



**COMPENSATED DENSITY  
NEUTRON  
LOG**

Company	JOHN O. FARMER, INC.	Company	JOHN O. FARMER, INC.
Well	SCHMIDT B #1	Well	SCHMIDT B #1
Field	SCHEIMDLER SOUTHEAST	Field	SCHEIMDLER SOUTHEAST
County	ELLIS	County	ELLIS
State	Kansas	State	Kansas
Location:	330' FNL & 1510' FWL	API # :	15 051 27047
Permanent Datum	SEC 34 TWP 12S RGE 17W	Ground Level	Elevation 2036
Log Measured From	KB 8' AGL	Elevation	2036
Drilling Measured From	KB	Other Services	ML DIL
		Elevation	K.B. 2044 D.F. 2042 G.L. 2036

Date	10/05/22
Run Number	One
Depth Driller	3660
Depth Logger	3660
Bottom Logged Interval	3640
Top Log Interval	3000
Casing Driller	8 5/8"@223'
Casing Logger	223
Bit Size	7 7/8"
Type Fluid in Hole	Chemical
Density / Viscosity	9.3/59
pH / Fluid Loss	10.6.8
Source of Sample	Pit
Rm @ Meas. Temp	1.1@80degf
Rmf @ Meas. Temp	.83@80degf
Rmc @ Meas. Temp	1.32@80degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	82@107degf
Time Circulation Stopped	9:00 AM
Time Logger on Bottom	10:30 AM
Maximum Recorded Temperature	107degf
Equipment Number	T-605
Location	Hays, KS.
Recorded By	GUS PFANENSTIEL
Witnessed By	AUSTIN KLAUS

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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**

WELD TECH SHOP NORTH TO EMMERAM RD. 1/4 EAST  
NORTH INTO.

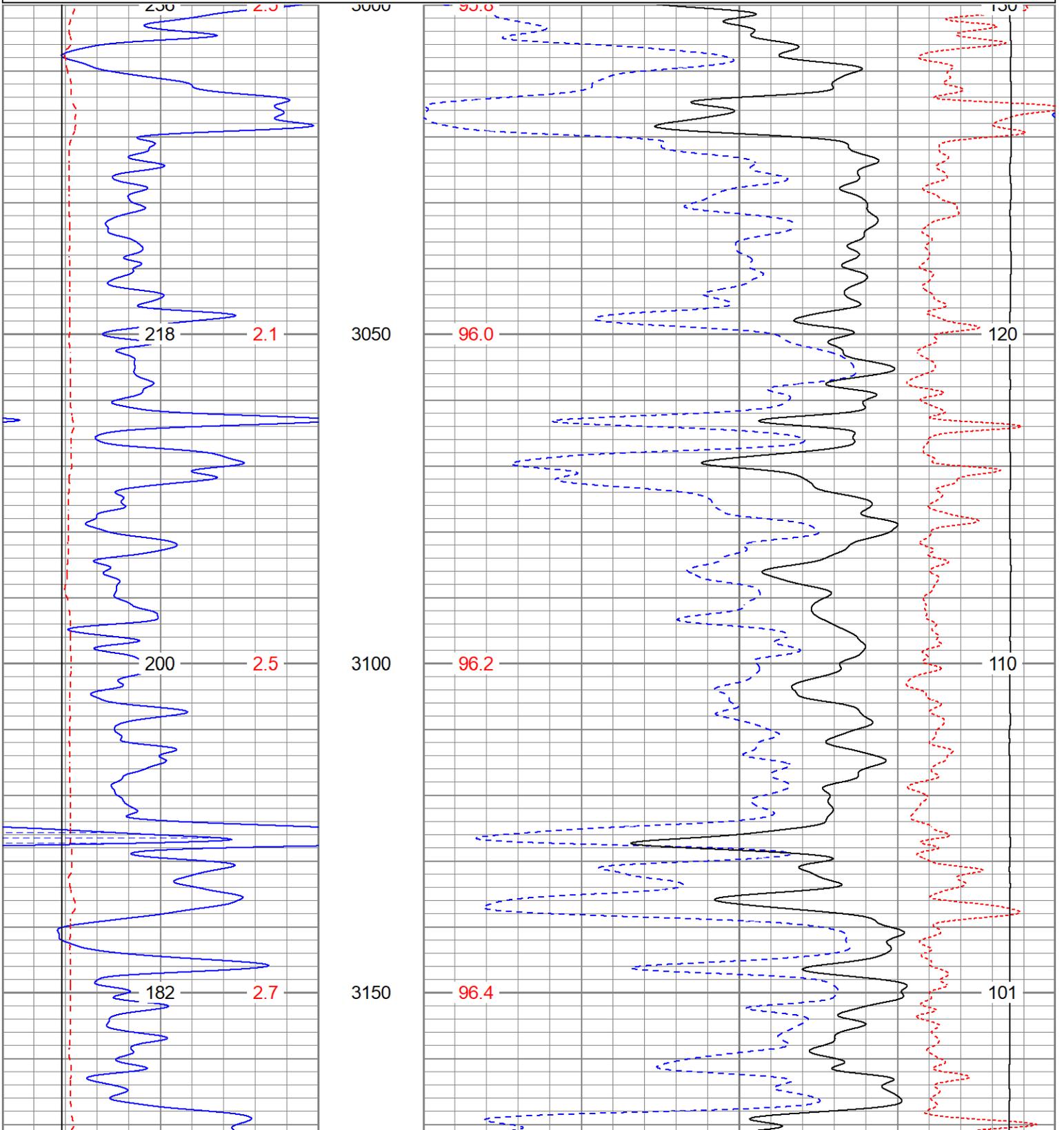
Thanks for using Gemini Wireline LLC  
785-625-1182

