MIDWEST WIRELINE

DUAL INDUCTION LOG

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

Location: API # : 15-163-24503-00-00
W/2 NE NE SE
2310 FSL & 632 FEL
SEC 4 TWP 10S RGE 16W

Other Services
CNL/CDL
MEL

Permanent Datum Ground Level Elevation 1968
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation
K.B. 1976
D.F.
G.L. 1968

Date	4/8/2024		
Run Number	One		
Depth Driller	3525		
Depth Logger	3524		
Bottom Logged Interval	3523		
Top Log Interval	200		
Casing Driller	8.625 @ 223		
Casing Logger	221		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	3600		
Density / Viscosity	9.25 60		
pH / Fluid Loss	11.0 6.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.8 @ 72		
Rmf @ Meas. Temp	0.6 @ 72		
Rmc @ Meas. Temp	1.08 @ 72		
Source of Rmf / Rmc	CHARTS		
Rm @ BHT	0.52 @ 111		
Operating Rig Time	2 Hours		
Max Rec. Temp. F	111		
Equipment Number	P-108		
Location	HAYS		
Recorded By	T. Martin		
Witnessed By	Brad Hutchinson		

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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	This Log Record Was Witnessed By
Engineer: T. Martin	Primary Witness: Brad Hutchinson
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb

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	37.65		CNT-M&W (207)	5.00	3.50	100.00
CNSSC	36.90					
			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					
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 (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/StkMl/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	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	MATRXDEN	NPORSEL	PERFS
in	degF	in	in	g/cc	g/cc		
7.875	111	5.5	0	1	2.71	Limestone	No

SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
mmho/m	mmho/m	mV	degF		ft
0	0	350	70	Off	3524

Variable Description

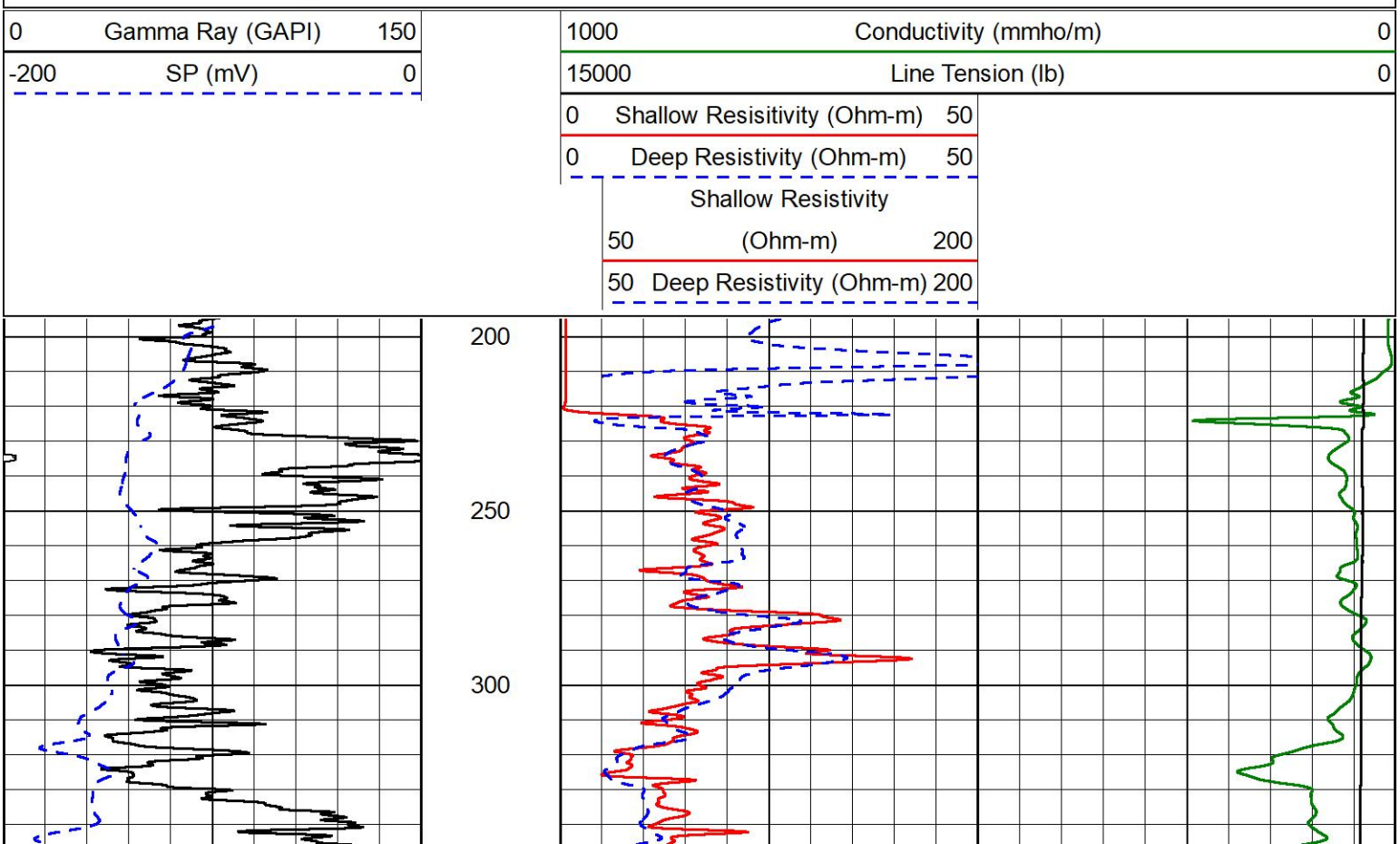
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
FLUIDDEN : Fluid Density
MATRXDEN : Matrix Density
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
SNDERR : Deep Sonde Error Correction
SNDERRM : Medium Sonde Error Correction
SPSHIFT : S.P. Baseline Offset
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

