Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1364463

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33937
Name: Neal LaFon Realty Inc. dba Meridian Energy Inc.
Address 1: 1475 WARD DR
Address 2:
City: FRANKTOWN State: CO Zip: 80116 + 9405
Contact Person: Neal LaFon
Phone: (303) 688-4022
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Maxwell LaFon
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☑ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

04/26/2017	05/01/2017	05/01/2017
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-163-24330-00-00
Spot Description:
NW SW NE SW Sec. 25 Twp. 9 S. R. 19 ☐ East ☑ West
650 Feet from ☐ North / ☑ South Line of Section
1550 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Rooks
Lease Name: PARSONS Well #: 1
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 2196 Kelly Bushing: 2202
Total Vertical Depth: 3707 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 221 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 62000 ppm Fluid volume: 50 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 08/24/2017

[redacted]

1364463

Operator Name: Neal LaFon Realty Inc. dba Meridian Energy Inc. Lease Name: PARSONS Well #: 1

Sec. 25 Twp. 9 S. R. 19 ☐ East ☑ West County: Rooks

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Dual Induction
CNL/CDL
Microlog

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Stone Corral	1567	635
Topeka	3138	-936
Heebner	3350	-1148
Lansing	3389	-1187
BKC	3604	-1402
Cong	3620	-1418
Arbuckle	3666	-1464

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	10	8.625	23	221	60/40 poz	150	3%CC 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	PARSONS 1
Doc ID	1364463

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	10	8.625	23	221	60/40 poz	150	3%CC 2% gel

DRILL STEM TEST REPORT

Meridian Energy Inc.

1475 Ward Dr.
Franktow n, CO 80116

ATTN: Maxw ell LaFon

25-9S-19W Rooks, KS

Parsons #1

Job Ticket: 63185 **DST#: 1**

Test Start: 2017.04.30 @ 01:57:02

GENERAL INFORMATION:

Formation: **Toronto- LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:17:08
Time Test Ended: 11:27:37

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale
Unit No: 73

Interval: 3345.00 ft (KB) To 3440.00 ft (KB) (TVD)
Total Depth: 3440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

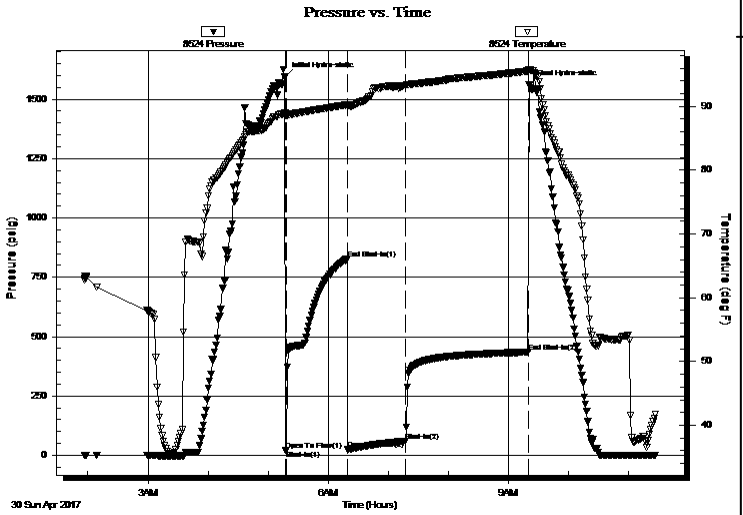
Reference Elevations: 2202.00 ft (KB)
2197.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8524 **Outside**

Press@RunDepth: 60.29 psig @ 3372.00 ft (KB)
Start Date: 2017.04.30 End Date: 2017.04.30
Start Time: 01:57:03 End Time: 11:27:37

Capacity: 8000.00 psig
Last Calib.: 2017.04.30
Time On Btm: 2017.04.30 @ 05:16:53
Time Off Btm: 2017.04.30 @ 09:20:23

TEST COMMENT: 002- IF- .5" blow
060- ISI- No blow
060- FF- Slow ly built to 9"
120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1593.65	88.94	Initial Hydro-static
1	21.28	88.52	Open To Flow (1)
2	22.45	88.54	Shut-In(1)
62	826.91	90.25	End Shut-In(1)
63	23.75	90.03	Open To Flow (2)
120	60.29	93.32	Shut-In(2)
243	434.34	95.56	End Shut-In(2)
244	1559.59	95.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	WM, 10%W 90%M	1.35

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

Meridian Energy Inc.

1475 Ward Dr.
Franktown, CO 80116

ATTN: Maxwell LaFon

25-9S-19W Rooks, KS

Parsons #1

Job Ticket: 63185 **DST#: 1**

Test Start: 2017.04.30 @ 01:57:02

GENERAL INFORMATION:

Formation: **Toronto- LKC "C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:17:08
Time Test Ended: 11:27:37

Test Type: Conventional Bottom Hole (Initial)
Tester: Brannan Lonsdale
Unit No: 73

Interval: 3345.00 ft (KB) To 3440.00 ft (KB) (TVD)
Total Depth: 3440.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

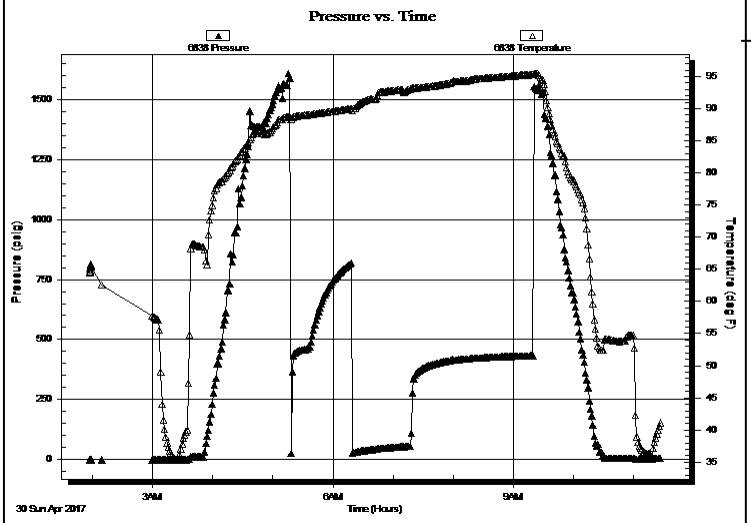
Reference Elevations: 2202.00 ft (KB)
2197.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6838 **Inside**

Press@RunDepth: psig @ 3372.00 ft (KB)
Start Date: 2017.04.30 End Date: 2017.04.30
Start Time: 01:57:18 End Time: 11:27:52

Capacity: 8000.00 psig
Last Calib.: 2017.04.30
Time On Btm:
Time Off Btm:

TEST COMMENT: 002- IF- .5" blow
060- ISI- No blow
060- FF- Slowly built to 9"
120- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
95.00	WM, 10%W 90%M	1.35

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

FLUID SUMMARY

Meridian Energy Inc.

1475 Ward Dr.
Franktown, CO 80116

ATTN: Maxwell LaFon

25-9S-19W Rooks, KS

Parsons #1

Job Ticket: 63185 **DST#: 1**

Test Start: 2017.04.30 @ 01:57:02

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	26000 ppm
Viscosity:	67.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	WM, 10%W 90%M	1.347

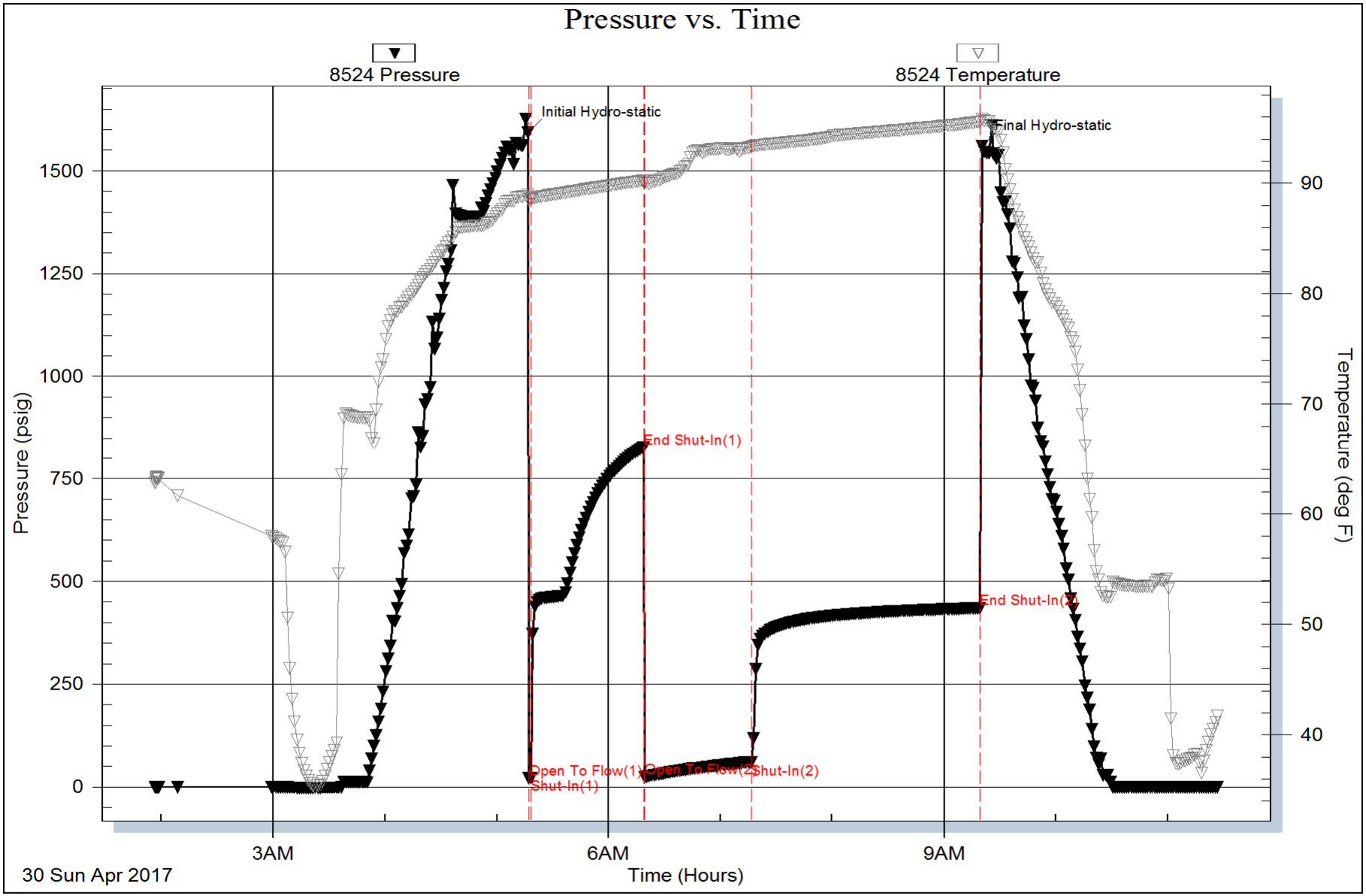
Total Length: 95.00 ft Total Volume: 1.347 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

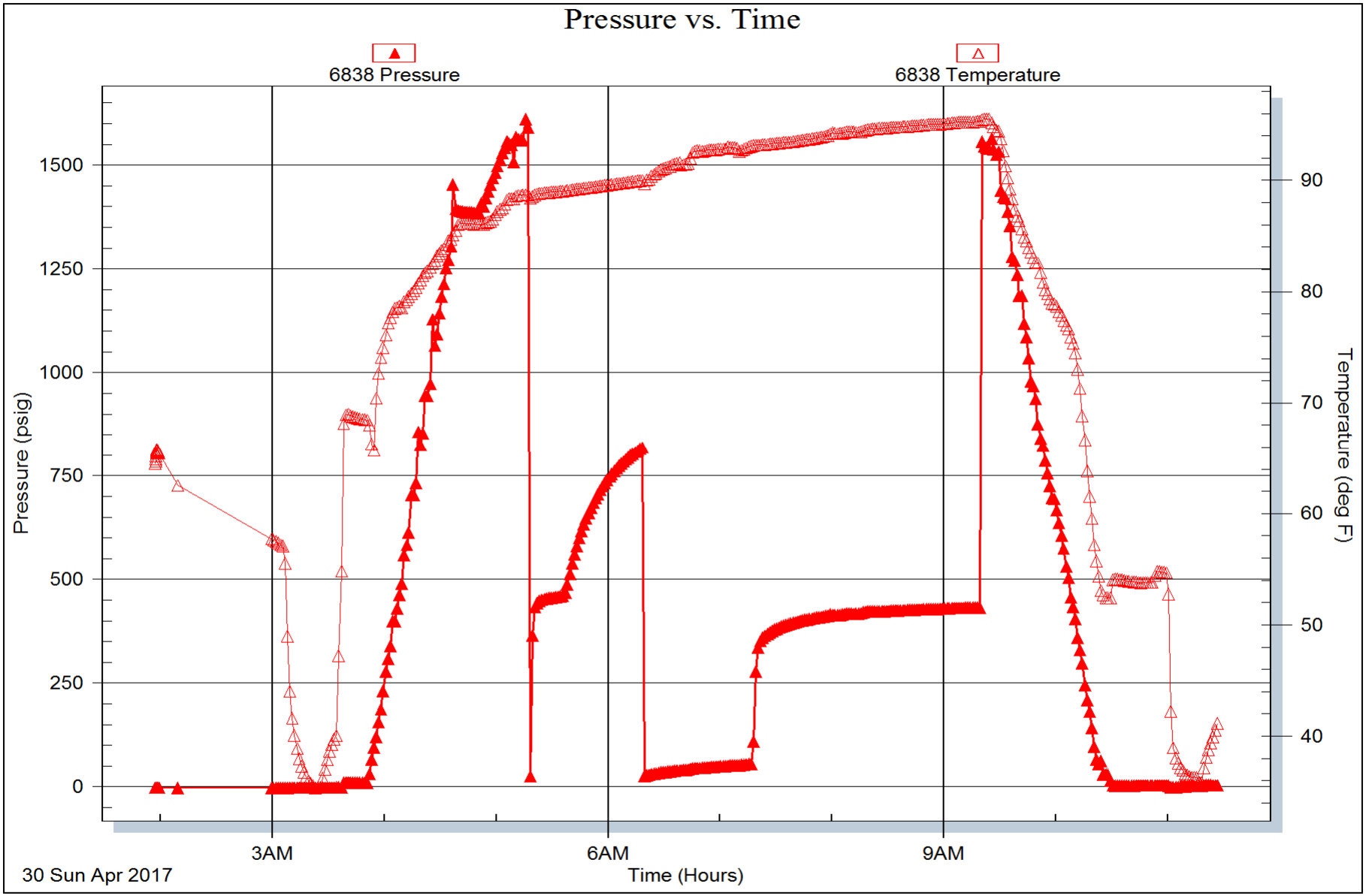
Recovery Comments: Sampler: 2000mL W @ 100PSI
RW: .40@44deg

Serial #: 8524 **Outside** Meridian Energy Inc. Parsons #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63185 Printed: 2017.04.30 @ 11:54:21

Serial #: 6838 **Inside** Meridian Energy Inc. Parsons #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 63185 Printed: 2017.04.30 @ 11:54:21

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DUAL INDUCTION LOG

Company MERIDIAN ENERGY, INC.
Well PARSONS #1
Field WILDCAT
County ROOKS State KANSAS
Location: API # : 15-163-24330-00-00
650' FSL & 1550' FWL
SEC 25 TWP 9S RGE 19W

Other Services: CNL/CDL, MEL

Elevation: K.B. 2202', D.F. N/A, G.L. 2196'

Permanent Datum: GROUND LEVEL Elevation 2196'
Log Measured From: KELLY BUSHING
Drilling Measured From: KELLY BUSHING

Company MERIDIAN ENERGY, INC.
Well PARSONS #1
Field WILDCAT
County ROOKS
State KANSAS

Date	5/1/2017				
Run Number	ONE				
Depth Driller	3705'				
Depth Logger	3707'				
Bottom Logged Interval	3706'				
Top Log Interval	200'				
Casing Driller	8.625" @ 221'				
Casing Logger	220'				
Bit Size	7.875"				
Type Fluid in Hole	CHEMICAL				
Salinity,ppm CL	6000				
Density / Viscosity	9.0	46			
pH / Fluid Loss	9.5	8.0			
Source of Sample	FLOWLINE				
Rm @ Meas. Temp	0.40 @ 70				
Rmf @ Meas. Temp	0.30 @ 70				
Rmc @ Meas. Temp	0.54 @ 70				
Source of Rmf / Rmc	CHARTS				
Rm @ BHT	0.25 @ 113				
Operating Rig Time	3 HOURS				
Max Rec. Temp. F	113				
Equipment Number	91				
Location	COLBY				
Recorded By	D. SCHMIDT				
Witnessed By	MAXWELL LAFON				

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

ZURICH,
3 EAST, NORTH INTO

Log Measured From: KELLY BUSHING 6 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: MAXWELL LAFON
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

Database C:\ProgramData\Warrior\Data\meridian_parsons_1.db
Dataset field/well/STKML/pass3.3/_vars_