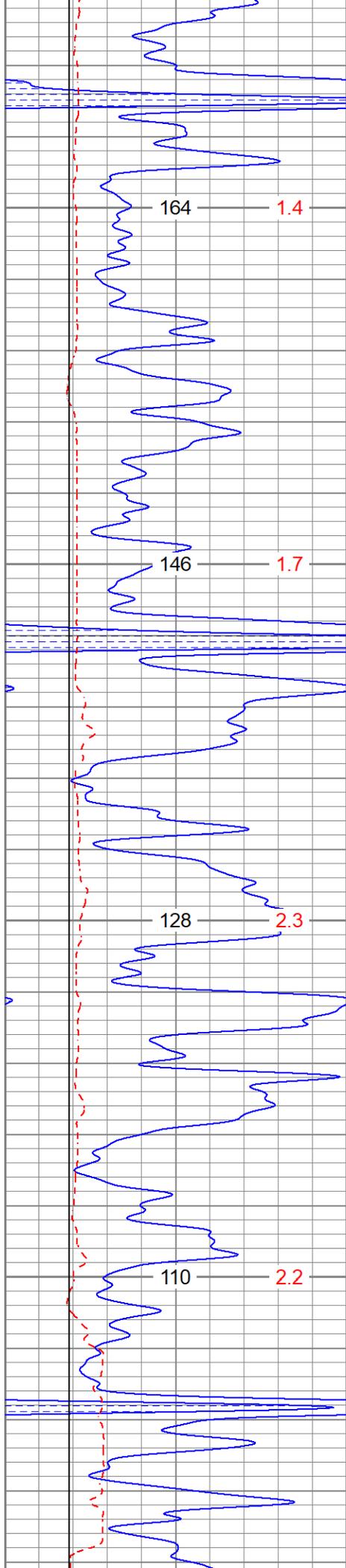


**MAIN PASS**

Database File jofschmidt#1oh.db  
 Dataset Pathname pass3POR  
 Presentation Format digital\_kcdnl  
 Dataset Creation Wed Oct 05 11:19:48 2022  
 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)	TEMP (degF)	-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
						ABHV (ft3)





