



COMPENSATED DENSITY NEUTRON LOG

Company	JOHN O. FARMER, INC.	Company	JOHN O. FARMER, INC.
Well	A. WASINGER #9	Well	A. WASINGER #9
Field	N/A	Field	N/A
County	ELLIS	County	ELLIS
State	Kansas	State	Kansas
Location:	API # : 15 051 27045	Other Services	
Permanent Datum	SEC 15 TWP 15S RGE 18W	ML	
Log Measured From	890' FSL & 430' FEL	DIL	
Drilling Measured From	KB	Elevation	
		K.B. 2015	
		D.F. 2013	
		G.L. 2007	
Date	09/07/22		
Run Number	One		
Depth Driller	3692		
Depth Logger	3692		
Bottom Logged Interval	3672		
Top Log Interval	2950		
Casing Driller	8 5/8"@1172 '		
Casing Logger	1172		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.2/58		
pH / Fluid Loss	10.0/7.2		
Source of Sample	Pit		
Rm @ Meas. Temp	.8@80degf		
Rmf @ Meas. Temp	.60@80degf		
Rmc @ Meas. Temp	.96@80degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	.61@105degf		
Time Circulation Stopped	1:30 PM		
Time Logger on Bottom	3:00 PM		
Maximum Recorded Temperature	105degf		
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

SOUTH OF HAYS TO CHETOLA GOLD EAST TO 260 TH,
NORTH INTO.

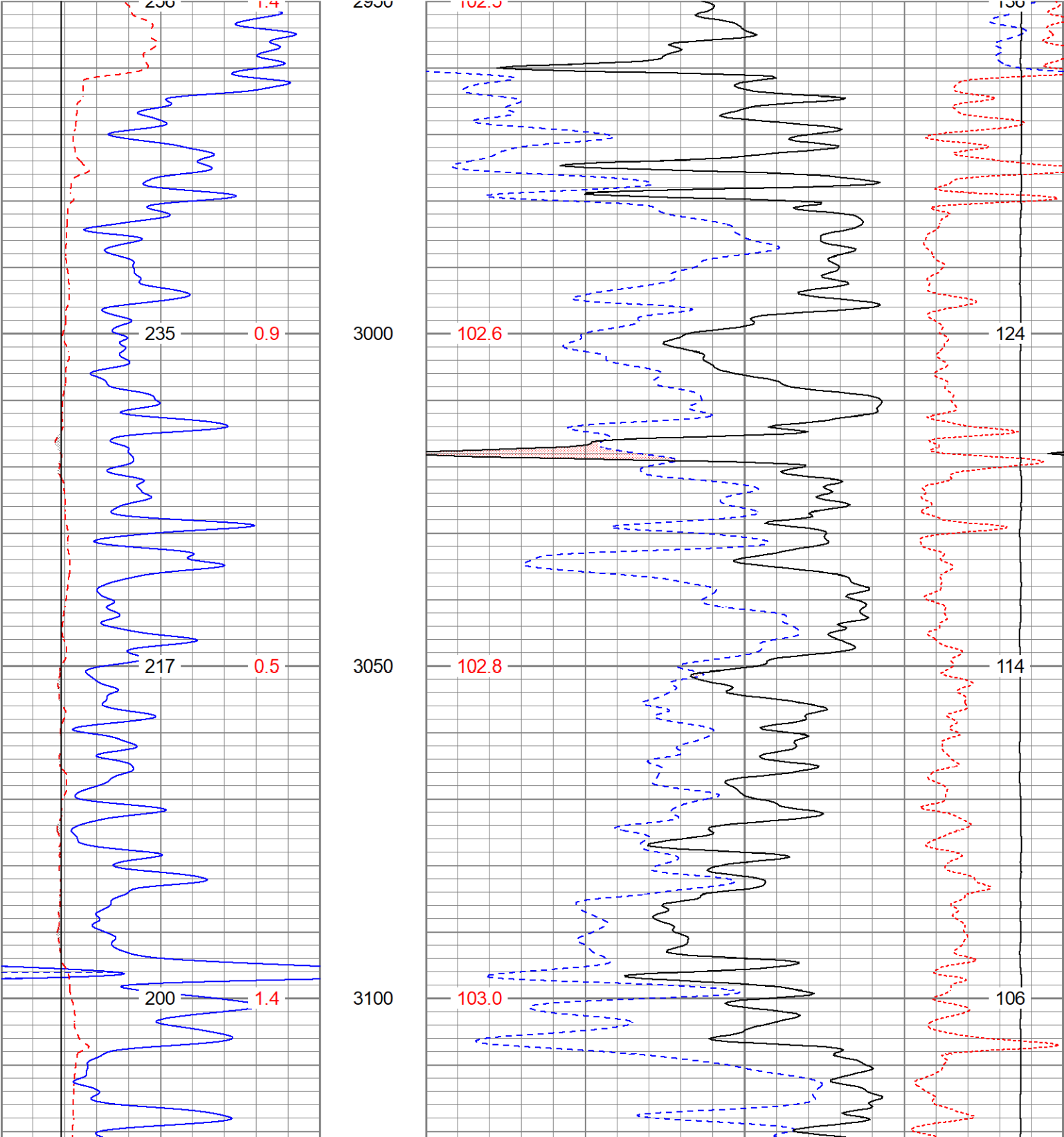
Thanks for using Gemini Wireline LLC
785-625-1182

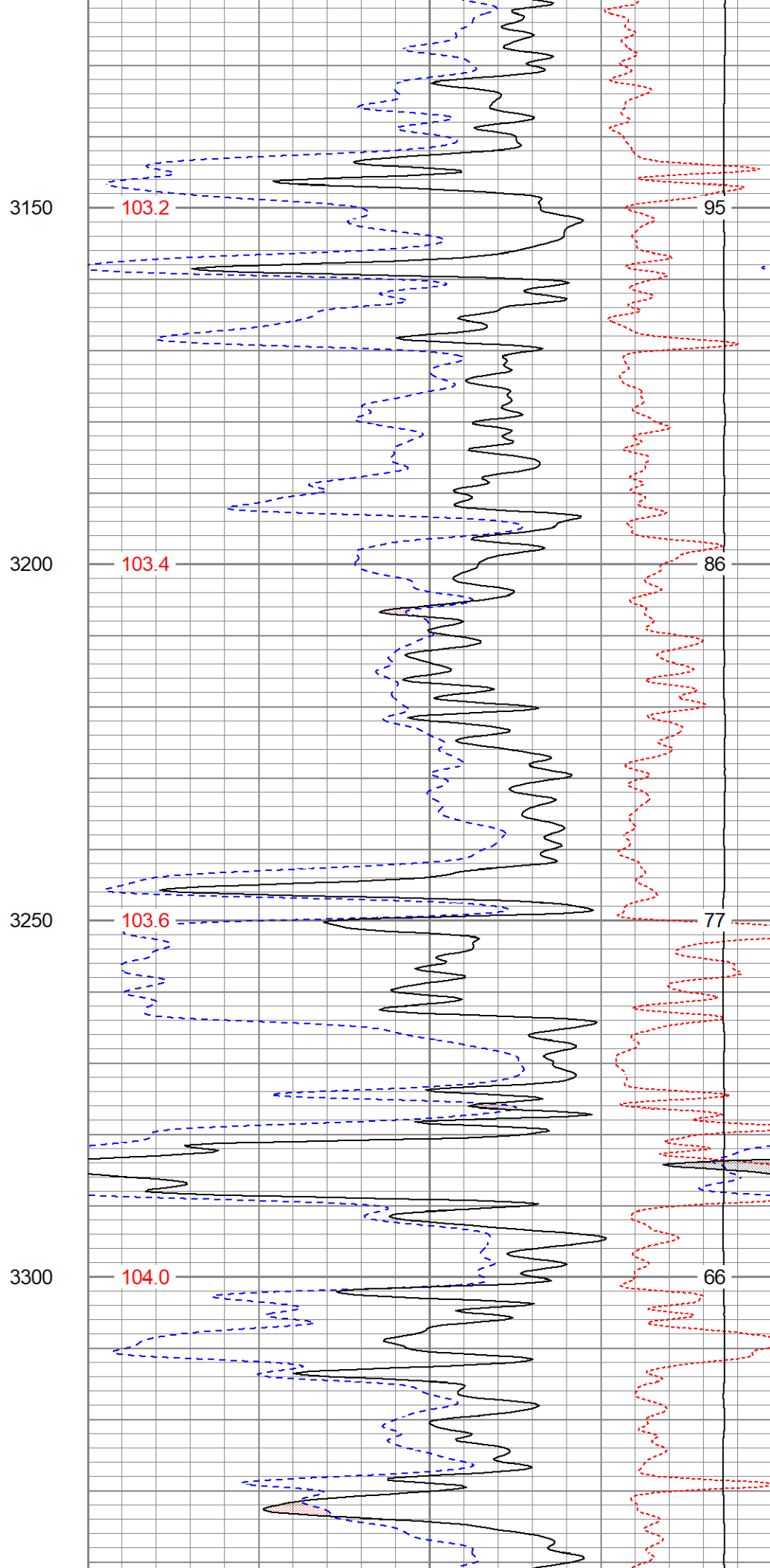
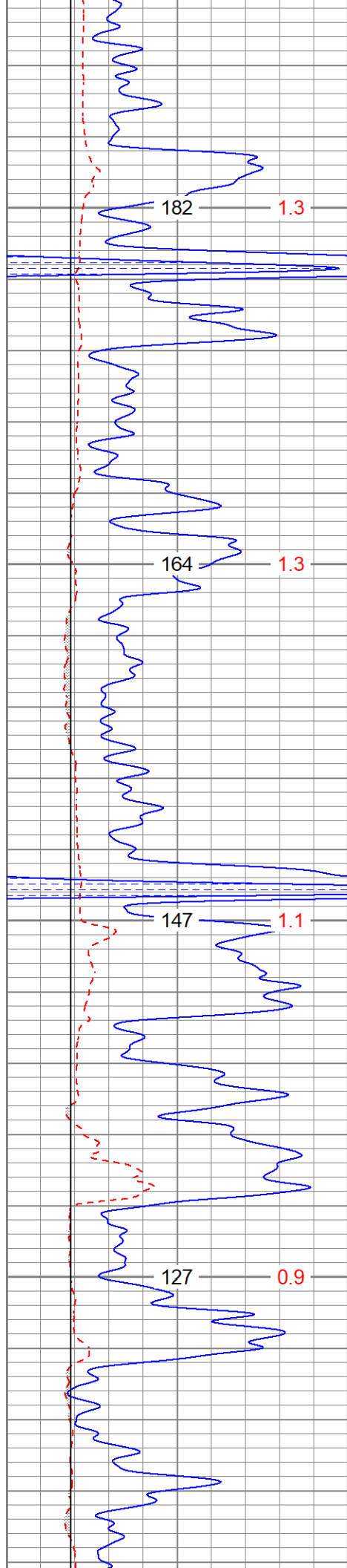


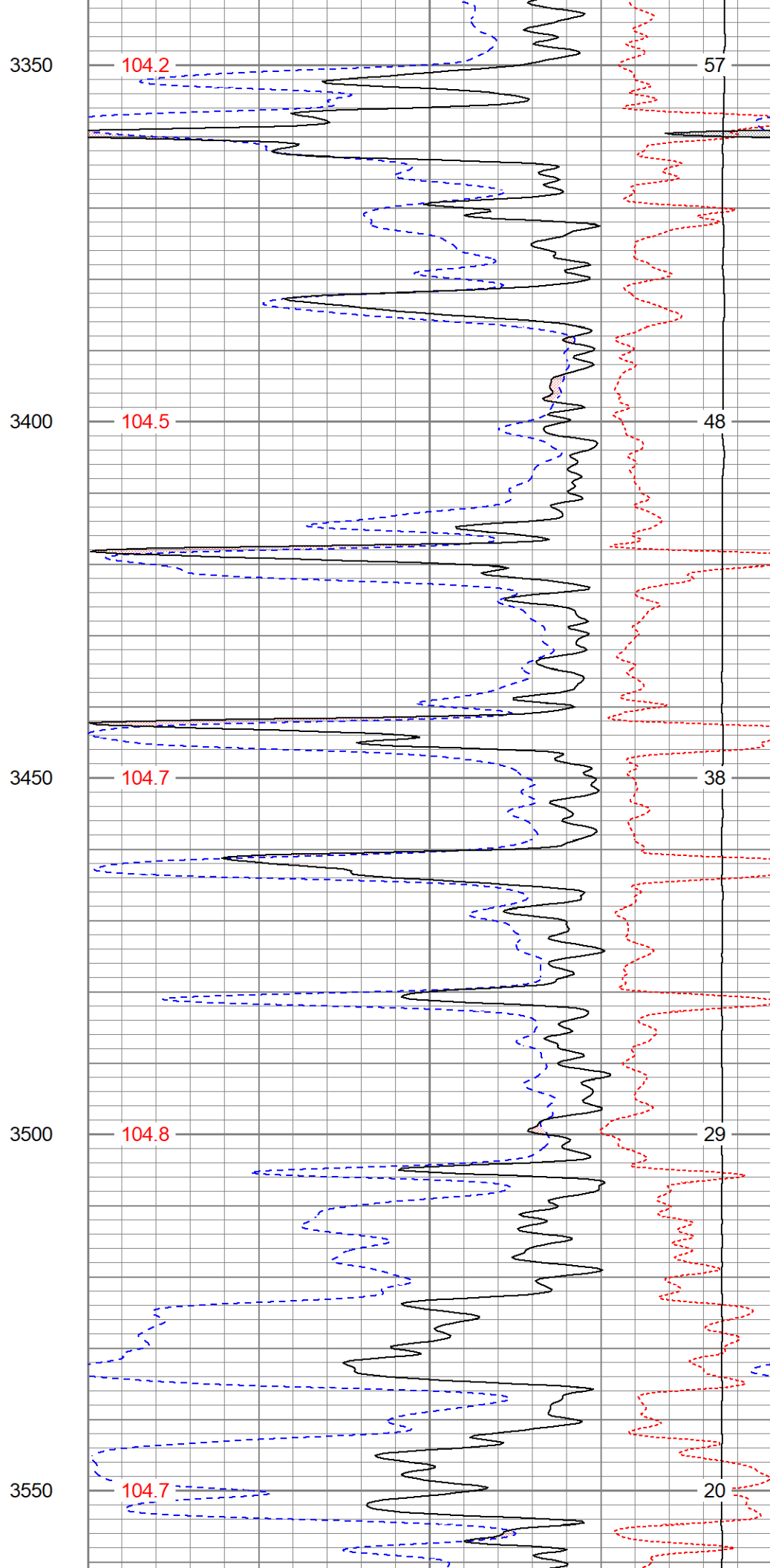
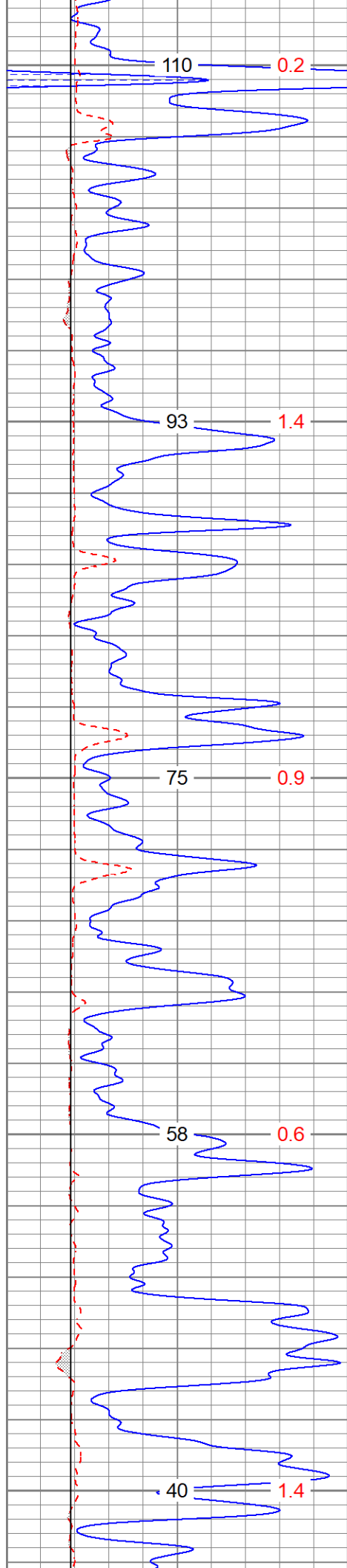
MAIN PASS

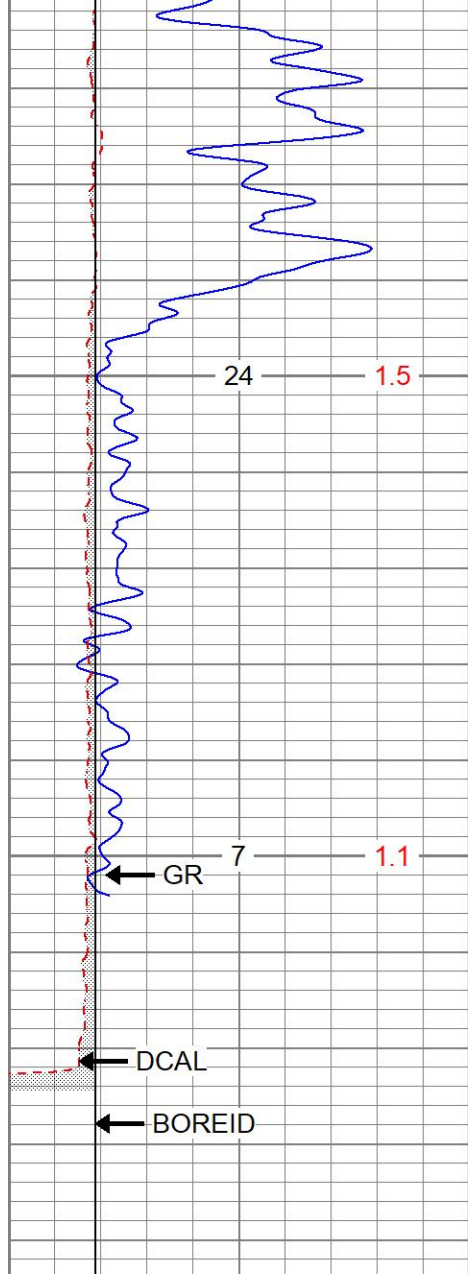
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Dataset Pathname	pass3.1
Presentation Format	digital_kcdnl
Dataset Creation	Wed Sep 07 15:10:22 2022
Charted by	Depth in Feet scaled 1:240

0GR (GAPI)150			30NPOR (pu)-10		
6DCAL (in)16			30DPOR (pu)-10		
6BOREID (in)16			70DPOR (pu)30		
TBHV (ft3)DEVI (deg)			TEMP (degF)-0.25RHOC (g/cc)0.25		
			8000LTEN (lb)0		
			ABHV (ft3)		







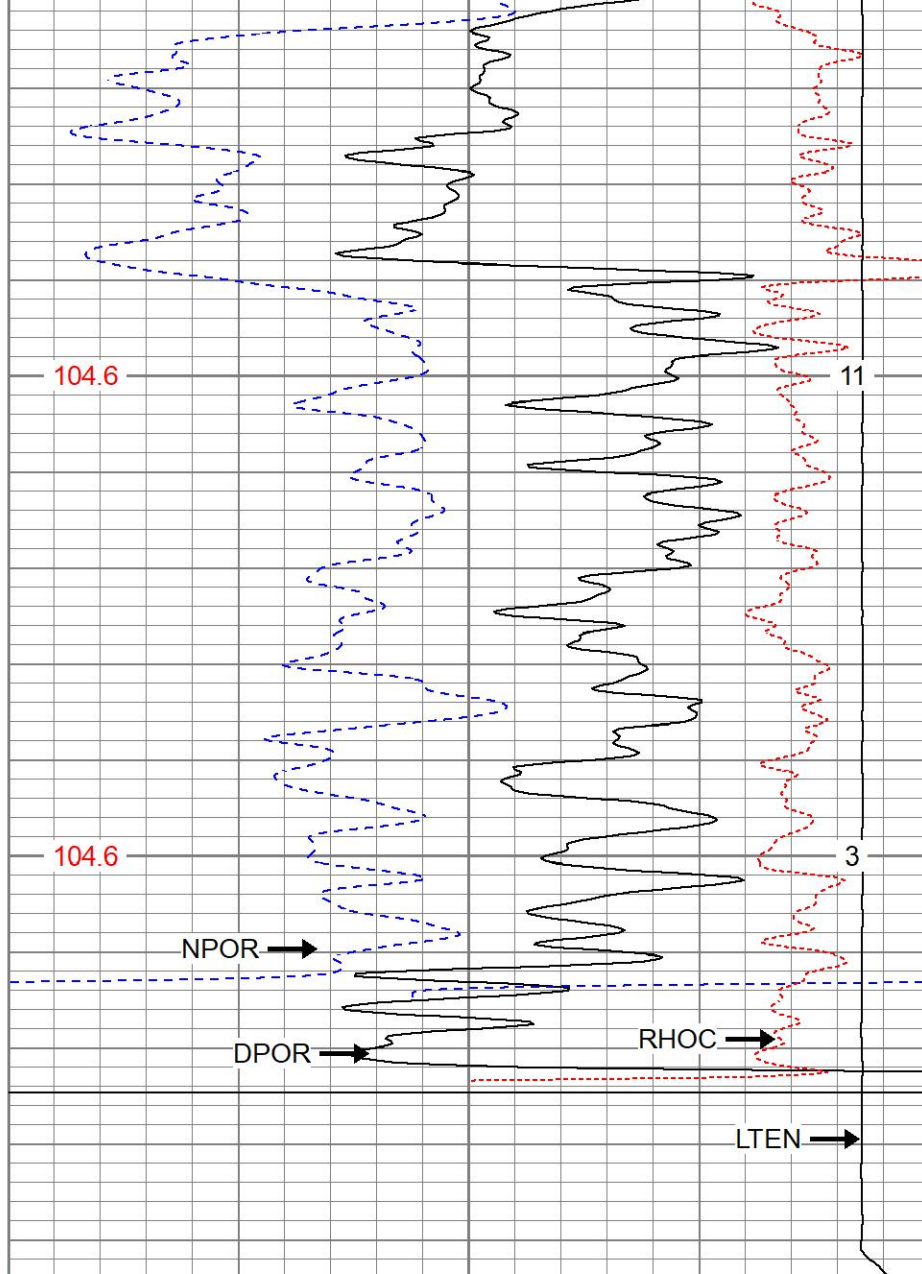


0	GR (GAPI)	150
6	DCAL (in)	16
6	BOREID (in)	16
	TBHV (ft3)	DEVI (deg)

3600

3650

LTD 3692



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

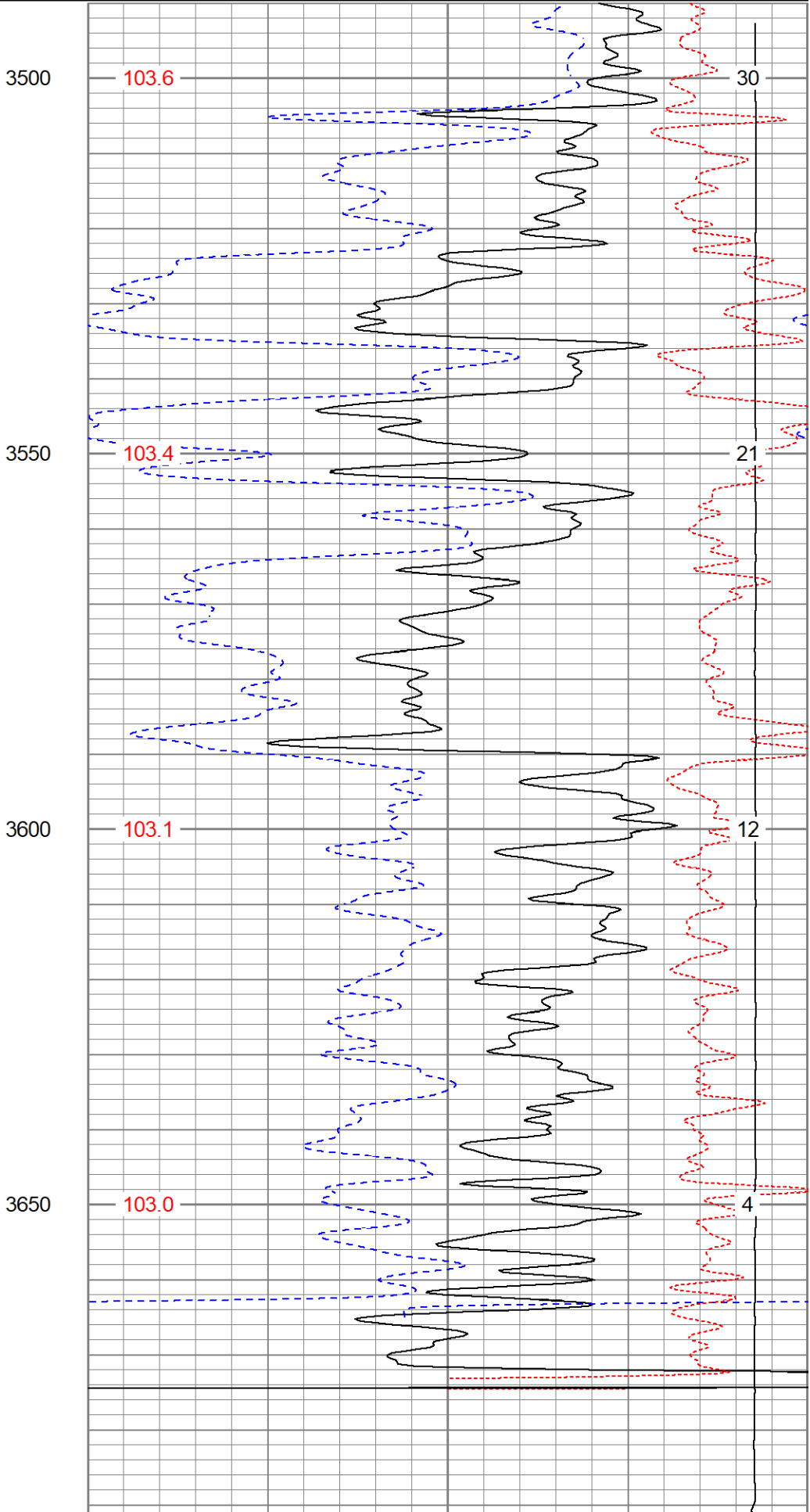
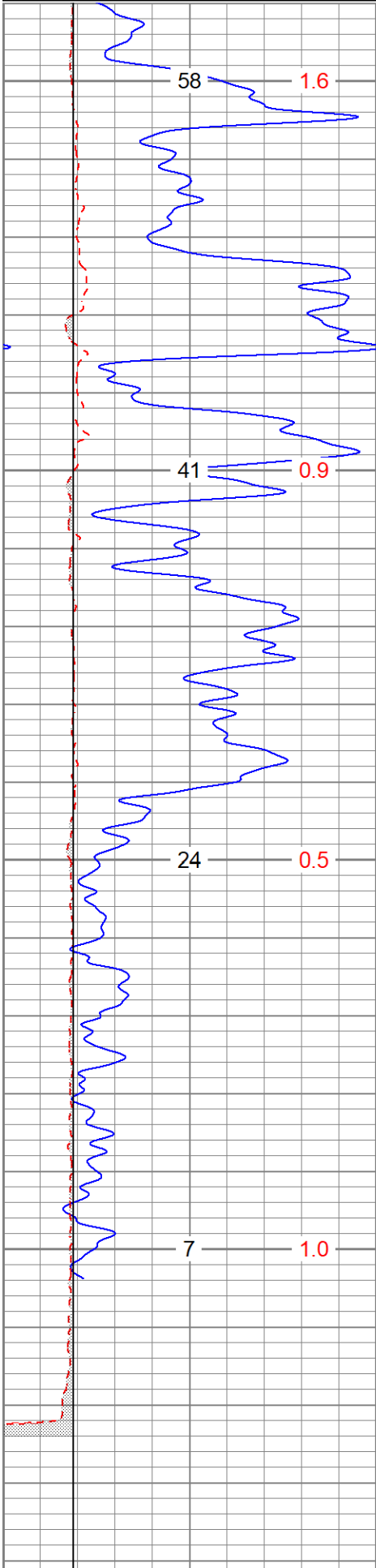
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 Dataset Pathname pass2.1
 Presentation Format digital_kcdnl
 Dataset Creation Wed Sep 07 15:13:11 2022
 Charted by Depth in Feet scaled 1:240

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

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

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

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	jofa.db								
Dataset Pathname	pass2.1								
Dataset Creation	Wed Sep 07 15:13:11 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	190.330	-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	
Admyr Lithodensity Calibration Report									
Serial-Model:					1C-C				
Source:					Blue2				
Master Calibration Performed:					Tue Aug 30 10:20:37 2022				
Master Calibration									
Density				Far Detector			Near Detector		

Magnesium	1.670	g/cc	6362.49	3546.71	cps
Aluminium	2.640	g/cc	1733.54	2362.69	cps
Aluminium+Sleeve	2.617	g/cc	1657.01	2197.69	cps
Spine Angle = 72.65			Density/Spine Ratio = 0.712		
	PE		NLITH	NHARD	
Magnesium	1.900	barn	5031.16	2670.10	cps
Aluminium	2.400	barn	925.14	1260.20	cps
Aluminium+Sleeve	5.000	barn	816.33	1216.63	cps
M = 0.191			B = 0.171	R = 0.787	
	Size		Reading		
Small Ring	8.00	in	8.61	V	
Large Ring	14.30	in	12.40	V	

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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					
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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