mmho/m	-0.278	399.748	mmho/m	1.001	0.551
Shallow	2.506	0.018	V	500.000	2.000	Ohm-m	275.206	-4.659

After Survey Verification

Readings			Targets			Results		
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.003	350.326	mmho/m	0.997	-0.019
Medium	0.000	0.000	mmho/m	-0.828	398.900	mmho/m	1.001	0.551
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

Tool Product: 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					
SSTAT	36.73		NEU-lithogearhart (2017)	5.65	3.50	85.00
PSTAT	35.90					
ASTAT	35.90					
GRD	35.06		ADT1LITH-A (1) Admyr Litho Density Tool	9.29	3.50	240.00
TEMP	35.06					
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		CILM	6.89	4.00	746.00
DCAL	21.61					
SSD	21.27					
SP	10.60		RLL3	1.70	4.00	746.00
CILD	10.60					
		TR_Mon	0.00	Dataset: ppjohnsonbyrdwhiteunit1oh.db: field/well/run1/pass2.1 Total length: 39.73 ft Total weight: 746.00 lb O.D.: 4.00 in		