3200

96.5

91

3250

96.7

81

3300

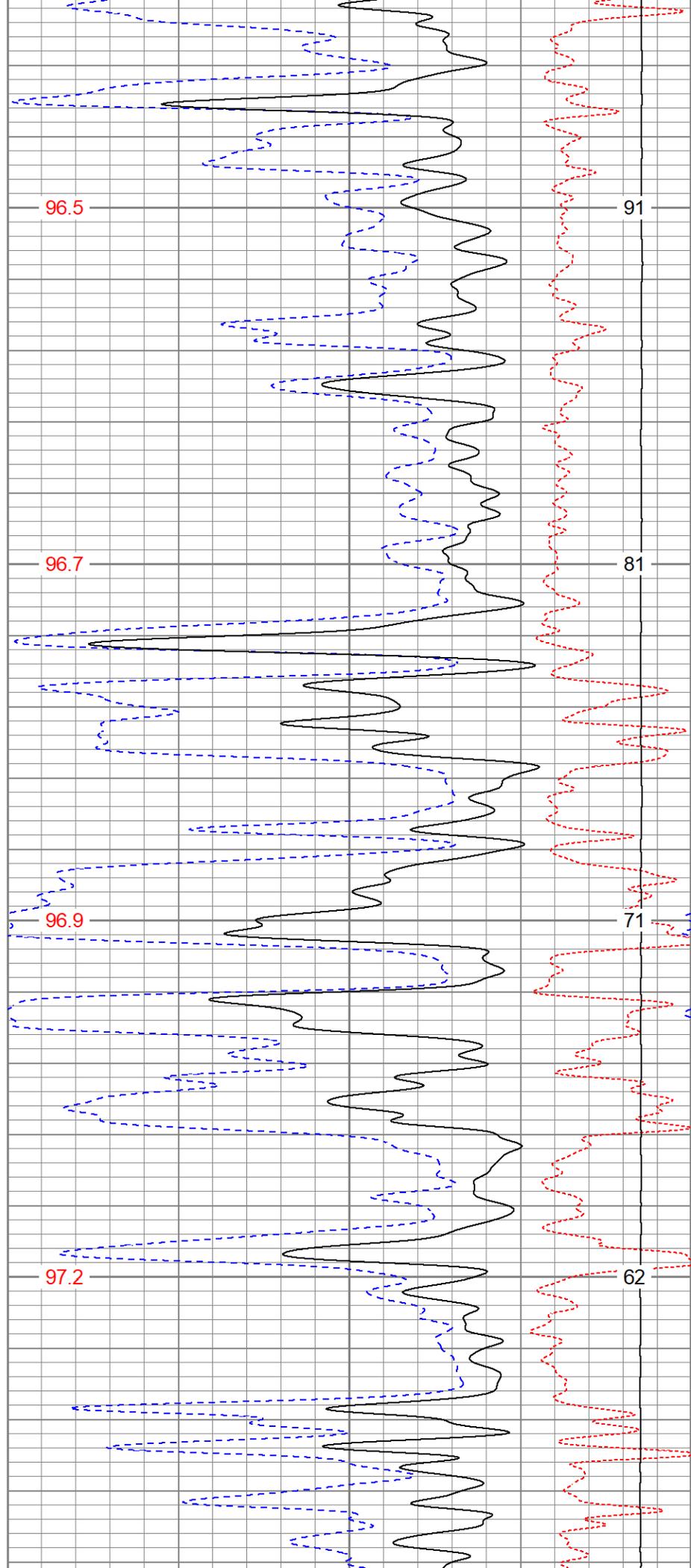
96.9

71

3350