Top - Bottom

M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	70	0

SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	70	0	5.5	0	3707	113	7.875

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			GR-M&W (89)	3.00	3.50	50.00
GR	40.58					
CNLSC	37.48		CNT-M&W (207-MW)	5.50	3.50	100.00
CNSSC	36.73					
			CDL-M&W (90-1031)	8.50	4.00	250.00
LSD	28.43					
DCAL	28.42					
SSD	27.93					
			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
MCAL	19.83					
MI	19.83					
MN	19.83					
RLL3F	15.80					
RLL3	15.80					

			DIL-M&W (PSI 91)	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					

Dataset:	meridian_parsons_1.db: field/well/STKML/pass3.3
Total length:	43.08 ft
Total weight:	685.00 lb
O.D.:	4.00 in

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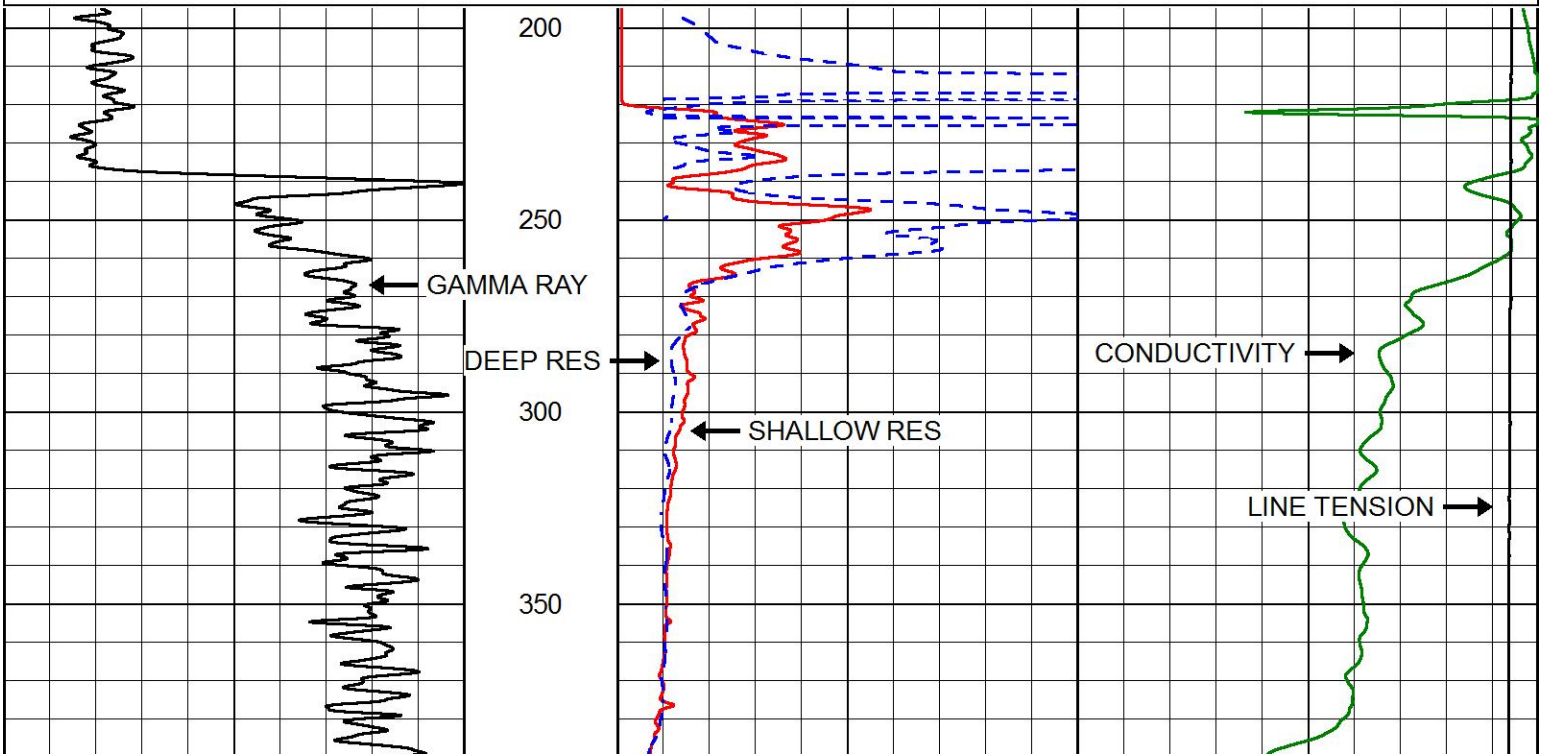
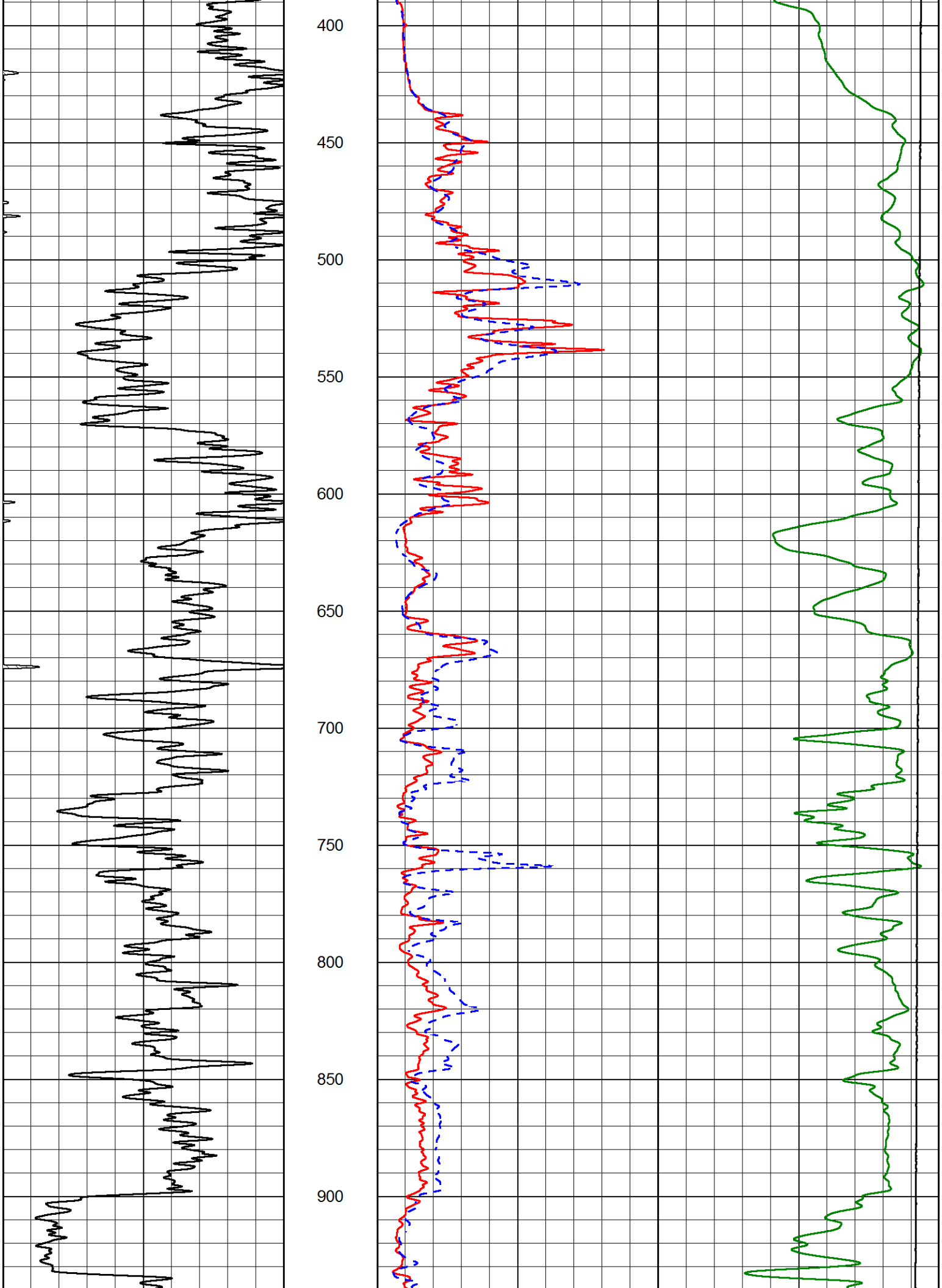
MAIN PASS

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.1
Presentation Format	dil2in
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
1000	Conductivity (mmho/m)	0
15000	Line Tension (lb)	0
0	Shallow Resistivity (Ohm-m)	50
0	Deep Resistivity (Ohm-m)	50
	Shallow Resistivity	
50	(Ohm-m)	500
50	Deep Resistivity (Ohm-m)	500

