



MIDWEST WIRELINE

DUAL COMP POROSITY LOG

Company Darrah Oil Company LLC
Well Keller 25C #1
Field Pritchard
County Barton State Kansas

Location: API #: 15-009-26324-00-00
SEC 25 TWP 20S RGE 14W
Permanent Datum Ground Level Elevation 1896
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
DIL
MEL/BHCS
Other Services
K.B. 1906
D.F.
G.L. 1896

Date	1/18/2022						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3556						
Depth Logger	3550						
Bottom Logged Interval	3529						
Top Logged Interval	2800						
Type Fluid In Hole	Chemical						
Salinity, PPM CL							
Density							
Level	Full						
Max. Rec. Temp. F	112						
Operating Rig Time	4 Hours						
Equipment -- Location	P-108 HAYS						
Recorded By	J. Henrickson						
Witnessed By	Saman Sharifaie						
Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	293	8.625	24	0	293
Two	7.875	293	TD				

<<< Fold Here >>>

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.

Great Bend Kansas
5 South, East to 30 Rd, 1/2 South,
East Into

Log Measured From: Kelly Bushing 11 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: J. Henrickson		Primary Witness: Saman Sharifaie	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	
Operator:		Secondary Witness:	

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 114	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 380	degF 55	Off	ft 3350

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.33		GR-M&W (103)	3.00	3.50	50.00
CNLSC CNSSC	37.23 36.48		CNT-M&W (210)	5.00	3.50	100.00
LSD DCAL SSD	28.18 28.17 27.68		CDL-M&W (303-03)	8.50	4.00	250.00
ML-PSI STKBL ML (402)			ML-PSI STKBL ML (402)	7.58	4.00	65.00
MCAL MI MN	19.58 19.58 19.58					
RLL3F RLL3	15.50 15.50					
CILD	8.33		DIL-M&W (504 HT)	18.25	3.50	220.00

CILM 4.50

SP 0.20

Dataset: darrah_keller_25c_1.db: field/well/stackml/pass4.1
 Total length: 42.33 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in



