



MIDWEST WIRELINE

**DUAL COMPENSATED
POROSITY W/PE**

Company Prospect Oil & Gas Corporation
Well Conger A #1
Field Conger
County Rooks
State Kansas

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Location: API #: 15-163-24503-00-00
W/2 NE NE SE
2310 FSL & 632 FEL
SEC 4 TWP 10S RGE 16W
Permanent Datum Ground Level Elevation 1968
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
Other Services
DIL/MEL
K.B. 1976
D.F.
G.L. 1968

Date	4/8/2024						
Run Number	One						
Type Log	CNL/CDL						
Depth Driller	3525						
Depth Logger	3524						
Bottom Logged Interval	3495						
Top Logged Interval	2800						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	3600						
Density	9.25						
Level	200						
Max. Rec. Temp. F	111						
Operating Rig Time	2 Hours						
Equipment -- Location	P-108 Hays						
Recorded By	T. Martin						
Witnessed By	Brad Hutchinson						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	223	8.625	23	00	223
Two	7.875	223	TD				
Casing Record							

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

Plainville, KS, E on 18 to Rd 28,
1 N, W/N into at TB

Log Measured From: Kelly Bushing 8 Ft. Above Permanent Datum

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

Your Midwest Wireline Crew

Engineer: T. Martin
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: Brad Hutchinson
Secondary Witness:
Secondary Witness:
Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	40.75		GR-M&W (102)	3.00	3.50	50.00	
CNLSC CNSSC	37.65 36.90		CNT-M&W (207)	5.00	3.50	100.00	
				MWLith-STEP LITHO (704-10) Long Litho Mandrel	8.92	5.00	250.00
LCAL	28.21						
LLW8N	28.21						
LLW7N	28.21						
LLW6N	28.21						
LLW5N	28.21						
LLW4N	28.21						
LLW3N	28.21						
LLW2N	28.21			ML-PSIML (401)	7.58	4.00	65.00
LLW1N	28.21						
LSLOCK	27.96						
LLOCK	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 (501 HT)	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: prospect_conger a #1.db: field/well/StkMI/pass3.1
 Total length: 42.75 ft
 Total weight: 685.00 lb
 O.D.: 5.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\prospect_conger a #1.db
 Dataset field/well/StkMI/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 111	CASEOD in 5.5	CASETHCK in 0	FLUIDDEN g/cc 1	MATRXDEN g/cc 2.71	NPORSEL Limestone	PERFS No
SNDERR mmho/m 0	SNDERRM mmho/m 0	SPSHIFT mV 350	SRFTEMP degF 70	SZCOR Off	TDEPTH ft 3524		

Variable Description

BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 FLUIDDEN : Fluid Density
 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