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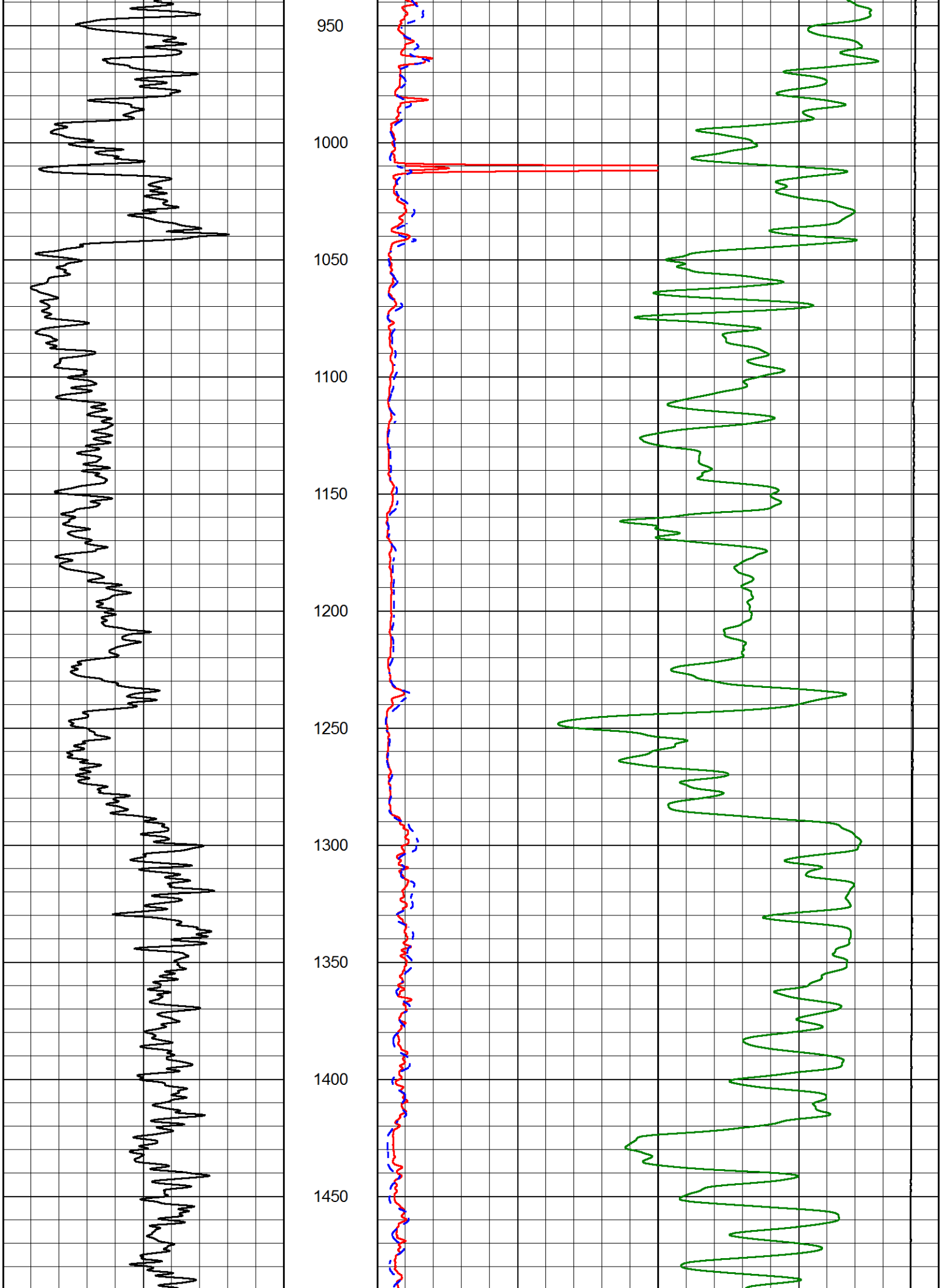
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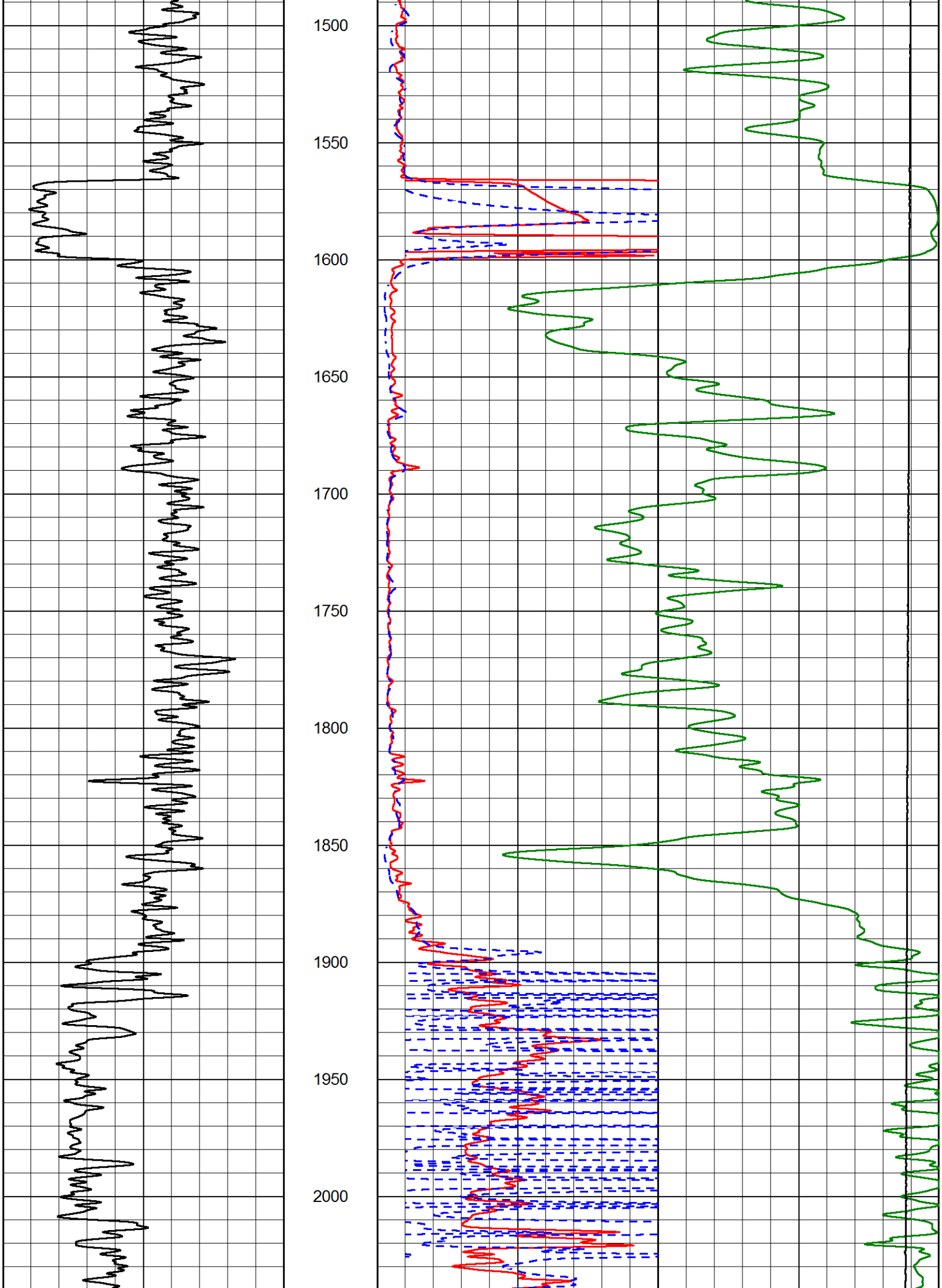
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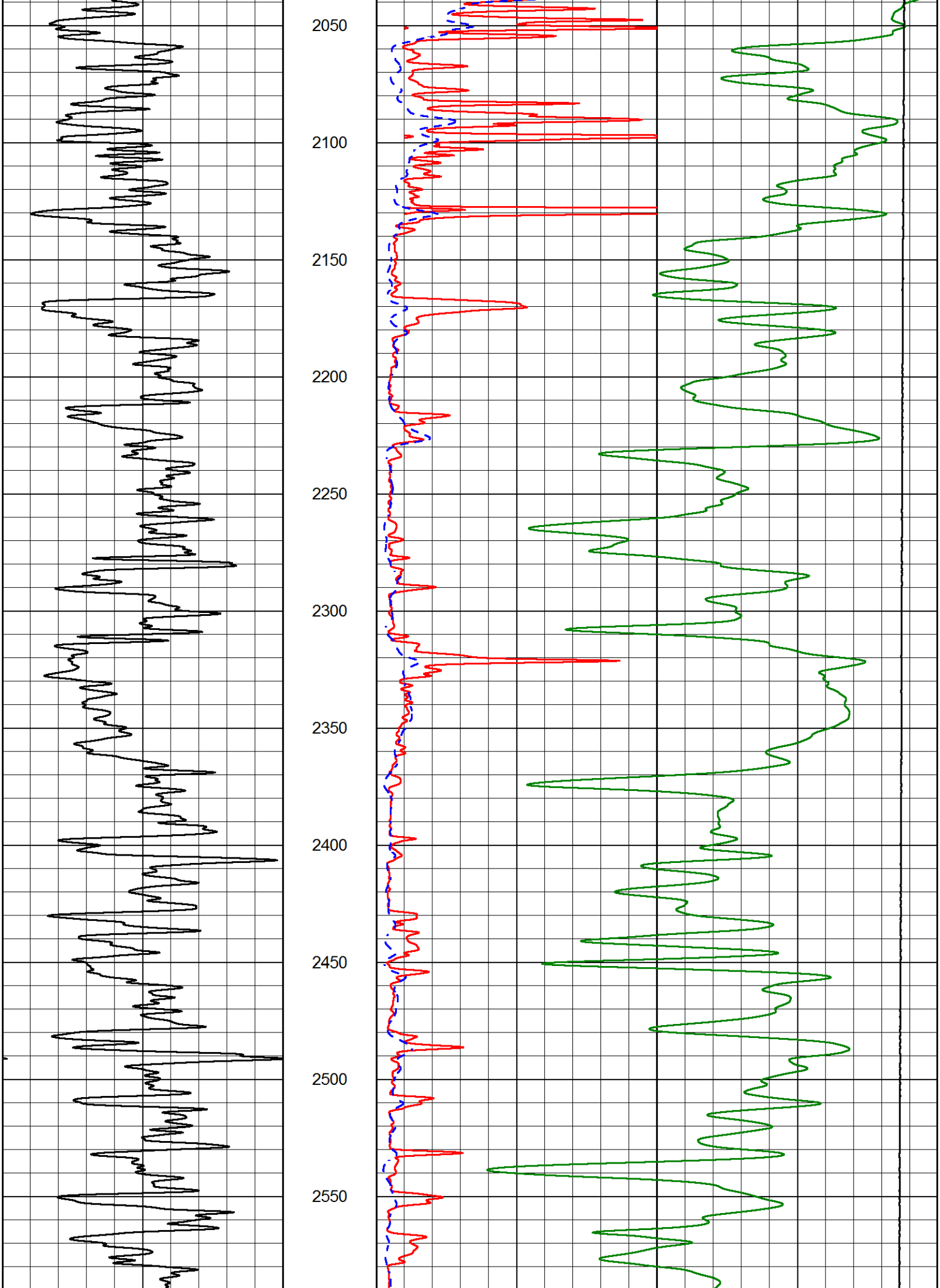
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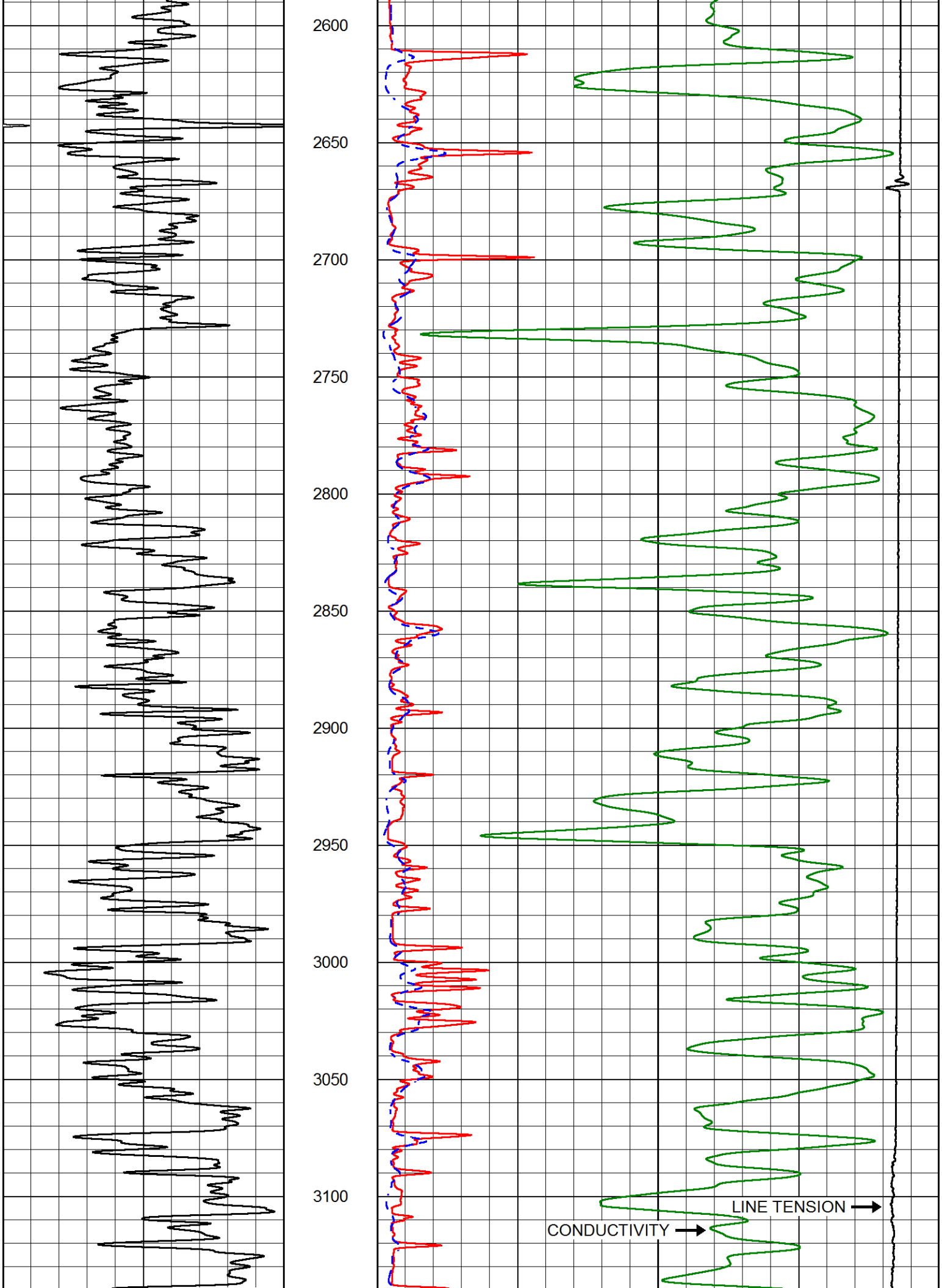
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2900
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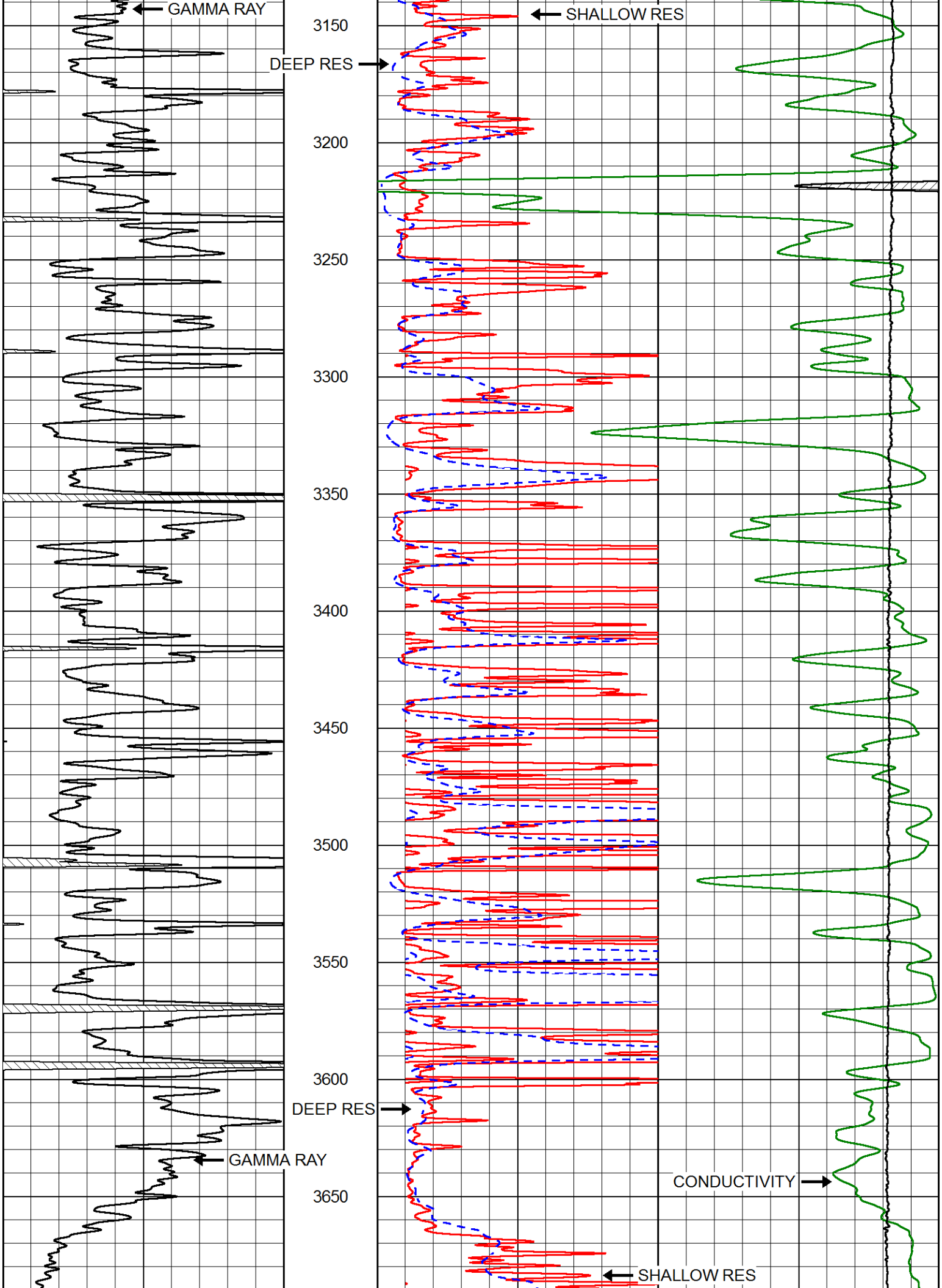
3000
3050
3100
LINE TENSION
CONDUCTIVITY


GAMMA RAY
SHALLOW RES
3150
DEEP RES
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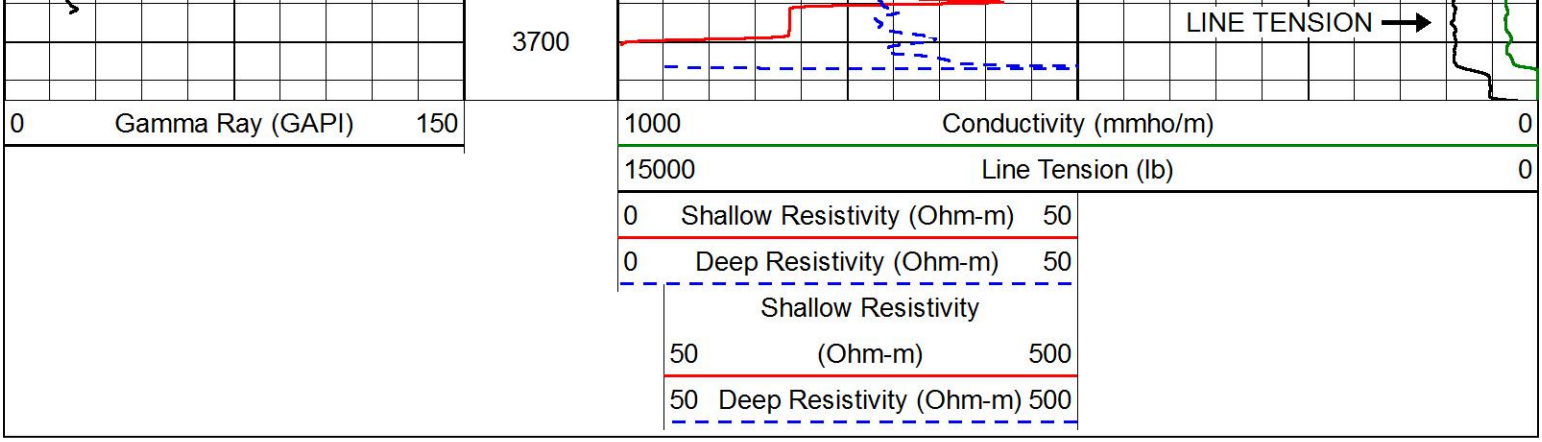
DEEP RES
GAMMA RAY
3650
CONDUCTIVITY
SHALLOW RES



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Pioneer Energy Services

MAIN PASS

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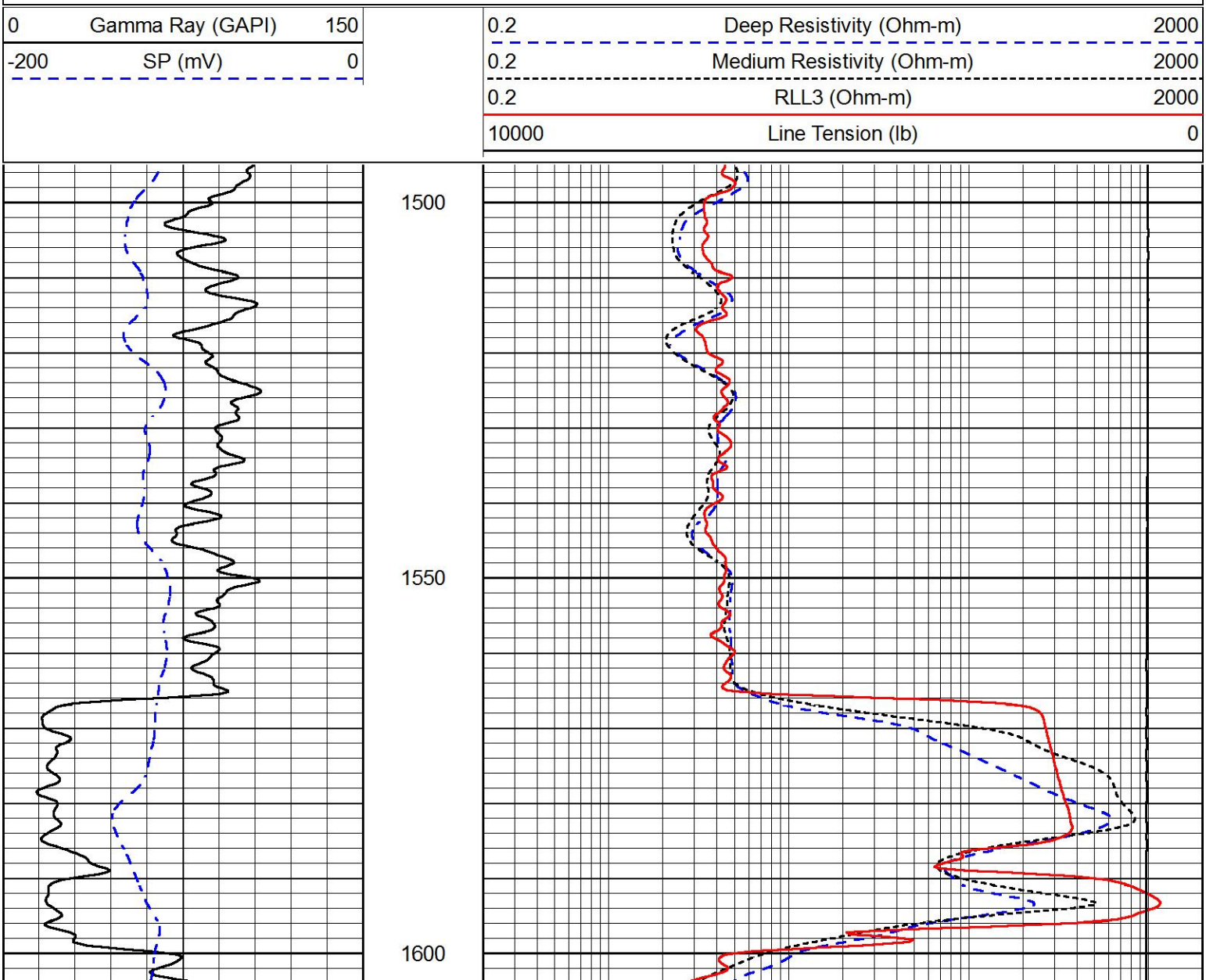
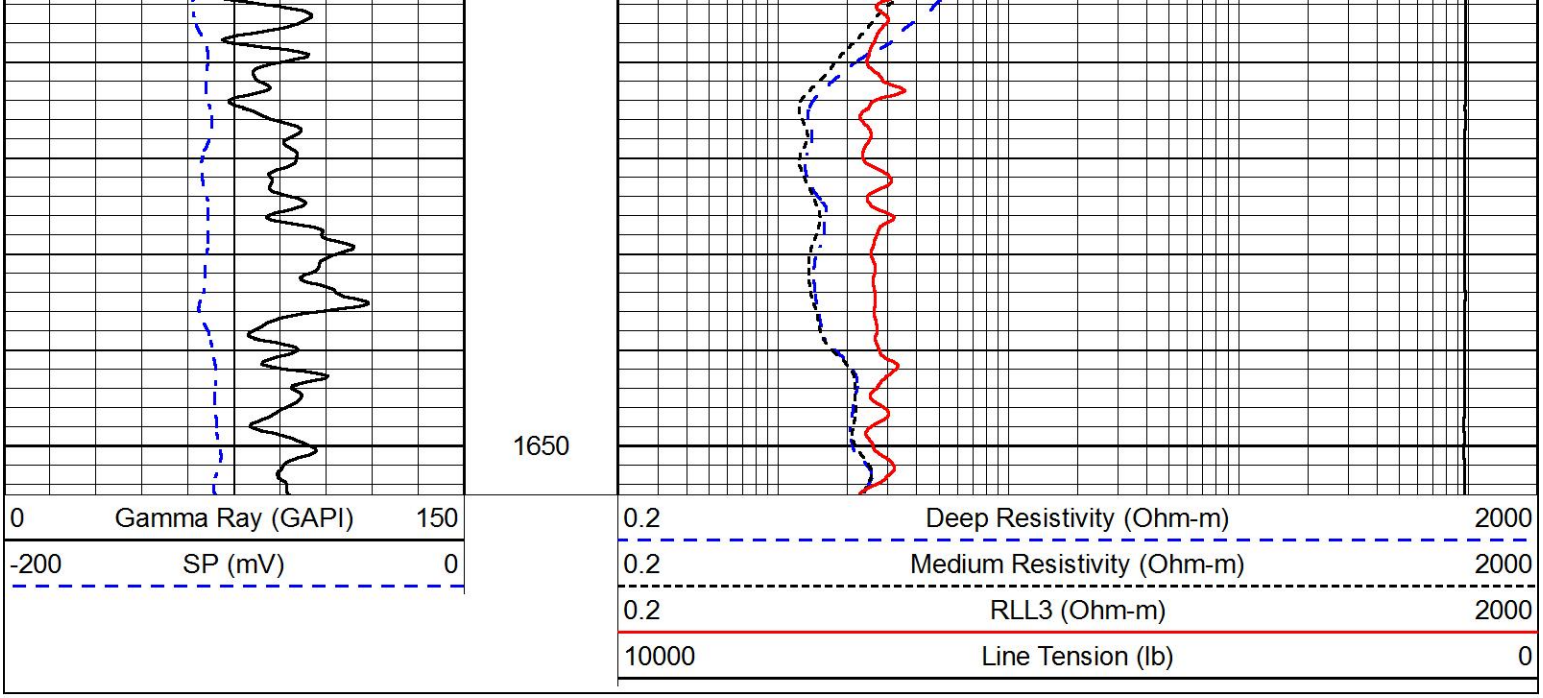
Dataset Pathname	STKML/pass3.1
Presentation Format	dil
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:240

