



MIDWEST WIRELINE

RADIATION GUARD
LOG

Company Berexco, LLC		Well Anderson #2-28		Field Amazon Ditch East		County Finney		State Kansas	
Company Berexco, LLC		Well Anderson #2-28		Field Amazon Ditch East		County Finney		State Kansas	
Location:		API #: 15-055-22617-00-00		Other Services					
Permanent Datum		Ground Level		Elevation		2146 FNL & 868 FEL			
Log Measured From		Kelly Bushing		Elevation		2946			
Drilling Measured From		Kelly Bushing		Elevation		2946			
SEC 28 TWP 22S RGE 34W		CNL/CDL		DIL/MEL		BHCS			
K.B. 2959		D.F. 2946		G.L. 2946					
Date	9/12/2024								
Run Number	One								
Depth Driller	4900								
Depth Logger	4897								
Bottom Logged Interval	4896								
Top Log Interval	3700								
Casing Driller	8625 @ 1686								
Casing Logger	1700								
Bit Size	7.875								
Type Fluid in Hole	Chemical								
Salinity, ppm CL	1030								
Density / Viscosity	9.2 89								
pH / Fluid Loss	9.5 8.4								
Source of Sample	FLOWLINE								
Rm @ Meas. Temp	0.92 @ 86								
Rmt @ Meas. Temp	0.69 @ 86								
Rmc @ Meas. Temp	1.24 @ 86								
Source of Rmt / Rmc	CHARTS								
Rm @ BHT	0.63 @ 125								
Operating Rig Time	5 Hours								
Max Rec. Temp. F	125								
Equipment Number	110								
Location	HAYS								
Recorded By	D. Schmidt								
Witnessed By	Pete Vollmer								

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Scott City,
South On Hwy 83 to W Barlow Rd,
West to N Big Low Rd, 1 South, 3 West, 1/4 South,
West into

Log Measured From: Kelly Bushing 13 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC
785-625-3858

Your Midwest Wireline Crew		This Log Record Was Witnessed By	
Engineer: D. Schmidt		Primary Witness: Pete Vollmer	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	40.23		GR-M&W (105)	3.00	3.50	50.00	
CNLSC CNSSC	37.13 36.38		CNT-M&W (210)	5.00	3.50	100.00	
			MWLith-STEP LITHO Short (703-03)	8.40	5.00	250.00	
LCAL	28.21			ML-PSI STKBL ML (402)	7.58	4.00	65.00
LLW8N	28.21						
LLW7N	28.21						
LLW6N	28.21						
LLW5N	28.21						
LLW4N	28.21						
LLW3N	28.21						
LLW2N	28.21						
LLW1N	28.21						
LSLOCK	27.96						
LLLOCK	27.96						
PELTMPR	27.96						
LSHVNG	27.96						
LLHVNG	27.96						
LSW8N	27.71						
LSW7N	27.71						
LSW6N	27.71						
LSW5N	27.71						
LSW4N	27.71						
LSW3N	27.71						
LSW2N	27.71						
LSW1N	27.71						
MCAL	19.58		DIL-M&W (508A)	18.25	3.50	220.00	
MI	19.58						
MN	19.58						
RLL3F	15.50						
RLL3	15.50						
CILD	8.33						
CILM	4.50						
SP	0.20						

Dataset: berexco_anderson 2-28.db: field/well/stkml/pass3.1
Total length: 42.23 ft
Total weight: 685.00 lb
O.D.: 5.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_anderson 2-28.db
Dataset field/well/stkml/pass3.1/_vars_

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in	degF	in	in	g/cc	2	g/cc
	7.875	125	5.5	0	1		2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	No	mmho/m	mmho/m	mV	degF	Off	ft
		4	-1	155	90		4897