97.2

62

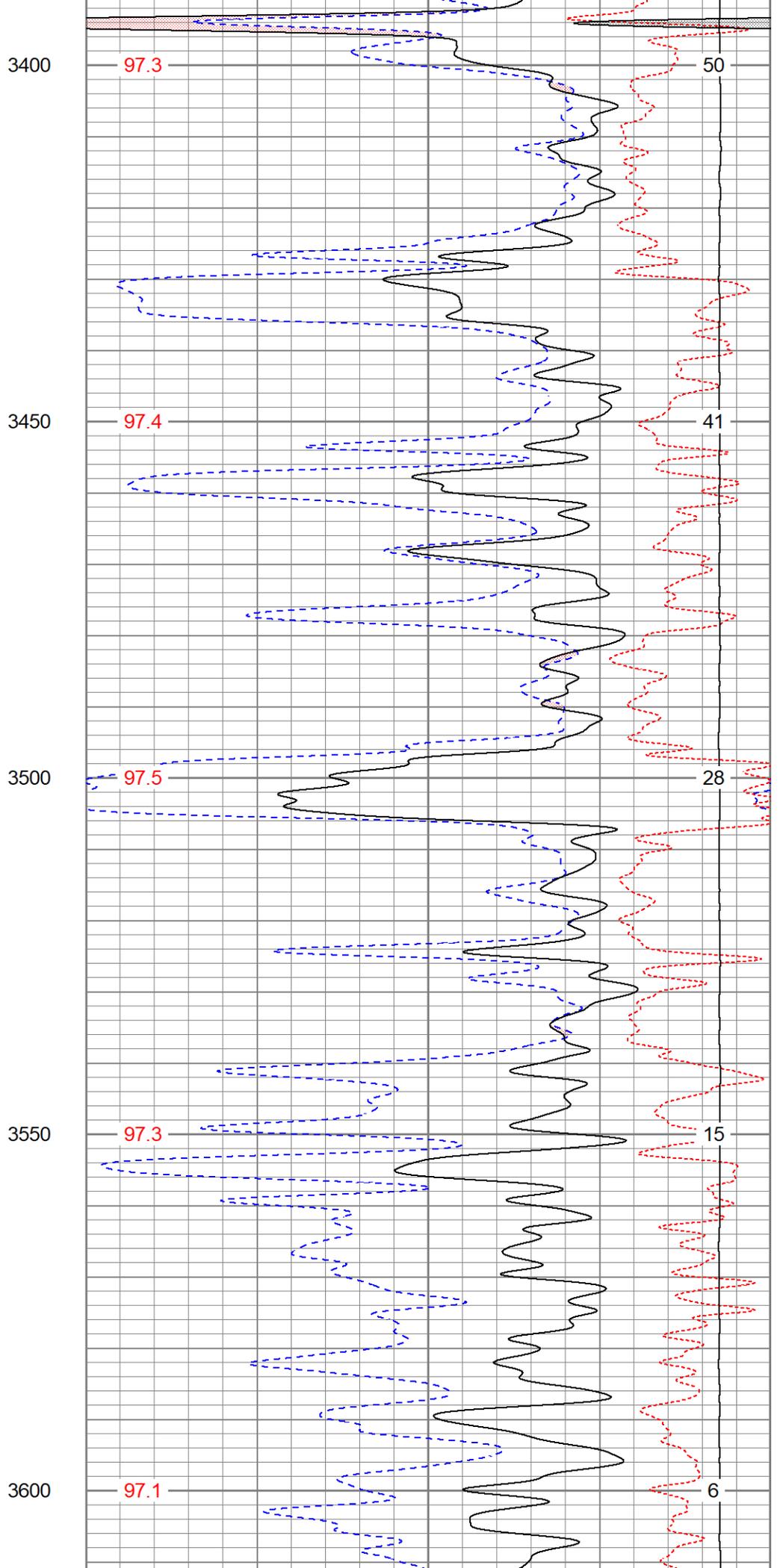
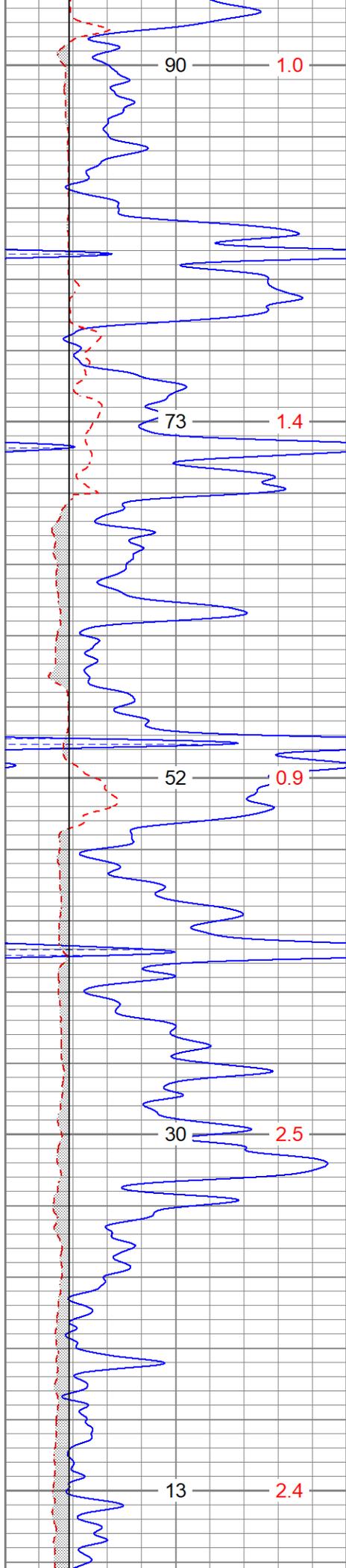