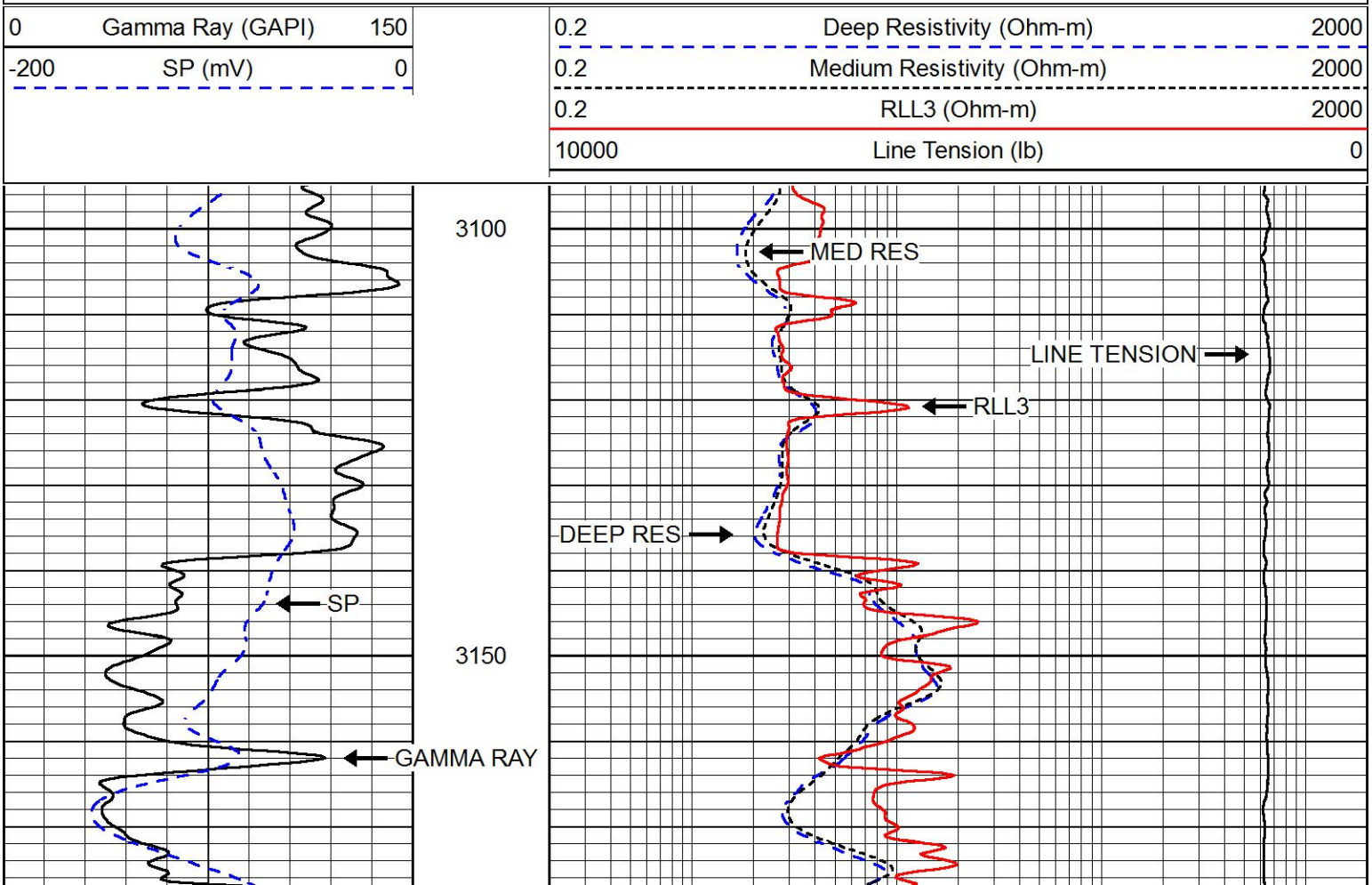


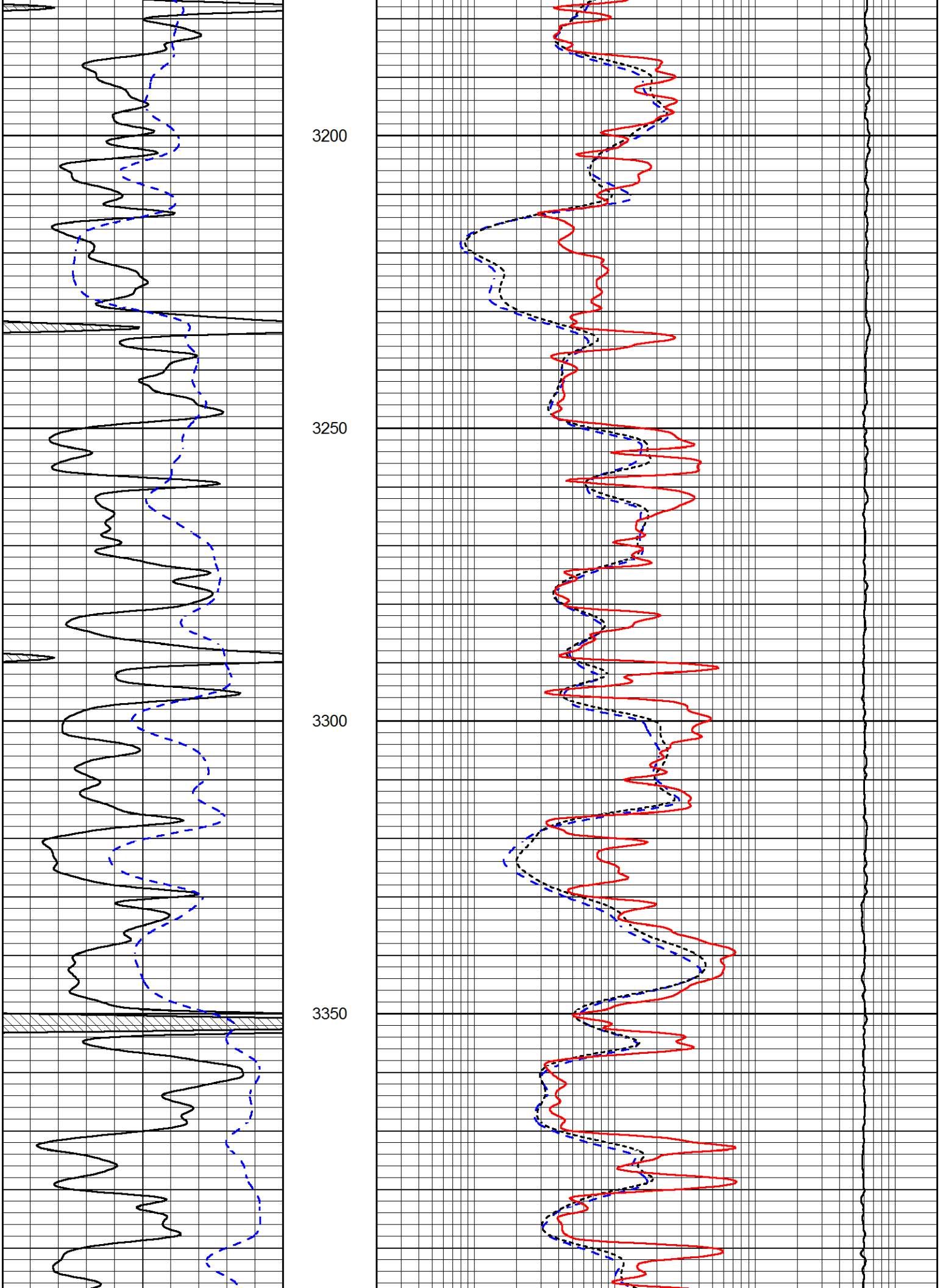


PIONEER
Pioneer Energy Services

MAIN PASS

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.1
Presentation Format	dil
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:240

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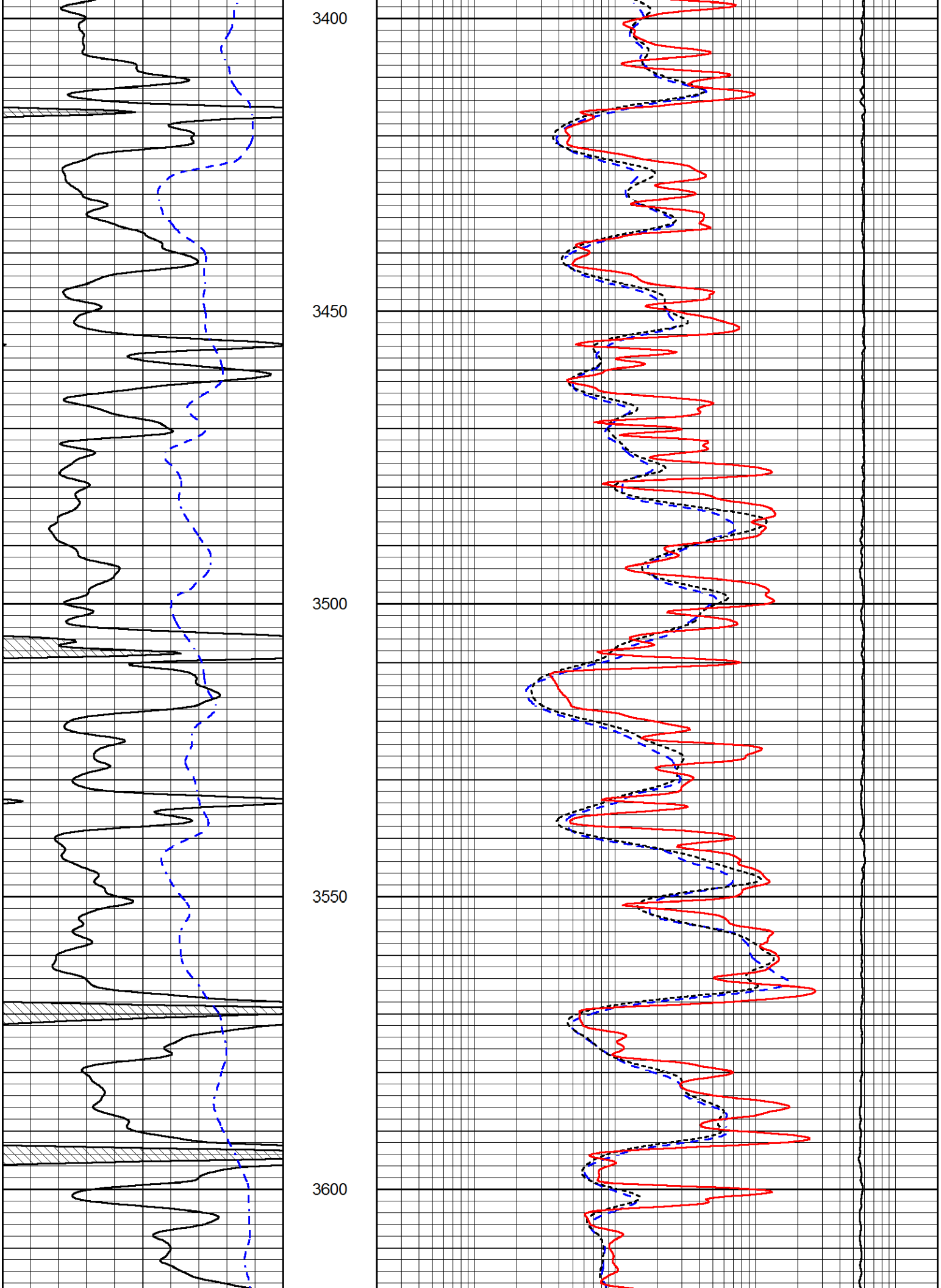
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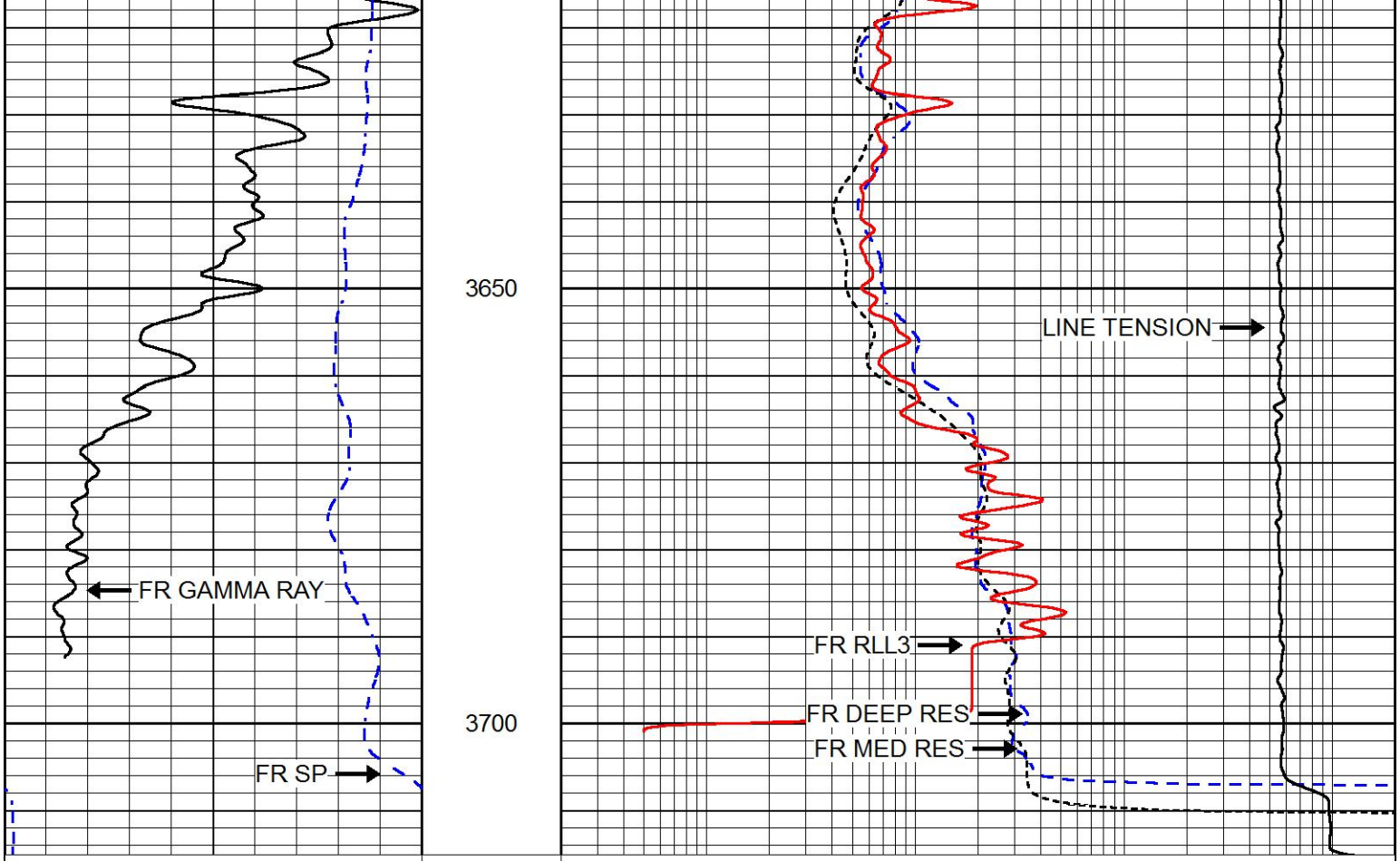