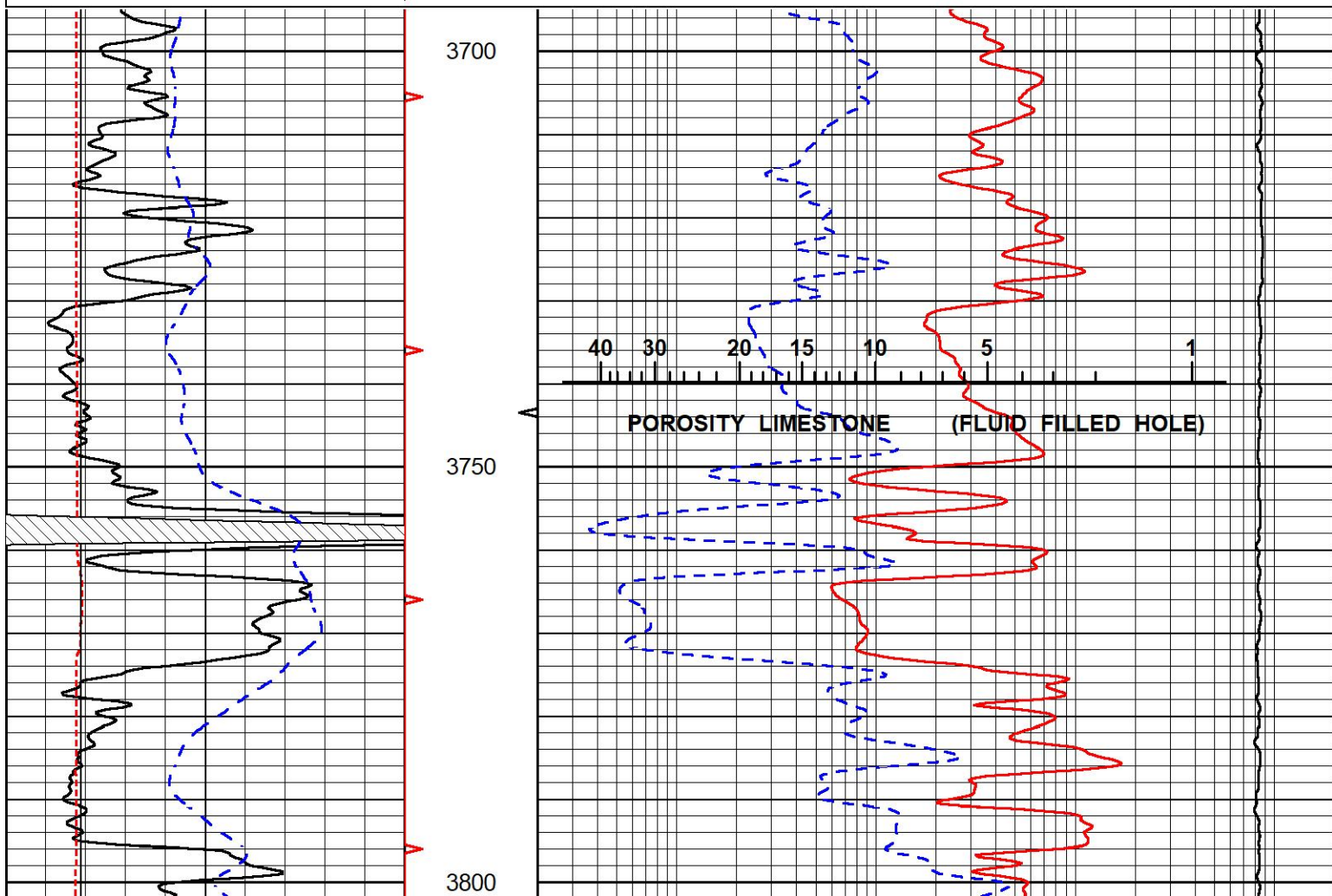
DETAIL SECTION

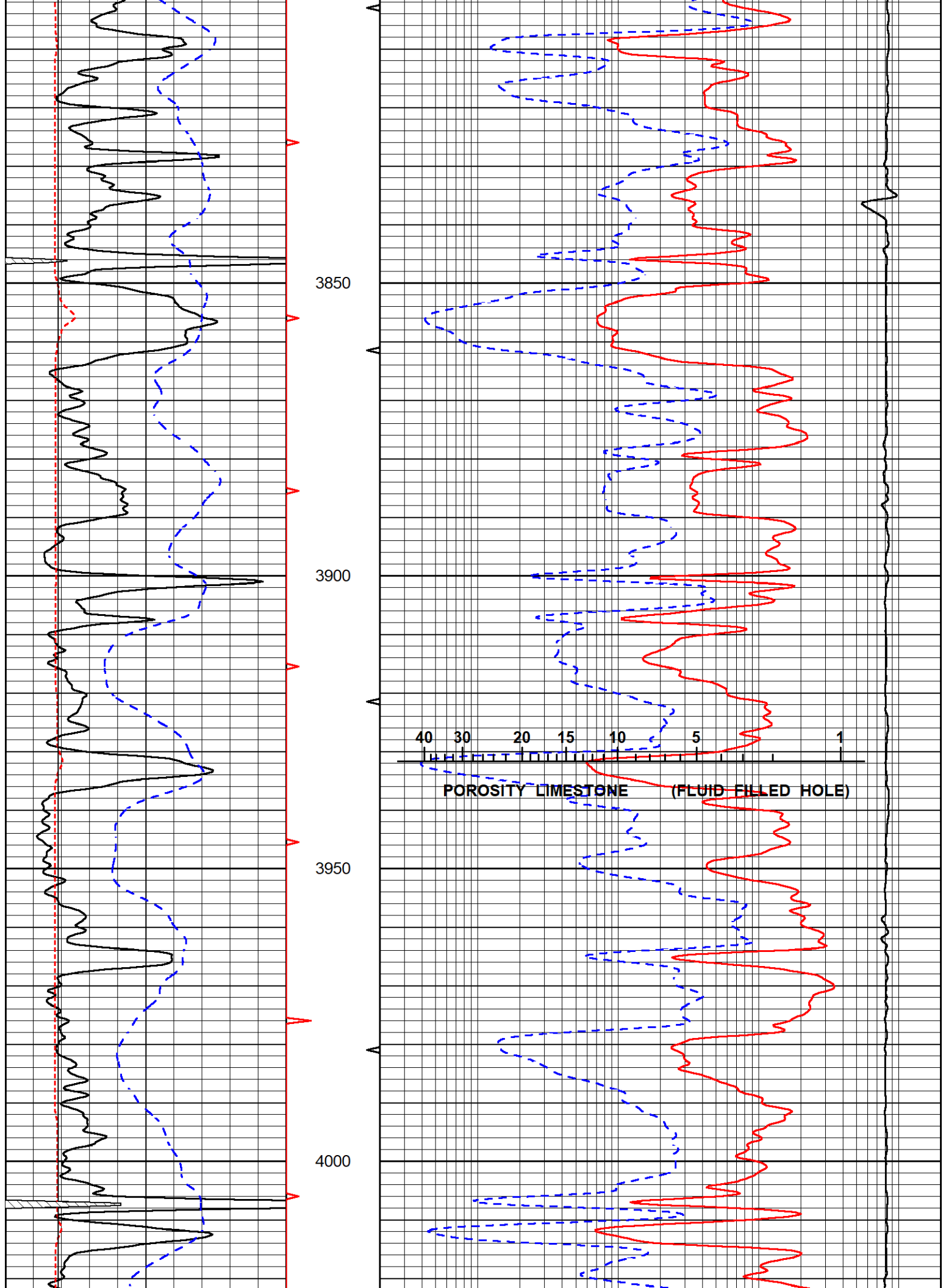
MAIN PASS

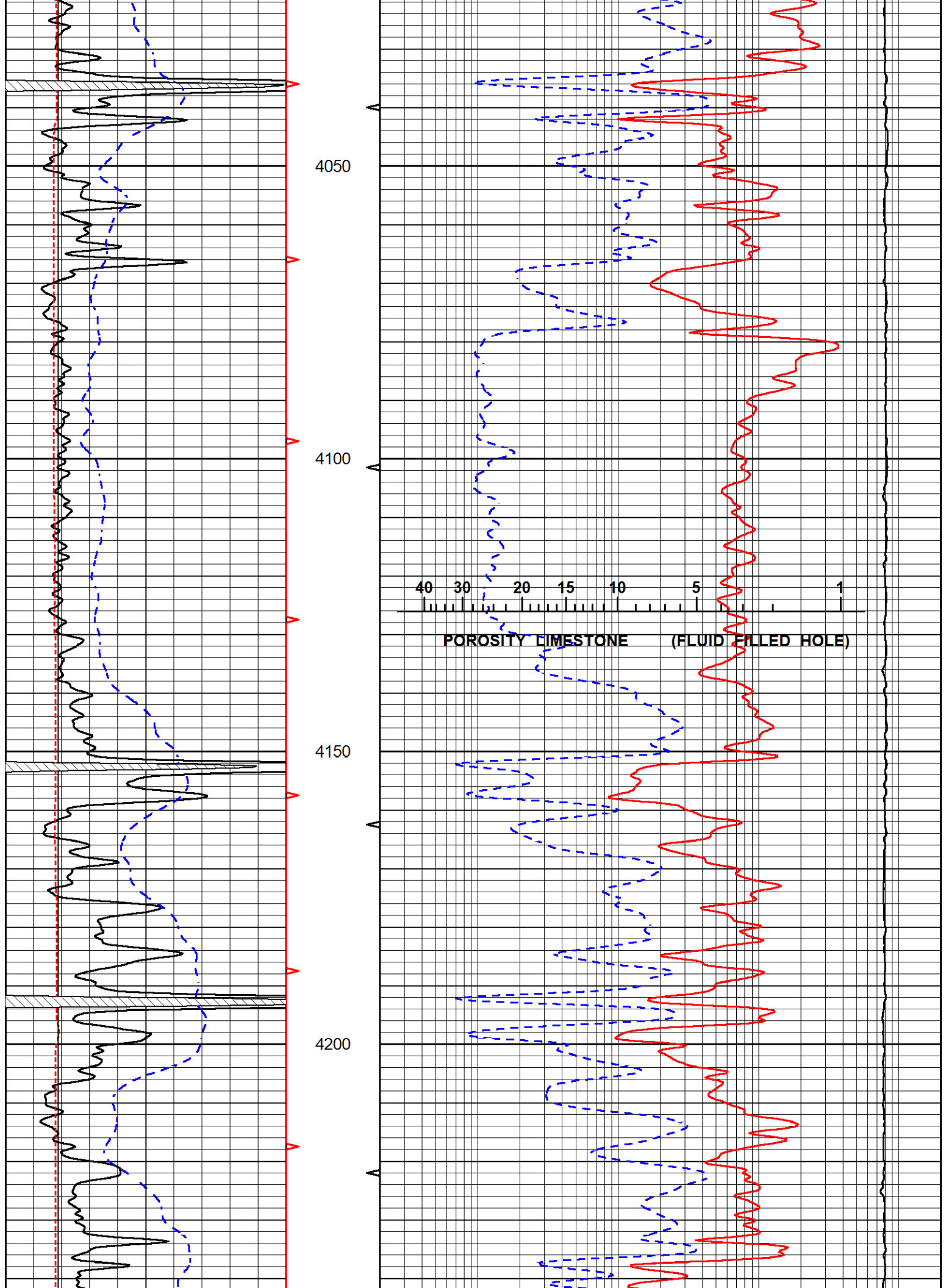
Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.1
Presentation Format ragcnl
Dataset Creation Thu Sep 12 21:58:43 2024
Charted by Depth in Feet scaled 1:240

