

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	StrataKan Exploration, LLC
Well Name	JANICE 8-1
Doc ID	1328805

All Electric Logs Run

CNL/CDL
DIL
MEL
Sonic

Form	ACO1 - Well Completion
Operator	StrataKan Exploration, LLC
Well Name	JANICE 8-1
Doc ID	1328805

Tops

Name	Top	Datum
Stone Corral	2616	+526
Topeka	3806	-664
Heebner	4023	-881
Lansing	4064	-922
BKC	4385	-1243
Marmaton	4430	-1288
Cherokee Shale	4584	-1442
Johnson Zone	4627	-1485
Mississippian	4698	-1566

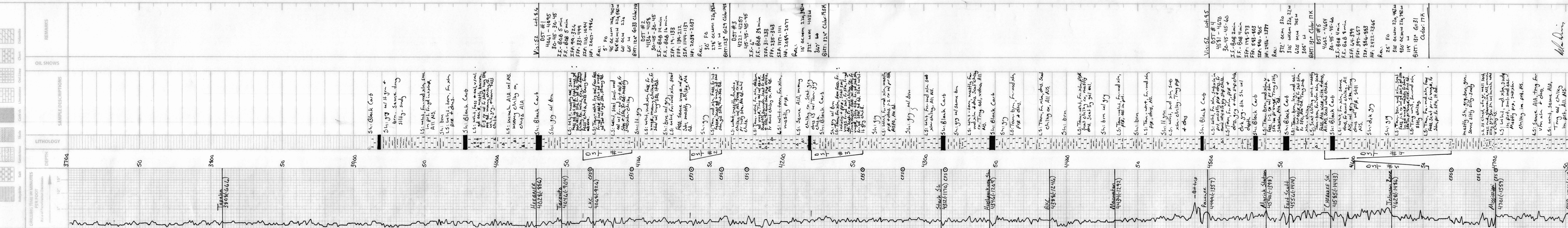
Marc A. Downing		Geologic Report	
Consulting Petroleum Geologist		Drilling Time and Sample Log	
Operator StrataKan Exploration, LLC		Elevation KB 3142 DF 3140 GL 3137	
Lease Janice No. 8-1		API # 15-109-21483-0000	
Field Wildcat		Production 8 5/8" @ 220" None	
Location 330' FSL & 2084' FEL		Electrical Surveys CNL/CDL, DIL, MEL, Sonic	
County Logan State Kansas		Datum +526 +504	
Formation		Struct Comp	
Top Anhydrite	2619	2616	+13
Base Anhydrite	2640	2638	+12
Topoka	3808	3806	-664
Heebner	4028	4023	-881
LKC	4068	4064	-922
Stark Sh	4312	4309	-1167
BKC	4388	4385	-1243
Marmaton	4434	4430	-1288
Pawnee	4499	4496	-1354
Fort Scott	4556	4555	-1413
Cherokee Sh	4585	4584	-1442
Johnson Zone	4628	4627	-1485
Mississippi	4701	4698	-1556
Total Depth	4755	4754	-1612
Reference Well For Structural Comparison Wilton #1		Berexco, Inc. NW-SW-SE Sec. 8-12s-33w	

Drilling Contractor		WW Drilling, Rig #2	
Commenced	10-19-16	Completed	10-27-16
Samples Saved From	3900	To	RTD
Drilling Time Kept From	3700	To	RTD
Samples Examined From	3900	To	RTD
Geological Supervision From	3900	To	RTD

Summary and Recommendations

Due to structural position, DST recovery, and log evaluation, it was decided to plug and abandon the well.

Respectfully Submitted,
Marc A. Downing



QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 3028

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-28-16	8	12	33	Logan	Ks		5:15 AM

Lease Janice Well No. 8-1 Location Monument - 1E, 6S, 1/4 W, N/4

Contractor WW 2 Owner To Quality Oilwell Cementing, Inc.
 Type Job Plug You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 7 7/8" T.D. 4755' Charge To Strataken Exploration

Csg. Depth 2630' Street _____
 Tbg. Size 4 1/2" D.P. Depth _____ City _____ State _____

Tool Depth _____ The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint _____ Cement Amount Ordered 255 60/40 4% Gel 1/4#

Meas Line Displace H2O/mud Flo-seal

EQUIPMENT				Common
Pumptrk	20 No.	Cementer	<u>Rick</u>	<u>153</u>
		Helper		
Bulktrk	19 No.	Driver	<u>Doug</u>	<u>102</u>
		Driver		
Bulktrk	No.	Driver		<u>9</u>
		Driver		
				Calcium

JOB SERVICES & REMARKS Hulls _____

Remarks: 2630' - 50 SX Salt _____

Rat Hole _____ Flowseal 60#

Mouse Hole 1590' - 100 SX Kol-Seal _____

Centralizers _____ Mud CLR 48 _____

Baskets 280' - 50 SX CFL-117 or CD110 CAF 38 _____

D/V or Port Collar _____ Sand _____

40' - 10 SX Handling 264 Mileage _____

Rathole w/ 30 SX **FLOAT EQUIPMENT**

Mousehole w/ 15 SX Guide Shoe _____

Cement did circulate Centralizer _____

Baskets 8 3/8 plug AFU Inserts _____

Float Shoe _____

Latch Down _____

Pumptrk Charge plug

Mileage 14

X Signature _____ Tax _____ Discount _____ Total Charge _____

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. **3053**

Cell 785-324-1041

Date	10-19-16	Sec.	8	Twp.	12	Range	33	County	Logan	State	KS	On Location		Finish	6:45 PM
								Location	monument 1E 3600 6S 12W Vinto						

Lease	Janice		Well No.	8-1		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.									
Contractor	WW #2						Charge To	Stratakan								
Type Job	Surface						Street									
Hole Size	12 1/4		T.D.	229		City	State									
Csg.	8 5/8		Depth	228		The above was done to satisfaction and supervision of owner agent or contractor.										
Tbg. Size			Depth			Cement Amount Ordered	150 80/20 3/4 2-65									
Tool			Depth													
Cement Left in Csg.	15		Shoe Joint													
Meas Line			Displace	13 1/2 BCL												

EQUIPMENT

Pumptrk	20	No.	Cementor	Mig		Common	120	
			Helper	Nick		Poz. Mix	30	
Bulktrk		No.	Driver			Gel.	3	
Bulktrk	15	No.	Driver	Doug		Calcium	6	

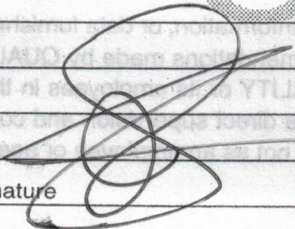
JOB SERVICES & REMARKS

Remarks:	Salt	
Rat Hole	Flowseal	
Mouse Hole	Kol-Seal	
Centralizers	Mud CLR 48	
Baskets	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Sand	
	Handling 159	
	Milage	

8 5/8 on bottom. Est Circulation.
 Mix 150 SK + Dispac
 Cement Circulate.

FLOAT EQUIPMENT

Guide Shoe		
Centralizer		
Baskets		
AFU Inserts		
Float Shoe		
Latch Down		
Pumptrk Charge	Surface	
Milage	14	

X Signature 

Tax
 Discount
 Total Charge





DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St.
Plainville KS 67663

ATTN: Marc Downing

Janice #8-1

6-12s-33w Logan,KS

Start Date: 2016.10.23 @ 03:11:15

End Date: 2016.10.23 @ 09:47:00

Job Ticket #: 65625 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.28 @ 10:18:39



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65625

DST#: 1

ATTN: Marc Downing

Test Start: 2016.10.23 @ 03:11:15

GENERAL INFORMATION:

Formation: **LKC A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:27:30

Time Test Ended: 09:47:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Mike Roberts

Unit No: 81

Interval: 4061.00 ft (KB) To 4095.00 ft (KB) (TVD)

Reference Elevations: 3142.00 ft (KB)

Total Depth: 4065.00 ft (KB) (TVD)

3137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 499.55 psig @ 4062.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.23

End Date:

2016.10.23

Last Calib.:

2016.10.23

Start Time: 03:11:15

End Time:

09:47:00

Time On Btm:

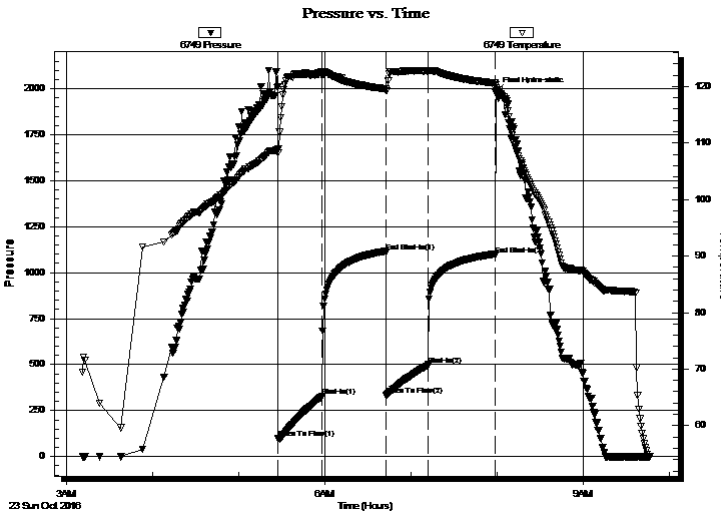
2016.10.23 @ 05:27:15

Time Off Btm:

2016.10.23 @ 07:59:30

TEST COMMENT: IF:BOB in 5 min.
IS:No return blow
FF:BOB in 5 min.
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.99	108.83	Initial Hydro-static
1	99.65	108.29	Open To Flow (1)
31	326.73	122.48	Shut-In(1)
76	1110.57	119.55	End Shut-In(1)
76	331.92	119.22	Open To Flow (2)
105	499.55	122.74	Shut-In(2)
152	1094.23	120.58	End Shut-In(2)
153	1986.44	119.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	sw 100%sw	0.30
60.00	ocw 2%o 98%sw	0.30
868.00	ocmw 2% o 40%m 58%w	12.18
40.00	ocw m 10%o 40%w 50%m	0.56
5.00	free oil 100%o	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65625

DST#: 1

ATTN: Marc Downing

Test Start: 2016.10.23 @ 03:11:15

Tool Information

Drill Pipe:	Length: 3930.00 ft	Diameter: 3.80 inches	Volume: 55.13 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 55.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4061.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4034.00	
Shut In Tool	5.00			4039.00	
Hydraulic tool	5.00			4044.00	
Jars	5.00			4049.00	
Safety Joint	3.00			4052.00	
Packer	5.00			4057.00	28.00 Bottom Of Top Packer
Packer	4.00			4061.00	
Stubb	1.00			4062.00	
Recorder	0.00	8672	Inside	4062.00	
Recorder	0.00	6749	Outside	4062.00	
Perforations	28.00			4090.00	
Bullnose	5.00			4095.00	34.00 Bottom Packers & Anchor

Total Tool Length: 62.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65625

DST#: 1

ATTN: Marc Downing

Test Start: 2016.10.23 @ 03:11:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

14000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.13 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	sw 100%sw	0.295
60.00	ocw 2%o 98%sw	0.304
868.00	ocmw 2% o 40%m 58%w	12.176
40.00	ocw m 10%o 40%w 50%m	0.561
5.00	free oil 100%o	0.070

Total Length: 1033.00 ft Total Volume: 13.406 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

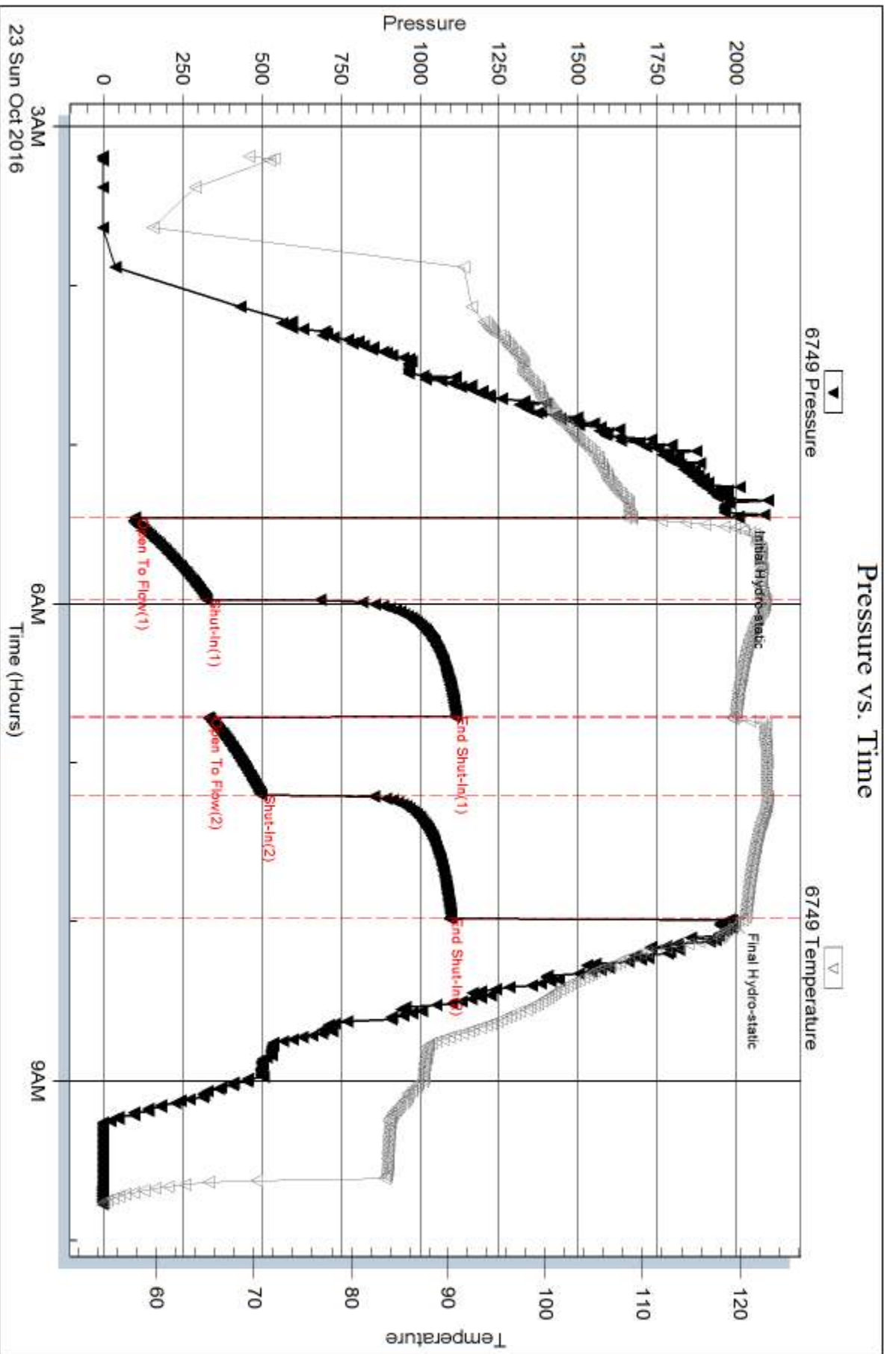
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .692@54.4=14,000 ppm