0	Gamma Ray (GAPI)	150
-200	SP (mV)	0

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

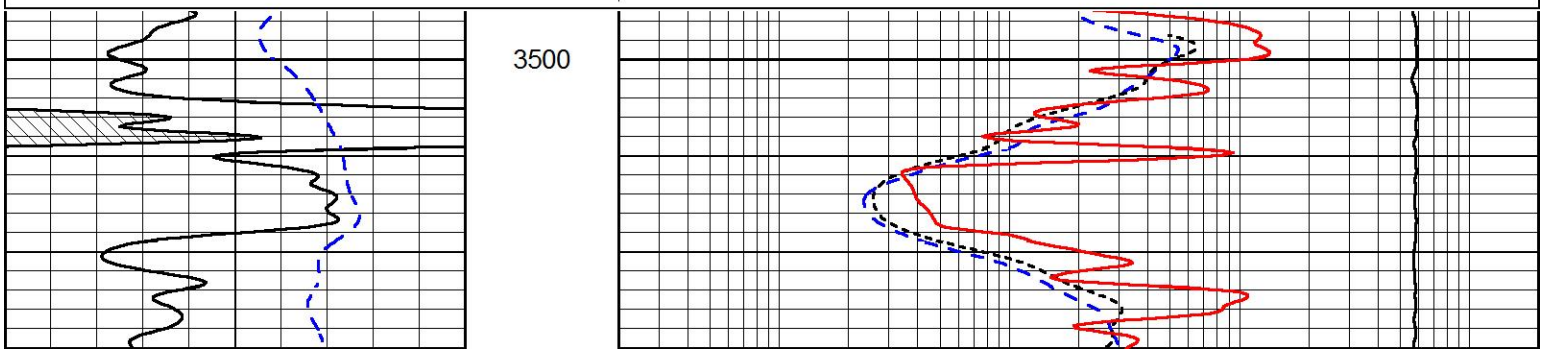
PIONEER
Pioneer Energy Services

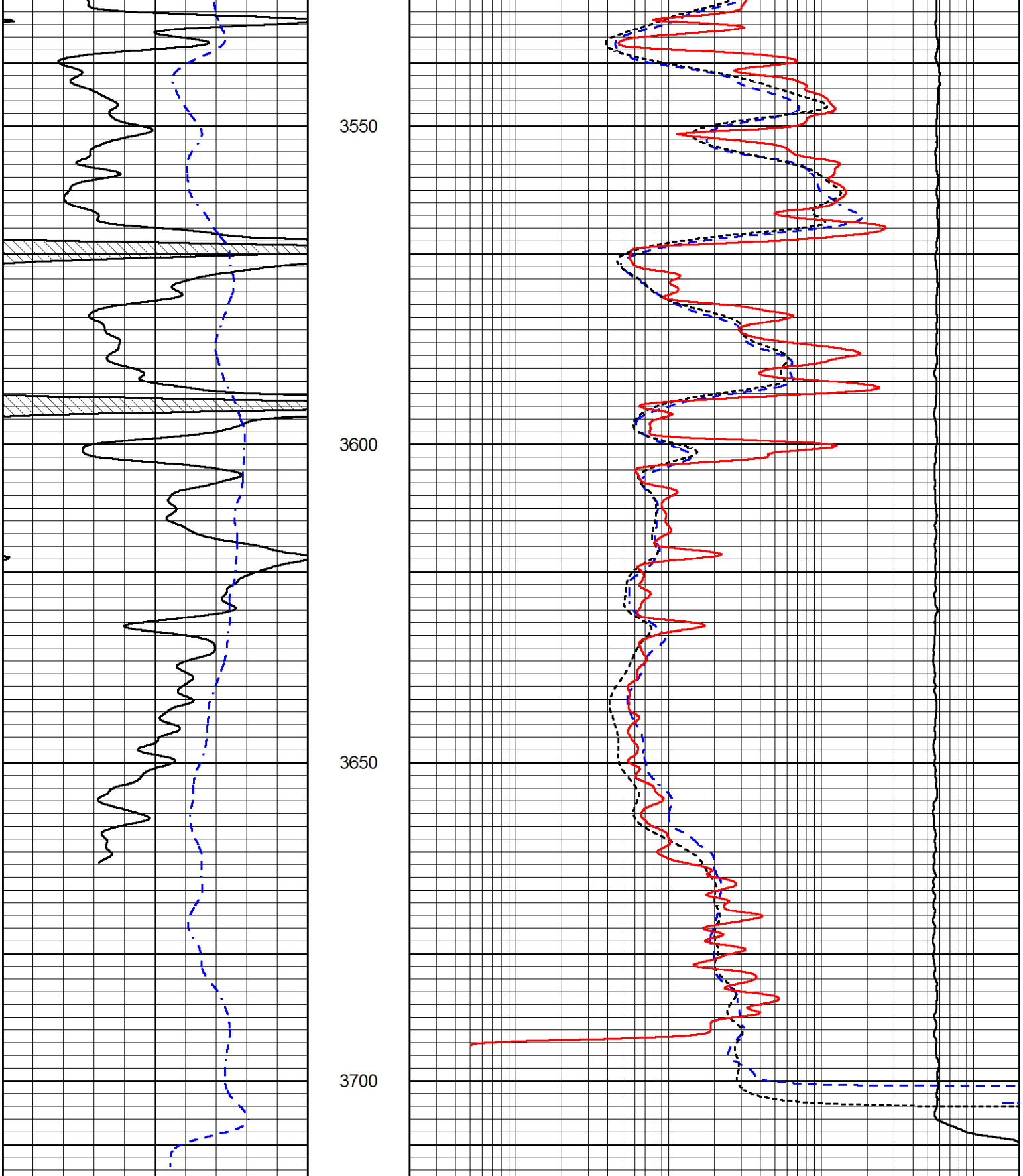
REPEAT SECTION

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass2.2
Presentation Format	dil
Dataset Creation	Mon May 01 19:14:18 2017
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-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





Calibration Report

Database File	meridian_parsons_1.db

Dataset Pathname STKML/pass3.3
Dataset Creation Mon May 01 19:45:21 2017

Dual Induction Calibration Report

Serial-Model: PSI 91-M&W
Calibration Performed: Thu Apr 20 22:50:10 2017

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	166.796	835.089	0.000	255.800	mmho/m	0.410	-30.000
Medium	142.009	1348.560	0.000	255.800	mmho/m	0.360	-31.000

Microlog Calibration Report

Serial-Model: PSI-01-PSIML
Performed: Fri Apr 28 11:03:55 2017

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	-0.8000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	19000.0000	-0.2000
Caliper	1.0001	1.1397	6.5000	18.5000	in	70.0000	-65.5250

Compensated Density Calibration Report

Serial-Model: 90-1031-M&W
Source / Verifier: 16955B / 2ci
Master Calibration Performed: Fri Mar 31 18:42:23 2017

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	5174.18	6425.27	cps
Aluminum	2.665	g/cc	963.17	4037.42	cps

Spine Angle = 74.55
Density/Spine Ratio = 0.522

	Size		Reading
Small Ring	8.00	in	1.84
Large Ring	22.00	in	1.46

Compensated Neutron Calibration Report

Serial Number: 207-MW
Tool Model: M&W
Calibration Performed: Fri Mar 31 10:30:30 2017

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: 89

Serial Number:	65	
Tool Model:	M&W	
Calibration Performed:	Fri Mar 31 18:42:32 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps

PIONEER
Pioneer Energy Services

Company	MERIDIAN ENERGY, INC.
Well	PARSONS #1
Field	WILDCAT
County	ROOKS
State	KANSAS

PIONEER
Pioneer Energy Services

DUAL COMP POROSITY LOG

Company MERIDIAN ENERGY, INC.
Well PARSONS #1
Field WILDCAT
County ROOKS State KANSAS

Location: API #: 15-163-24330-00-00
650' FSL & 1550' FWL
SEC 25 TWP 9S RGE 19W

Other Services: DIL/MEL

Elevation: K.B. 2202' D.F. N/A G.L. 2196'

Company	MERIDIAN ENERGY, INC.
Well	PARSONS #1
Field	WILDCAT
County	ROOKS
State	KANSAS
Date	5/1/2017
Run Number	ONE
Type Log	CNL/CDL
Depth Driller	3705'
Depth Logger	3707'
Bottom Logged Interval	3697'
Top Logged Interval	3100'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	6000
Density	9.0
Level	FULL
Max. Rec. Temp. F	113
Operating Rig Time	3 HOURS
Equipment -- Location	91 COLBY
Recorded By	D. SCHMIDT
Witnessed By	MAXWELL LAFON
Permanent Datum	GROUND LEVEL
Elevation	2196'
Log Measured From	KELLY BUSHING
Drilling Measured From	KELLY BUSHING

Borehole Record

Run No.	Bit	From	To
ONE	12.25"	0'	221'
TWO	7.875"	221'	TD

Casing Record

Size	Wgt.	From	To
8.625"	23#	0'	221'

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

ZURICH,
3 EAST, NORTH INTO

Log Measured From: KELLY BUSHING 6 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: MAXWELL LAFON
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

Database C:\ProgramData\Warrior\Data\meridian_parsons_1.db
Dataset field/well/STKML/pass3.3/_vars_

Top - Bottom

M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	70	0

SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	70	0	5.5	0	3707	113	7.875

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			GR-M&W (89)	3.00	3.50	50.00
GR	40.58					
CNLSC	37.48		CNT-M&W (207-MW)	5.50	3.50	100.00
CNSSC	36.73					
			CDL-M&W (90-1031)	8.50	4.00	250.00
LSD	28.43					
DCAL	28.42					
SSD	27.93					
			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
MCAL	19.83					
MI	19.83					
MN	19.83					
RLL3F	15.80					
RLL3	15.80					

			DIL-M&W (PSI 91)	18.50	3.50	220.00
CILD	8.00					
CILM	4.70					
SP	0.20					

Dataset:	meridian_parsons_1.db: field/well/STKML/pass3.3
Total length:	43.08 ft
Total weight:	685.00 lb
O.D.:	4.00 in

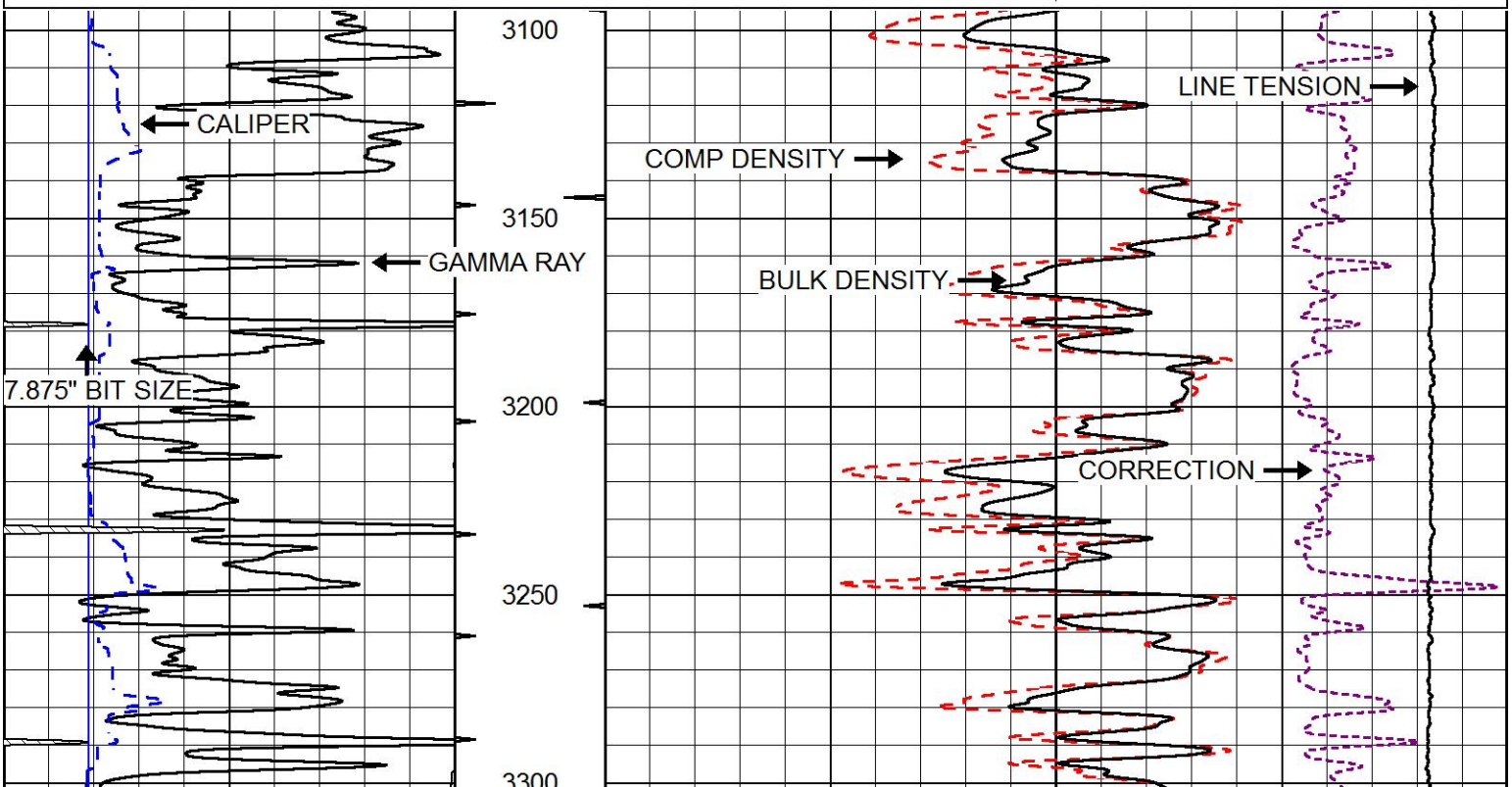
PIONEER
Pioneer Energy Services

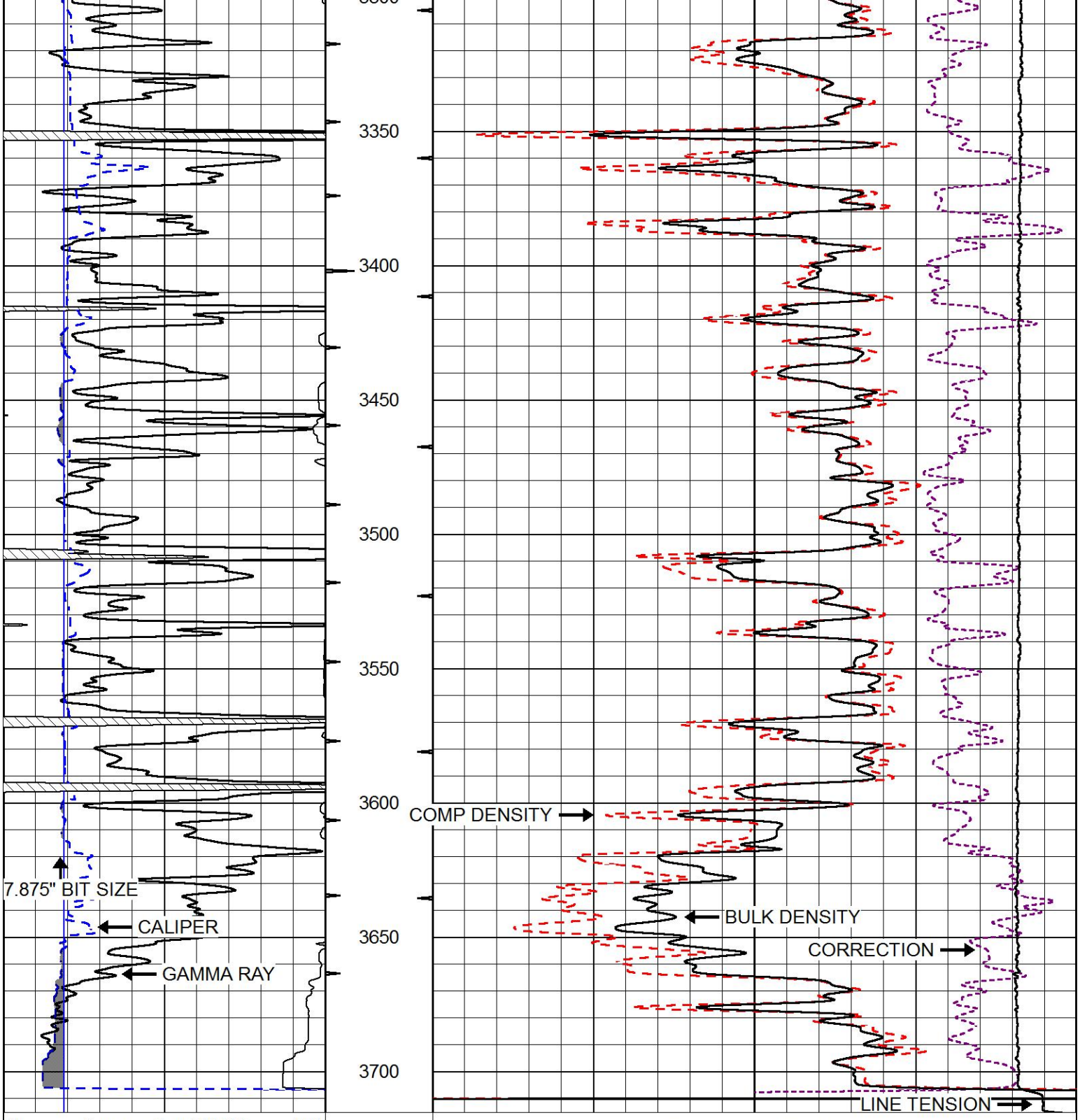
MAIN PASS

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.1
Presentation Format	cdl
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:600