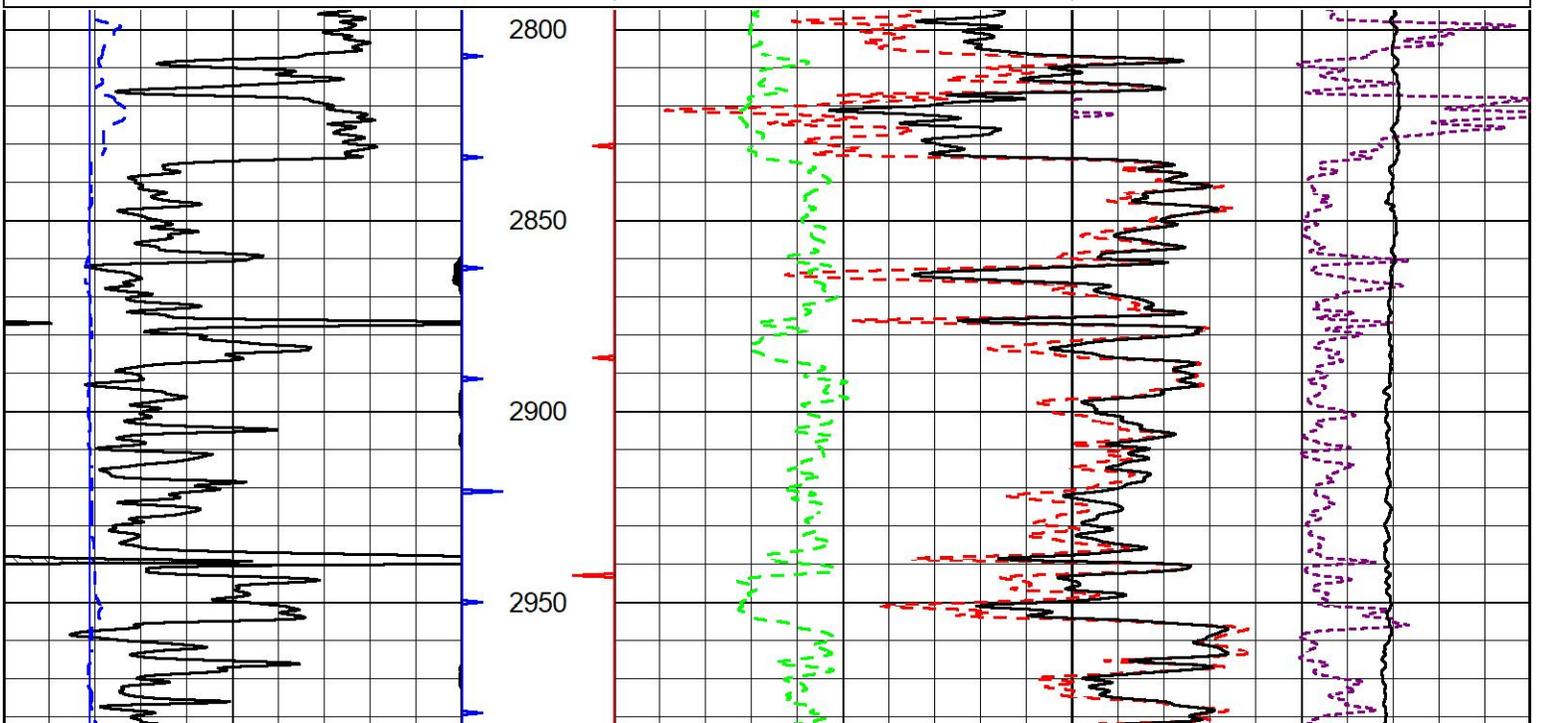


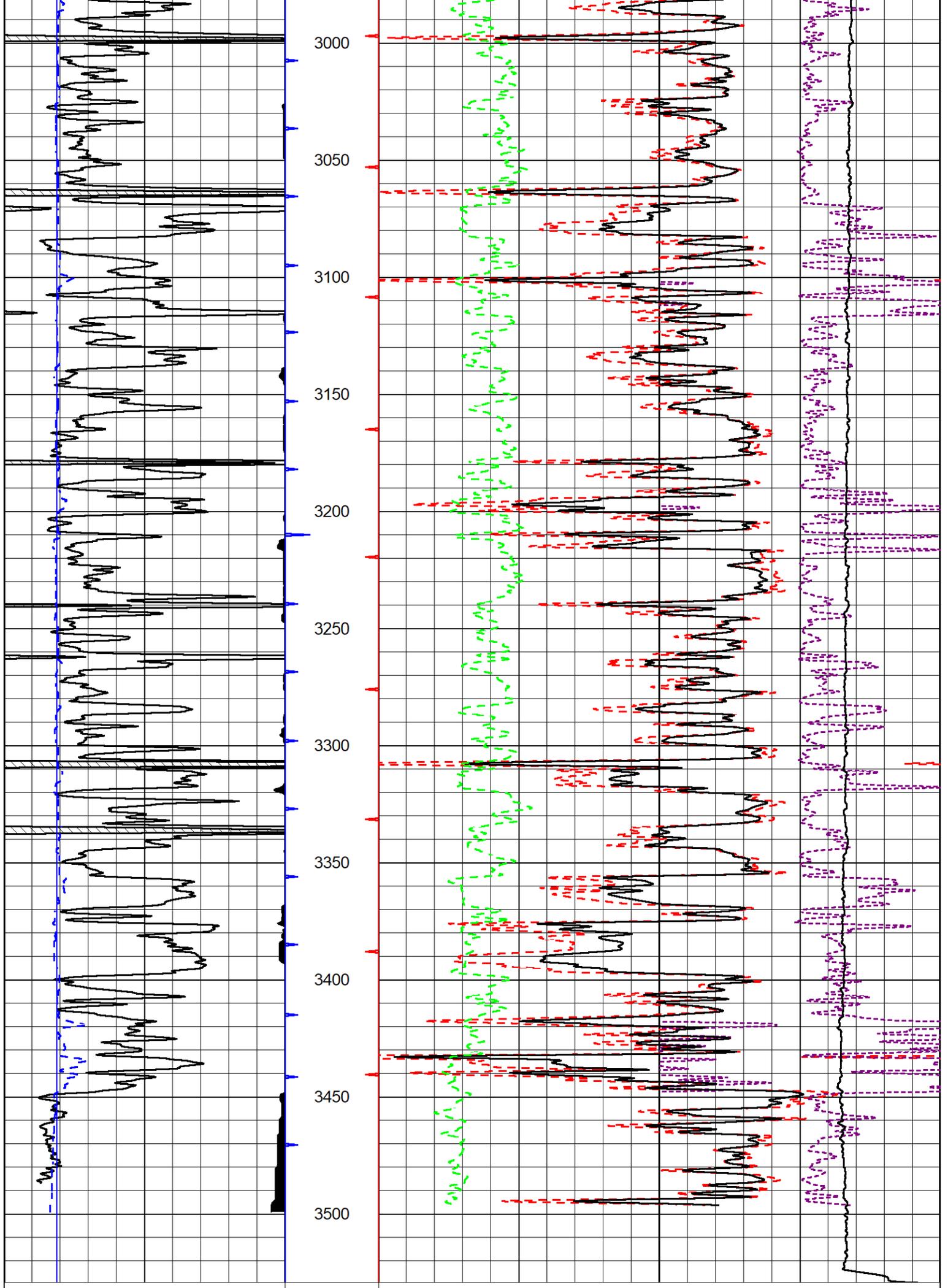
2" SCALE BULK DENSITY

MAIN PASS

Database File prospect_conger a #1.db
 Dataset Pathname StkMI/pass3.3
 Presentation Format _cdlpe
 Dataset Creation Mon Apr 08 15:34:05 2024
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	30	Compensated Density Porosity (pu)	-10
6	Caliper (in)	16	2	Bulk Density (g/cc)	3
			10000	Line Tension (lb)	0
			0	pecln	10 -0.25
				Correction (g/cc)	0.25





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

30	Compensated Density Porosity (pu)		-10
2	Bulk Density (g/cc)		3
10000	Line Tension (lb)		0
0	peIn	10 -0.25	Correction (g/cc) 0.25