API 33 @ 60 corrected to 33



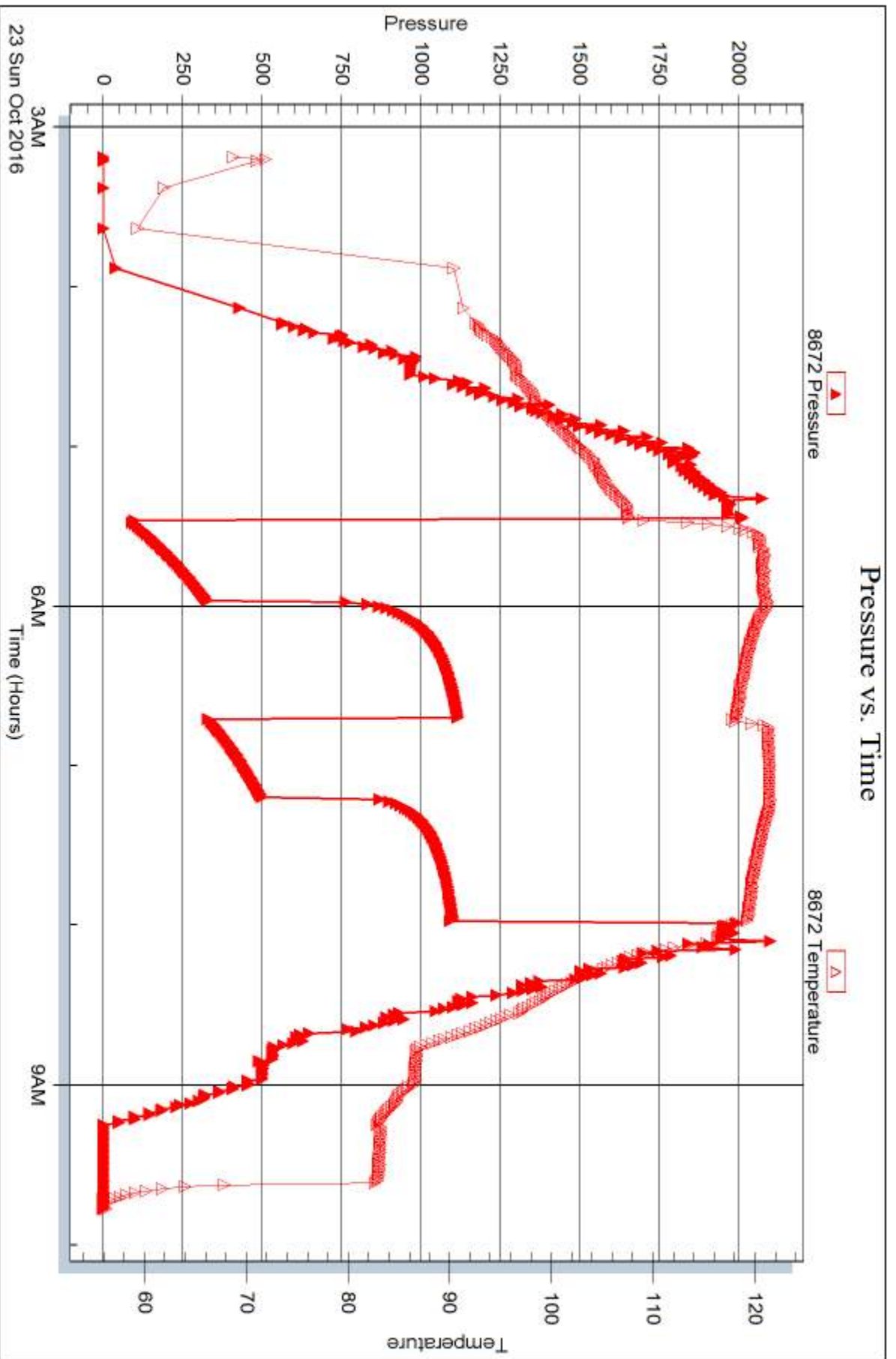
Serial #: 8672

Inside

StrataKan Exploration LLC

Janice #8-1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65625

Printed: 2016.10.28 @ 10:18:41



DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St.
Plainville KS 67663

ATTN: Marc Downing

Janice #8-1

6-12s-33w Logan,KS

Start Date: 2016.10.23 @ 18:48:15

End Date: 2016.10.24 @ 00:52:15

Job Ticket #: 65576 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.28 @ 10:18:18



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65576

DST#: 2

ATTN: Marc Downing

Test Start: 2016.10.23 @ 18:48:15

GENERAL INFORMATION:

Formation: **LKC E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 20:26:45
 Time Test Ended: 00:52:15
 Interval: **4136.00 ft (KB) To 4158.00 ft (KB) (TVD)**
 Total Depth: 4158.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 81
 Reference Elevations: 3142.00 ft (KB)
 3137.00 ft (CF)
 KB to GR/CF: 5.00 ft

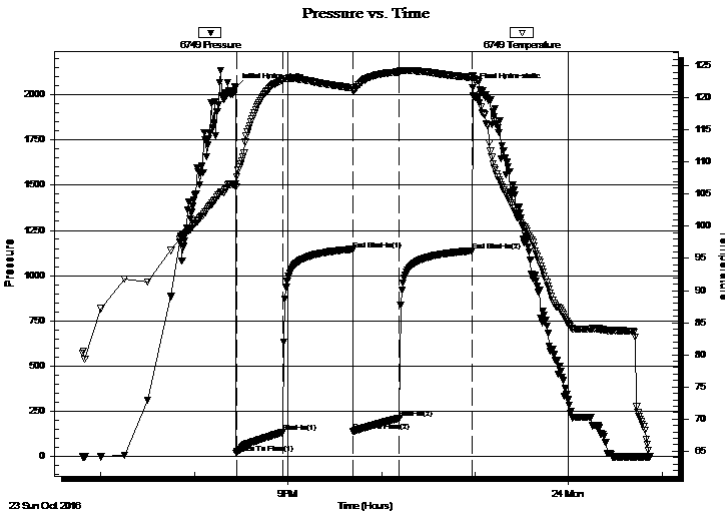
Serial #: 6749

Outside

Press@RunDepth: 212.82 psig @ 4153.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.10.23 End Date: 2016.10.24 Last Calib.: 2016.10.24
 Start Time: 18:48:15 End Time: 00:52:15 Time On Btm: 2016.10.23 @ 20:26:30
 Time Off Btm: 2016.10.23 @ 22:58:30

TEST COMMENT: IF:BOB in 14 min.
 IS:No return blow
 FF:BOB in 16 min.
 FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.63	106.62	Initial Hydro-static
1	19.81	106.11	Open To Flow (1)
31	133.98	122.73	Shut-In(1)
75	1144.26	121.53	End Shut-In(1)
76	139.73	121.12	Open To Flow (2)
105	212.82	124.03	Shut-In(2)
152	1137.39	123.15	End Shut-In(2)
152	2037.89	123.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	sw 100% sw (collars)	0.59
278.00	ocw m 2%o 38%w 60%m	3.90
30.00	free oil 100% oil	0.42

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65576

DST#: 2

ATTN: Marc Downing

Test Start: 2016.10.23 @ 18:48:15

Tool Information

Drill Pipe:	Length: 4032.00 ft	Diameter: 3.80 inches	Volume: 56.56 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 57.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4136.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4117.00	
Shut In Tool	5.00			4122.00	
Hydraulic tool	5.00			4127.00	
Packer	5.00			4132.00	20.00 Bottom Of Top Packer
Packer	4.00			4136.00	
Stubb	1.00			4137.00	
Perforations	16.00			4153.00	
Recorder	0.00	8672	Inside	4153.00	
Recorder	0.00	6749	Outside	4153.00	
Bullnose	5.00			4158.00	22.00 Bottom Packers & Anchor
Total Tool Length:	42.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65576

DST#: 2

ATTN: Marc Downing

Test Start: 2016.10.23 @ 18:48:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

29 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

14500 ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	sw 100% sw (collars)	0.585
278.00	ocw m 2%o 38%w 60%m	3.900
30.00	free oil 100% oil	0.421

Total Length: 427.00 ft Total Volume: 4.906 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

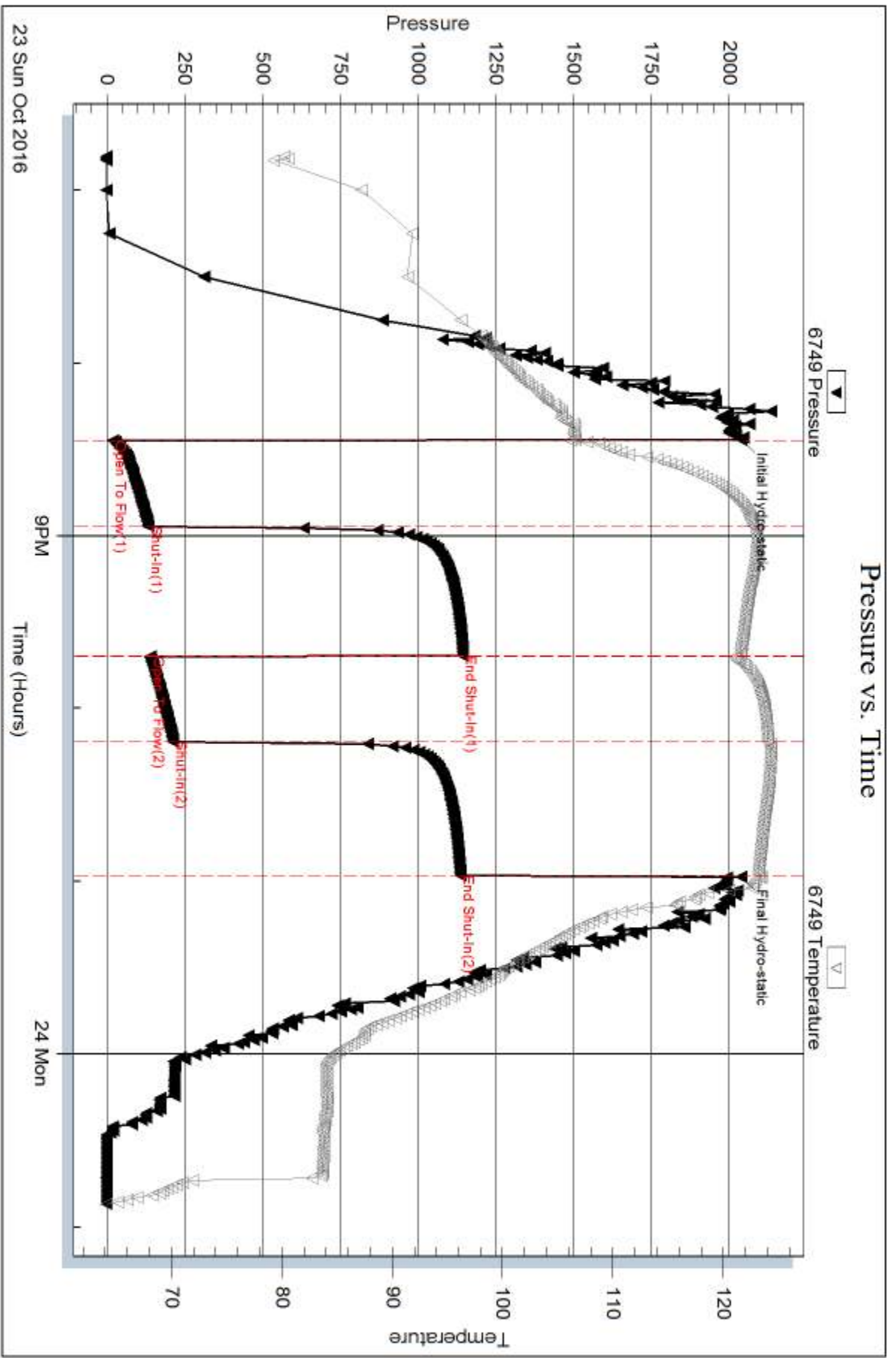
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 29 @ 60 corrected to 29