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

	Compensated Density (2.71 MA)	
30	(pu)	-10
2	Bulk Density (g/cc)	3
15000	Line Tension (lb)	0
-0.25	Correction (g/cc)	0.25

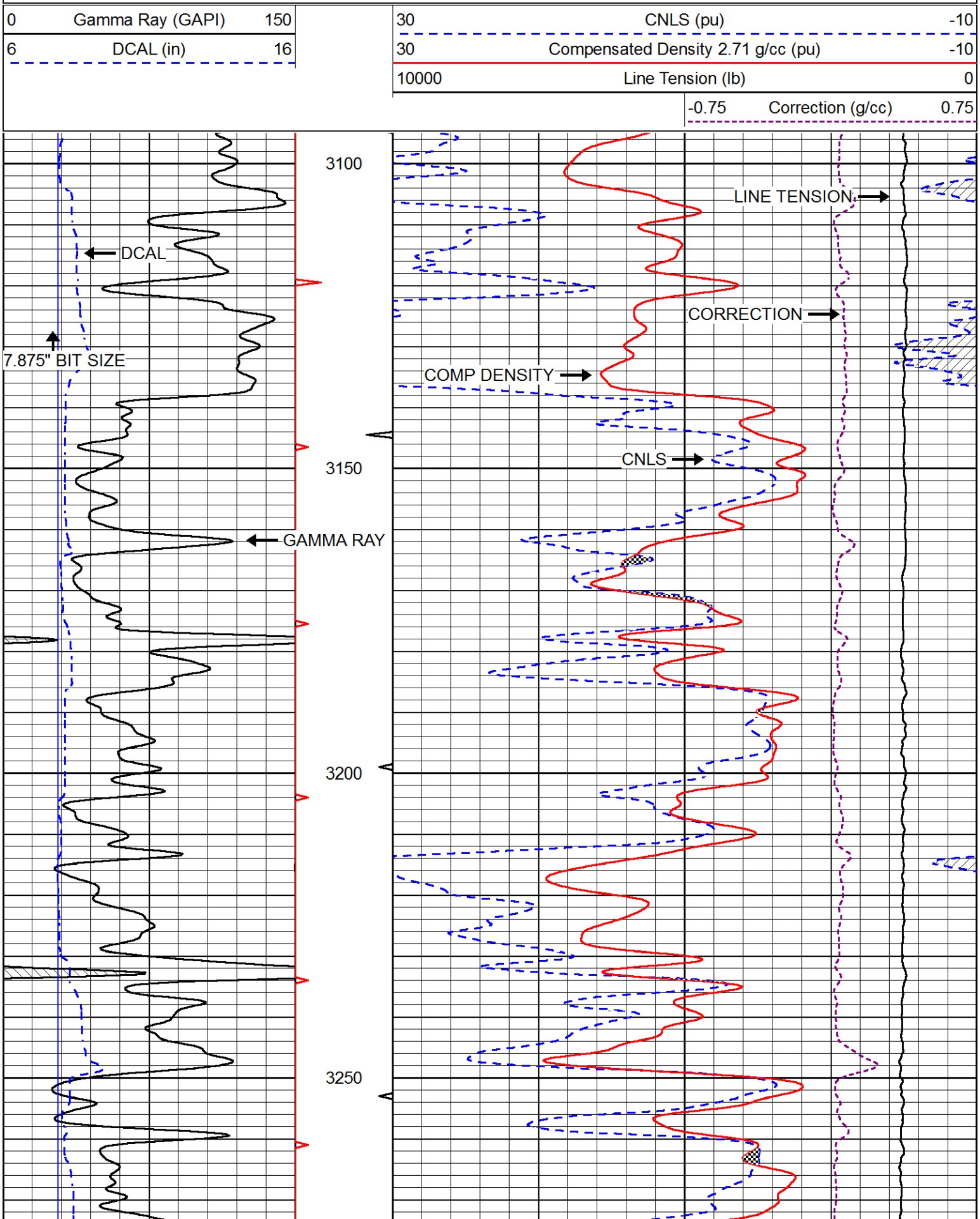


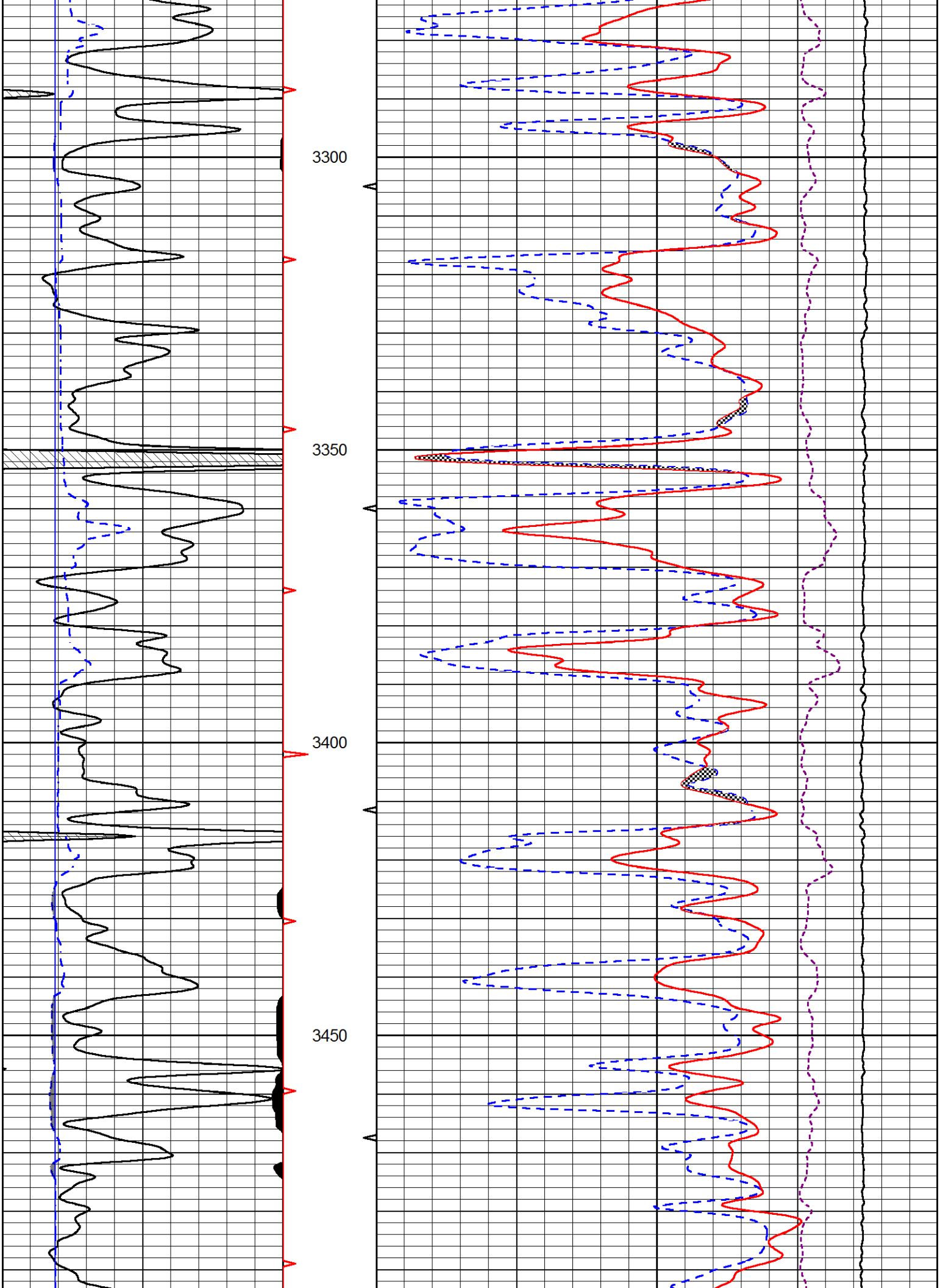


PIONEER
Pioneer Energy Services

MAIN PASS

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.1
Presentation Format	cndlspec
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:240

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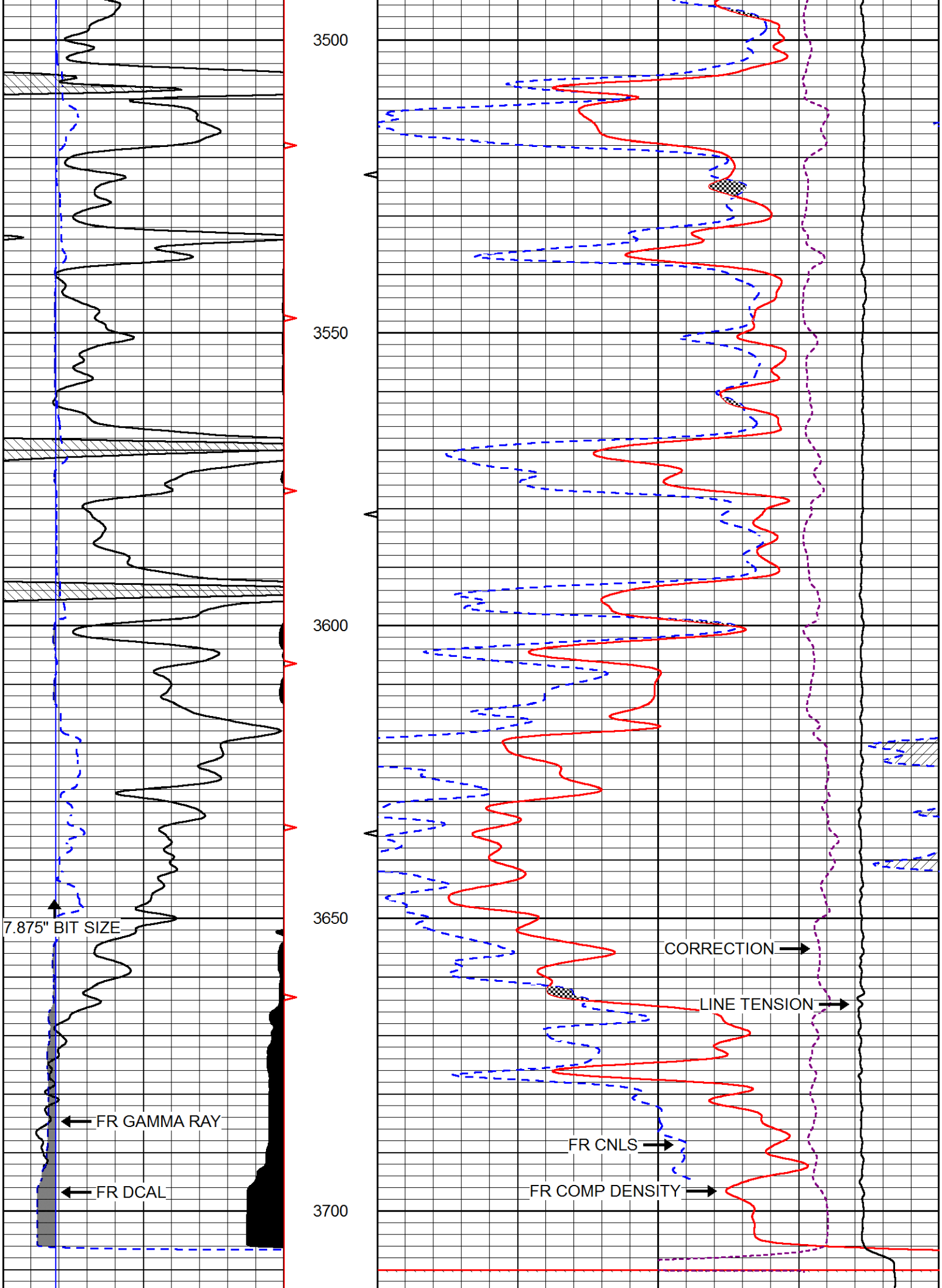
3350
3400
3450