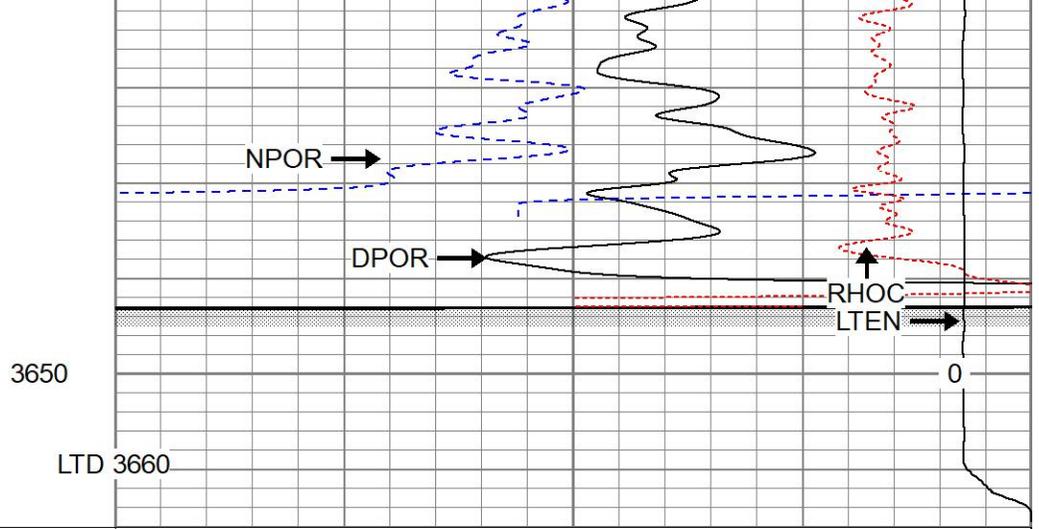
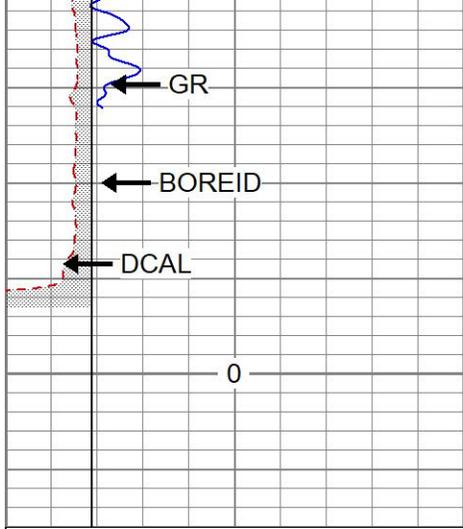
91

81

71

62





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
TEMP (degF)	-0.25	RHOC (g/cc) 0.25
	8000	LTEN (lb) 0
		ABHV (ft3)