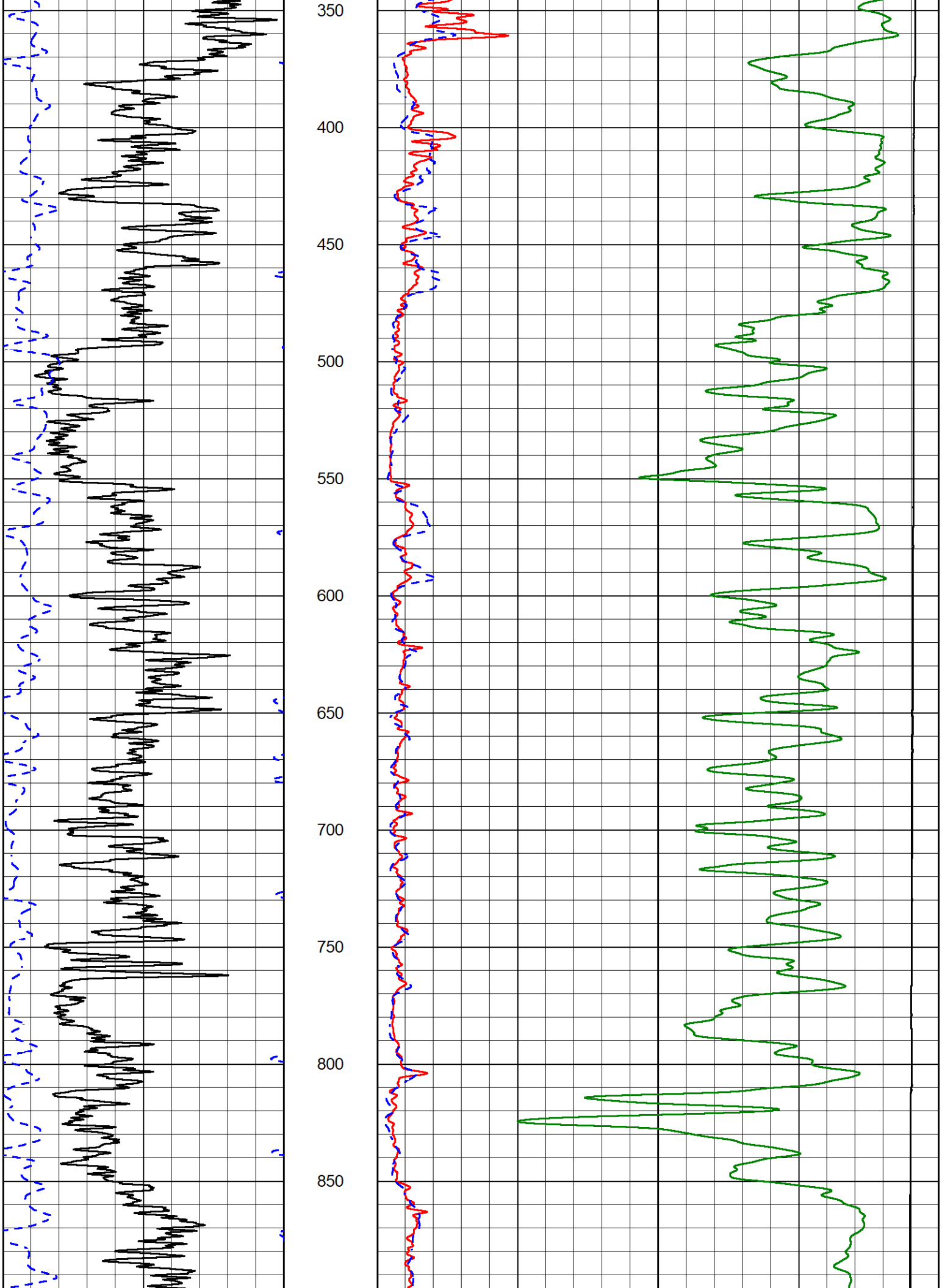
MIDWEST WIRELINE

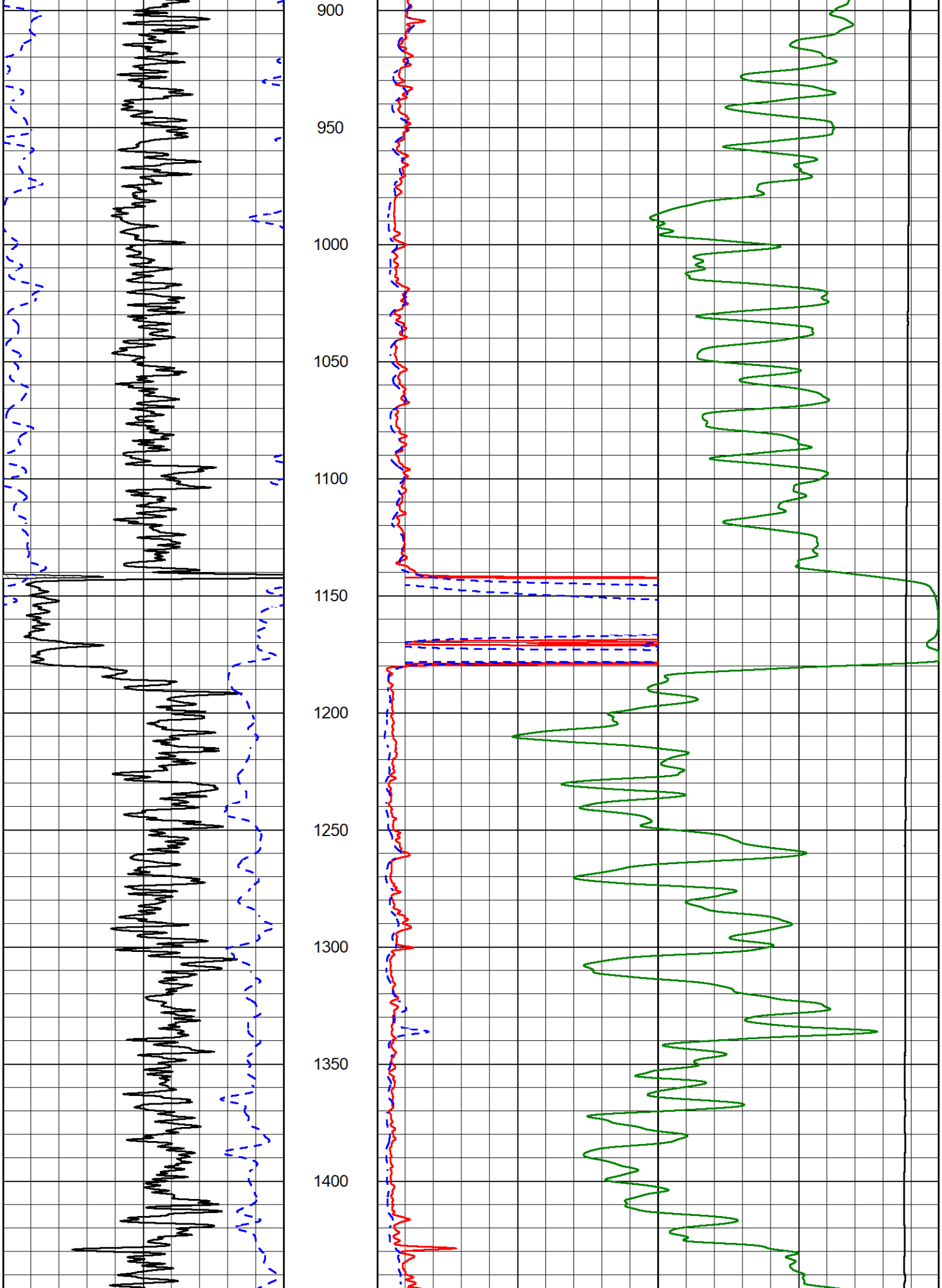
2" SCALE RESISTIVITY

MAIN PASS

Database File	prospect_conger a #1.db
Dataset Pathname	StkMI/pass3.2
Presentation Format	_dil2in
Dataset Creation	Mon Apr 08 16:05:42 2024
Charted by	Depth in Feet scaled 1:600