MIDWEST WIRELINE

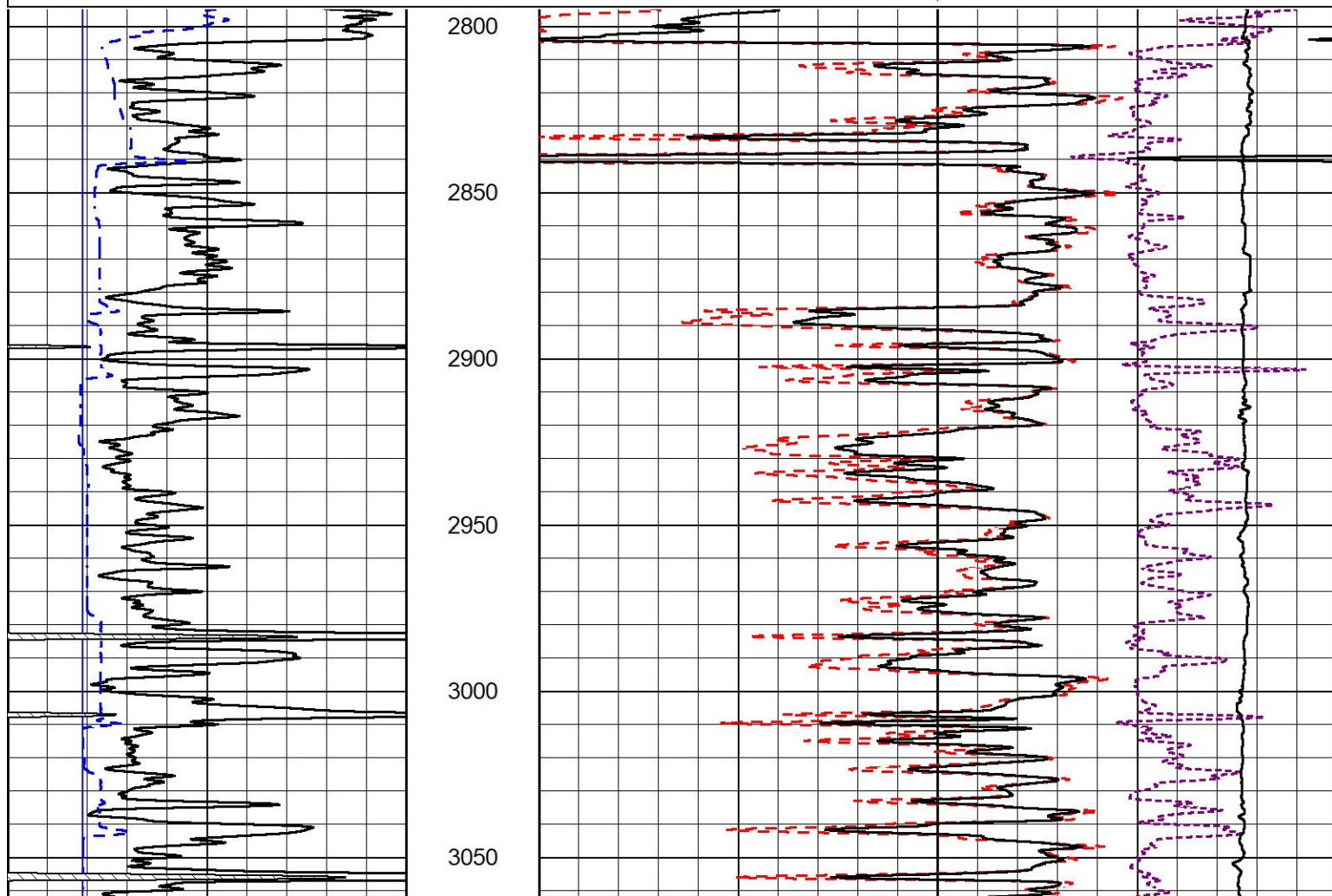
2" SCALE BULK DENSITY

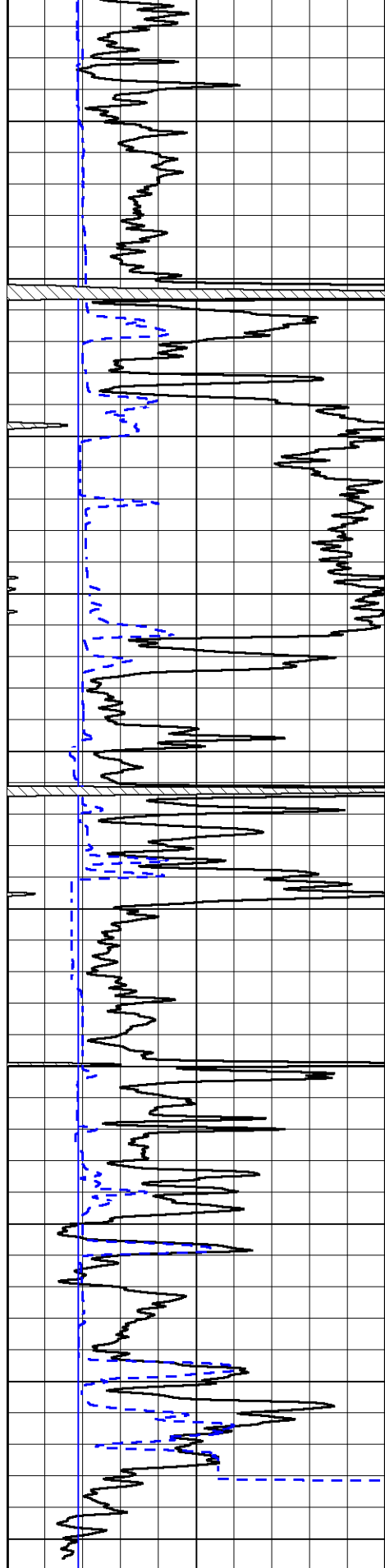
MAIN PASS

Database File darrah_keller_25c_1.db
 Dataset Pathname stackml/pass3.1
 Presentation Format _cdl
 Dataset Creation Tue Jan 18 09:10:44 2022
 Charted by Depth in Feet scaled 1:600