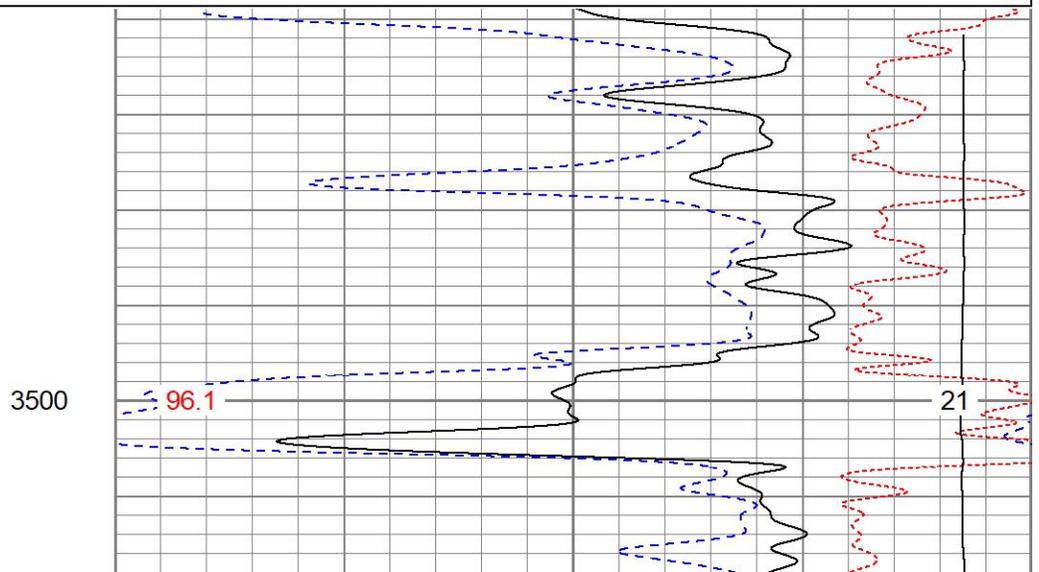
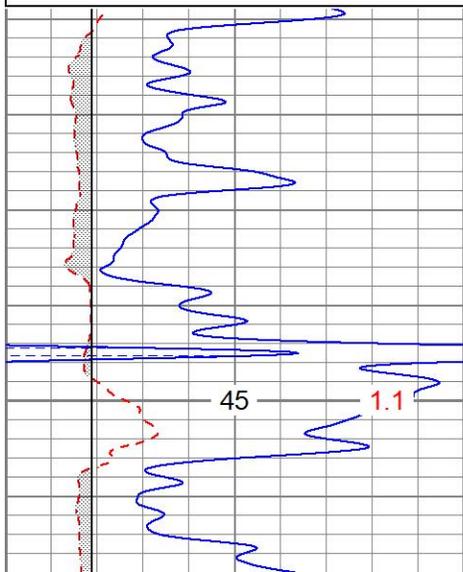