350
400
450
500
550
600
650
700
750
800
850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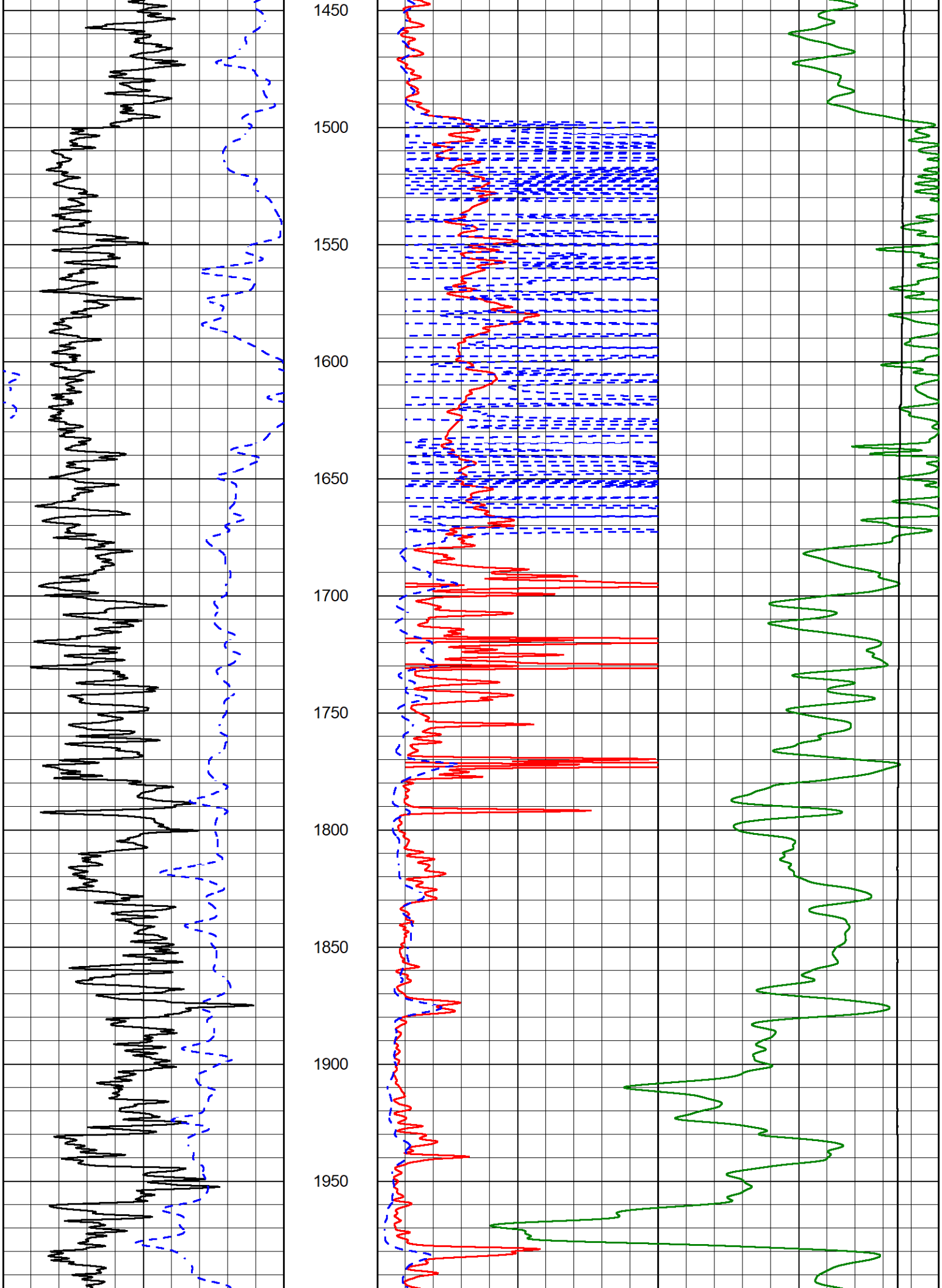