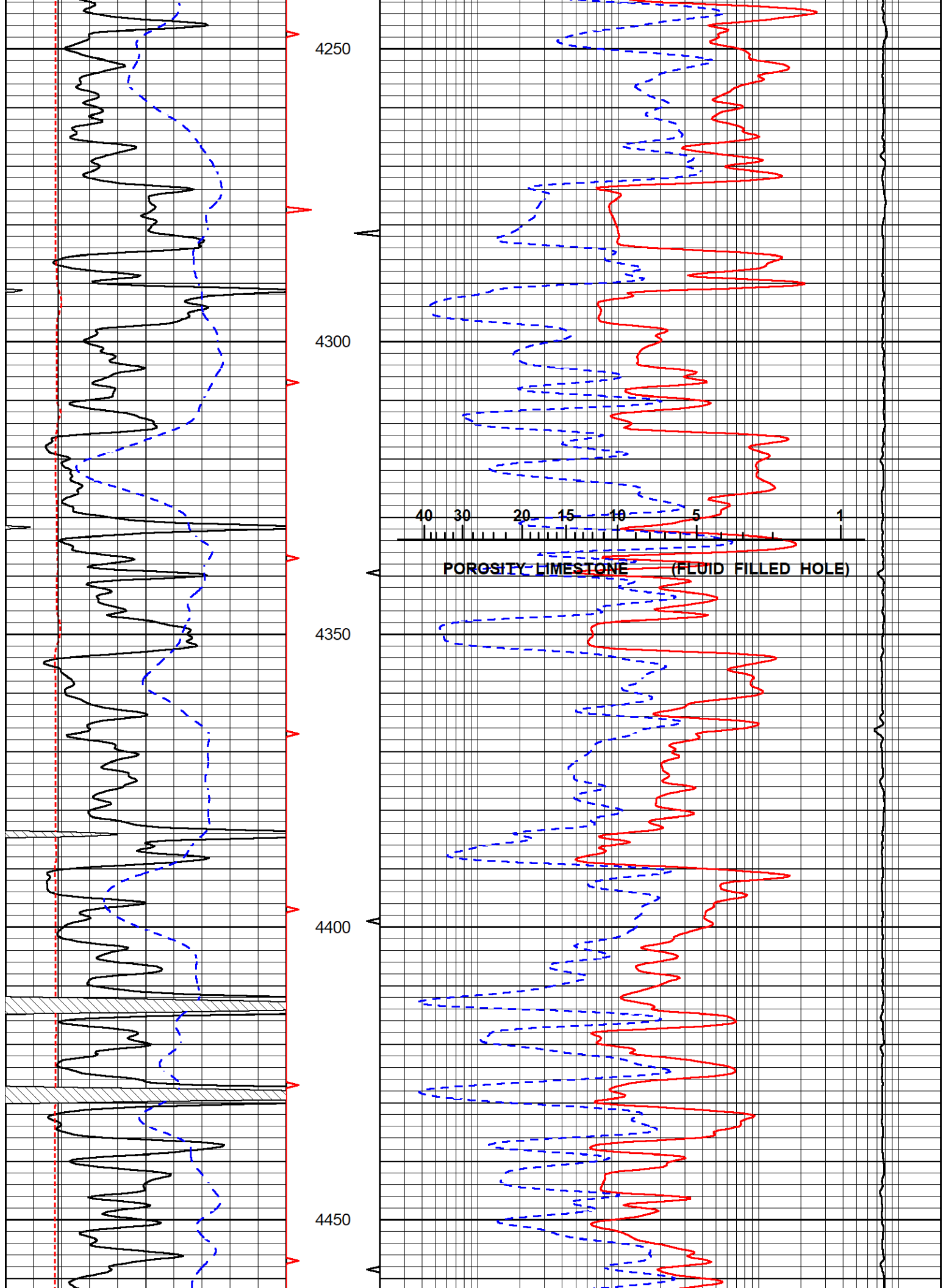
0	Gamma Ray (GAPI)	150
6	LCAL (in)	16
6	Bit Size	16
-200	SP (mV)	0