RW= .721@56.1 = 14,500 ppm



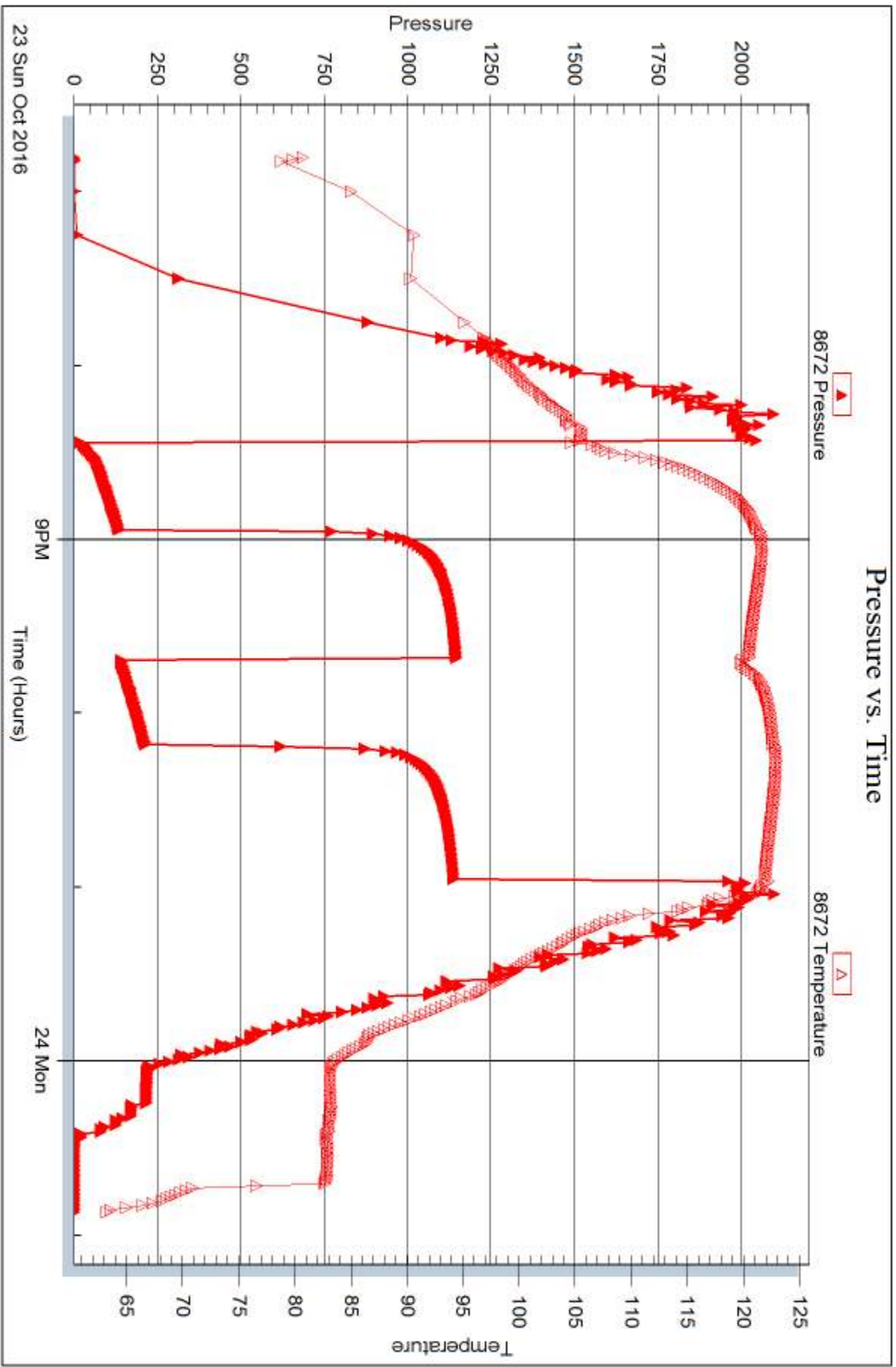
Serial #: 8672

Inside

StrataKan Exploration LLC

Janice #8-1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St.
Plainville KS 67663

ATTN: Marc Downing

Janice #8-1

6-12s-33w Logan,KS

Start Date: 2016.10.24 @ 13:51:15

End Date: 2016.10.24 @ 20:31:30

Job Ticket #: 65577 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.28 @ 10:17:56



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65577

DST#: 3

ATTN: Marc Downing

Test Start: 2016.10.24 @ 13:51:15

GENERAL INFORMATION:

Formation: **LKC H**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:36:45

Time Test Ended: 20:31:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4221.00 ft (KB) To 4257.00 ft (KB) (TVD)

Reference Elevations: 3142.00 ft (KB)

Total Depth: 4257.00 ft (KB) (TVD)

3137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 363.90 psig @ 4252.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.24

End Date:

2016.10.24

Last Calib.: 2016.10.24

Start Time: 13:51:15

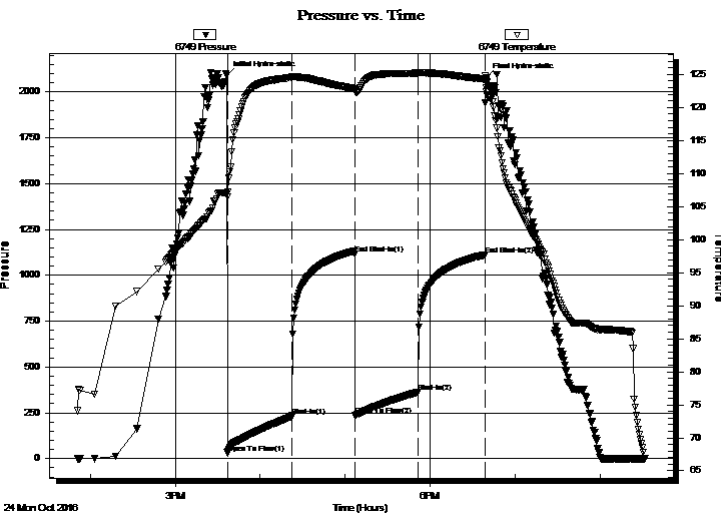
End Time:

20:31:30

Time On Btm: 2016.10.24 @ 15:36:30

Time Off Btm: 2016.10.24 @ 18:39:30

TEST COMMENT: IF: Built to 6" blow
IS: No return blow
FF: BOB in 38 min.
FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2089.84	106.94	Initial Hydro-static
1	31.09	106.53	Open To Flow (1)
46	233.06	124.56	Shut-In(1)
91	1117.89	122.83	End Shut-In(1)
91	235.41	122.46	Open To Flow (2)
135	363.90	125.18	Shut-In(2)
182	1111.30	124.28	End Shut-In(2)
183	2077.43	122.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
367.00	sw 100% sw	4.06
372.00	w cm 40%w 60%m	5.22
10.00	ocw m 2%o 38%w 60%m	0.14