MIDWEST WIRELINE

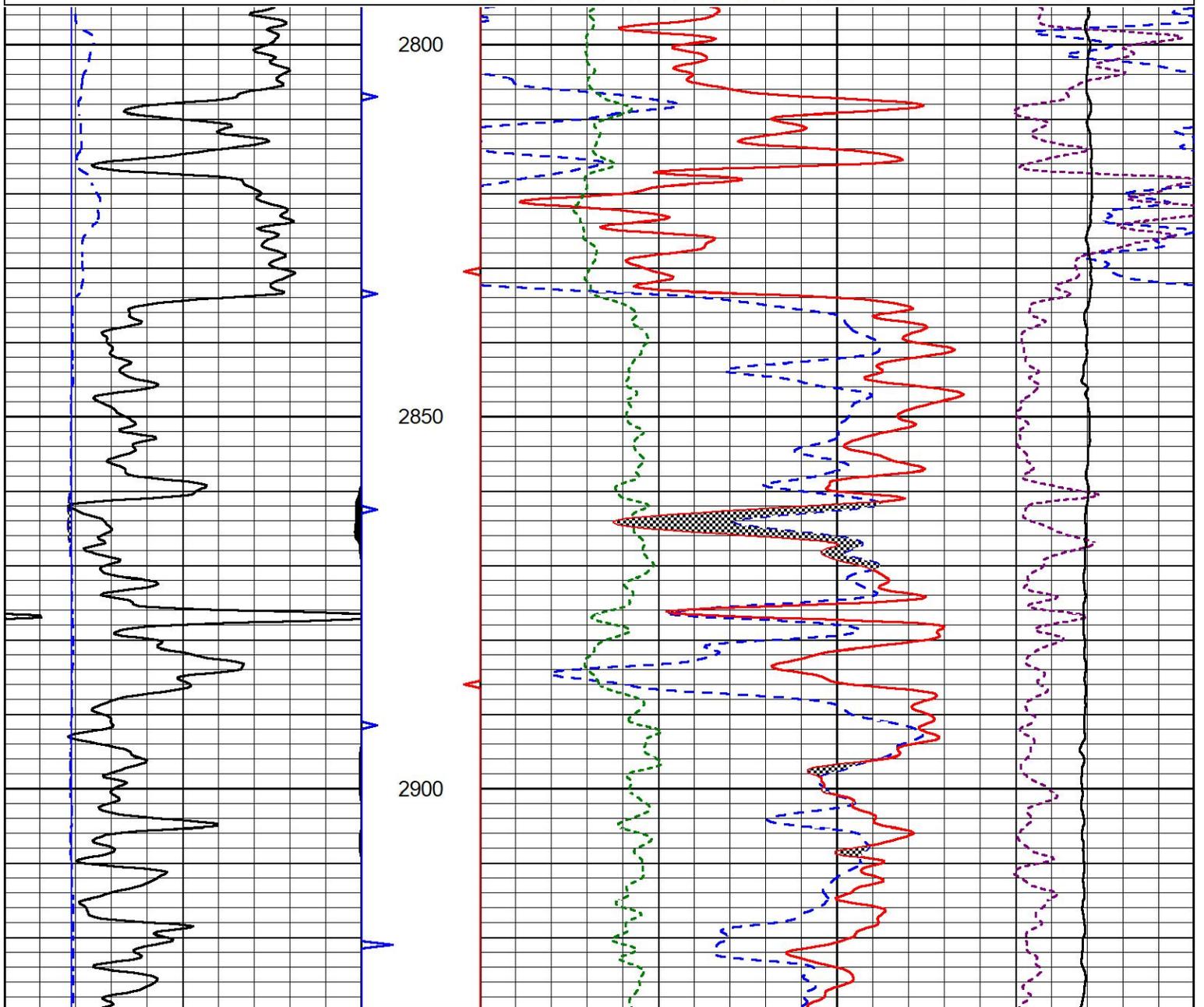
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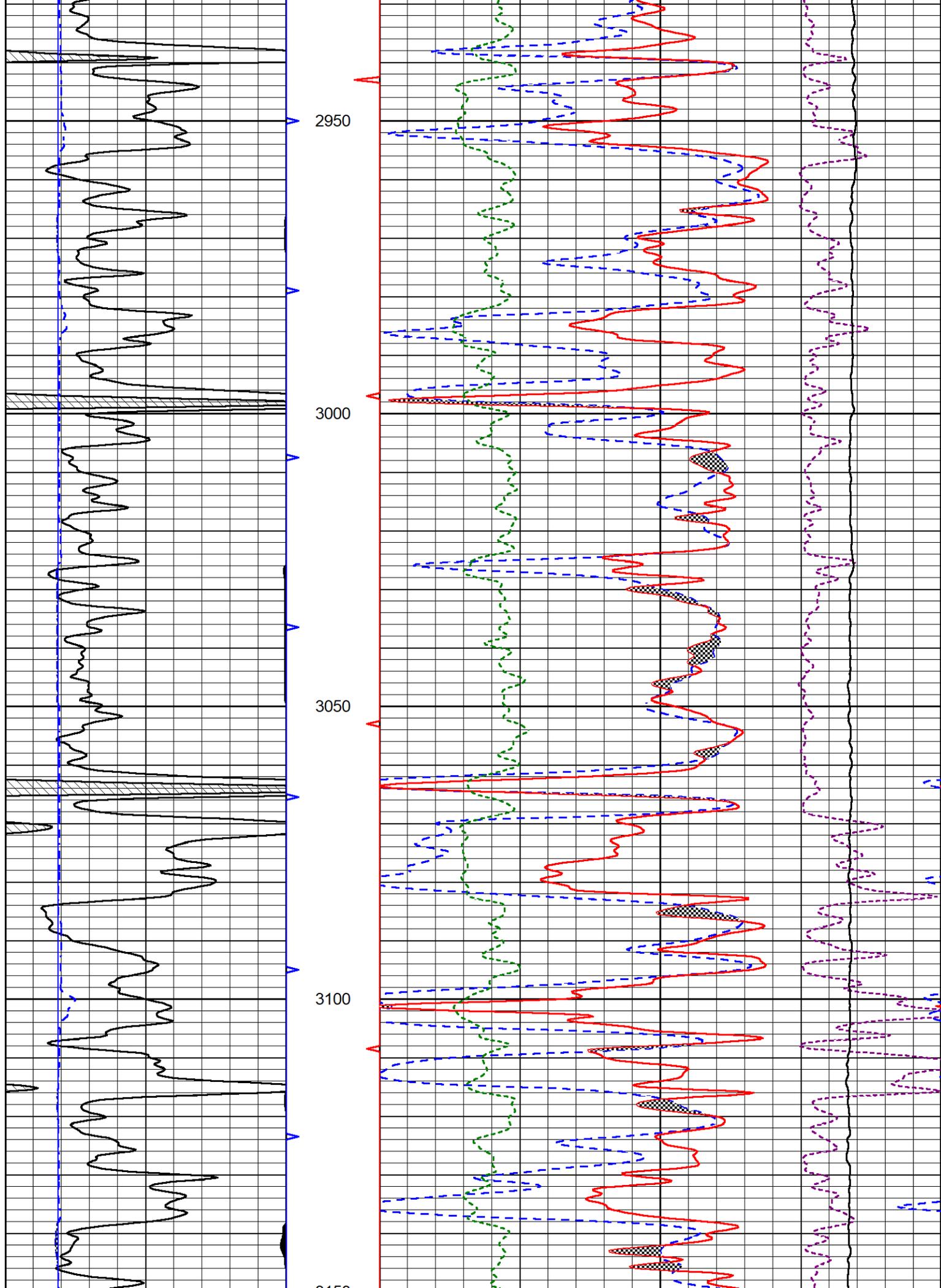
MAIN PASS

