



MIDWEST WIRELINE

RADIATION GUARD LOG

Company Berexco, LLC
Well Weinman #1
Field Dayton
County Phillips
State Kansas

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Location: API #: 15-147-20760-00-00
620 FSL 1650 FWL
SEC 25 TWP 2S RGE 19W
Permanent Datum Ground Level Elevation 2129
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
CNL/CDL
MEL/BHCS
DIL
Elevation
K.B. 2139
D.F.
G.L. 2129

Date	2/25/2022
Run Number	One
Depth Driller	3650
Depth Logger	3642
Bottom Logged Interval	3641
Top Log Interval	2800
Casing Driller	8-625 @ 273
Casing Logger	7.875
Type Fluid in Hole	Chemical
Salinity, ppm Cl	800
Density / Viscosity	9.3 57
pH / Fluid Loss	10 8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.9 @ 70
Rmt @ Meas. Temp	.68 @ 70
Rmc @ Meas. Temp	1.22 @ 70
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.56 @ 113
Operating Rig Time	4 Hours
Max Rec. Temp. F	113
Equipment Number	P-24
Location	Hays
Recorded By	C McLaughlin
Witnessed By	Bryan Bynog
	D Schmidt

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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.

Phillipsburg
5 West to 500 Rd,
4 North to Limestone Rd
1/4 East, North into

Log Measured From: Kelly Bushing 10 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: C McLaughlin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Bryan Bynog
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	32.75		GR-M&W (101)	3.00	3.50	50.00
CNLSC CNSSC	29.65 28.90		CNT-M&W (207-MW)	5.00	3.50	100.00
LSD DCAL SSD	20.60 20.58 20.10		CDL-M&W (305-05)	8.50	4.00	250.00
RLL3F RLL3	15.50 15.50		DIL-M&W (501 HT)	18.25	3.50	220.00
CILD	8.33		CILM	4.50		
SP	0.20					

Dataset: berexco_weinman #1.db: field/well/stack/pass3.1
 Total length: 34.75 ft
 Total weight: 620.00 lb
 O.D.: 4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\berexco_weinman #1.db
 Dataset field/well/stack/pass3.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	113	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	240	10	Off	3642

Variable Description

A : Cement Factor (a)
 BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 FLUIDDEN : Fluid Density
 M : Cement Exp (m)
 MATRXDEN : Matrix Density

NPORSEL : Neutron Porosity Curve Select
 PERFS : Perforation Flag
 SNDERR : Deep Sonde Error Correction
 SNDERRM : Medium Sonde Error Correction
 SPSHIFT : S.P. Baseline Offset
 SRFTEMP : Surface Temperature
 SZCOR : CN Size Cor. ?
 TDEPTH : Total Depth