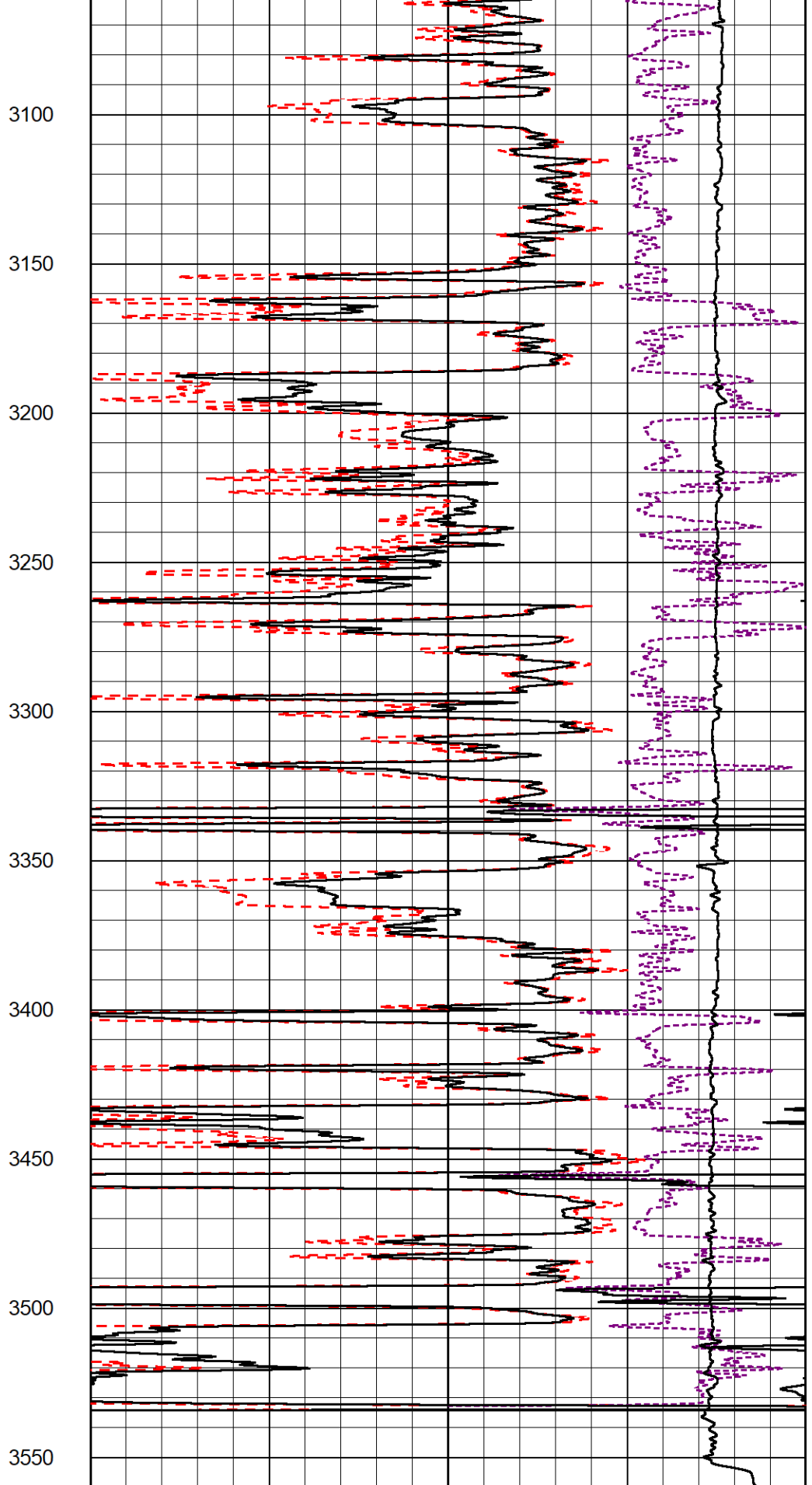
0 Gamma Ray (GAPI) 150
 6 Caliper (in) 16

30 Compensated Density (pu) -10
 2 Bulk Density (g/cc) 3
 15000 Line Tension (lb) 0
 -0.25 Correction (g/cc) 0.25





0	Gamma Ray (GAPI)	150
6	Caliper (in)	16



30	Compensated Density (pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25



MIDWEST WIRELINE

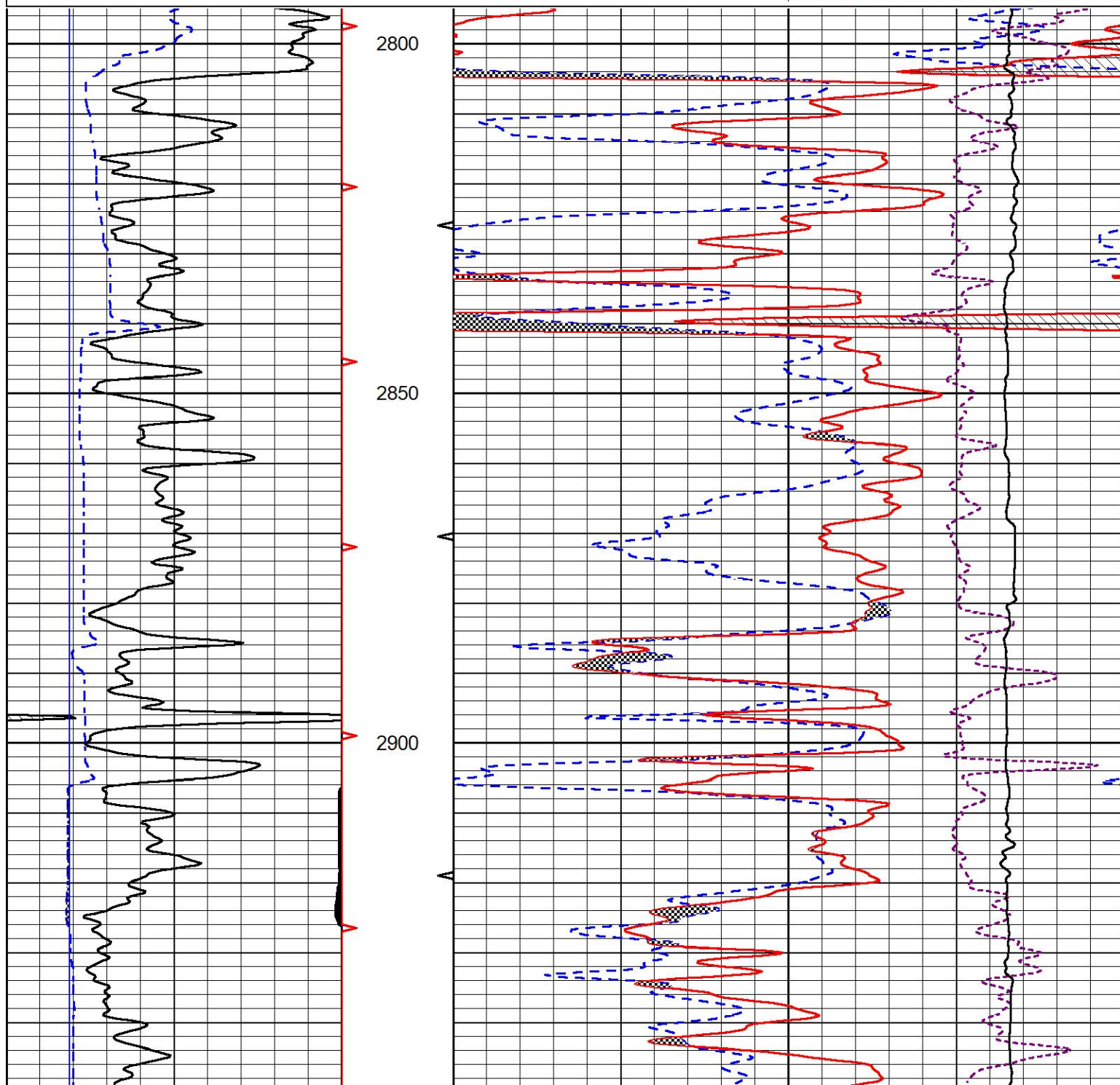
DETAIL SECTION

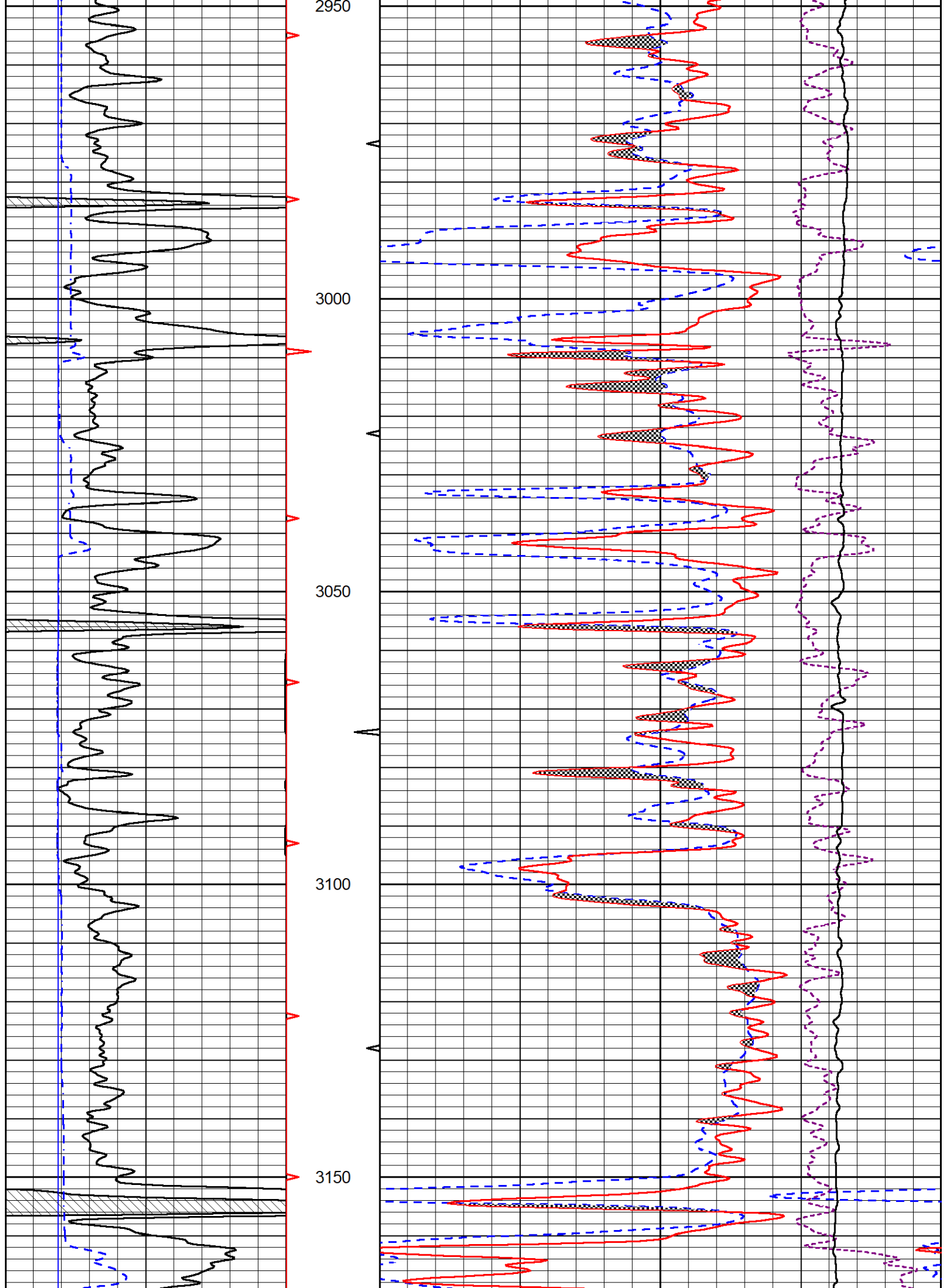
MAIN PASS

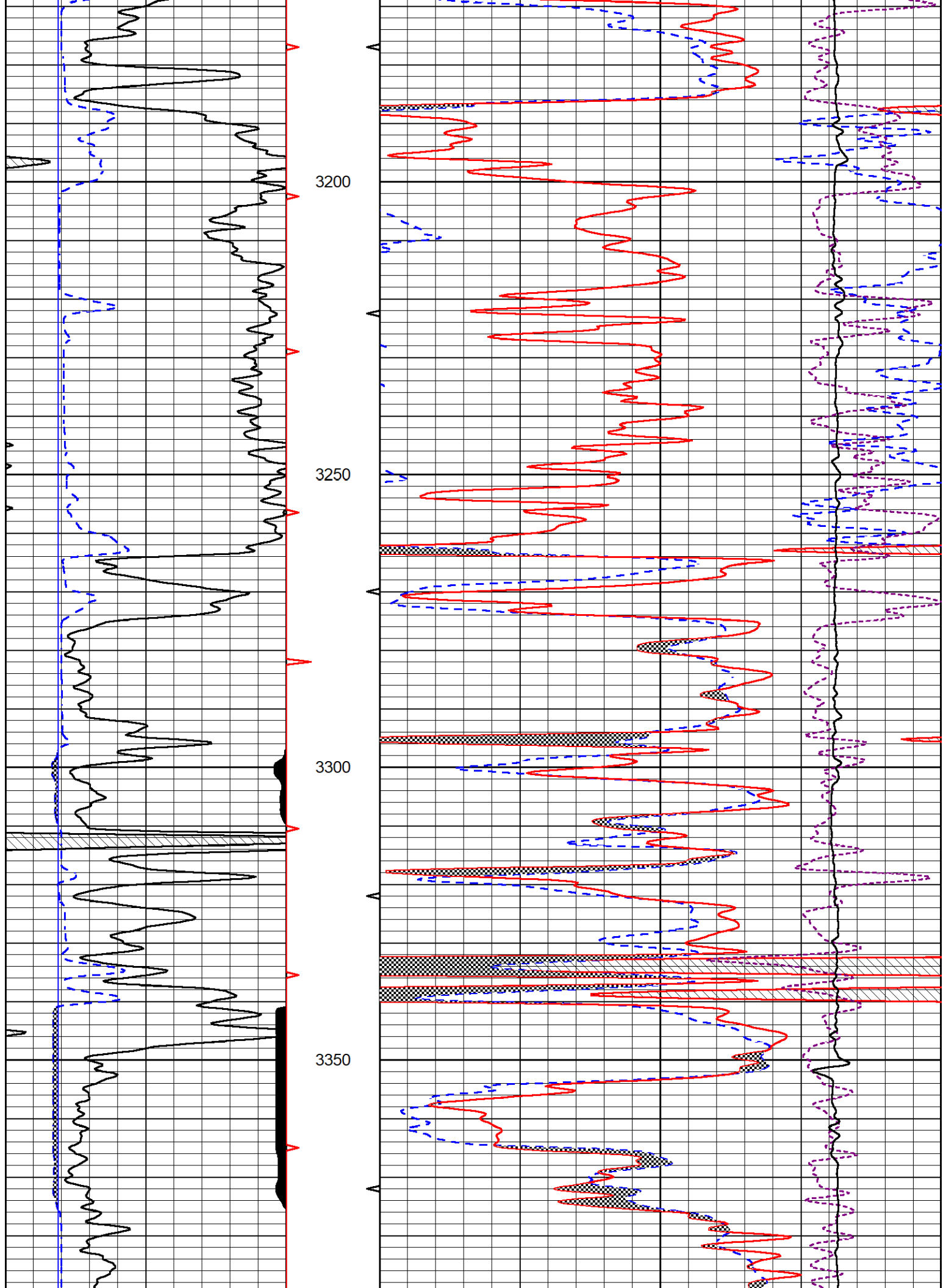
Database File darrah_keller_25c_1.db
Dataset Pathname stackml/pass4.1
Presentation Format _CNDLS~1
Dataset Creation Tue Jan 18 09:11:10 2022
Charted by Depth in Feet scaled 1:240

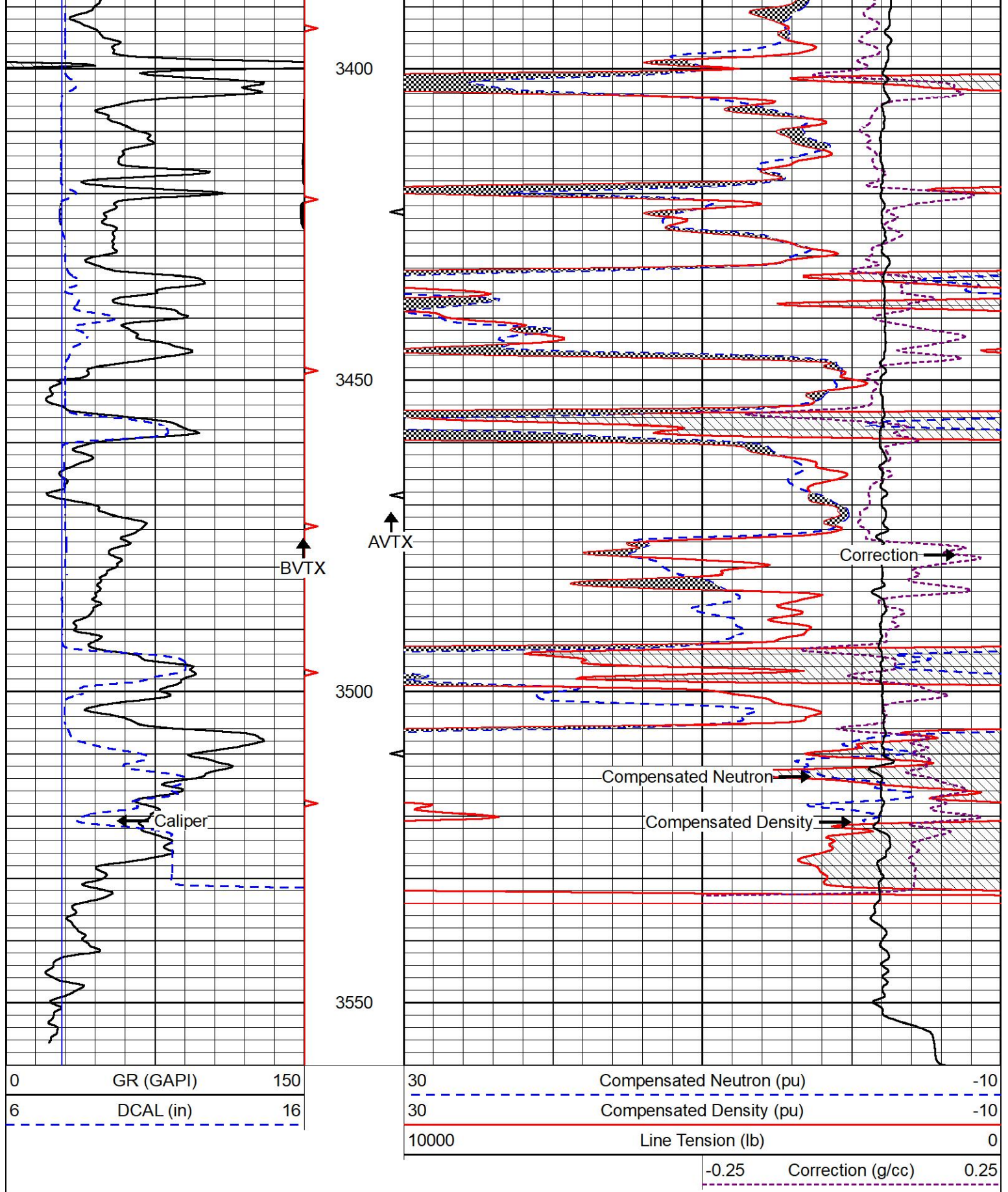
0	GR (GAPI)	150
6	DCAL (in)	16

30	Compensated Neutron (pu)	-10
30	Compensated Density (pu)	-10
10000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25









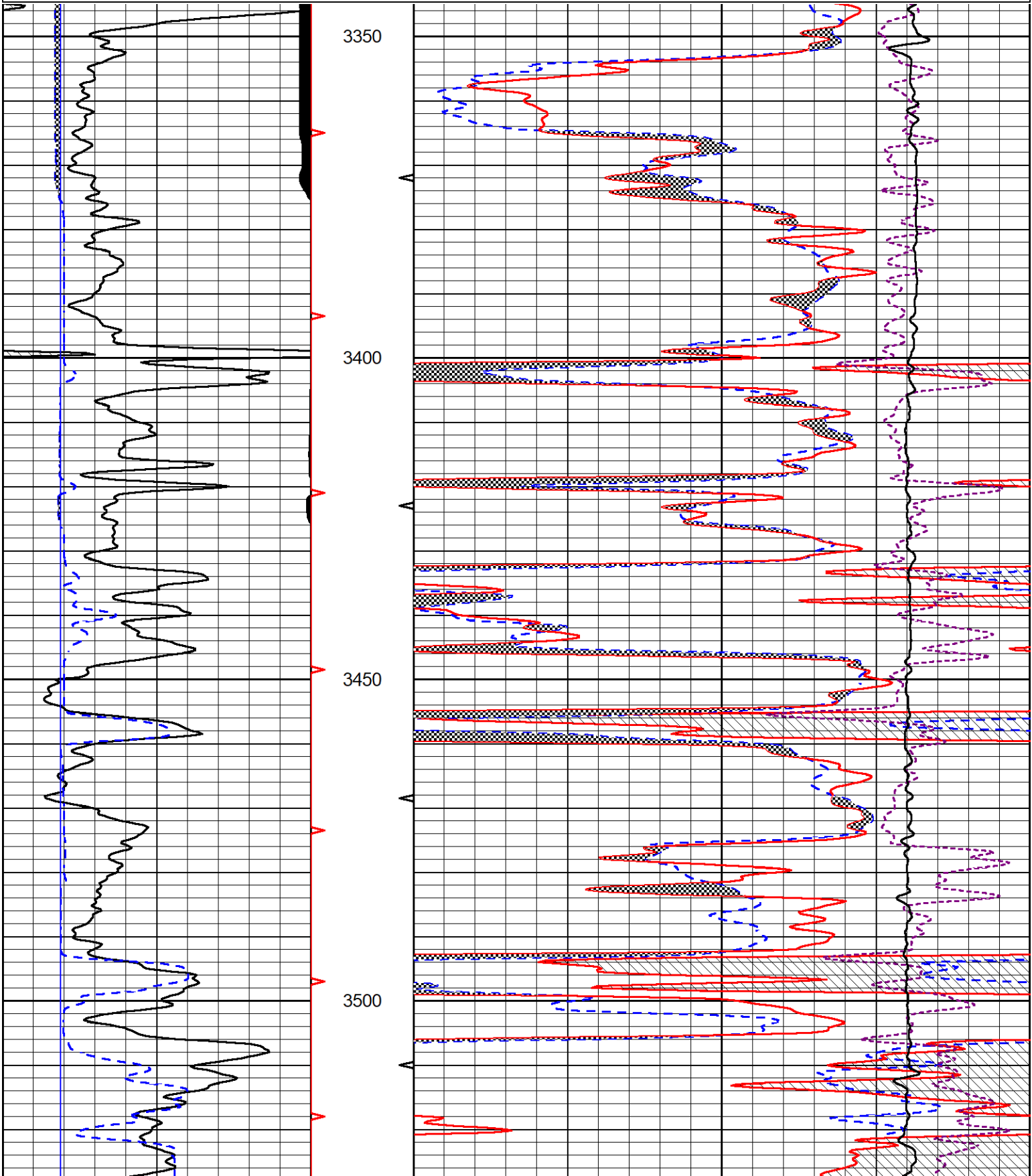
MIDWEST WIRELINE

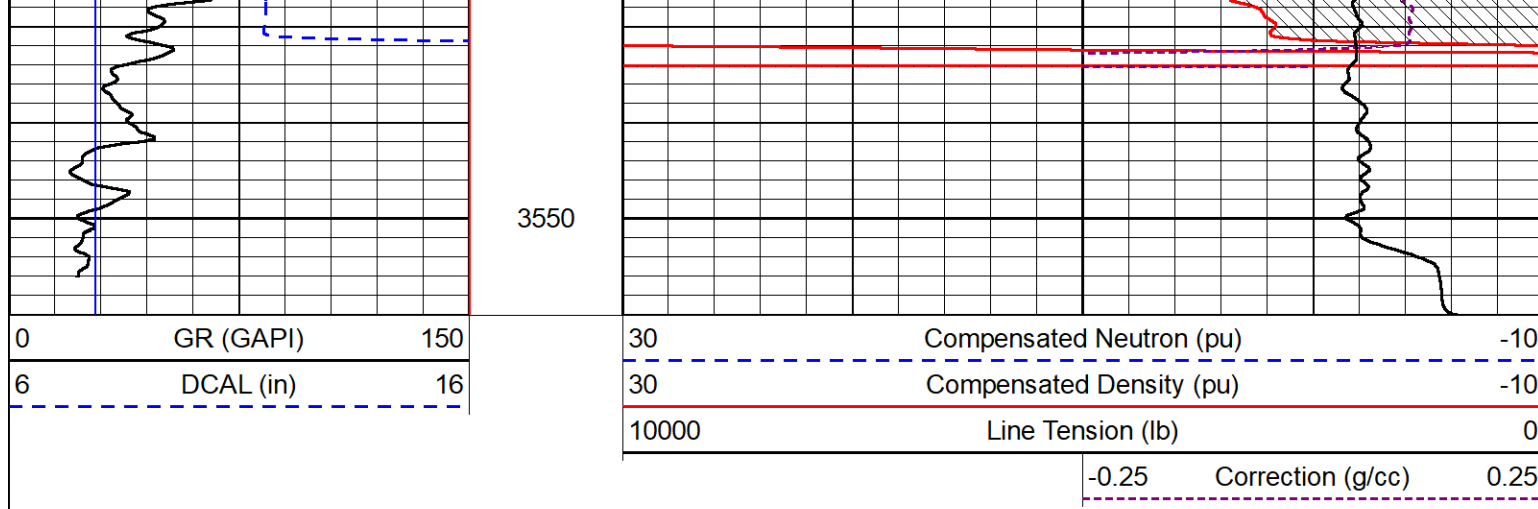
REPEAT SECTION

REPEAT PASS

Database File	darrah_keller_25c_1.db
Dataset Pathname	stackml/pass2.1
Presentation Format	_CNDLS~1
Dataset Creation	Tue Jan 18 08:56:41 2022
Charted by	Depth in Feet scaled 1:240

0	GR (GAPI)	150	30	Compensated Neutron (pu)	-10
6	DCAL (in)	16	30	Compensated Density (pu)	-10
			10000	Line Tension (lb)	0
				-0.25	Correction (g/cc) 0.25





Calibration Report	
Database File	darrah_keller_25c_1.db
Dataset Pathname	stackml/pass4.1
Dataset Creation	Tue Jan 18 09:11:10 2022

Dual Induction Calibration Report	
Serial-Model:	504 HT-M&W
Surface Cal Performed:	Thu Dec 16 22:32:49 2021

Readings		References		Results	
Loop:	Air	Loop	Air	Loop	
Deep	178.615	710.235	0.000	255.800	mmho/m
Medium	161.982	1441.110	0.000	255.800	mmho/m

Microlog Calibration Report	
Serial-Model:	402-PSI STKBL ML
Performed:	Thu Dec 16 22:29:48 2021

Readings		References		Results	
	Zero	Cal	Zero	Cal	
Normal	0.0037	0.0043	0.0000	10.0000	Ohm-m
Inverse	0.1208	0.0013	0.0000	10.0000	Ohm-m
Caliper	1.0020	1.0834	5.5000	16.5000	in

Compensated Density Calibration Report	
Serial-Model:	303-03-M&W
Source #:	21170B
Master Calibration Performed:	Thu Dec 16 23:28:34 2021

Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	3841.78	5151.73	cps
Aluminum	2.670	g/cc	700.98	3068.49	cps
Spine Angle = 73.06			Density/Spine Ratio = 0.515		
	Size		Reading		

	Size		Reading
Small Ring	4.00	in	1.17
Large Ring	14.00	in	1.05

Compensated Neutron Calibration Report
--

Serial-Model:	210-M&W
Source #:	N-1238
Master Calibration Performed:	Fri Dec 3 09:16:24 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:	103	
Tool Model:	M&W	
Performed:	Fri Dec 3 12:13:24 2021	
Calibrator Value:	500.0	GAPI
Background Reading:	28.0	cps
Calibrator Reading:	986.0	cps
Sensitivity:	0.5700	GAPI/cps

	Company	Darrah Oil Company LLC
	Well	Keller 25C #1
	Field	Pritchard
	County	Barton
	State	Kansas