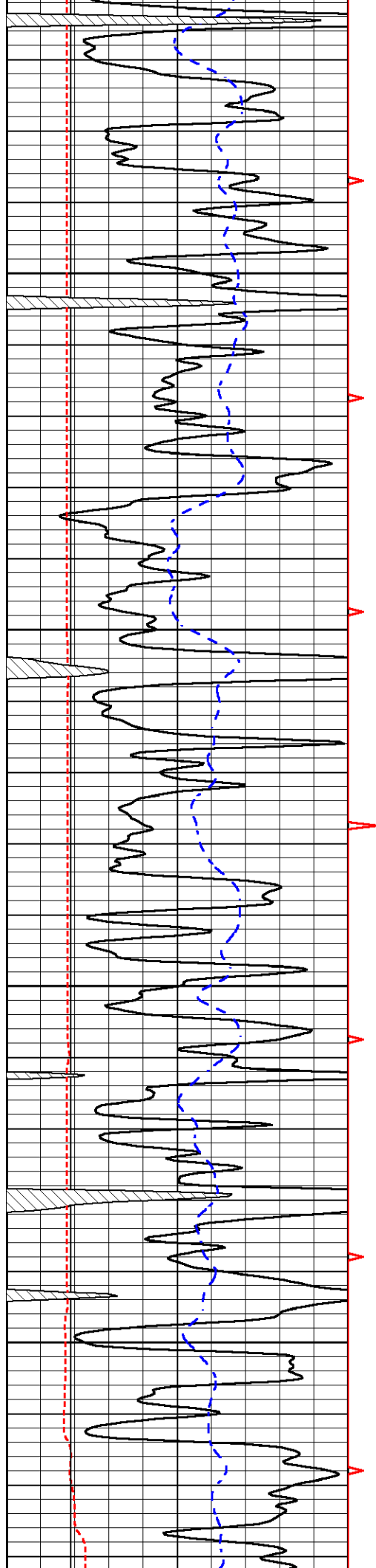
0.2	Shallow Guard (Ohm-m)	2000
9000	Compensated Neutron Porosity (cps)	29500
15000	Line Tension (lb)	0