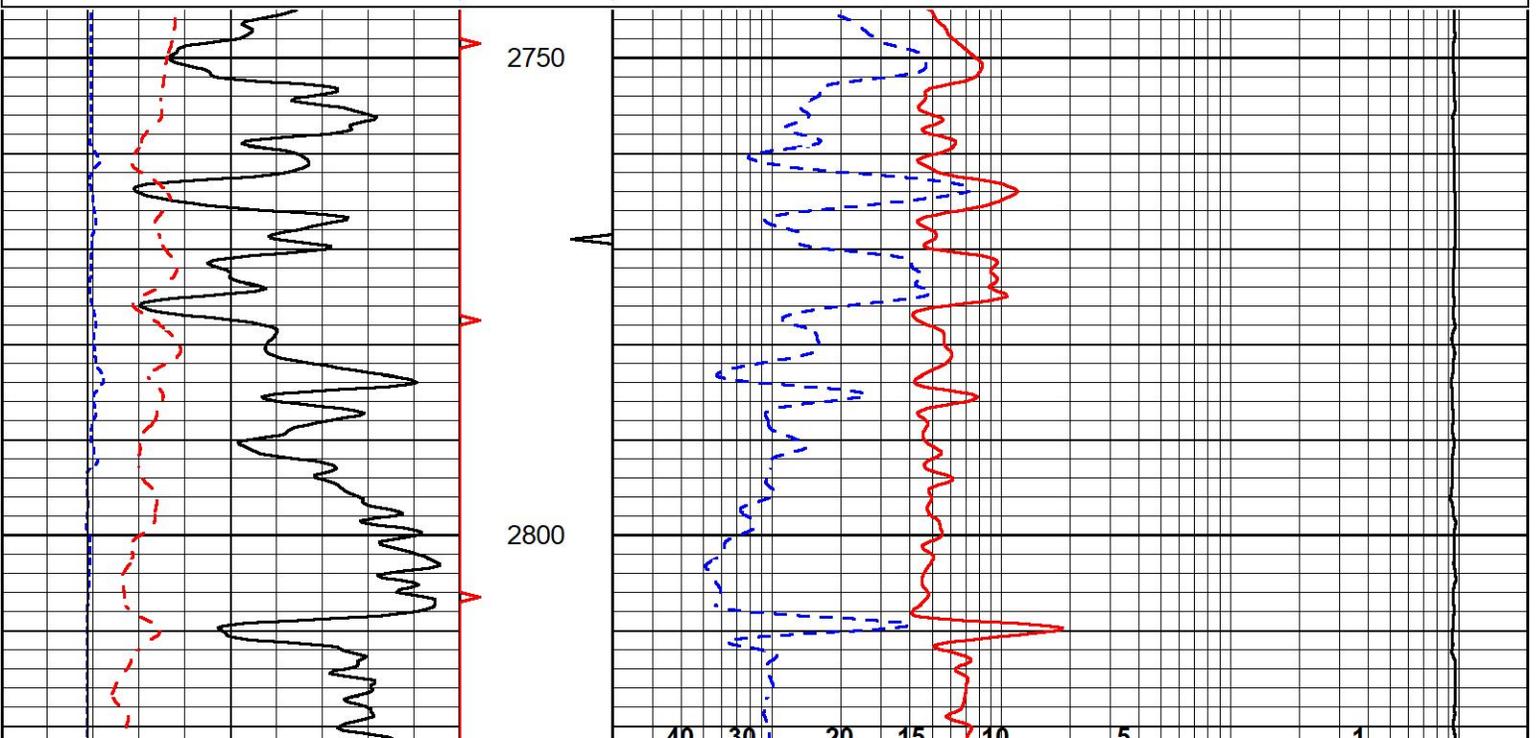


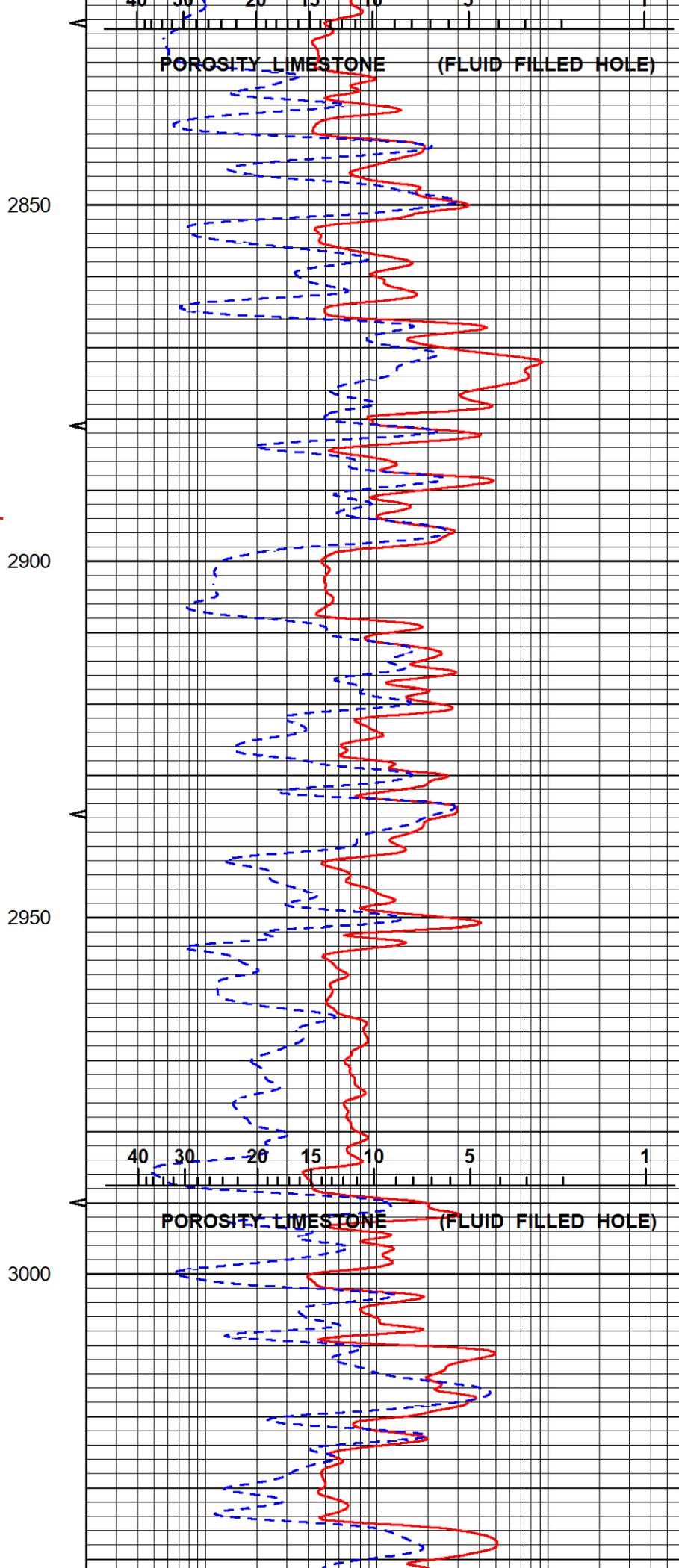
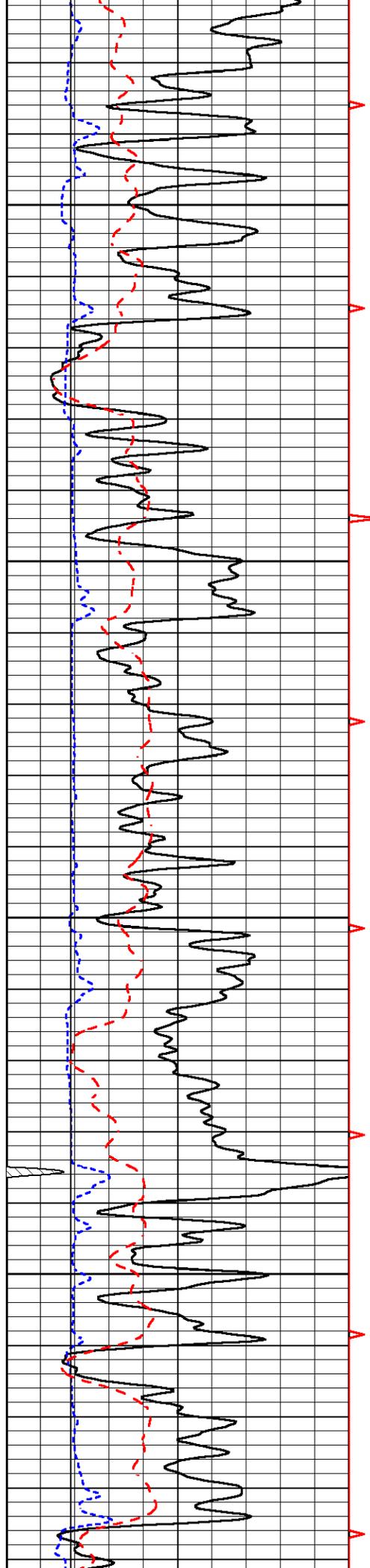
DETAIL SECTION

MAIN PASS

Database File berexco_weinman #1.db
 Dataset Pathname stack/pass3.1
 Presentation Format ragcnl
 Dataset Creation Fri Feb 25 21:54:39 2022
 Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0.2	Shallow Resistivity (Ohm-m)	2000
6	Caliper (in)	16	9800	Neutron (cps)	29500
0	SP (mV)	200	15000	Line Weight (lb)	0