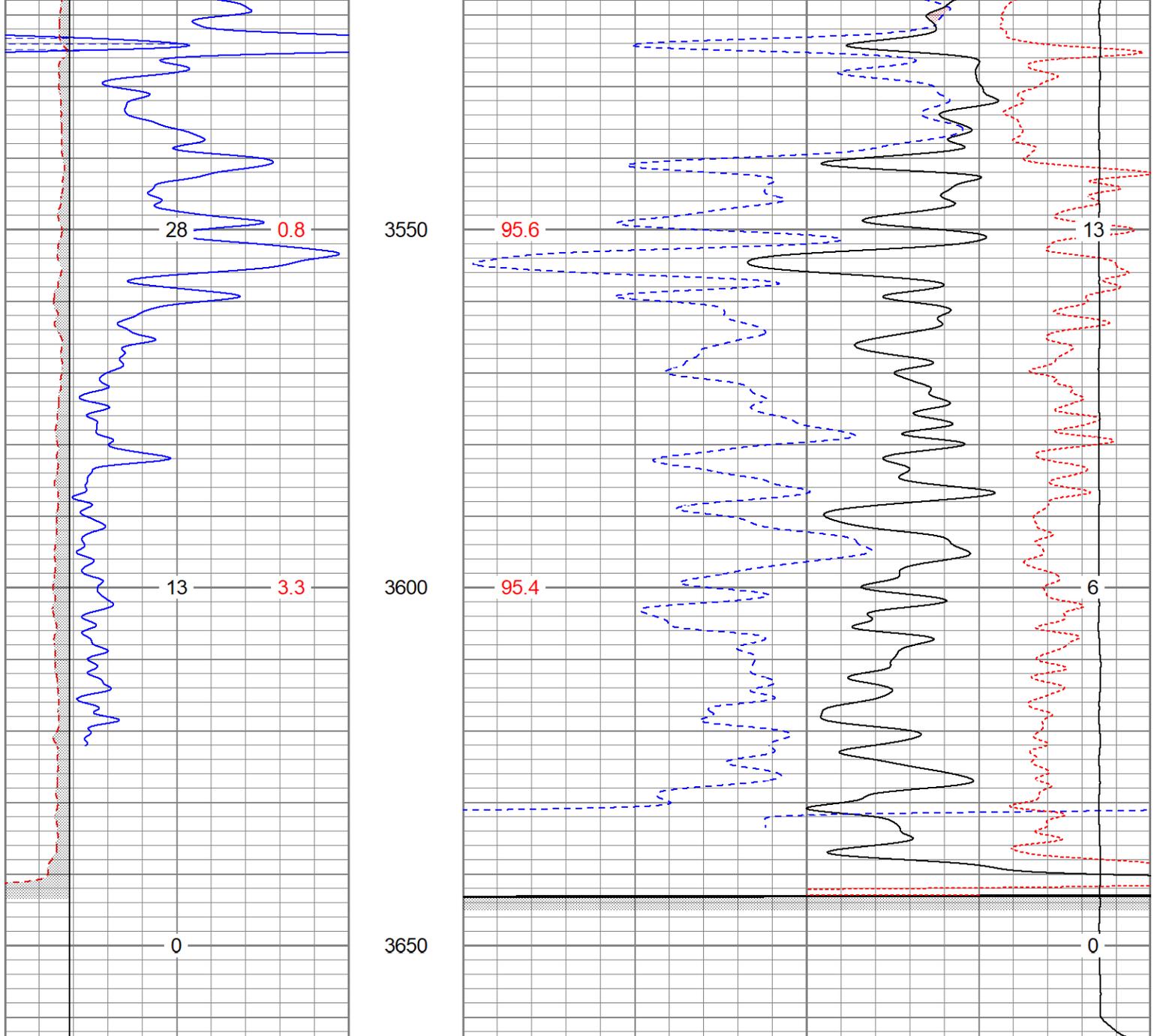
# REPEAT SECTION

Database File jofschmidt#1oh.db  
 Dataset Pathname pass2.1  
 Presentation Format digital\_kcdnl  
 Dataset Creation Wed Oct 05 11:17:42 2022  
 Charted by Depth in Feet scaled 1:240

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
TEMP (degF)	-0.25	RHOC (g/cc) 0.25
	8000	LTEN (lb) 0
		ABHV (ft3)





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)	TEMP (degF)	-0.25	RHOC (g/cc)	0.25
				8000	LTEN (lb)	0
						ABHV (ft3)

### Calibration Report

Database File jofschmidtb#1oh.db  
 Dataset Pathname pass2.1  
 Dataset Creation Wed Oct 05 11:17:42 2022

### Dual Induction Calibration Report

Serial-Model: 1842-ADM  
 Surface Cal Performed: Mon Sep 20 22:00:42 2021  
 Downhole Cal Performed: Mon Sep 20 22:00:24 2021  
 After Survey Verification Performed: Mon Sep 20 22:05:52 2021

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.475	-9.896
Medium	0.003	0.769	V	0.000	400.000	mmho/m	522.607	-1.745
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.018	0.672	V	0.000	350.000	mmho/m	535.240	-9.549
Medium	0.003	0.768	V	0.000	550.000	mmho/m	718.637	-2.088

Downhole Calibration

Readings				References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-0.219	349.905	mmho/m	-0.343	349.810	mmho/m	1.000	-3.124
Medium	-0.118	399.722	mmho/m	-0.226	399.745	mmho/m	1.000	-3.108
Shallow	2.536	0.025	V	500.000	2.000	Ohm-m	170.330	-1.504

After Survey Verification

Readings				Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.219	349.905	mmho/m	1.000	-3.124
Medium	0.000	0.000	mmho/m	-0.118	399.722	mmho/m	1.000	-3.108
Shallow	0.000	0.000	Ohm-m	500.000	2.000	Ohm-m	1.000	0.000

Neutron Calibration Report

Serial Number: AD5139  
 Tool Model: ADMY5139  
 Performed: (Not Performed)

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Temperature Calibration Report

Serial Number: WithMC  
 Tool Model: WMC  
 Performed: Fri Apr 19 12:15:04 2019

	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 May 5 19:20:48 2021

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:	WithMC	
Tool Model:	WMC	
Performed:	Wed Jun 15 11:53:49 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.1000	GAPI/cps