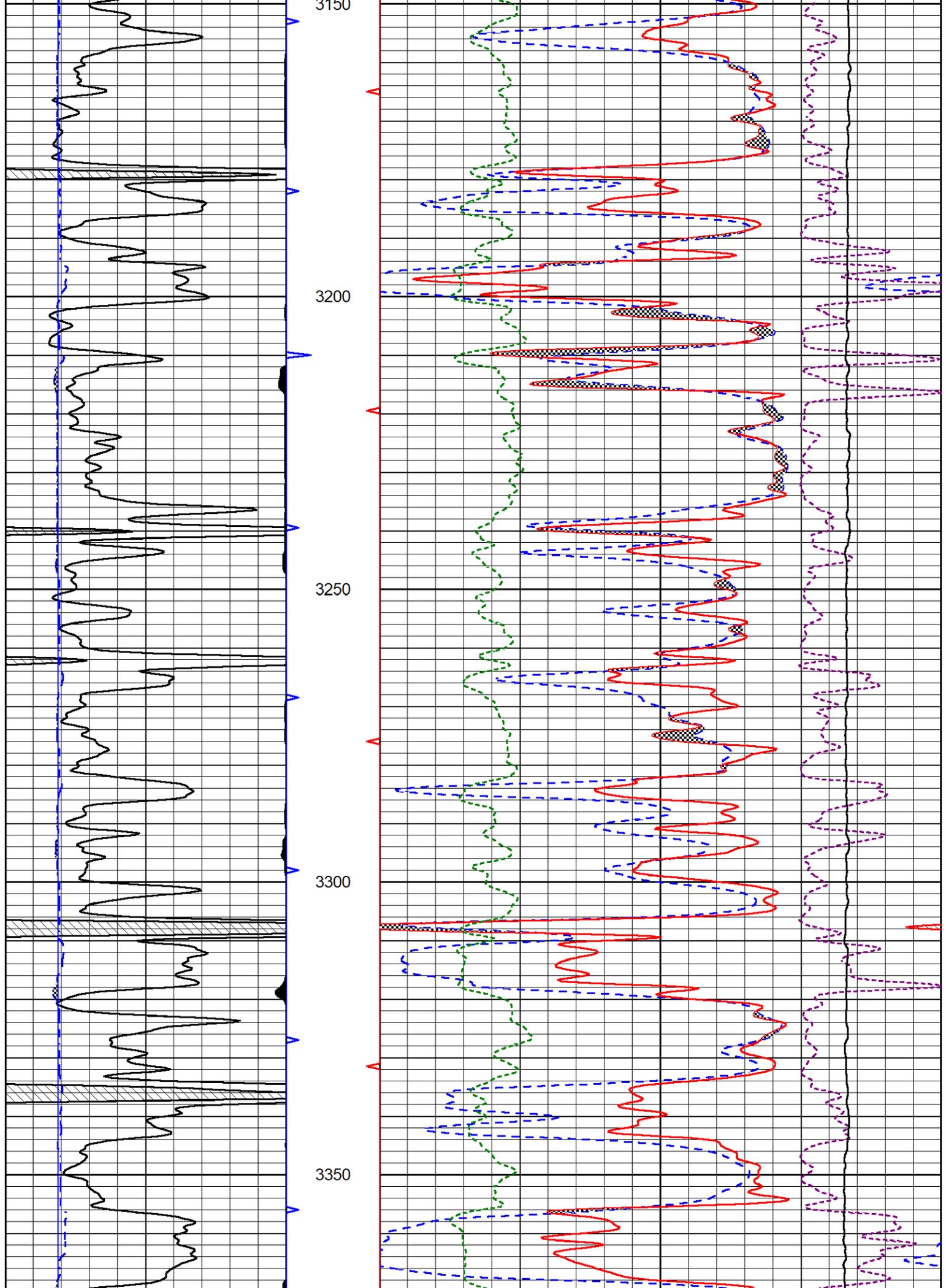
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 Dataset Pathname StkMI/pass3.1
 Presentation Format _CNDLS~4
 Dataset Creation Mon Apr 08 16:06:10 2024
 Charted by Depth in Feet scaled 1:240