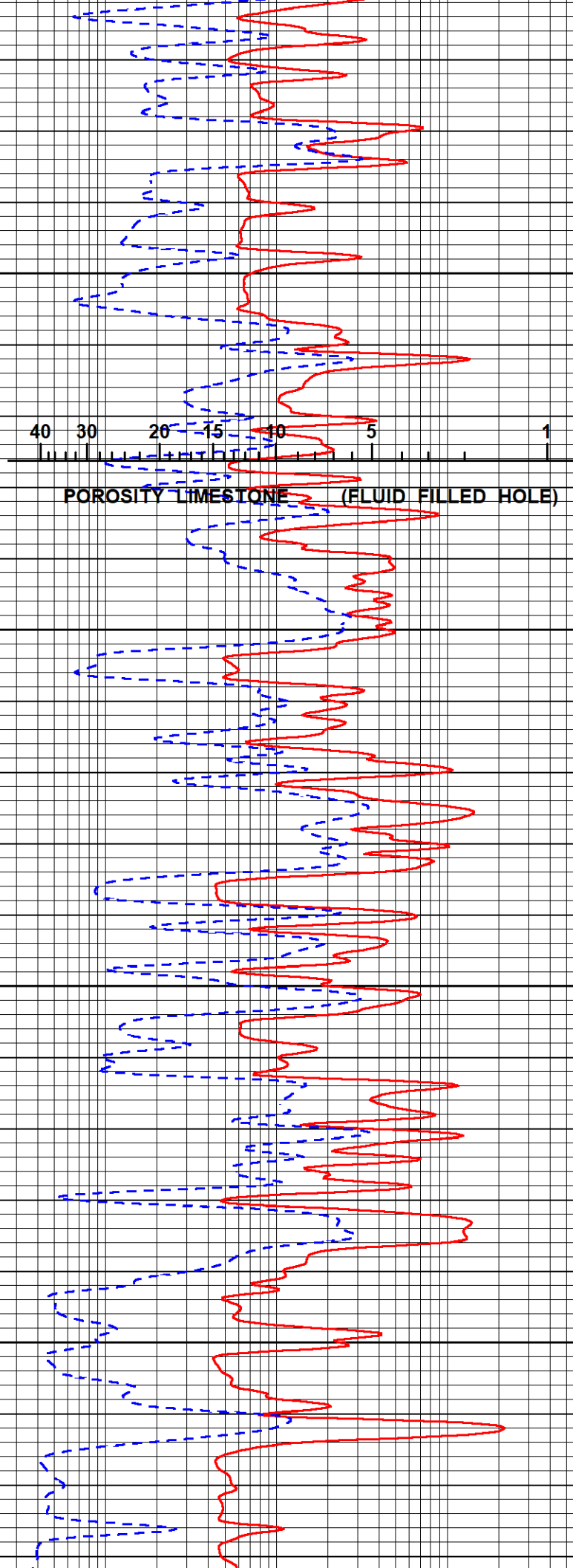


4500

4550

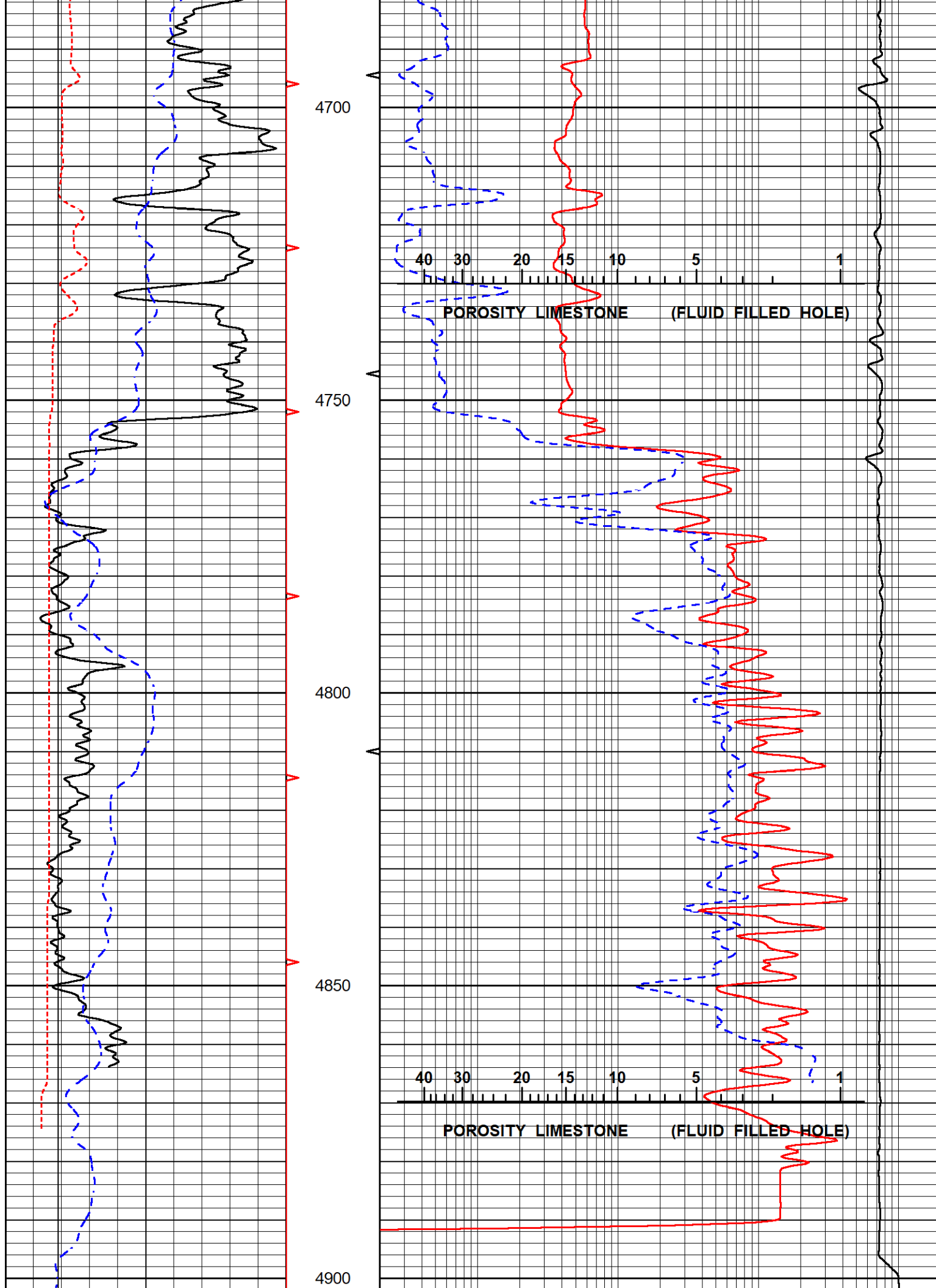
4600

4650



40 30 20 15 10 5 1

POROSITY LIMESTONE (FLUID FILLED HOLE)



0	Gamma Ray (GAPI)	150
6	LCAL (in)	16
6	Bit Size	16
-200	SP (mV)	0

0.2	Shallow Guard (Ohm-m)	2000
9000	Compensated Neutron Porosity (cps)	29500
15000	Line Tension (lb)	0



REPEAT SECTION

REPEAT PASS

Database File

berexco_anderson 2-28.db

Dataset Pathname

stkml/pass2.1

Presentation Format

ragcnl

Dataset Creation

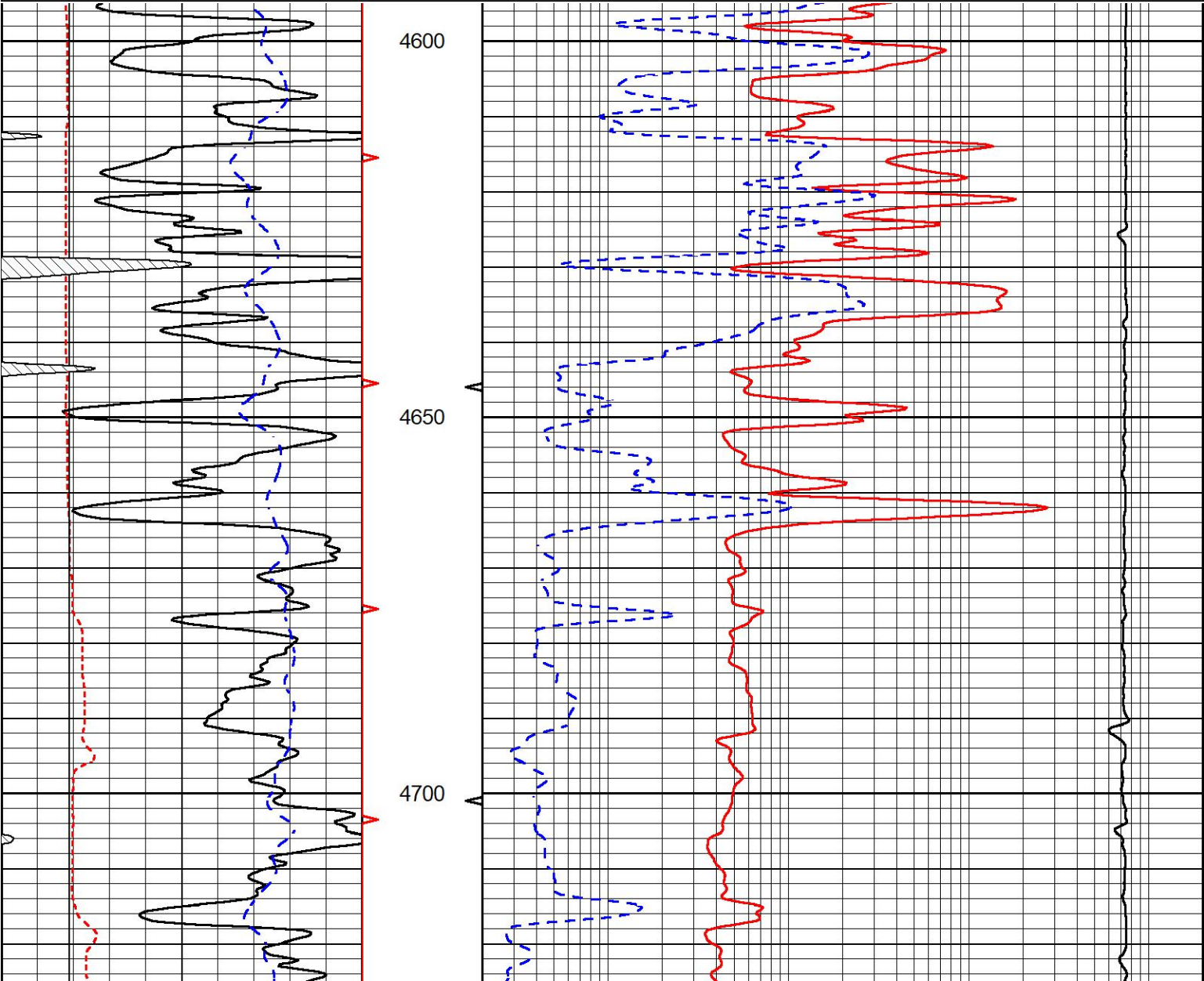
Thu Sep 12 21:43:50 2024

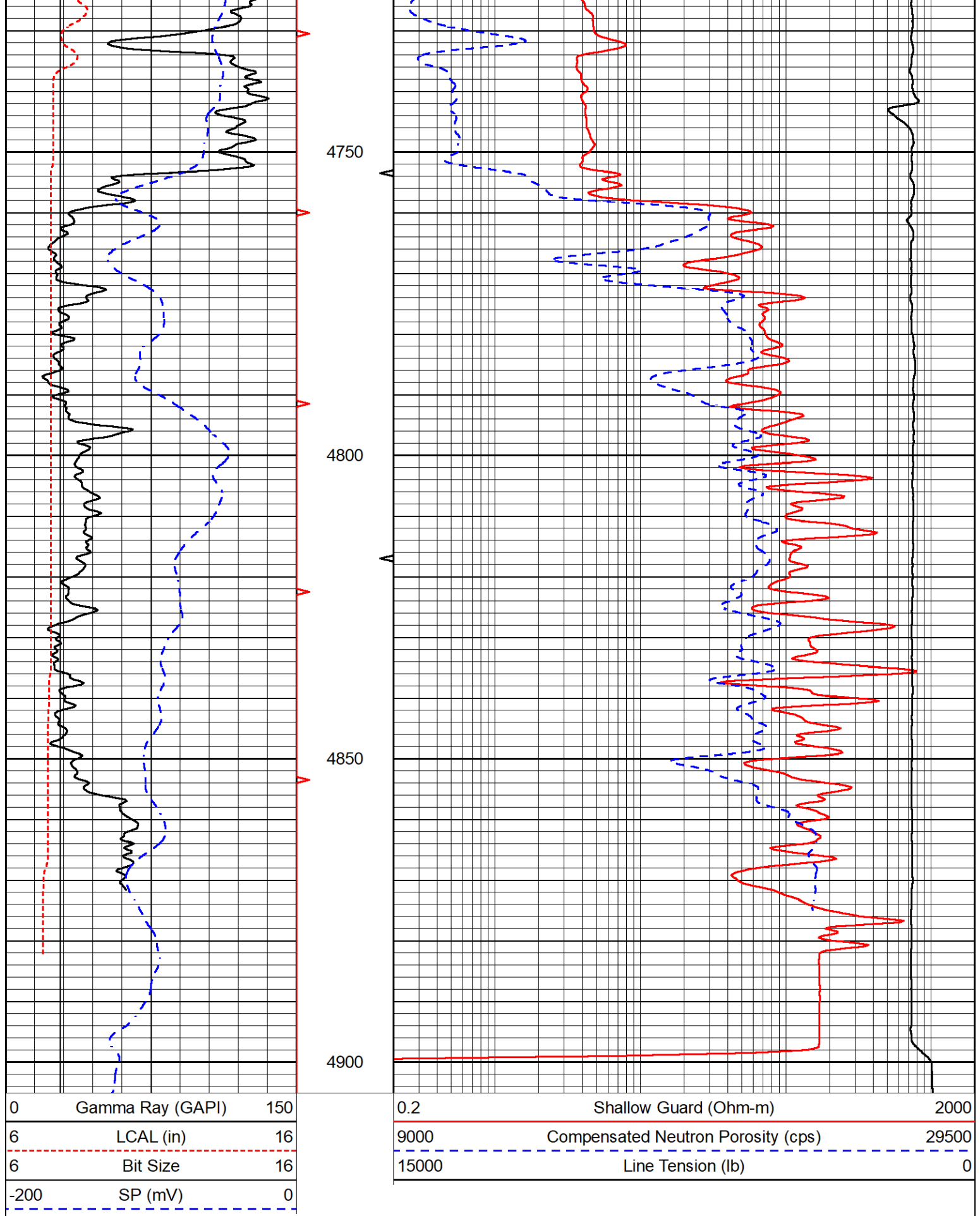
Charted by

Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	LCAL (in)	16
6	Bit Size	16
-200	SP (mV)	0

0.2	Shallow Guard (Ohm-m)	2000
9000	Compensated Neutron Porosity (cps)	29500
15000	Line Tension (lb)	0





Calibration Report

Database File berexco_anderson 2-28.db
Dataset Pathname stkml/pass3.1
Dataset Creation Thu Sep 12 21:58:43 2024

Dual Induction Calibration Report								
Serial-Model: Surface Cal Performed:				508A-M&W Thu Aug 29 21:13:42 2024				
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	84.200	428.150		0.000	255.800	mmho/m	0.485	-50.000
Medium	141.000	670.654		0.000	255.800	mmho/m	0.410	-43.500
Microlog Calibration Report								
Serial-Model: Performed:				402-PSI STKBL ML Thu May 30 05:58:00 2024				
Readings			References			Results		
	Zero	Cal		Zero	Cal		m	b
Normal	0.0037	0.0043		0.0000	10.0000	Ohm-m	6500.0000	-0.2000
Inverse	0.1208	0.0013		0.0000	10.0000	Ohm-m	6500.0000	0.0000
Caliper	1.0046	1.1419		5.5000	20.0000	in	50.0000	-44.5500
LITHODENSITY Calibration Report								
Serial Number:		703-03						
Tool Model:		STEP LITHO Short						
Performed:		Fri May 31 13:59:15 2024						
Source:								
	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8
Background:								
SS:	56	59	223	276	25	75	46	1 cps
LS:	83	90	344	441	51	132	90	3 cps
Aluminum:								
SS:	1063	1260	2893	2631	48	80	48	3 cps
LS:	1179	2084	3854	1823	62	133	86	5 cps
Magnesium:								
SS:	1756	2035	4740	3894	55	79	49	4 cps
LS:	4981	8390	15059	6054	115	127	85	14 cps
Aluminum+Iron:								
SS:	676	887	2426	2310	45	79	52	2 cps
LS:	700	1495	3280	1630	60	131	90	5 cps
		Density			PE			
		Actual	Calibrated		Actual	Calibrated	Quality	
Background:								
SS:							0.236	
LS:							0.189	
Aluminum:								
SS:		2.6000	2.6000	g/cc			0.249	
LS:		2.6000	2.6000	g/cc			0.216	
Magnesium:								
SS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.232	
LS:		1.6800	1.6800	g/cc	2.5700	2.5700	0.198	
Aluminum+Iron:								
SS:						6.1800	0.208	
LS:						6.1800	0.188	

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	1.0
Large Ring:	14.0 in	1.0
Gain:	12.765	
Offset:	2.050	

Compensated Neutron Calibration Report

Serial Number:	210
Tool Model:	M&W

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	6240.00 cps	1000.00 cps	1.6025
Long Space	460.00 cps	1000.00 cps	1.9500

Gamma Ray Calibration Report

Serial Number:	105
Tool Model:	M&W
Performed:	Sat Oct 21 23:48:19 2023

Calibrator Value:	500.0	GAPI
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Background Reading:	24.0	cps
Calibrator Reading:	637.0	cps

Sensitivity:	0.6000	GAPI/cps
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Company	Berexco, LLC
Well	Anderson #2-28
Field	Amazon Ditch East
County	Finney
State	Kansas