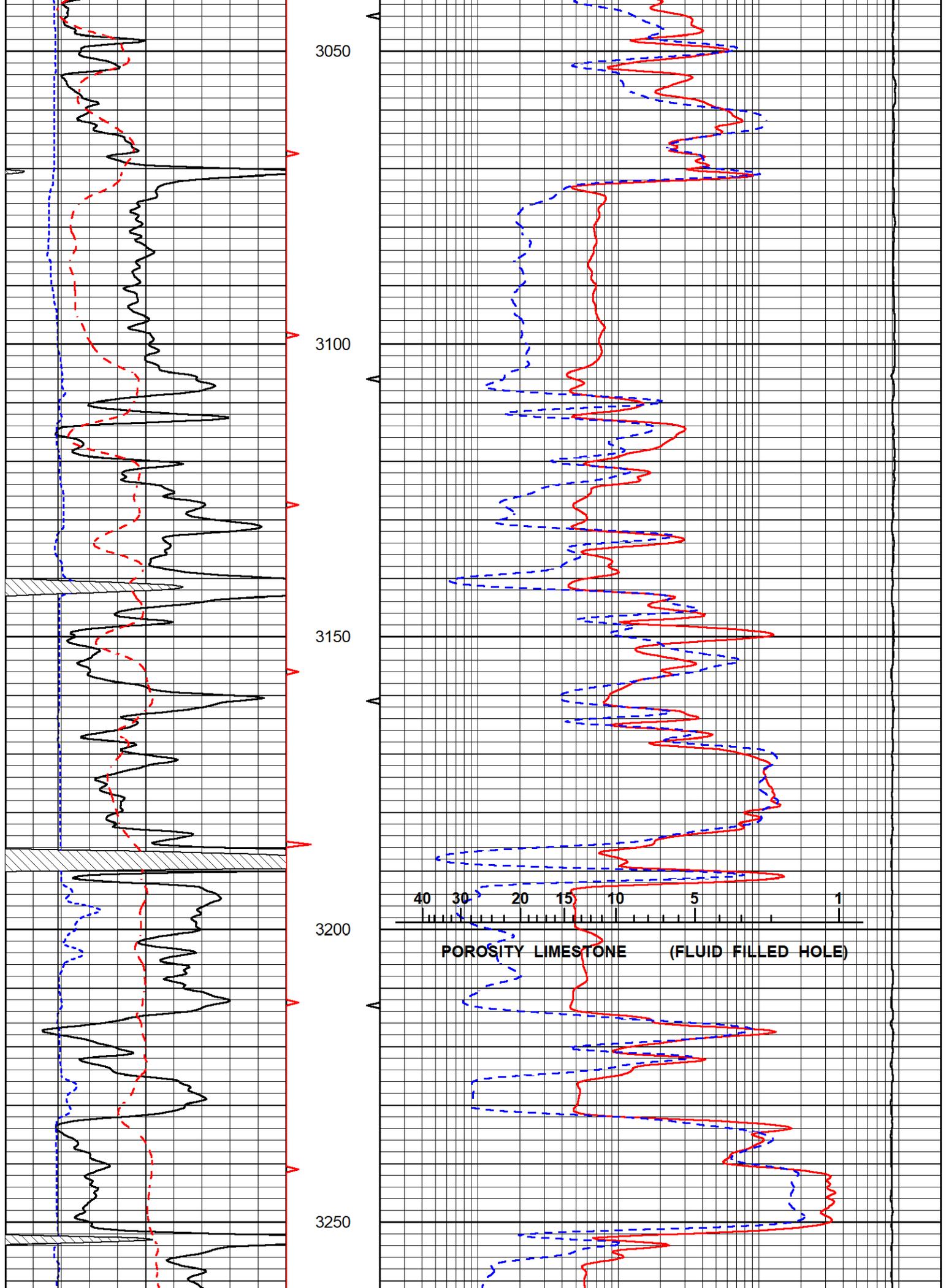


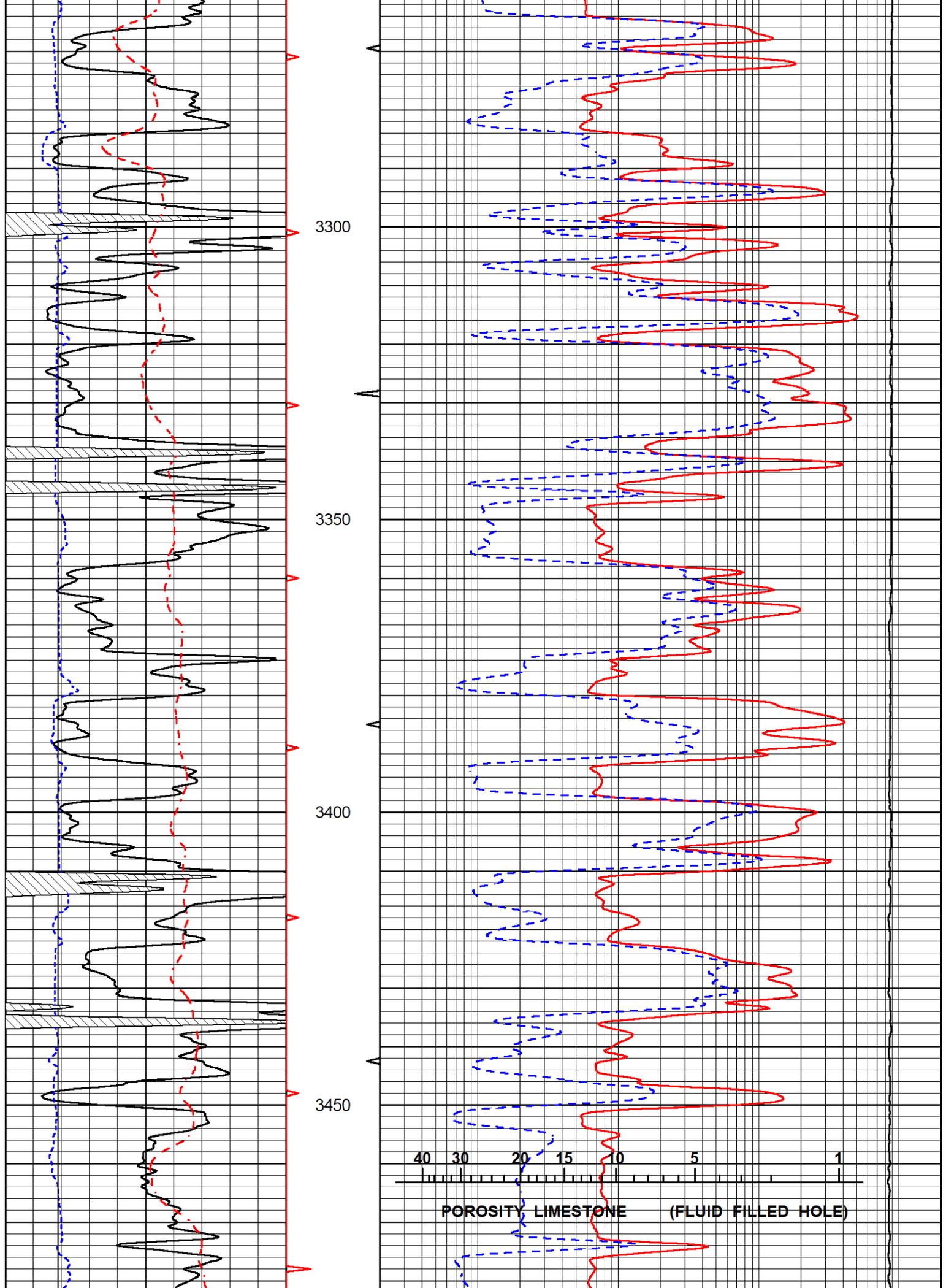
2850

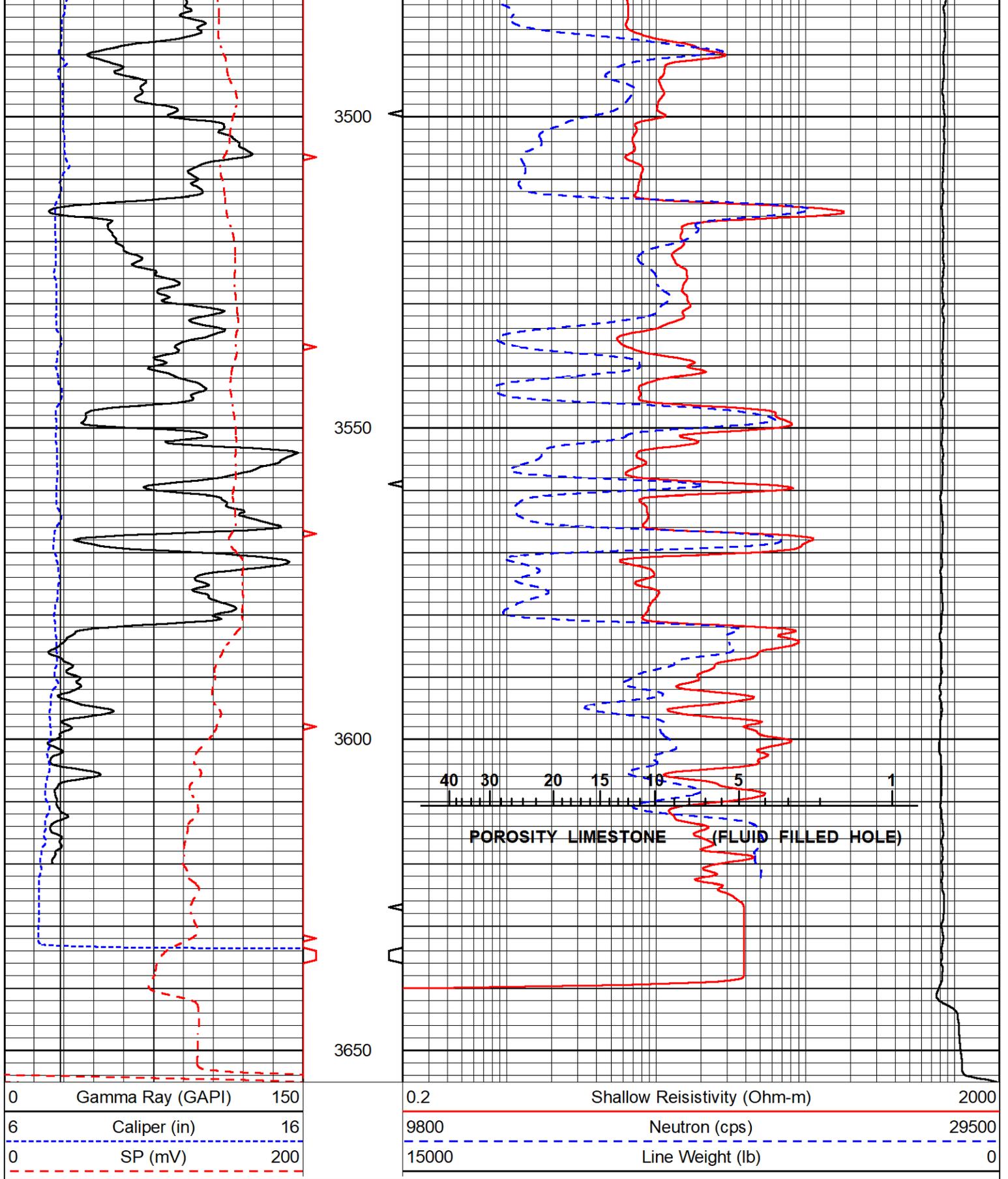
2900

2950

3000







Calibration Report

Database File berexco_weinman #1.db
 Dataset Pathname stack/pass3.1
 Dataset Creation Fri Feb 25 21:54:39 2022

Dual Induction Calibration Report

Loop:	Readings		References		Results		
	Air	Loop	Air	Loop	m	b	
Deep	83.639	487.104	0.000	183.000	mmho/m	0.455	-41.500
Medium	113.335	1585.690	0.000	442.000	mmho/m	0.320	-35.000

Compensated Density Calibration Report

Serial-Model: 305-05-M&W
 Source #: 20762B
 Master Calibration Performed: Mon Jan 24 19:14:33 2022

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	8758.11	9709.36	cps
Aluminum	2.630	g/cc	1513.14	5652.54	cps
Spine Angle = 72.88			Density/Spine Ratio = 0.476		
	Size		Reading		
Small Ring	4.00	in	1.75		
Large Ring	14.00	in	1.38		

Compensated Neutron Calibration Report

Serial-Model: 207-MW-M&W
 Source #: 100046B
 Master Calibration Performed: Mon Nov 29 15:06:24 2021

Master 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: 101
 Tool Model: M&W
 Performed: Mon Jan 24 19:14:46 2022

Calibrator Value: 500.0 GAPI

Background Reading: 24.0 cps
 Calibrator Reading: 637.0 cps

Sensitivity: 0.5500 GAPI/cps



Company Berexco, LLC
 Well Weinman #1
 Field Dayton



County	Phillips
State	Kansas