3500
3550
3600
3650
3700
7.875" BIT SIZE
FR GAMMA RAY
FR DCAL
CORRECTION
LINE TENSION
FR CNLS
FR COMP DENSITY

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

30	CNLS (pu)	-10
30	Compensated Density 2.71 g/cc (pu)	-10
10000	Line Tension (lb)	0
-0.75	Correction (g/cc)	0.75

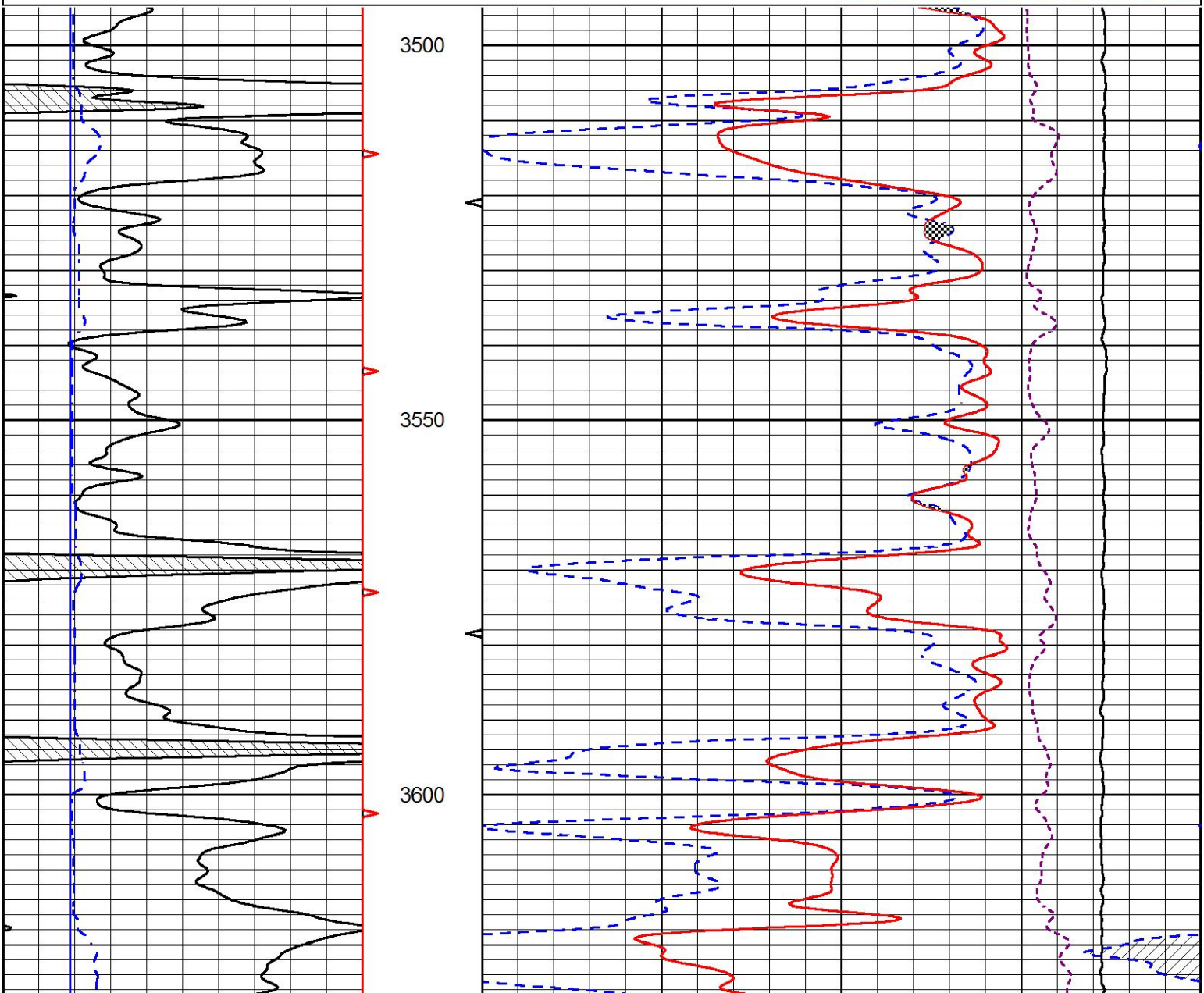
PIONEER
Pioneer Energy Services

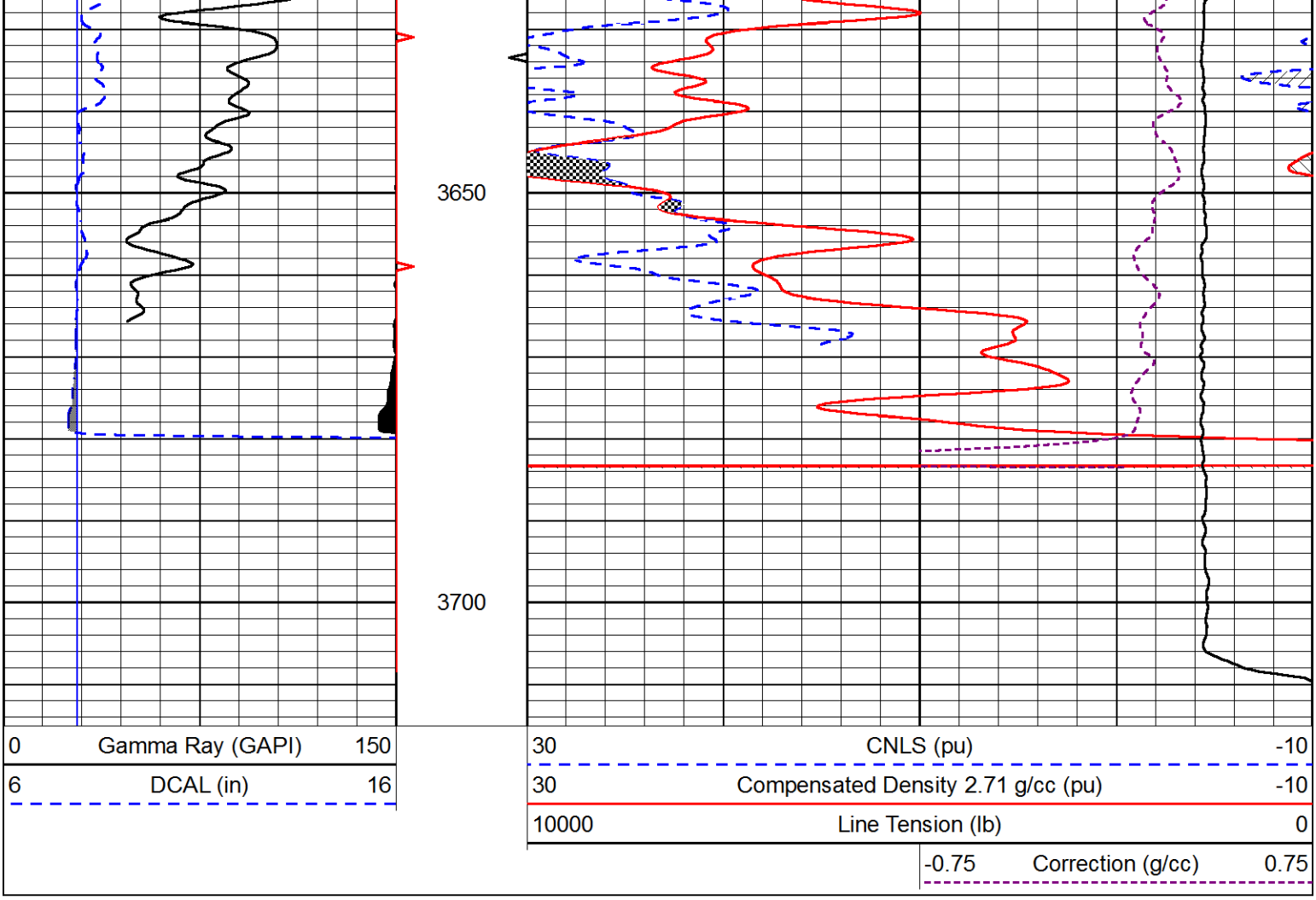
REPEAT SECTION

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass2.2
Presentation Format	cndlspec
Dataset Creation	Mon May 01 19:14:18 2017
Charted by	Depth in Feet scaled 1:240

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

30	CNLS (pu)	-10
30	Compensated Density 2.71 g/cc (pu)	-10
10000	Line Tension (lb)	0
-0.75	Correction (g/cc)	0.75





Calibration Report

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.3
Dataset Creation	Mon May 01 19:45:21 2017

Dual Induction Calibration Report

Serial-Model:	PSI 91-M&W
Calibration Performed:	Thu Apr 20 22:50:10 2017

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	166.796	835.089	0.000	255.800	mmho/m	0.410	-30.000
Medium	142.009	1348.560	0.000	255.800	mmho/m	0.360	-31.000

Microlog Calibration Report

Serial-Model:	PSI-01-PSIML
Performed:	Fri Apr 28 11:03:55 2017

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	-0.8000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	19000.0000	-0.2000
Caliper	1.0001	1.1397	6.5000	18.5000	in	70.0000	-65.5250

Compensated Density Calibration Report

Serial-Model:	90-1031-M&W
Source / Verifier:	16955B / 2ci
Master Calibration Performed:	Fri Mar 31 18:42:23 2017

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	5174.18	6425.27	cps
Aluminum	2.665	g/cc	963.17	4037.42	cps

Spine Angle = 74.55 Density/Spine Ratio = 0.522

	Size		Reading
Small Ring	8.00	in	1.84
Large Ring	22.00	in	1.46

Compensated Neutron Calibration Report

Serial Number:	207-MW
Tool Model:	M&W
Calibration Performed:	Fri Mar 31 10:30:30 2017

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:	89	
Tool Model:	M&W	
Calibration Performed:	Fri Mar 31 18:42:32 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps

PIONEER
Pioneer Energy Services

Company	MERIDIAN ENERGY, INC.
Well	PARSONS #1
Field	WILDCAT
County	ROOKS
State	KANSAS

PIONEER
Pioneer Energy Services

MICRORESISTIVITY LOG

Company MERIDIAN ENERGY, INC.
Well PARSONS #1
Field WILDCAT
County ROOKS State KANSAS

Location: API # : 15-163-24330-00-00
650' FSL & 1550' FWL
SEC 25 TWP 9S RGE 19W

Other Services
CNL/CDL
DIL

Elevation
K.B. 2202'
D.F. N/A
G.L. 2196'

Permanent Datum GROUND LEVEL Elevation 2196'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Company MERIDIAN ENERGY, INC.
Well PARSONS #1
Field WILDCAT
County ROOKS
State KANSAS

Date	5/1/2017			
Run Number	ONE			
Depth Driller	3705'			
Depth Logger	3707'			
Bottom Logged Interval	3706'			
Top Log Interval	3100'			
Casing Driller	8.625" @ 221'			
Casing Logger	220'			
Bit Size	7.875"			
Type Fluid in Hole	CHEMICAL			
Salinity,ppm CL	6000			
Density / Viscosity	9.0 46			
pH / Fluid Loss	9.5 8.0			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	0.40 @ 70			
Rmf @ Meas. Temp	0.30 @ 70			
Rmc @ Meas. Temp	0.54 @ 70			
Source of Rmf / Rmc	CHARTS			
Rm @ BHT	0.25 @ 113			
Operating Rig Time	3 HOURS			
Max Rec. Temp. F	113			
Equipment Number	91			
Location	COLBY			
Recorded By	D. SCHMIDT			
Witnessed By	MAXWELL LAFON			

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

ZURICH,
3 EAST, NORTH INTO

Log Measured From: KELLY BUSHING 6 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneeres.com 785-625-3858

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: D. SCHMIDT	Primary Witness: MAXWELL LAFON
Operator:	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

Database C:\ProgramData\Warrior\Data\meridian_parsons_1.db
Dataset field/well/STKML/pass3.3/_vars_

Top - Bottom

M	A	SZCOR	NPORSEL	FLUIDDEN g/cc	MATRXDEN g/cc	SPSHIFT mV	SNDERRM mmho/m
2	1	Off	Limestone	1	2.71	70	0

SNDERR mmho/m	SRFTEMP degF	CASETHCK in	CASEOD in	PERFS	TDEPTH ft	BOTTEMP degF	BOREID in
0	70	0	5.5	0	3707	113	7.875

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			GR-M&W (89)	3.00	3.50	50.00
GR	40.58					
CNLSC	37.48		CNT-M&W (207-MW)	5.50	3.50	100.00
CNSSC	36.73					
			CDL-M&W (90-1031)	8.50	4.00	250.00
LSD	28.43					
DCAL	28.42					
SSD	27.93					
			ML-PSIML (PSI-01) GO Micro log tools converted to Simplec electronics	7.58	4.00	65.00
MCAL	19.83					
MI	19.83					
MN	19.83					
RLL3F	15.80					
RLL3	15.80					

CILD	8.00	DIL-M&W (PSI 91)	18.50	3.50	220.00
CILM	4.70				
SP	0.20				

Dataset: meridian_parsons_1.db: field/well/STKML/pass3.3
Total length: 43.08 ft
Total weight: 685.00 lb
O.D.: 4.00 in

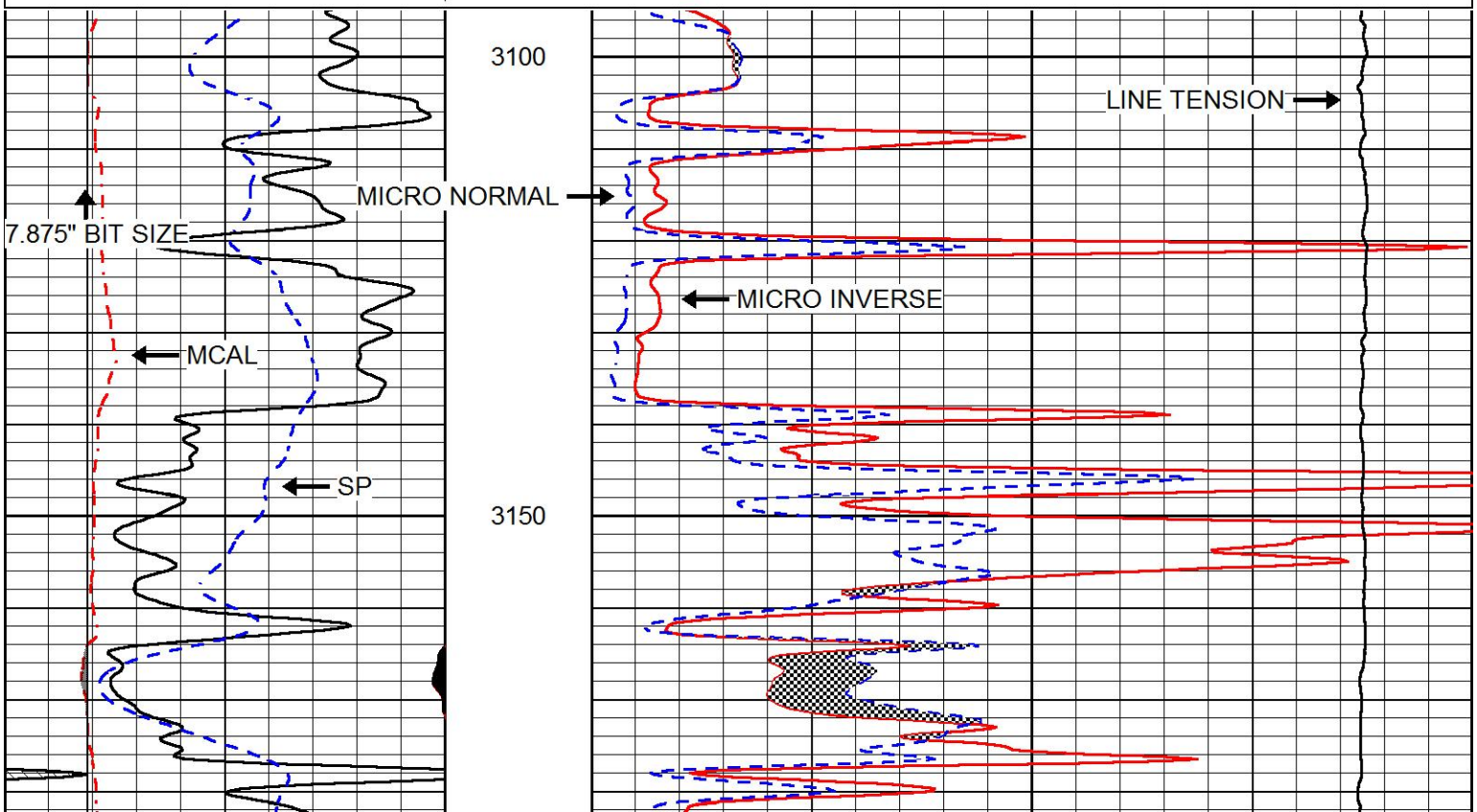
PIONEER
Pioneer Energy Services

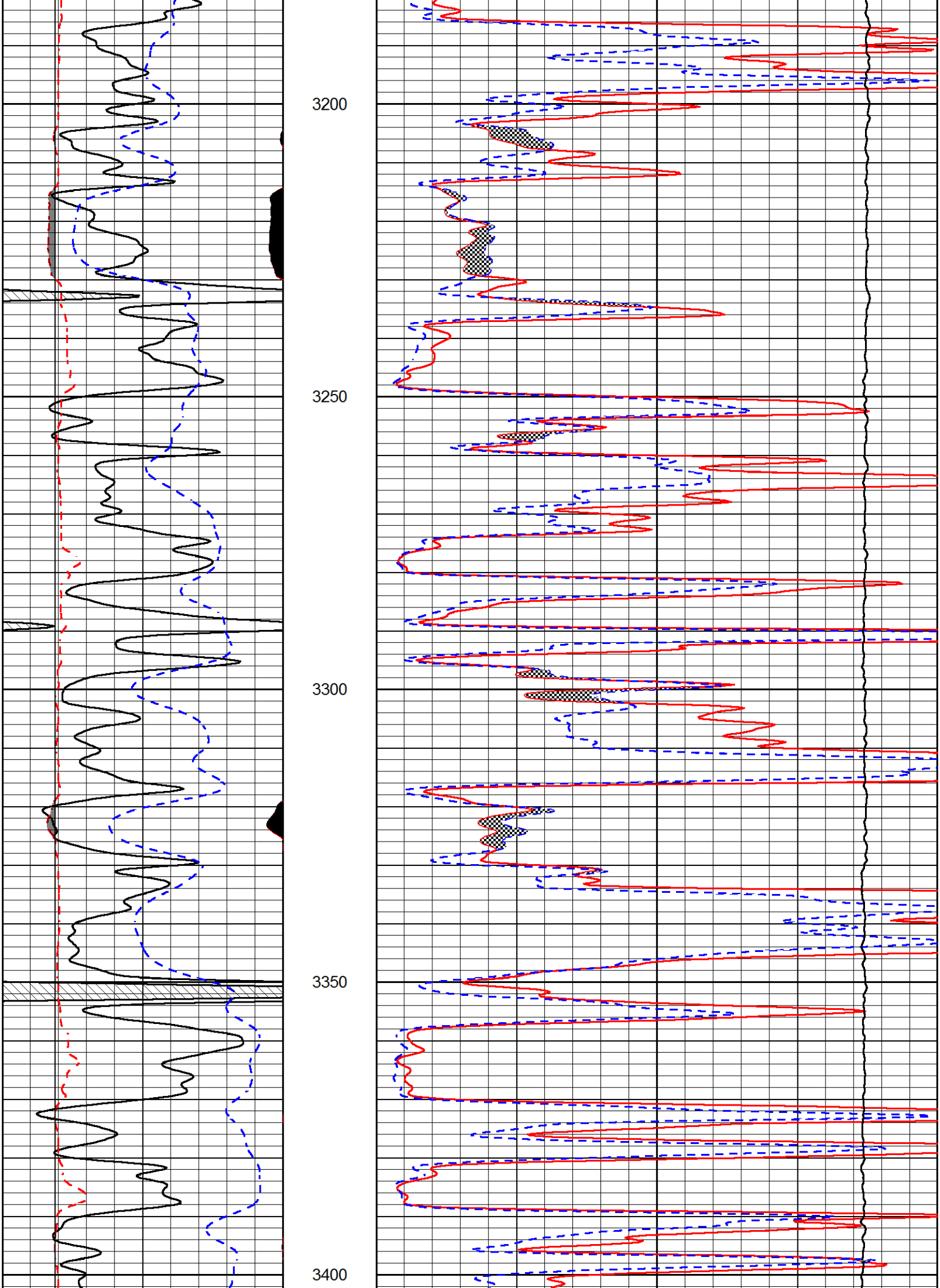
MAIN PASS

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass3.1
Presentation Format	micro
Dataset Creation	Mon May 01 20:12:02 2017
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	mcal (in)	7.875
6	Bit Size (in)	16
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