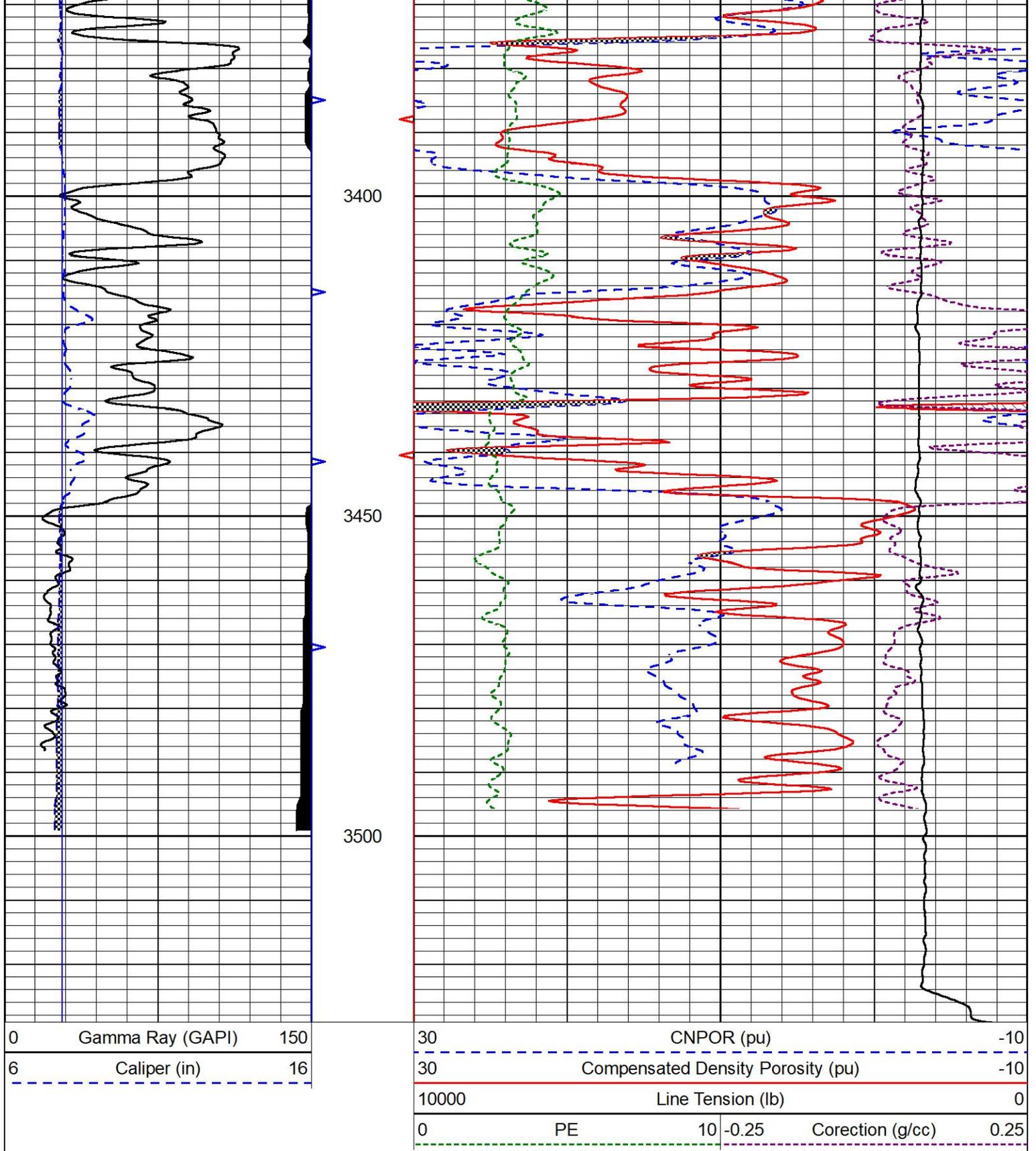
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNPOR (pu)		-10
30	Compensated Density Porosity (pu)		-10
10000	Line Tension (lb)		0
0	PE	10 -0.25	Corection (g/cc) 0.25