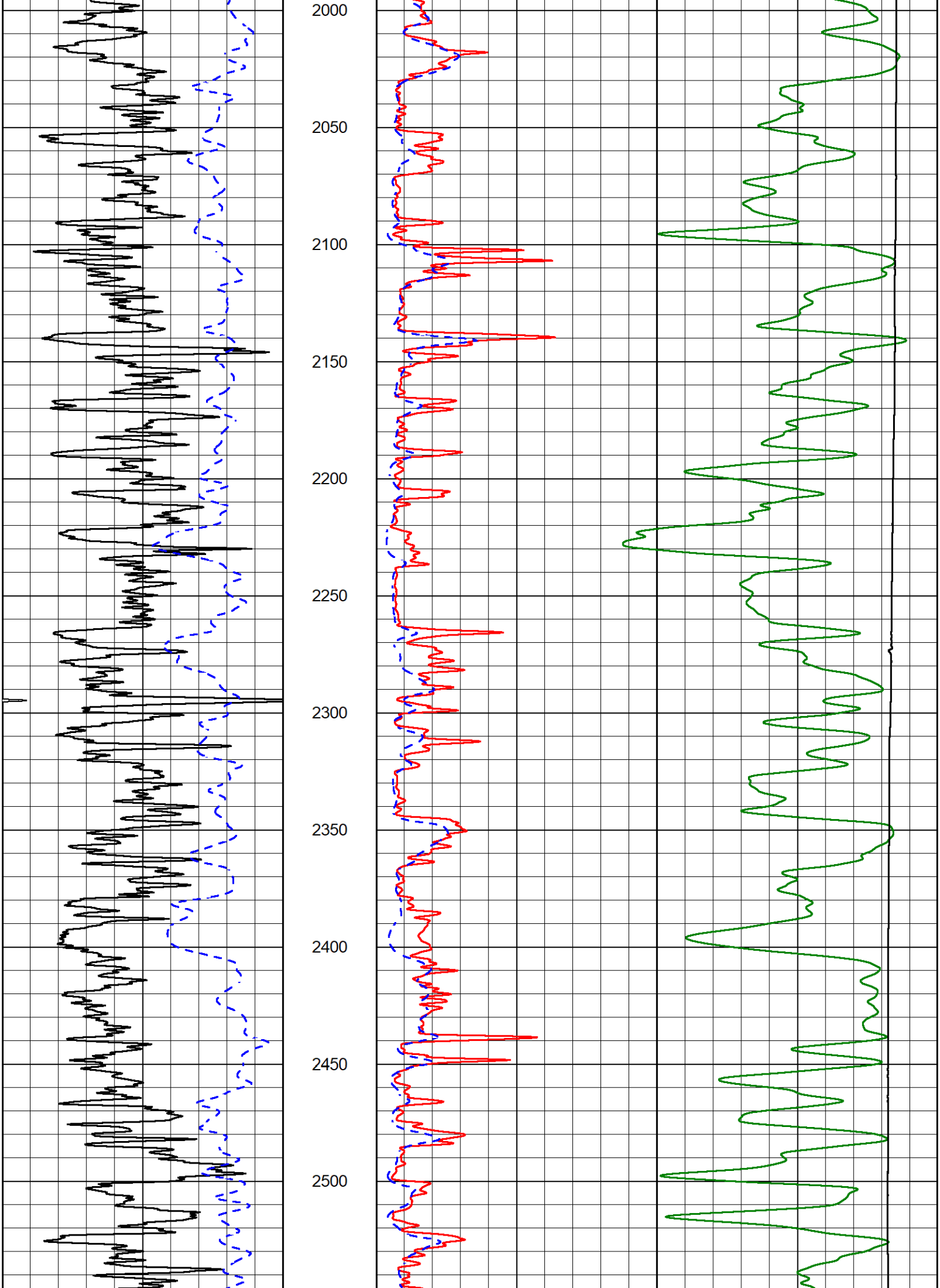
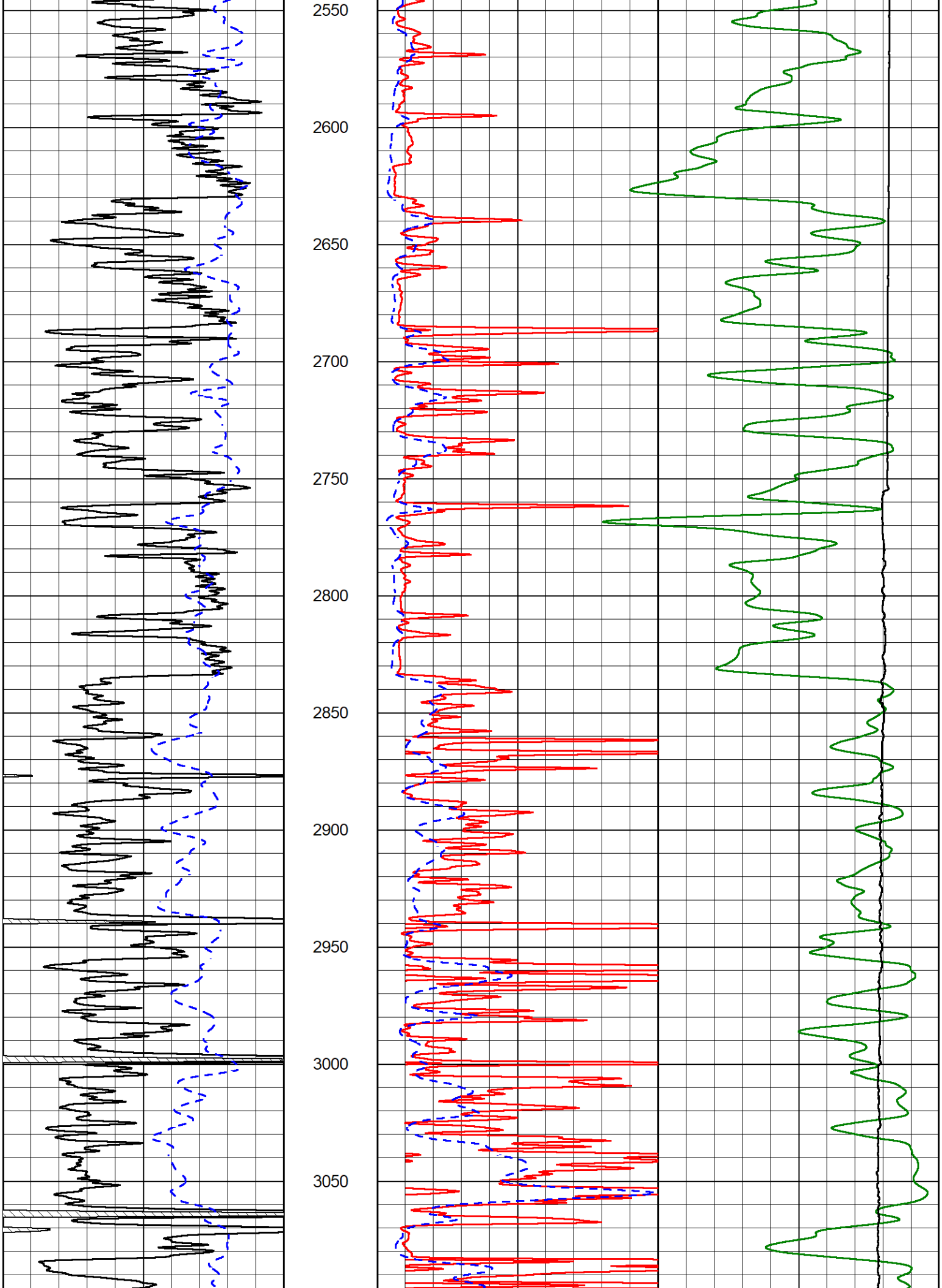
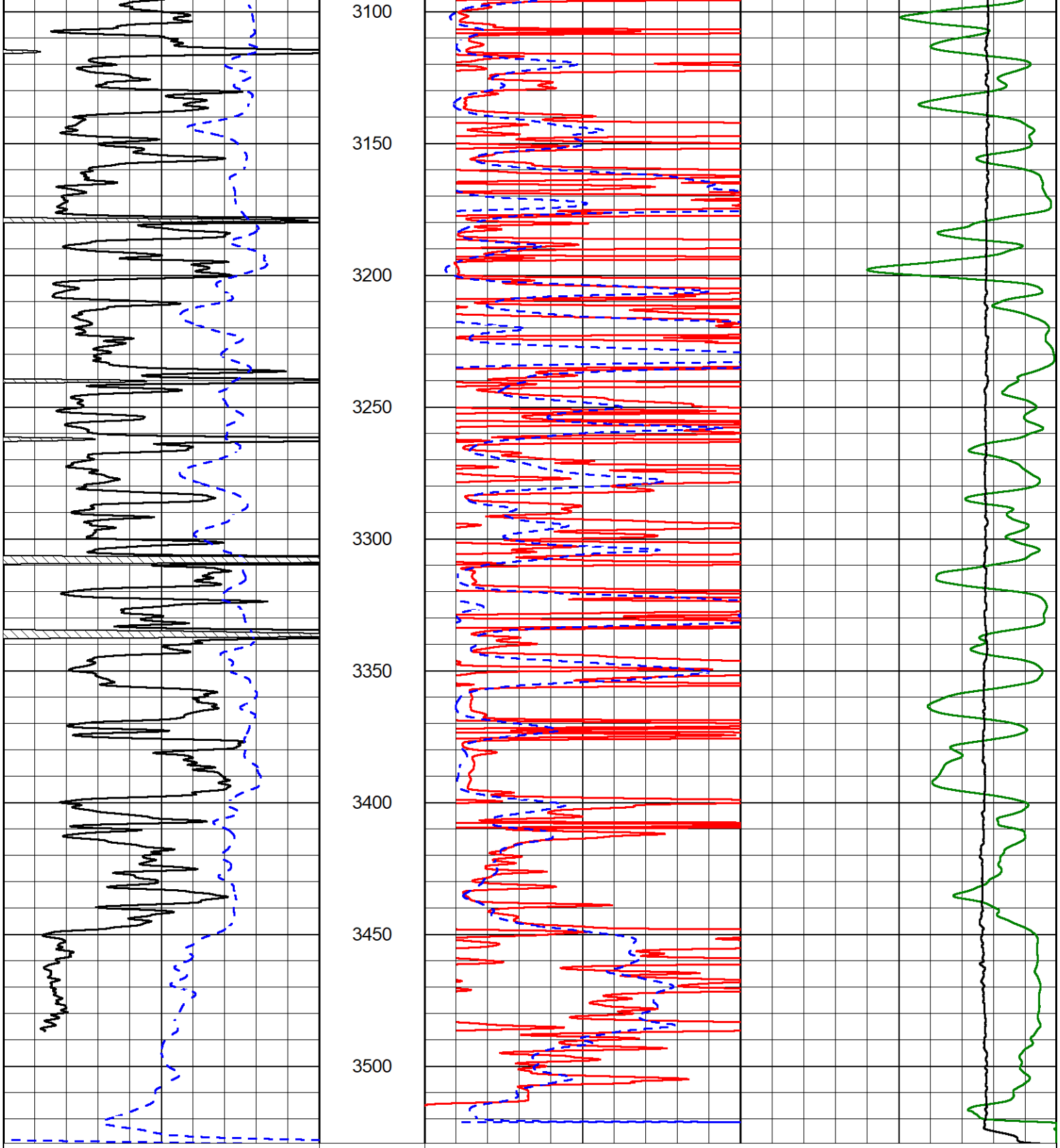
950
1000
1050
1100
1150
1200
1250
1300
1350
1400


1450
1500
1550
1600
1650
1700
1750
1800
1850
1900
1950


2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
2500


2550
2600
2650
2700
2750
2800
2850
2900
2950
3000
3050



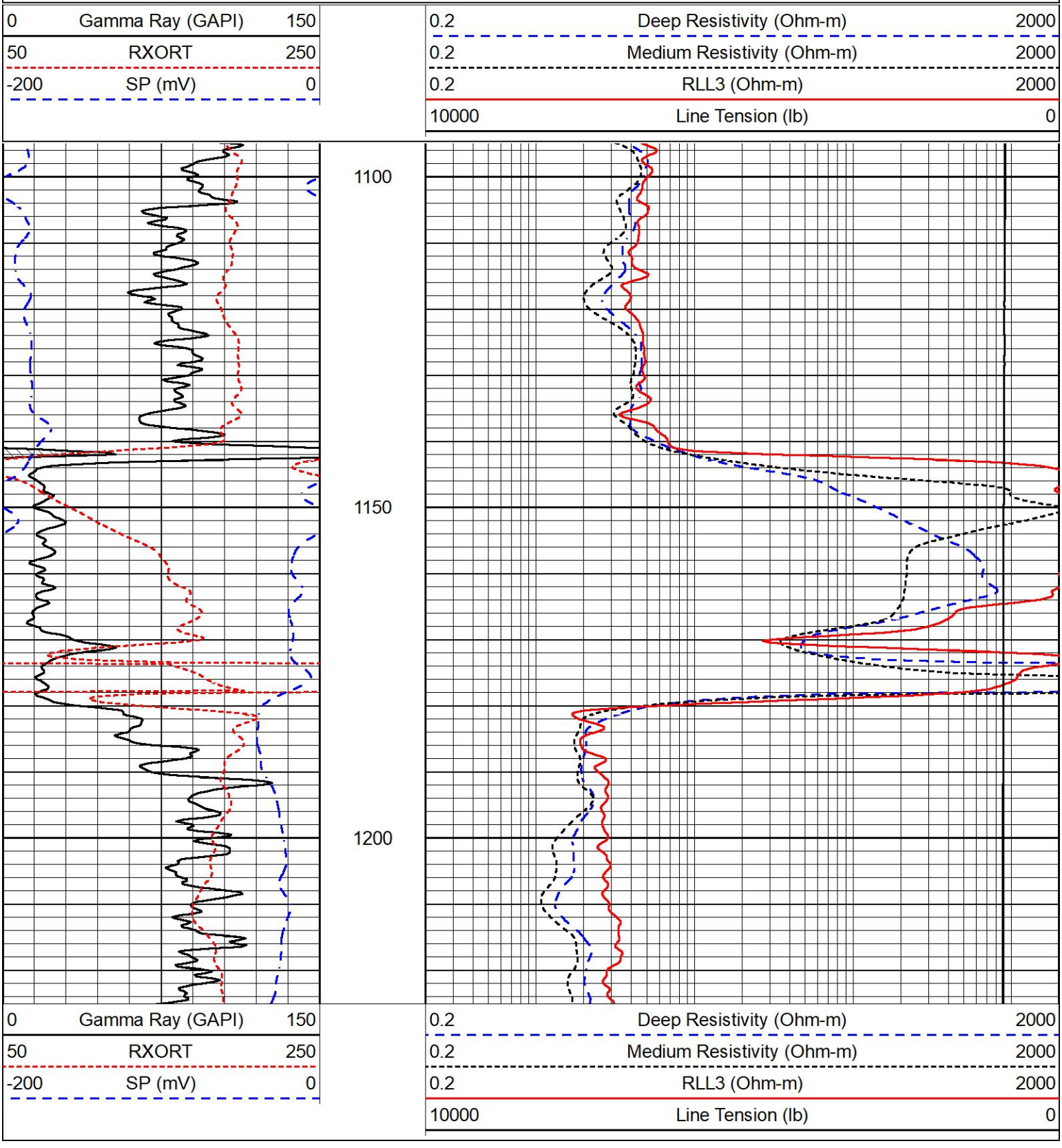
ANHYDRITE SECTION

MIDWEST WIRELINE

ANHYDRITE SECTION

MAIN PASS

Database File	prospect_conger a #1.db
Dataset Pathname	StkMI/pass3.4
Presentation Format	_dil
Dataset Creation	Mon Apr 08 15:54:47 2024
Charted by	Depth in Feet scaled 1:240



MIDWEST WIRELINE

DETAIL SECTION

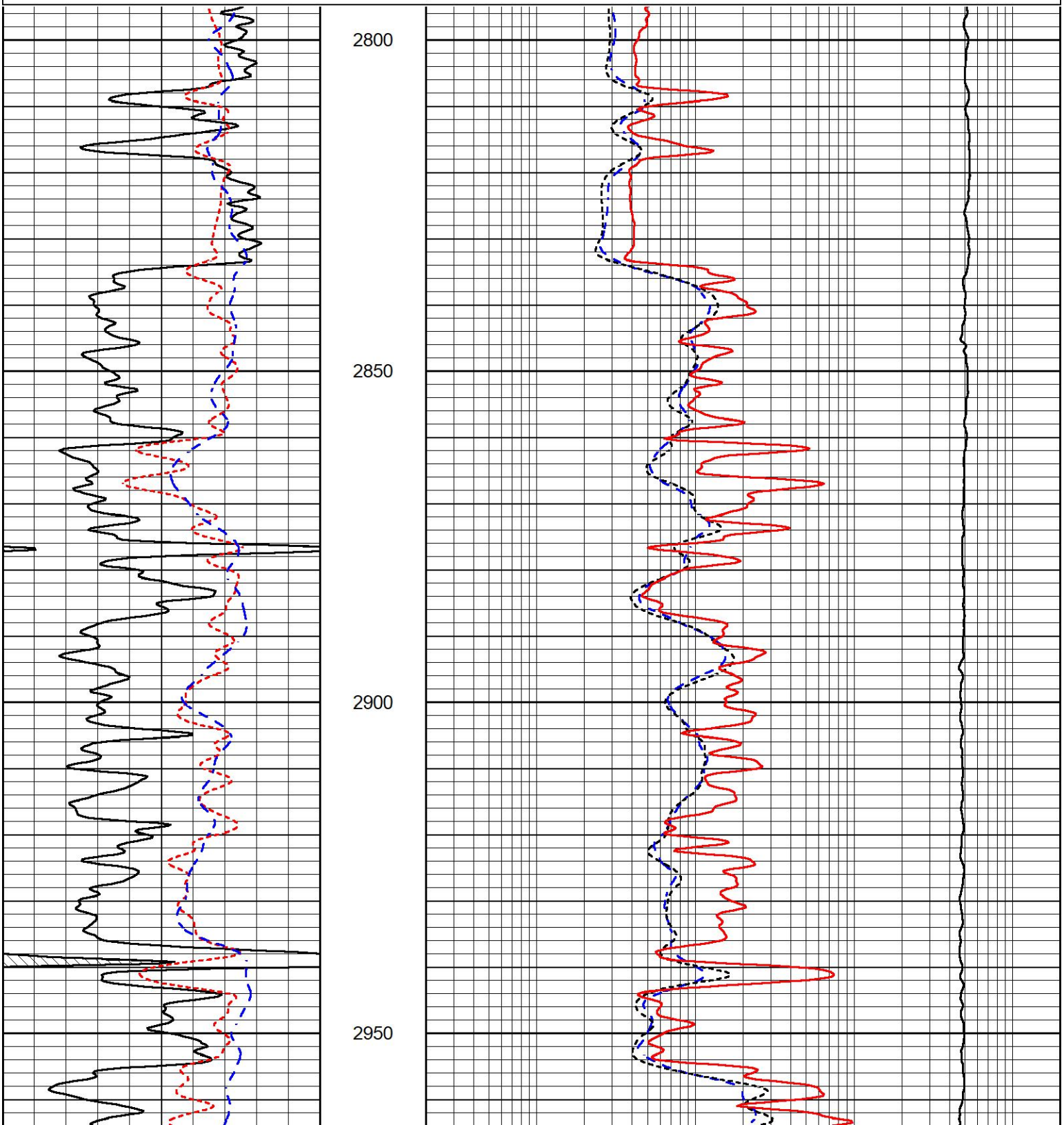
MIDWEST WIRELINE

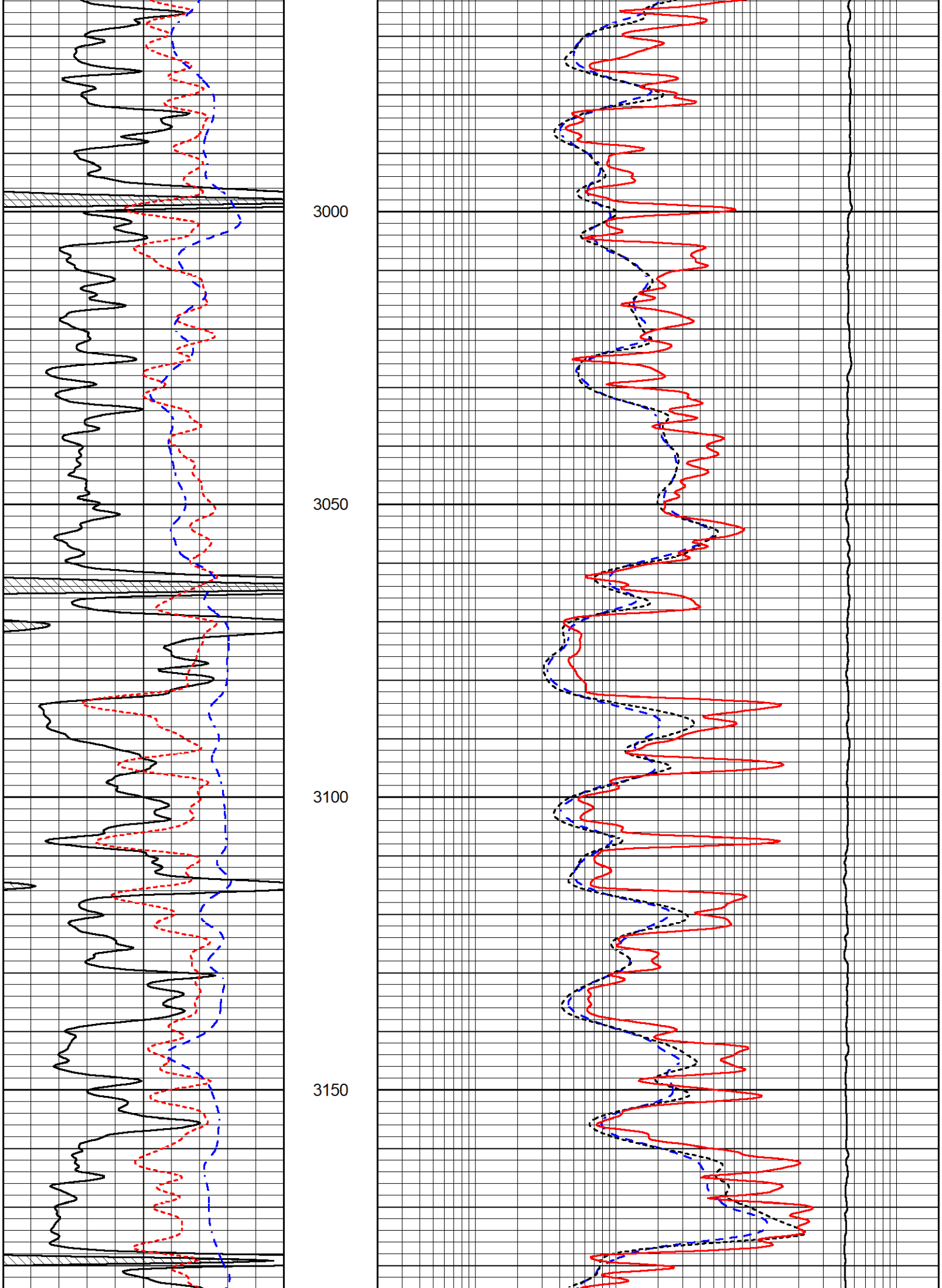
MAIN PASS

Database File	prospect_conger a #1.db
Dataset Pathname	StkMl/pass3.1
Presentation Format	_dil
Dataset Creation	Mon Apr 08 16:06:10 2024
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
50	RXORT	250
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0

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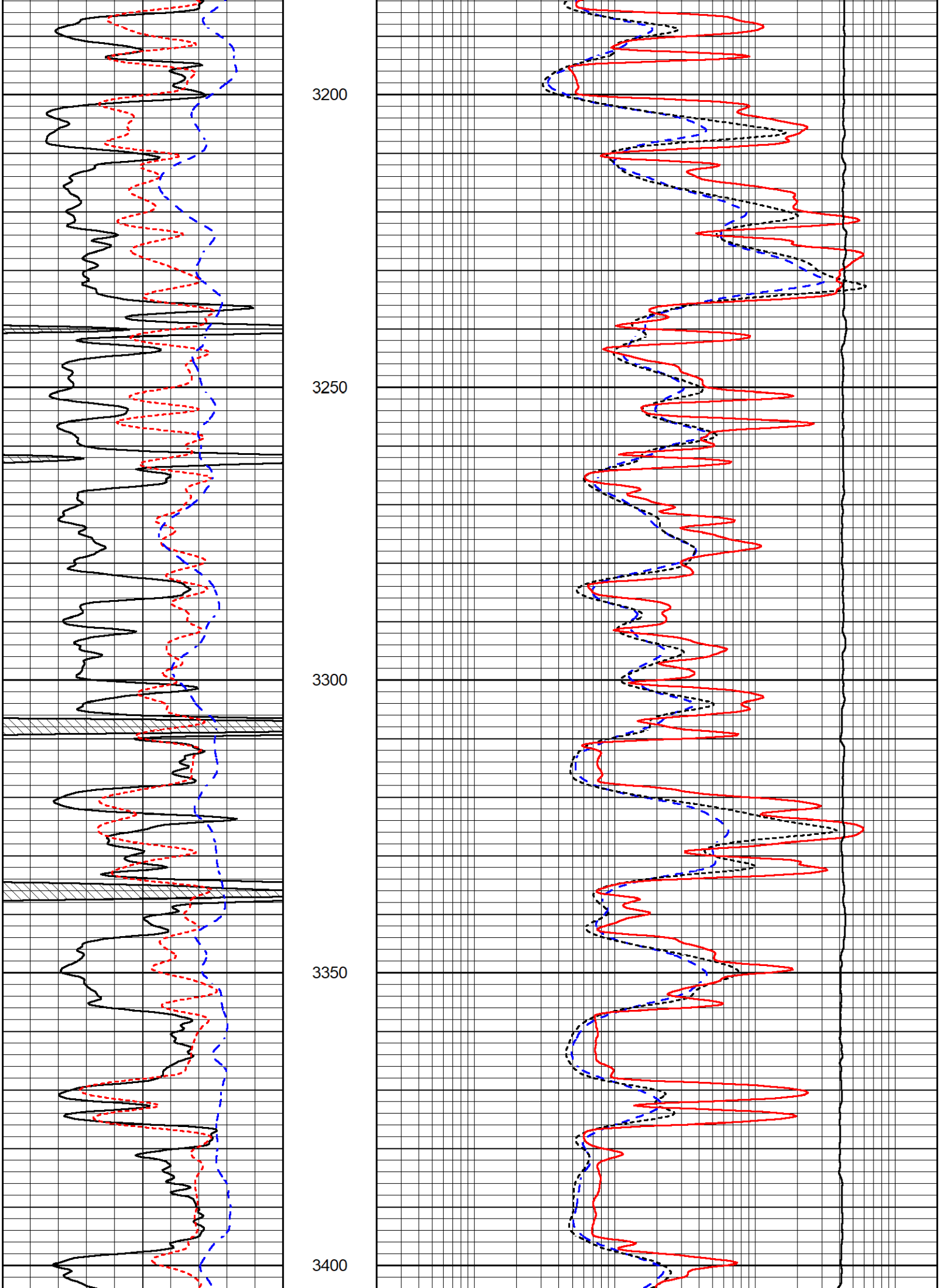
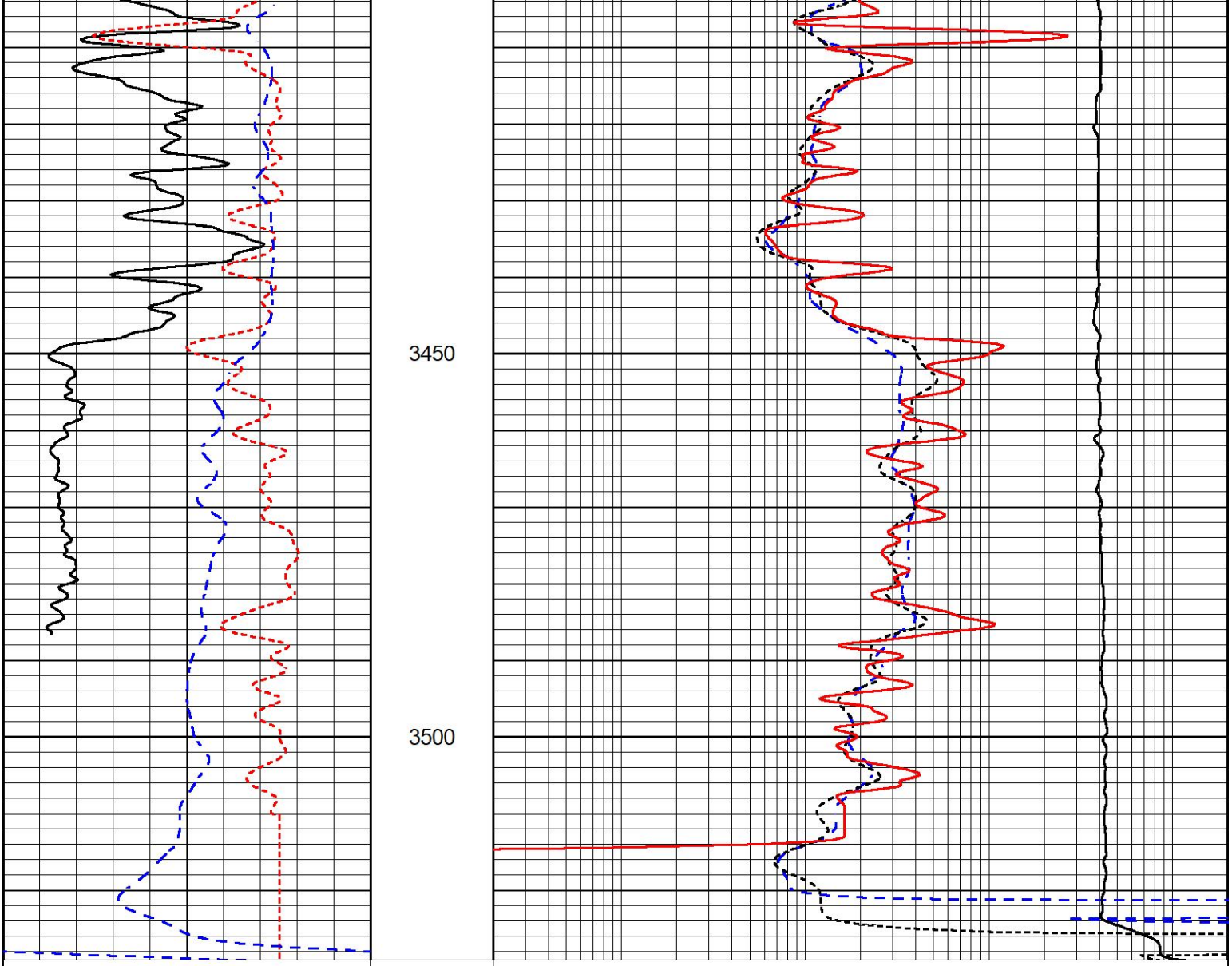
3050
3100
3150


3200
3250
3300
3350
3400



0	Gamma Ray (GAPI)	150
50	RXORT	250
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0

MIDWEST WIRELINE

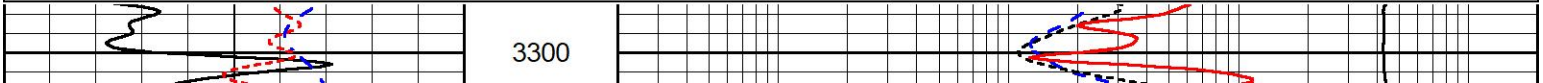
REPEAT SECTION

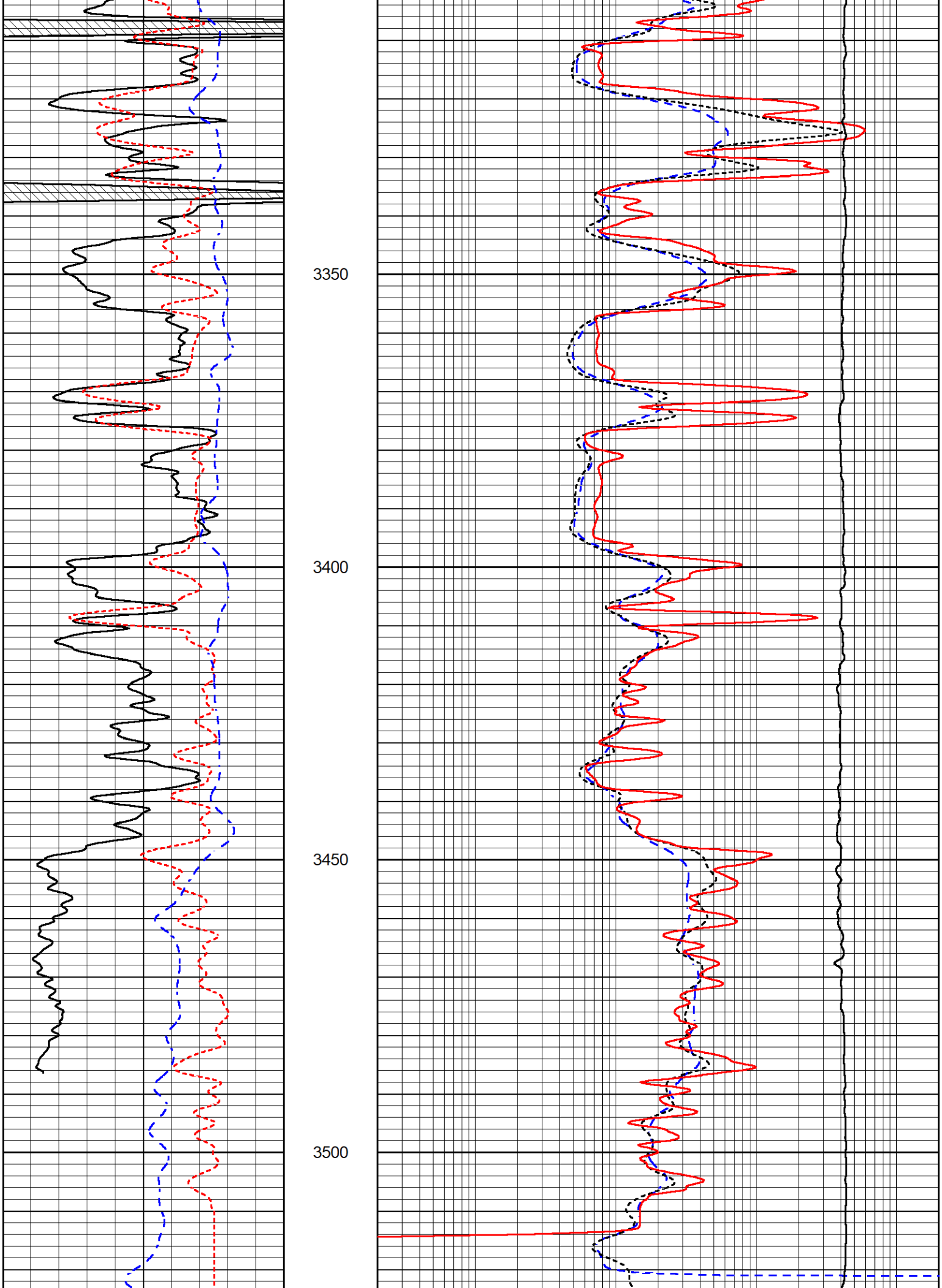
REPEAT PASS

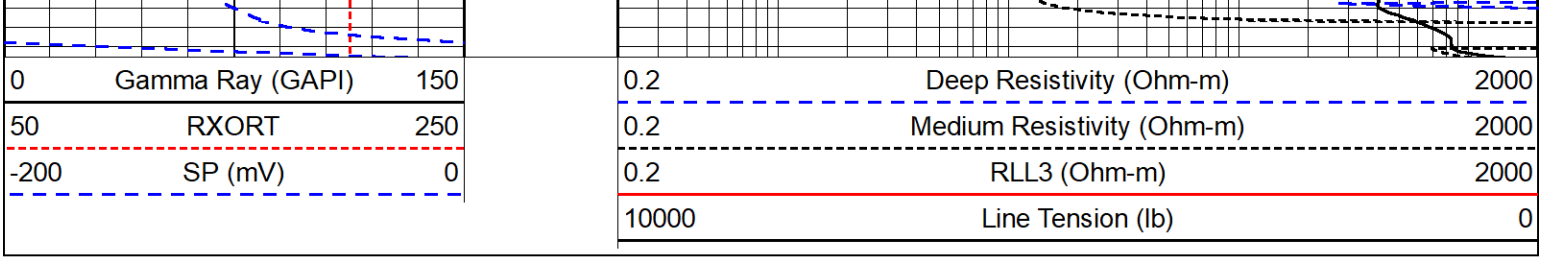
Database File	prospect_conger a #1.db
Dataset Pathname	StkMI/pass2.1
Presentation Format	_dil
Dataset Creation	Mon Apr 08 15:32:43 2024
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
50	RXORT	250
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	RLL3 (Ohm-m)	2000
10000	Line Tension (lb)	0




3350
3400
3450
3500



Calibration Report

Database File	prospect_conger a #1.db
Dataset Pathname	StkMl/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

	Readings		References			Results	
Loop:	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	PE

	Actual	Calibrated		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

MIDWEST WIRELINE

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