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3350
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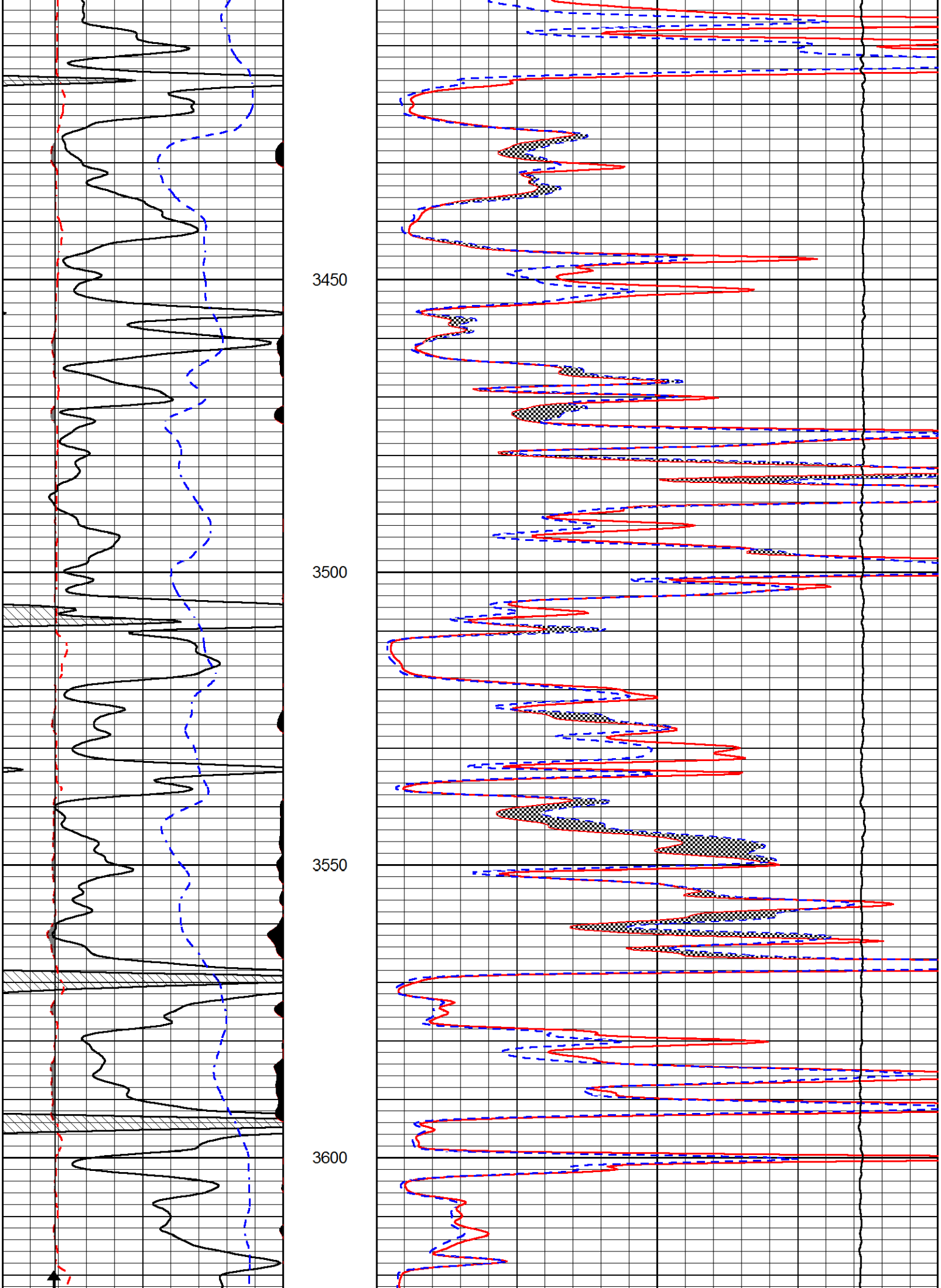
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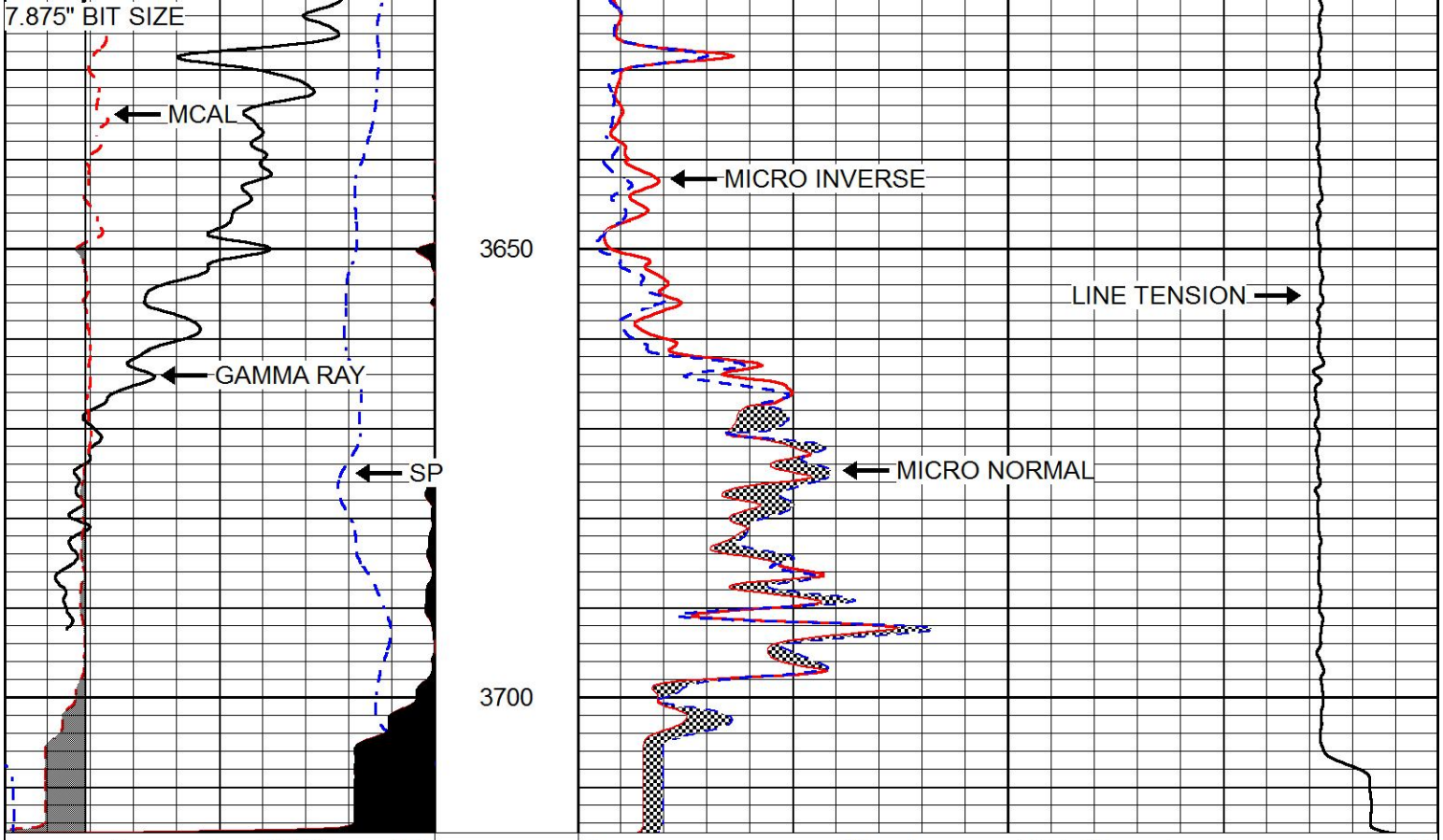


0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	mcal (in)	7.875
6	Bit Size (in)	16
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

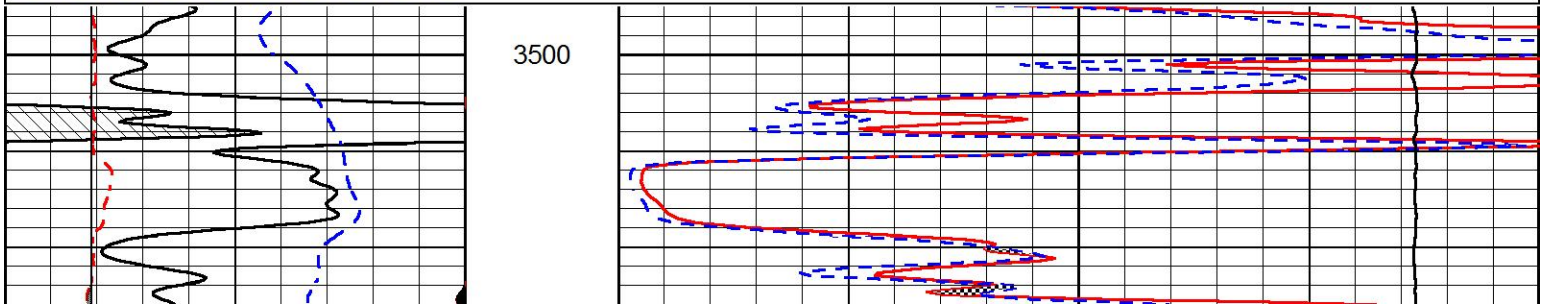
PIONEER
Pioneer Energy Services

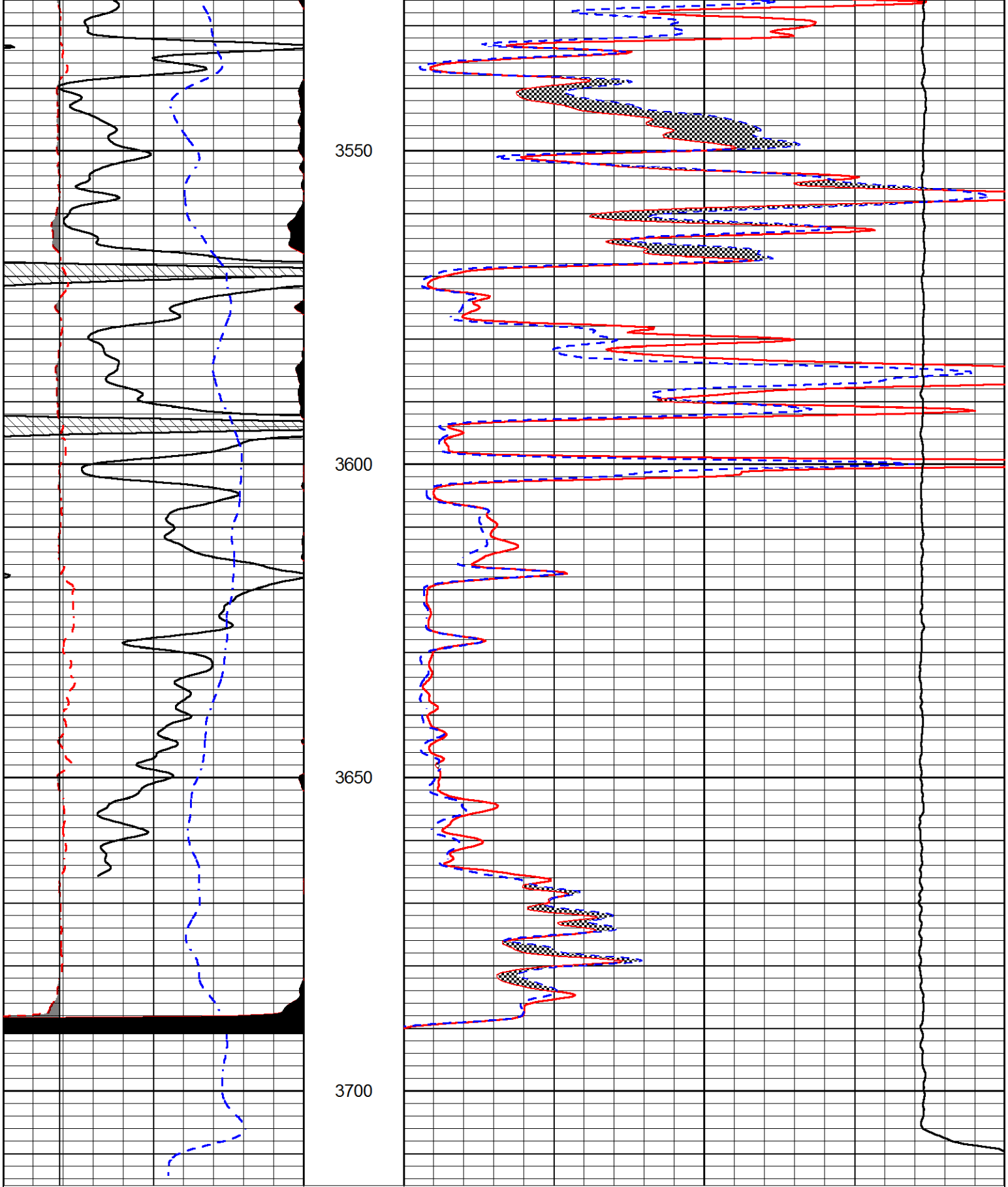
REPEAT SECTION

Database File	meridian_parsons_1.db
Dataset Pathname	STKML/pass2.2
Presentation Format	micro
Dataset Creation	Mon May 01 19:14:18 2017
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	mcal (in)	7.875
6	Bit Size (in)	16
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0





0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	mcal (in)	7.875
6	Bit Size (in)	16
-200	SP (mV)	0

0	Micro Inverese 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

Calibration Report

Database File meridian_parsons_1.db
Dataset Pathname STKML/pass3.3
Dataset Creation Mon May 01 19:45:21 2017

Dual Induction Calibration Report

Serial-Model: PSI 91-M&W
Calibration Performed: Thu Apr 20 22:50:10 2017

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		Gain	Offset
Deep	166.796	835.089	0.000	255.800	mmho/m	0.410	-30.000
Medium	142.009	1348.560	0.000	255.800	mmho/m	0.360	-31.000

Microlog Calibration Report

Serial-Model: PSI-01-PSIML
Performed: Fri Apr 28 11:03:55 2017

	Readings		References			Results	
	Zero	Cal	Zero	Cal		m	b
Normal	0.0000	1.0000	0.0000	1.0000	Ohm-m	20000.0000	-0.8000
Inverse	0.0000	1.0000	0.0000	1.0000	Ohm-m	19000.0000	-0.2000
Caliper	1.0001	1.1397	6.5000	18.5000	in	70.0000	-65.5250

Compensated Density Calibration Report

Serial-Model: 90-1031-M&W
Source / Verifier: 16955B / 2ci
Master Calibration Performed: Fri Mar 31 18:42:23 2017

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	5174.18	6425.27	cps
Aluminum	2.665	g/cc	963.17	4037.42	cps

Spine Angle = 74.55

Density/Spine Ratio = 0.522

	Size		Reading
Small Ring	8.00	in	1.84
Large Ring	22.00	in	1.46

Compensated Neutron Calibration Report

Serial Number: 207-MW
Tool Model: M&W
Calibration Performed: Fri Mar 31 10:30:30 2017

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:	89	
Tool Model:	M&W	
Calibration Performed:	Fri Mar 31 18:42:32 2017	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps

PIONEER
Pioneer Energy Services

Company	MERIDIAN ENERGY, INC.
Well	PARSONS #1
Field	WILDCAT
County	ROOKS
State	KANSAS

GLOBAL OIL FIELD SERVICES, LLC

2926

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: R..., KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
11-26-17	2	14	19E			6:30 PM	
LEASE Parsons	WELL # 1		LOCATION			COUNTY Rooks	STATE KS
OLD OR (NEW) (CIRCLE ONE)							

CONTRACTOR Royal Drilling Rig #1
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 229'
CASING SIZE 8⅝ DEPTH 210.90 + 10 = 5
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 20'
PERFS
DISPLACEMENT 12½ BBL

EQUIPMENT

PUMP TRUCK CEMENTER Brad
417 HELPER Jason
BULK TRUCK
378 DRIVER Kris
BULK TRUCK
DRIVER

OWNER

CEMENT
AMOUNT ORDERED 150 SX ~~Com~~ 60/40 3% CC 2% Gel

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE			
		TOTAL	

REMARKS:

Ran 5 jts 8⅝ casing, circulate mud, rig up cement, mix 150 sx, wash up + displace w/ 12.5 BBL H2O, shut in @ 200 PSI, cement did circulate

SERVICE

DEPTH OF JOB
PUMP TRUCK CHARGE
EXTRA FOOTAGE @
MILEAGE @
MANIFOLD @
@
@
TOTAL

CHARGE TO: Meridian Energy
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

@
@
@
@
@
TOTAL

Global Oil Field Services, LLC
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Doug Rudd
SIGNATURE Doug Rudd

GLOBAL OIL FIELD SERVICES, LLC

2929

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE 5-1-17	SEC. 25	TWP. 9S	RANGE 19W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 4AM
LEASE Peters	WELL # 1		LOCATION [illegible]			COUNTY Rooks	STATE KS
OLD OR (NEW) (CIRCLE ONE)							

CONTRACTOR Royal Drilling Rig #1
TYPE OF JOB Dry Hole Plug
HOLE SIZE 7 7/8 T.D. 3632'
CASING SIZE 8 5/8 DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 3610
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS
DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER Brad
409 HELPER Cody
BULK TRUCK
231 DRIVER Tom
BULK TRUCK
DRIVER

OWNER

CEMENT
AMOUNT ORDERED 305 SX 60/40 Poz 4% Gel 1/4 FLO

COMMON		@	
POZMIX		@	
GEL		@	
CHLORIDE		@	
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING		@	
MILEAGE			
		TOTAL	

REMARKS:

1st - Perf - 50 SX
2nd - 1585' - 50 SX
3rd - 445' - 100 SX
4th - 270' - 50 SX
5th - 40' - 10 SX
Rat - 30 SX
Mouse - 15 SX

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			
EXTRA FOOTAGE		@	
MILEAGE		@	
MANIFOLD		@	
		@	
		@	
		TOTAL	

CHARGE TO: Meridian Energy
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Wooden Plug		@	
		@	
		@	
		@	
		@	
		TOTAL	

Global Oil Field Services, LLC
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PRINTED NAME Doug Budig
SIGNATURE Doug Budig

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS