



COMPENSATED DENSITY/NEUTRON LOG

Company JASPAR CO. INC.

Well ASHMORE #1

Field UNNAMED

County ROOKS State KANSAS

Location: API #: 15-163-24468-0000

1650' FSL & 1320' FWL
S/2 - N/2 - SW

SEC 11 TWP 6S RGE 20W

Permanent Datum GROUND LEVEL Elevation 2176
Log Measured From KELLY BUSHING 7' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC

Elevation
K.B. 2183
D.F. 2181
G.L. 2176

Date 11/19/22

Run Number ONE

Depth Driller 3645

Depth Logger 3638

Bottom Logged Interval 3614

Top Log Interval 3100

Casing Driller 8 5/8" @ 221'

Casing Logger 221

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD CHLORIDES: 3,000 PPM

Density / Viscosity 9.1/50

pH / Fluid Loss 10.0/7.6

Source of Sample FLOWLINE

Rm @ Meas. Temp 2.20 @ 49F

Rmf @ Meas. Temp 1.65 @ 49F

Rmc @ Meas. Temp 2.64 @ 49F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .954 @ 113F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 4.45 P.M.

Maximum Recorded Temperature 113F

Equipment Number 8916

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By CAMERON BRIN

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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

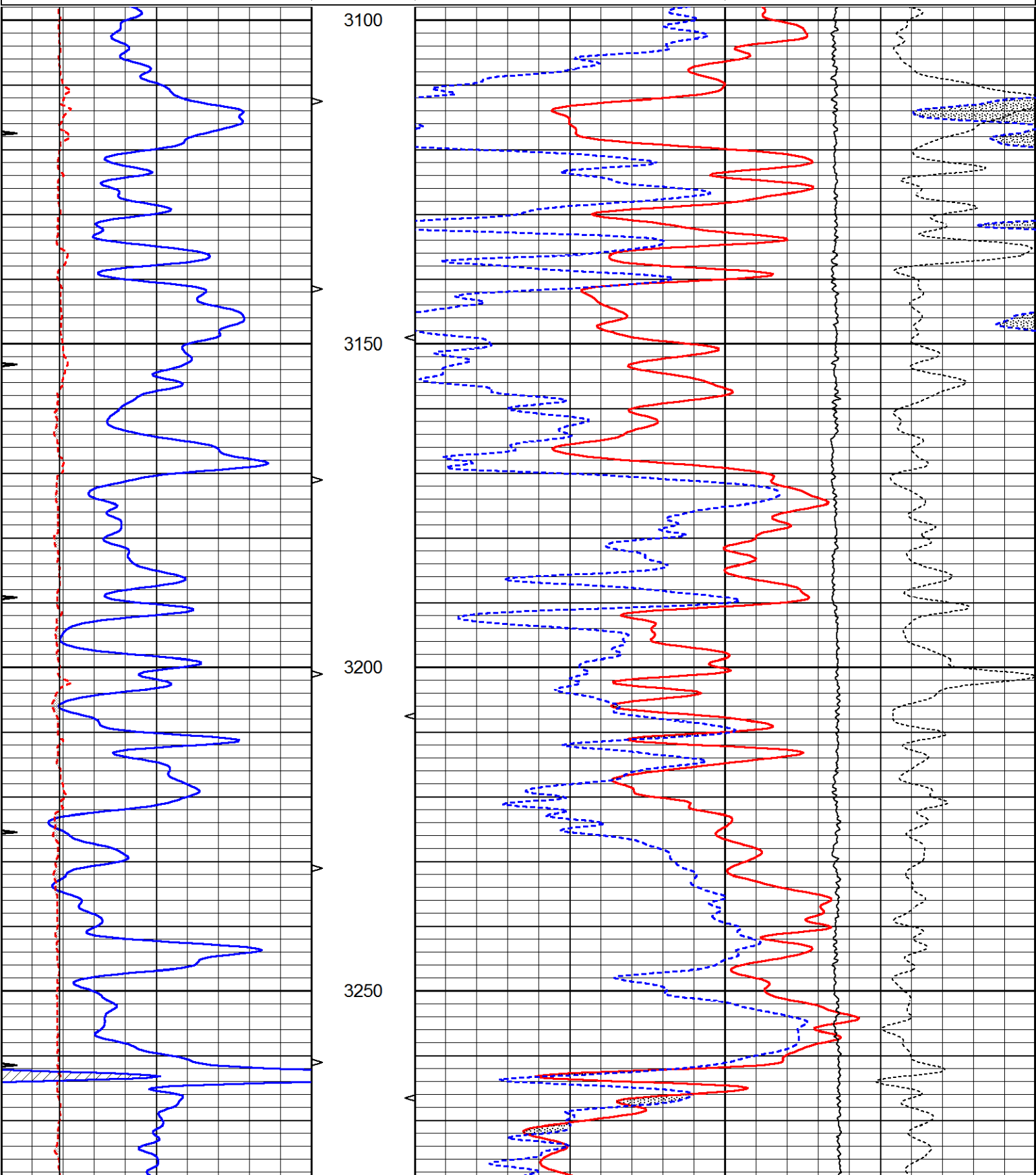
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
STOCKTON, KS., 9N. ON HWY 183 TO (ROOKS/PHILLIPS COUNTY LINE) 13W. ON "RD. A" TO "RD. 5", 1 1/2S., E. INTO

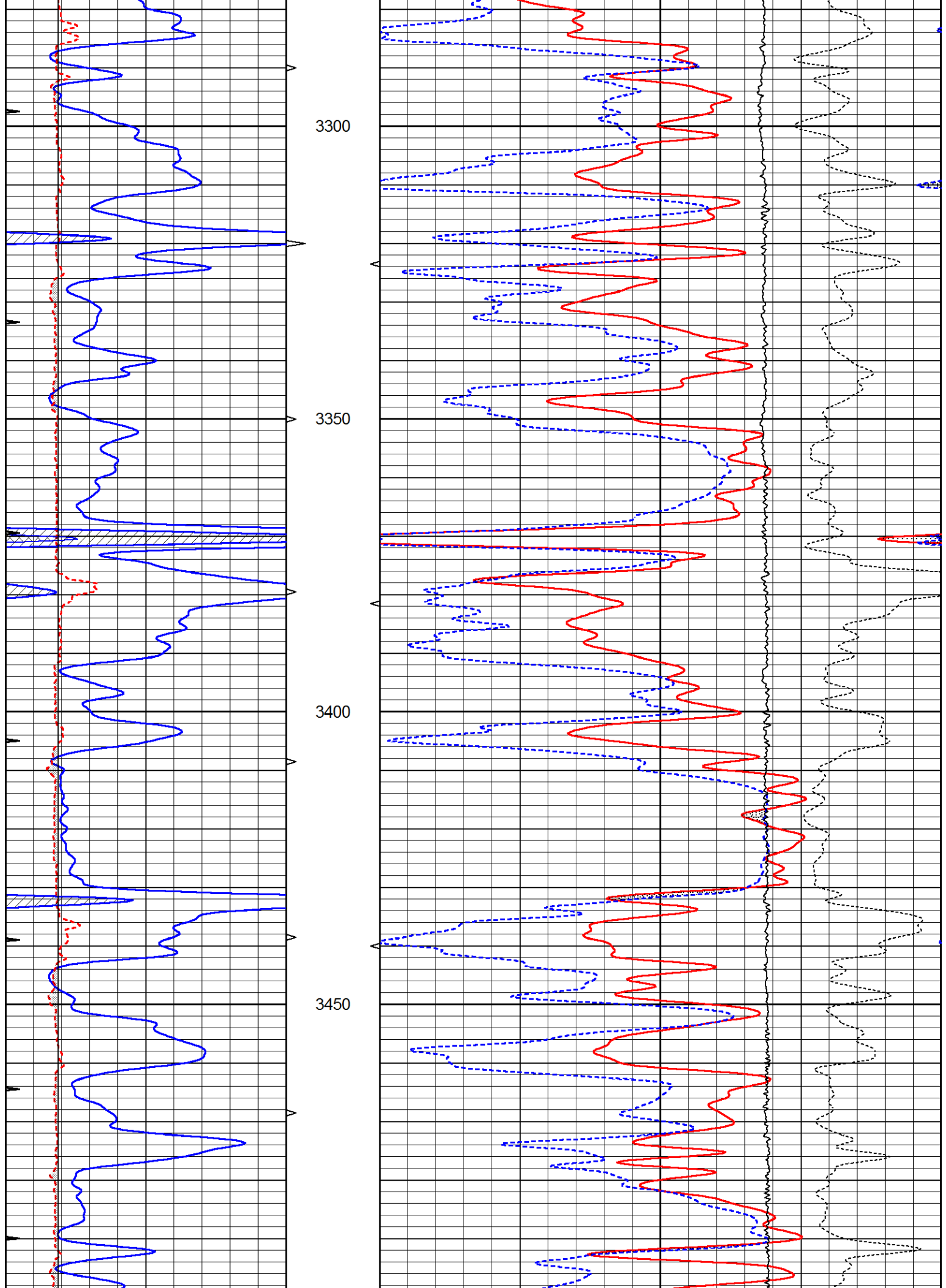


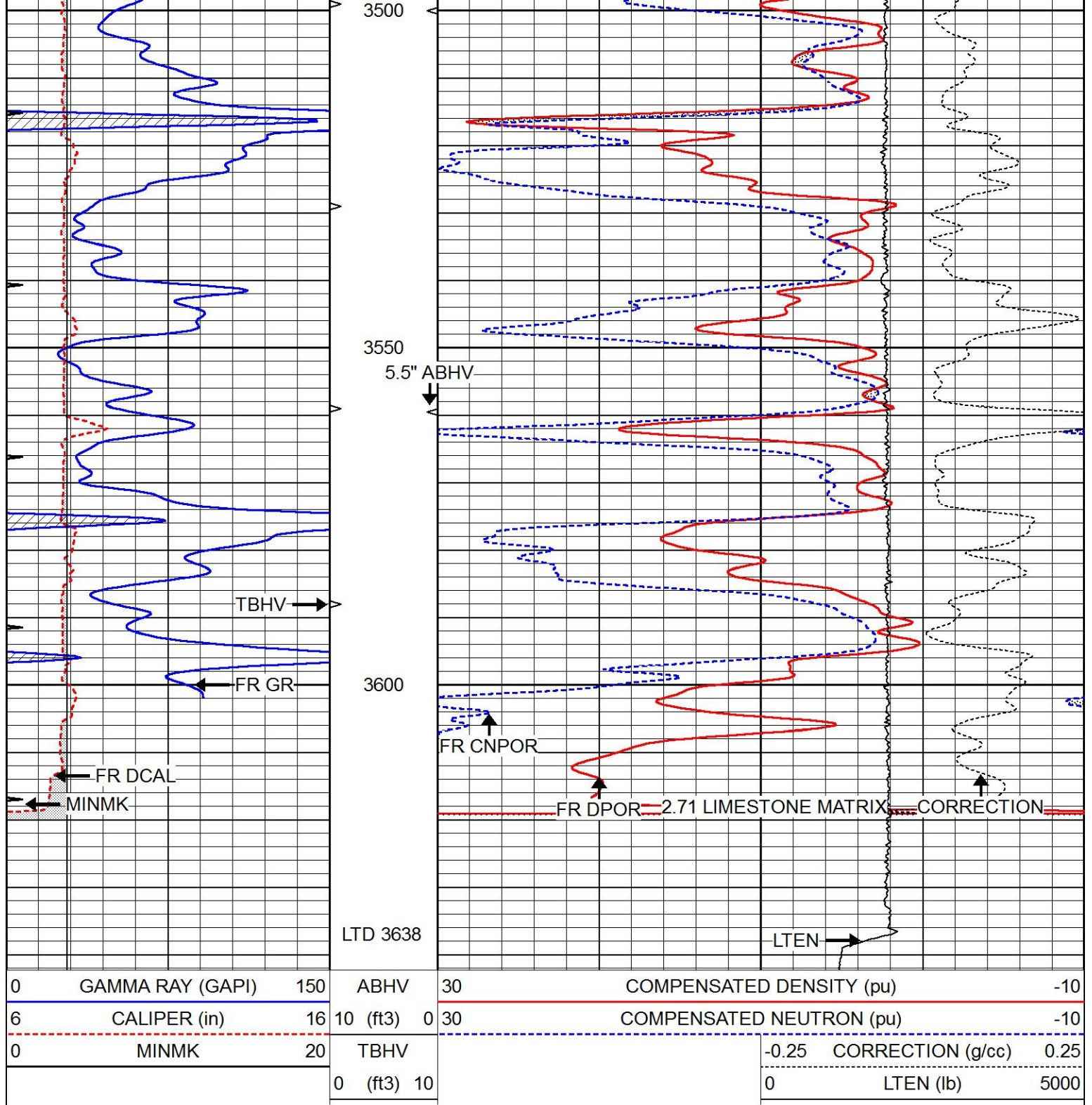
MAIN SECTION

Database File	6724ddn.db
Dataset Pathname	pass5.1M
Presentation Format	den_neu
Dataset Creation	Sat Nov 19 17:58:07 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10		0	LTEN (lb)	5000	



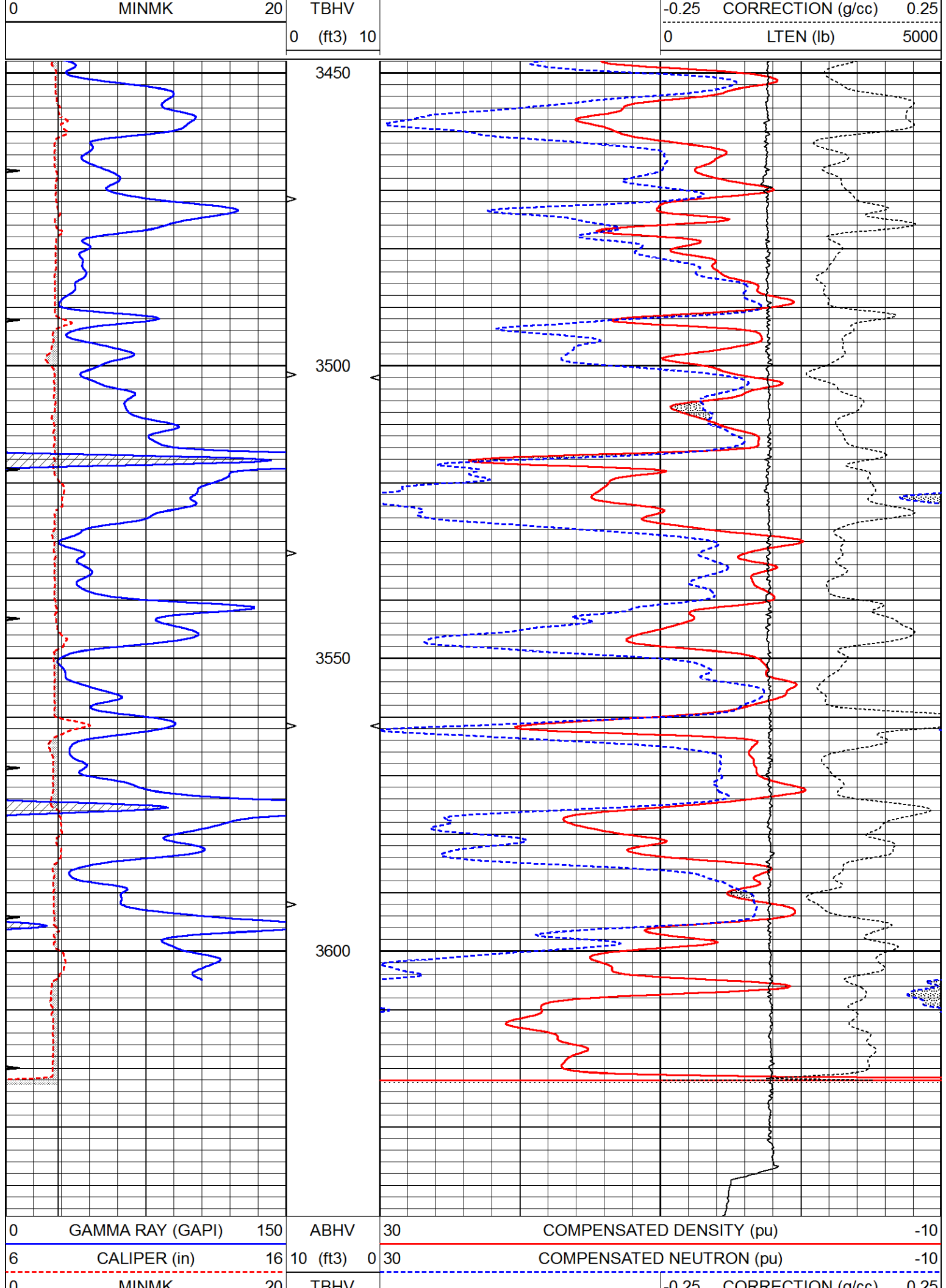




REPEAT SECTION

Database File 6724ddn.db
 Dataset Pathname pass4.1R
 Presentation Format den_neu
 Dataset Creation Sat Nov 19 17:54:56 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10



MINIMUM	20	FDIV	-0.25	CORRECTION (g/cc)	0.25
	0	(ft3) 10	0	LTEN (lb)	5000

Calibration Report	
Database File	6724ddn.db
Dataset Pathname	pass5.1M
Dataset Creation	Sat Nov 19 17:58:07 2022

Dual Induction Calibration Report	
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Serial-Model:	PROBE9-DILG
Surface Cal Performed:	Wed Jul 20 21:12:08 2022
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Surface Calibration		Readings		References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	625.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	600.000	-16.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration		Readings		References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification		Readings		Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report	
Serial: 004	Model: PRB

Master Calibration		Performed Fri Nov 04 15:19:59 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1153.2	7232.1	2536.8	2279.5	cps
Window 2	1055.6	6225.5	2222.3	2030.5	cps
Window 3	902.5	3849.3	1546.4	1462.0	cps
Window 4	254.4	258.2	253.1	253.9	cps
Long Space	0.0	5169.9	1166.7	974.9	cps
Short Space	4.7	1383.0	950.5	792.1	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	- 45.9	Rib Slope	- 1.031	Density/Spine Ratio	- 0.573

Spine Angle	: 75.9	Spine Slope	: 3.970	Spine Intercept	: -20.2
Before Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

After Survey Verification			Performed Wed Dec 31 18:00:00 1969		
Window 1	0.0	0.0	0.0	0.0	cps
Window 2	0.0	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	0.0000	g/cc
Measured Pe			0.0000	0.0000	

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Compensated Neutron Calibration Report					
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Serial Number:		6I			
Tool Model:		G			

CALIBRATION					
	Detector	Readings		Target	Normalization
	Short Space	1.00	cps	1.00	1.0000
	Long Space	1.00	cps	1.00	1.0000

PRE-SURVEY VERIFICATION					
	Detector	Readings		Measured	Target
1)	Short Space	cps			
	Long Space	cps		pu	pu
2)	Short Space	cps			
	Long Space	cps		pu	
3)	Short Space	cps			
	Long Space	cps		pu	

POST-SURVEY VERIFICATION					
	Detector	Readings		Measured	Target
1)	Short Space	cps			
	Long Space	cps		pu	pu
2)	Short Space	cps			
	Long Space	cps		pu	pu

3)	Short Space Long Space	cps cps	pu	pu
Gamma Ray Calibration Report				
	Serial Number:	GR6		
	Tool Model:	OPEN		
	Performed:	Tue Nov 08 13:43:57 2022		
	Calibrator Value:	150.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	276.0	cps	
	Sensitivity:	0.8500	GAPI/cps	