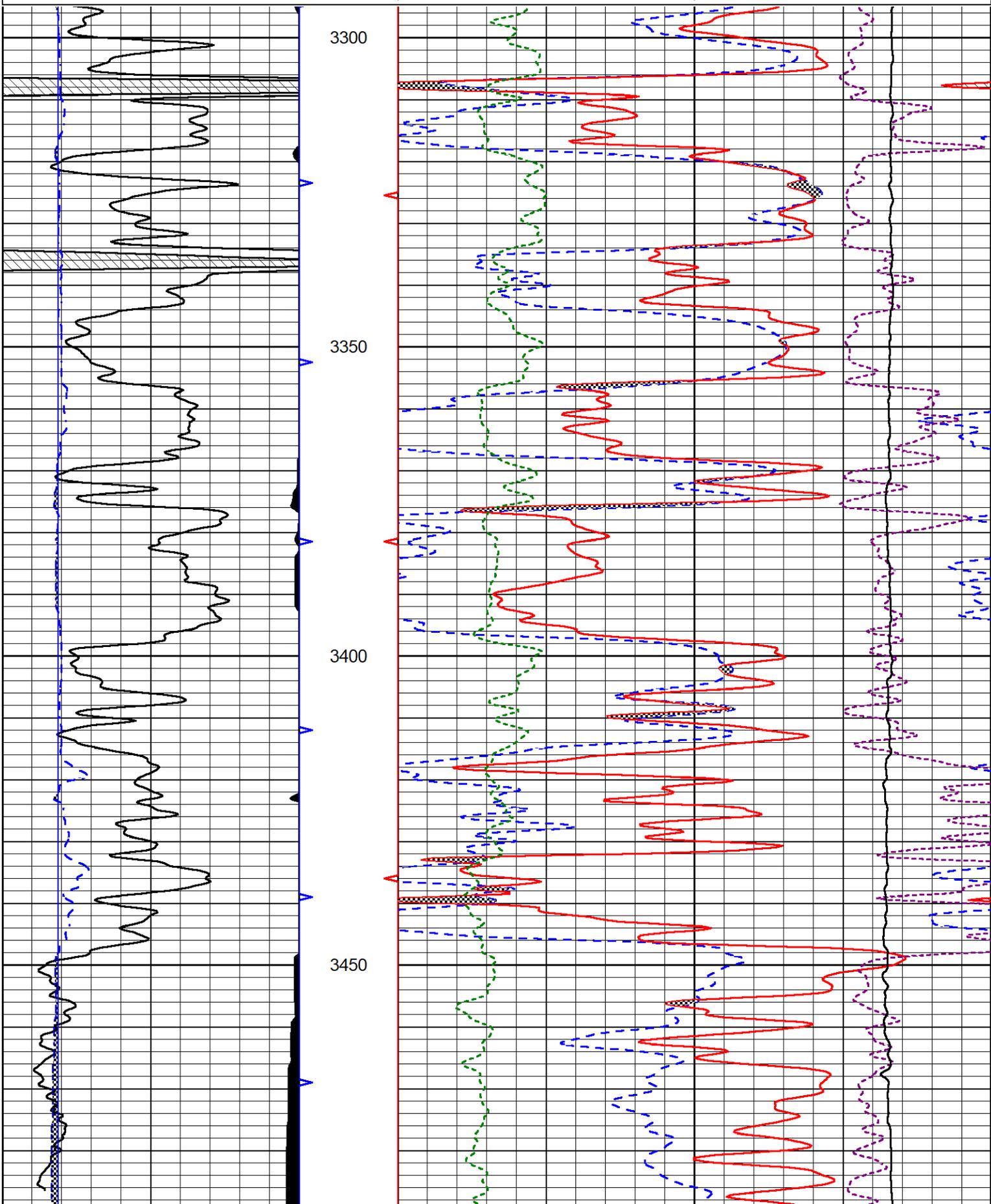
REPEAT SECTION

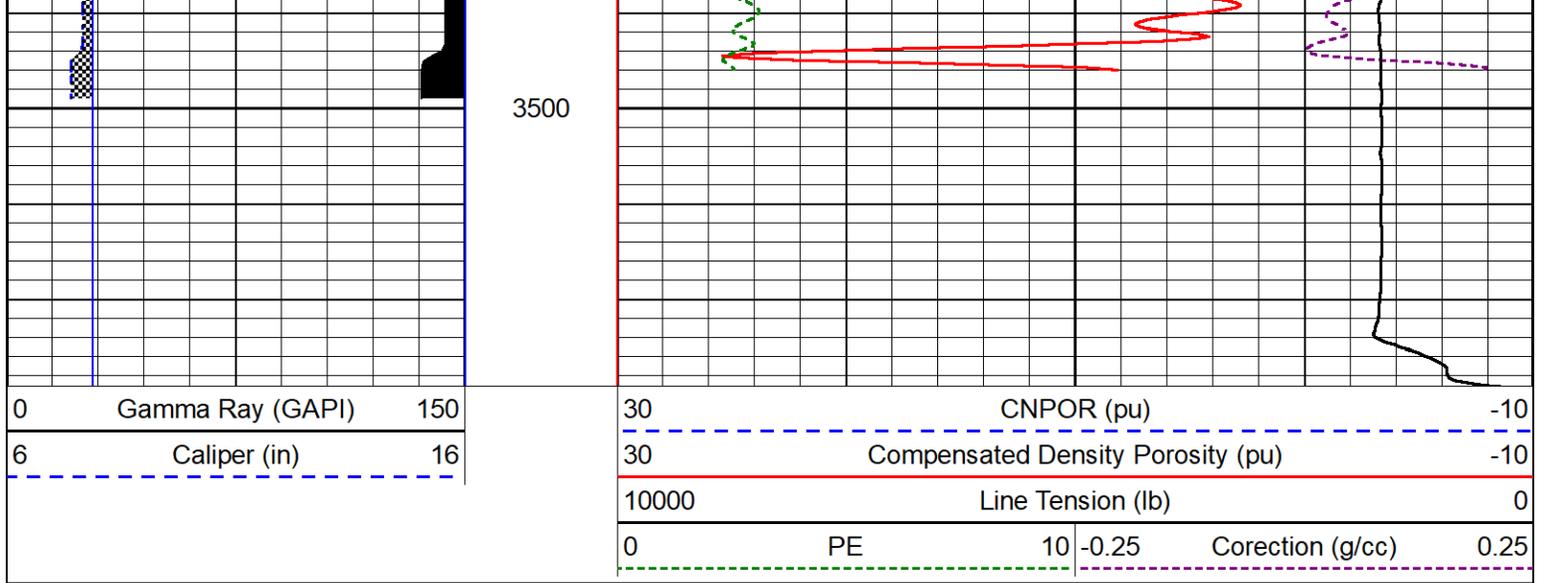
REPEAT PASS

Database File prospect_conger a #1.db
 Dataset Pathname StkMI/pass2.1
 Presentation Format _CNDLS~4
 Dataset Creation Mon Apr 08 15:32:43 2024

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

30	CNPOR (pu)	-10		
30	Compensated Density Porosity (pu)	-10		
10000	Line Tension (lb)	0		
0	PE	10 -0.25	Corection (g/cc)	0.25





Calibration Report

Database File prospect_conger a #1.db
 Dataset Pathname StkMI/pass3.1
 Dataset Creation Mon Apr 08 16:06:10 2024

Dual Induction Calibration Report

Serial-Model: 501 HT-M&W
 Surface Cal Performed: Tue Feb 13 07:56:01 2024

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		m	b
Deep	78.235	390.165	0.000	255.800	mmho/m	0.870	-64.500
Medium	37.526	515.344	0.000	255.800	mmho/m	0.500	-15.000

Microlog Calibration Report

Serial-Model: 401-PSIML
 Performed: Mon Sep 25 22:02:56 2023

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	24500.0000	-0.5000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	15000.0000	-1.2500
Caliper	1.0052	1.0858	5.0000	16.5000	in	142.7190	-137.8100

LITHODENSITY Calibration Report

Serial Number: 704-10
 Tool Model: STEP LITHO
 Performed: Wed Oct 11 14:52:04 2023

Source:

	Win1	Win2	Win3	Win4	Win5	Win6	Win7	Win8	
Background:									
SS:	52	56	202	260	22	71	45	1	cps
LS:	82	93	356	462	52	144	94	3	cps
Aluminum:									
SS:	868	1009	2312	2012	39	73	47	2	cps

LS: 1063 1847 3324 1556 63 146 95 6 cps

Magnesium:

SS: 1458 1686 3853 2923 42 73 48 3 cps
LS: 4604 7631 13124 4967 100 134 94 14 cps

Aluminum+Iron:

SS: 538 708 1910 1720 37 73 47 1 cps
LS: 619 1309 2817 1400 60 147 97 5 cps

	Density Actual	Calibrated		PE Actual	Calibrated	Quality
Background:						
SS:						0.225
LS:						0.208
Aluminum:						
SS:	2.6000	2.6000	g/cc			0.210
LS:	2.6000	2.6000	g/cc			0.210
Magnesium:						
SS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.207
LS:	1.6800	1.6800	g/cc	2.5700	2.5700	0.173
Aluminum+Iron:						
SS:					6.1800	0.215
LS:					6.1800	0.205

Caliper:	Reference:	Reading:
Small Ring:	6.0 in	0.2
Large Ring:	16.0 in	0.8
Gain:	16.161	
Offset:	1.020	

Compensated Neutron Calibration Report

Serial Number: 207
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: 102
 Tool Model: M&W
 Performed: Mon Sep 25 22:02:33 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.5250 GAPI/cps



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