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65577

DST#: 3

ATTN: Marc Downing

Test Start: 2016.10.24 @ 13:51:15

Tool Information

Drill Pipe:	Length: 4102.00 ft	Diameter: 3.80 inches	Volume: 57.54 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 58.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4221.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4202.00	
Shut In Tool	5.00			4207.00	
Hydraulic tool	5.00			4212.00	
Packer	5.00			4217.00	20.00 Bottom Of Top Packer
Packer	4.00			4221.00	
Stubb	1.00			4222.00	
Perforations	30.00			4252.00	
Recorder	0.00	8672	Inside	4252.00	
Recorder	0.00	6749	Outside	4252.00	
Bullnose	5.00			4257.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65577

DST#: 3

ATTN: Marc Downing

Test Start: 2016.10.24 @ 13:51:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

15000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.55 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
367.00	sw 100% sw	4.064
372.00	w cm 40%w 60%m	5.218
10.00	ocw m 2%o 38%w 60%m	0.140

Total Length: 749.00 ft Total Volume: 9.422 bbl

Num Fluid Samples: 0

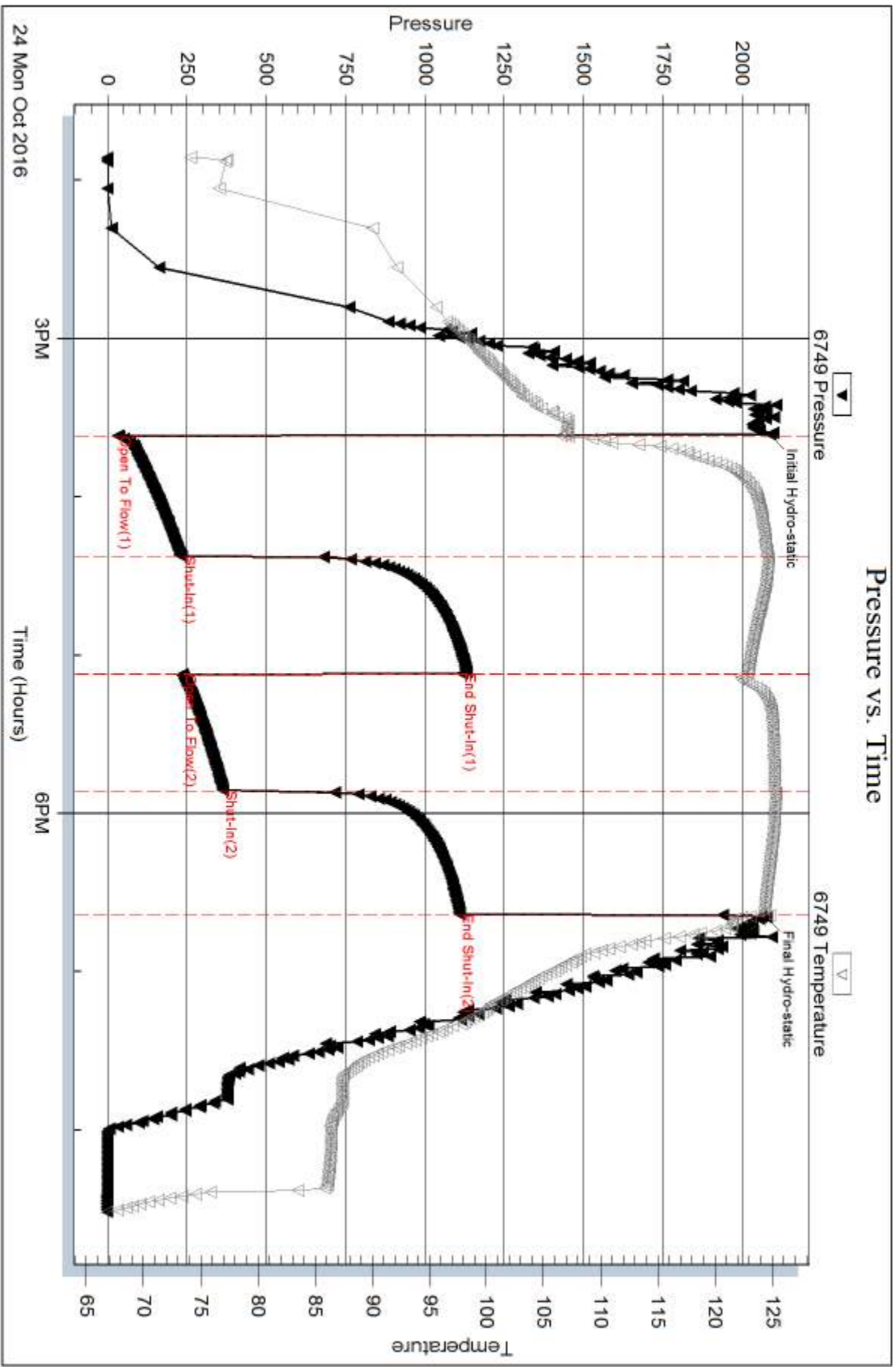
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .779@65.7=15000 ppm



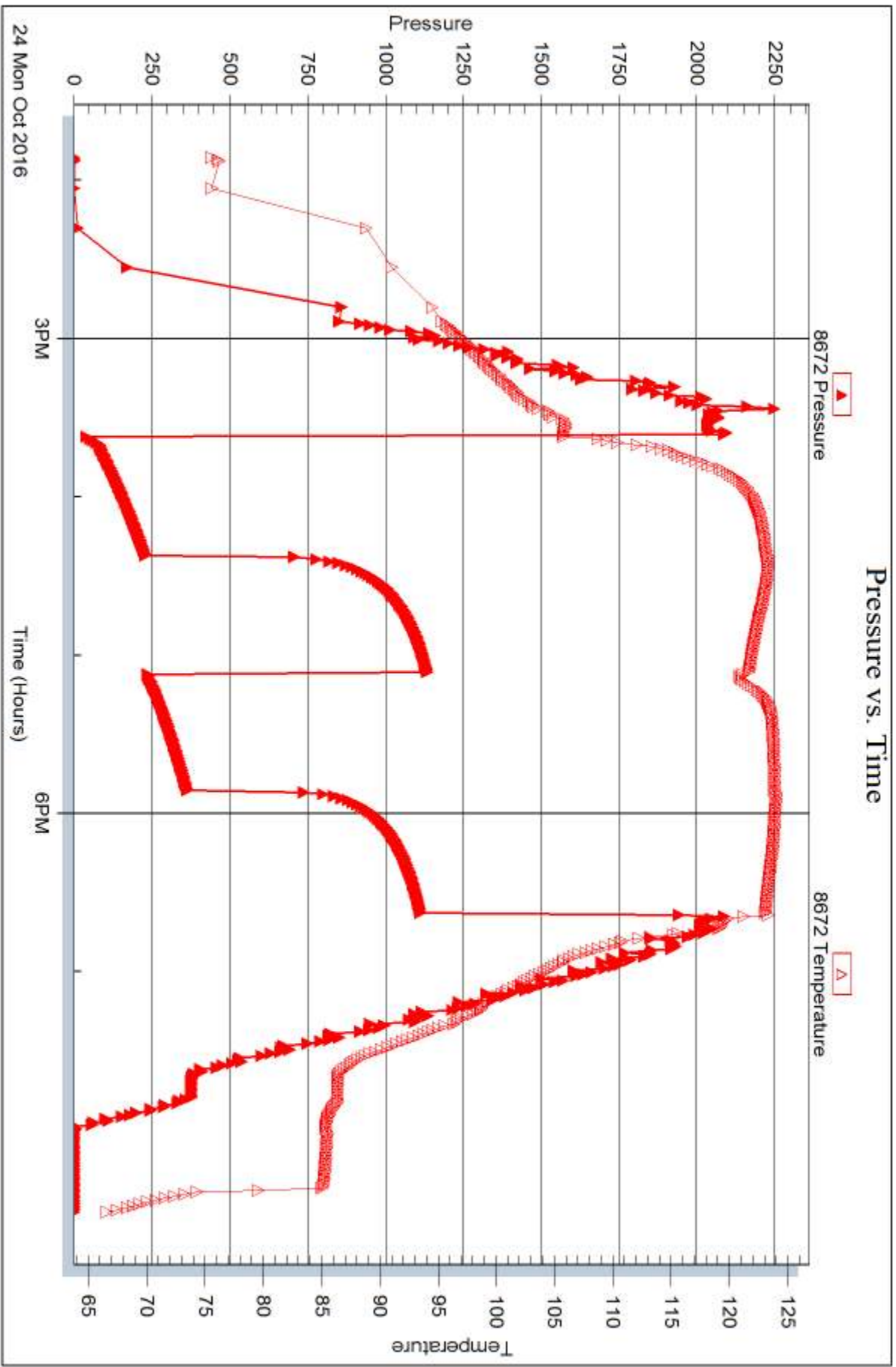
Serial #: 8672

Inside

StrataKan Exploration LLC

Janice #8-1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St.
Plainville KS 67663

ATTN: Marc Downing

Janice #8-1

6-12s-33w Logan,KS

Start Date: 2016.10.26 @ 07:26:15

End Date: 2016.10.26 @ 14:13:00

Job Ticket #: 65578 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.28 @ 10:17:29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65578

DST#: 4

ATTN: Marc Downing

Test Start: 2016.10.26 @ 07:26:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:13:30

Time Test Ended: 14:13:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4581.00 ft (KB) To 4670.00 ft (KB) (TVD)

Reference Elevations: 3142.00 ft (KB)

Total Depth: 4670.00 ft (KB) (TVD)

3137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 803.22 psig @ 4650.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.26

End Date:

2016.10.26

Last Calib.:

2016.10.26

Start Time: 07:26:15

End Time:

14:13:00

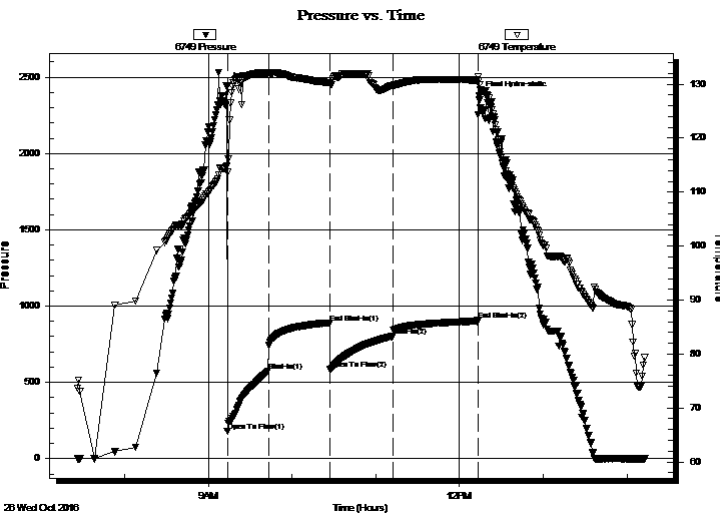
Time On Btm:

2016.10.26 @ 09:13:15

Time Off Btm:

2016.10.26 @ 12:14:00

TEST COMMENT: IF:BOB in 2 min.
IS:No return blow
FF:BOB in 4 min.
FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2436.21	114.77	Initial Hydro-static
1	178.74	113.68	Open To Flow (1)
30	573.58	132.12	Shut-In(1)
74	890.27	130.27	End Shut-In(1)
74	583.84	130.09	Open To Flow (2)
119	803.22	129.75	Shut-In(2)
180	905.48	130.77	End Shut-In(2)
181	2377.97	130.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
305.00	sw 100% sw	3.19
620.00	m cw 30% m 70% sw	8.70
310.00	w com 2% w 3% o 95% m	4.35
372.00	o cm 3% o 97% m	5.22

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65578

DST#: 4

ATTN: Marc Downing

Test Start: 2016.10.26 @ 07:26:15

Tool Information

Drill Pipe:	Length: 4444.00 ft	Diameter: 3.80 inches	Volume: 62.34 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.93 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4581.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4554.00	
Shut In Tool	5.00			4559.00	
Hydraulic tool	5.00			4564.00	
Jars	5.00			4569.00	
Safety Joint	3.00			4572.00	
Packer	5.00			4577.00	28.00 Bottom Of Top Packer
Packer	4.00			4581.00	
Stubb	1.00			4582.00	
Perforations	3.00			4585.00	
Change Over Sub	1.00			4586.00	
Drill Pipe	63.00			4649.00	
Change Over Sub	1.00			4650.00	
Recorder	0.00	8672	Inside	4650.00	
Recorder	0.00	6749	Outside	4650.00	
Perforations	15.00			4665.00	
Bullnose	5.00			4670.00	89.00 Bottom Packers & Anchor
Total Tool Length:	117.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65578

DST#: 4

ATTN: Marc Downing

Test Start: 2016.10.26 @ 07:26:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 11000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
305.00	sw 100% sw	3.194
620.00	mcw 30% m 70% sw	8.697
310.00	w com 2% w 3% o 95% m	4.348
372.00	ocm 3% o 97% m	5.218

Total Length: 1607.00 ft Total Volume: 21.457 bbf

Num Fluid Samples: 0

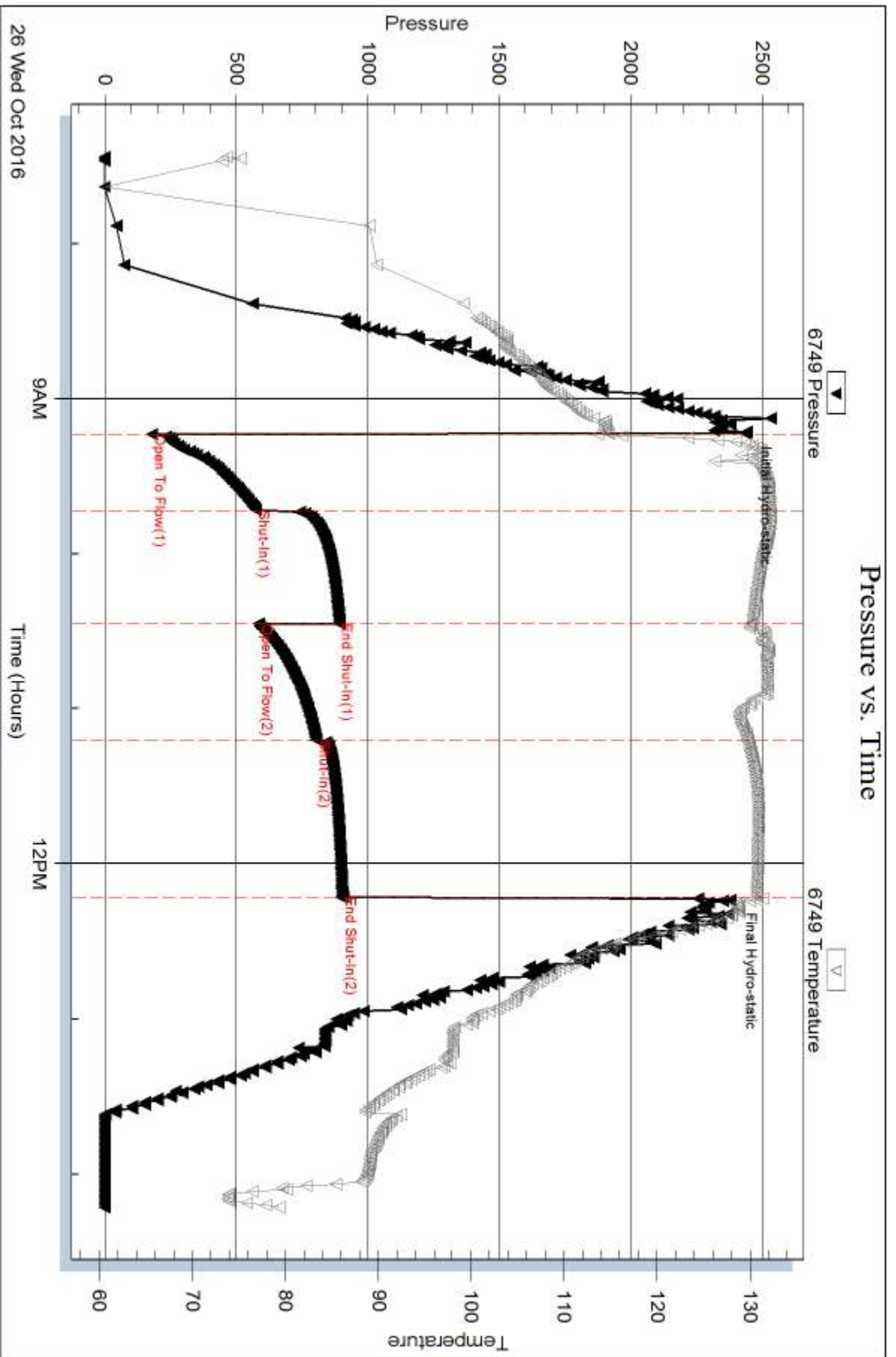
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.387 @ 82.6= 17,000 ppm



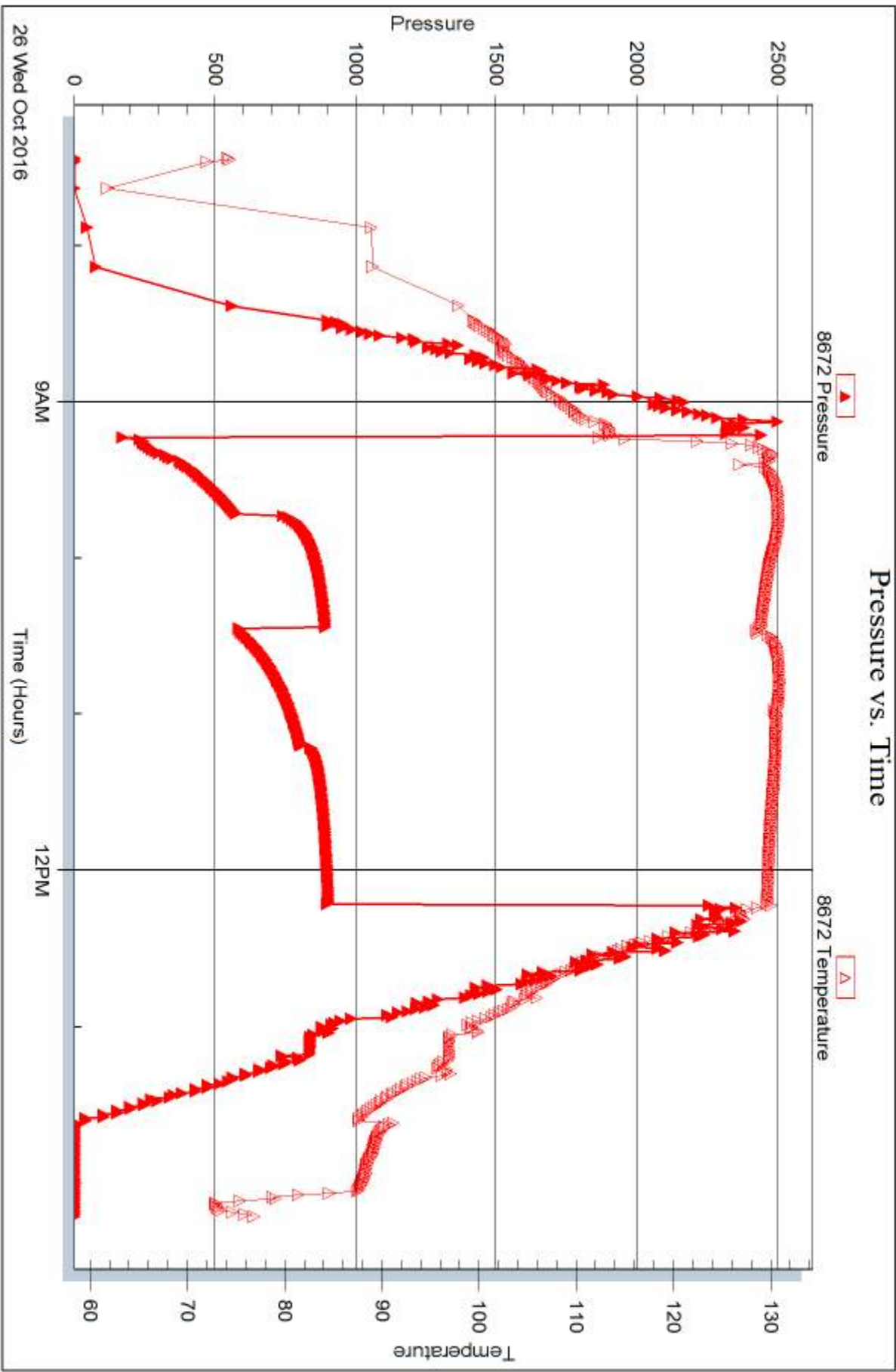
Serial #: 8672

Inside

StrataKan Exploration LLC

Janice #8-1

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 65578

Printed: 2016.10.28 @ 10:17:31



DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St.
Plainville KS 67663

ATTN: Marc Downing

Janice #8-1

6-12s-33w Logan,KS

Start Date: 2016.10.27 @ 13:52:15

End Date: 2016.10.27 @ 21:42:30

Job Ticket #: 65579 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.10.28 @ 10:16:37



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65579

DST#: 5

ATTN: Marc Downing

Test Start: 2016.10.27 @ 13:52:15

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:02:00

Time Test Ended: 21:42:30

Test Type: Conventional Straddle (Reset)

Tester: Mike Roberts

Unit No: 81

Interval: 4602.00 ft (KB) To 4654.00 ft (KB) (TVD)

Reference Elevations: 3142.00 ft (KB)

Total Depth: 4755.00 ft (KB) (TVD)

3137.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6749 Outside

Press@RunDepth: 657.18 psig @ 4646.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.27

End Date:

2016.10.27

Last Calib.:

2016.10.27

Start Time: 13:52:15

End Time:

21:42:30

Time On Btm:

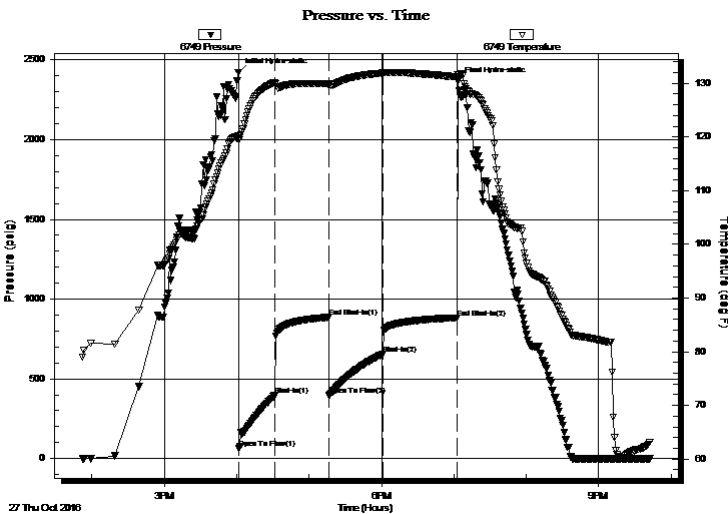
2016.10.27 @ 16:01:45

Time Off Btm:

2016.10.27 @ 19:03:15

TEST COMMENT: IF:BOB in 4 min.
IS:No return blow
FF:BOB in 8 min.
FS:No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2422.33	120.26	Initial Hydro-static
1	63.81	119.53	Open To Flow (1)
30	398.99	130.18	Shut-In(1)
75	886.37	129.88	End Shut-In(1)
75	396.54	129.67	Open To Flow (2)
120	657.18	131.92	Shut-In(2)
181	883.46	131.20	End Shut-In(2)
182	2364.73	131.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
119.00	sw 100% sw	0.59
930.00	ocmw 2%o 20%m 78%w	13.05
310.00	ocw m 2%o 48%w 50%m	4.35
25.00	free oil 100%o	0.35

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65579

DST#: 5

ATTN: Marc Downing

Test Start: 2016.10.27 @ 13:52:15

Tool Information

Drill Pipe:	Length: 4474.00 ft	Diameter: 3.80 inches	Volume: 62.76 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.35 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4602.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	4650.00 ft			
Interval between Packers:	48.00 ft			
Tool Length:	180.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Hydraulic tool	1.00			4575.00	
Drill Collar	5.00			4580.00	
Hydraulic tool	5.00			4585.00	
Jars	5.00			4590.00	
Safety Joint	3.00			4593.00	
Packer	5.00			4598.00	28.00 Bottom Of Top Packer
Packer	4.00			4602.00	
Stubb	1.00			4603.00	
Perforations	10.00			4613.00	
Change Over Sub	1.00			4614.00	
Drill Pipe	32.00			4646.00	
Recorder	0.00	8672	Inside	4646.00	
Recorder	0.00	6749	Outside	4646.00	
Change Over Sub	1.00			4647.00	
Perforations	2.00			4649.00	
Blank Off Sub	1.00			4650.00	48.00 Tool Interval
Packer	4.00			4654.00	
Stubb	1.00			4655.00	
Change Over Sub	1.00			4656.00	
Recorder	0.00	8673	Below	4656.00	
Perforations	29.00			4685.00	
Drill Pipe	63.00			4748.00	
Change Over Sub	1.00			4749.00	
Bullnose	5.00			4754.00	104.00 Bottom Packers & Anchor
Total Tool Length:	180.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

6-12s-33w Logan,KS

204 W Mill St.
Plainville KS 67663

Janice #8-1

Job Ticket: 65579

DST#: 5

ATTN: Marc Downing

Test Start: 2016.10.27 @ 13:52:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

17000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
119.00	sw 100% sw	0.585
930.00	ocmw 2%o 20%m 78%w	13.045
310.00	ocw m 2%o 48%w 50%m	4.348
25.00	free oil 100%o	0.351

Total Length: 1384.00 ft Total Volume: 18.329 bbl

Num Fluid Samples: 0

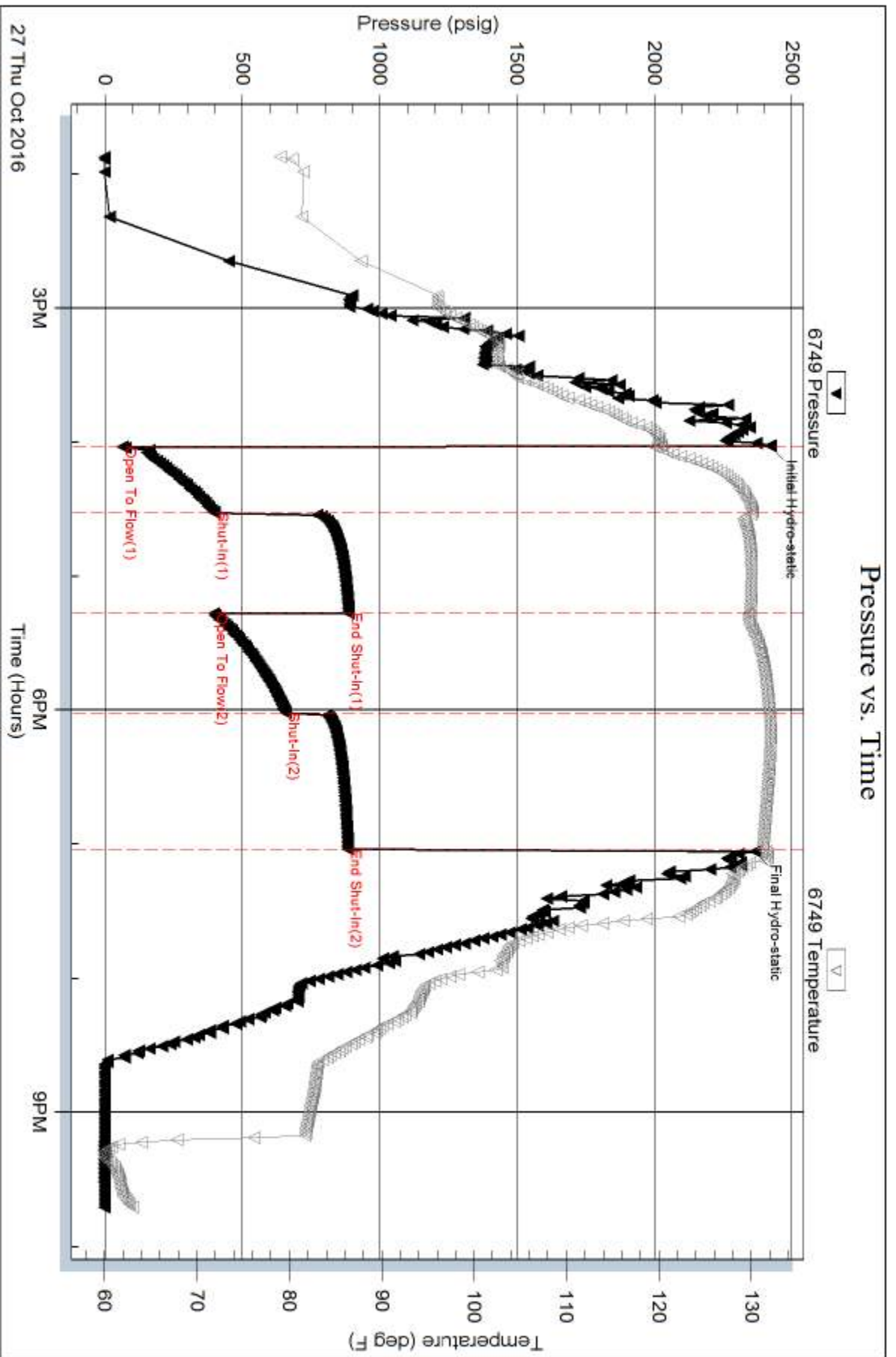
Num Gas Bombs: 0

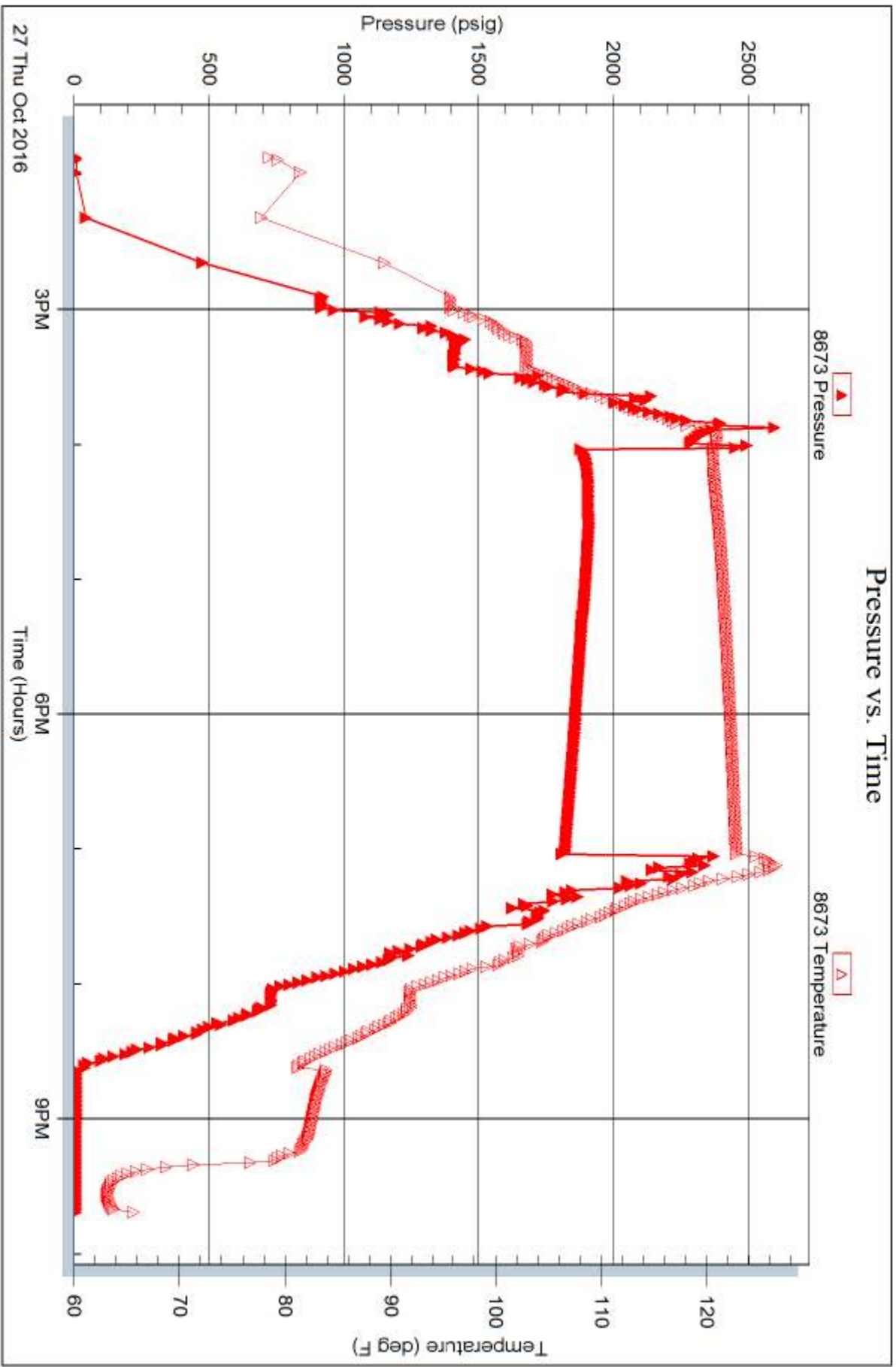
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 31 @ 60 corrected to 31
RW=.372@ 81.4=17,000 ppm





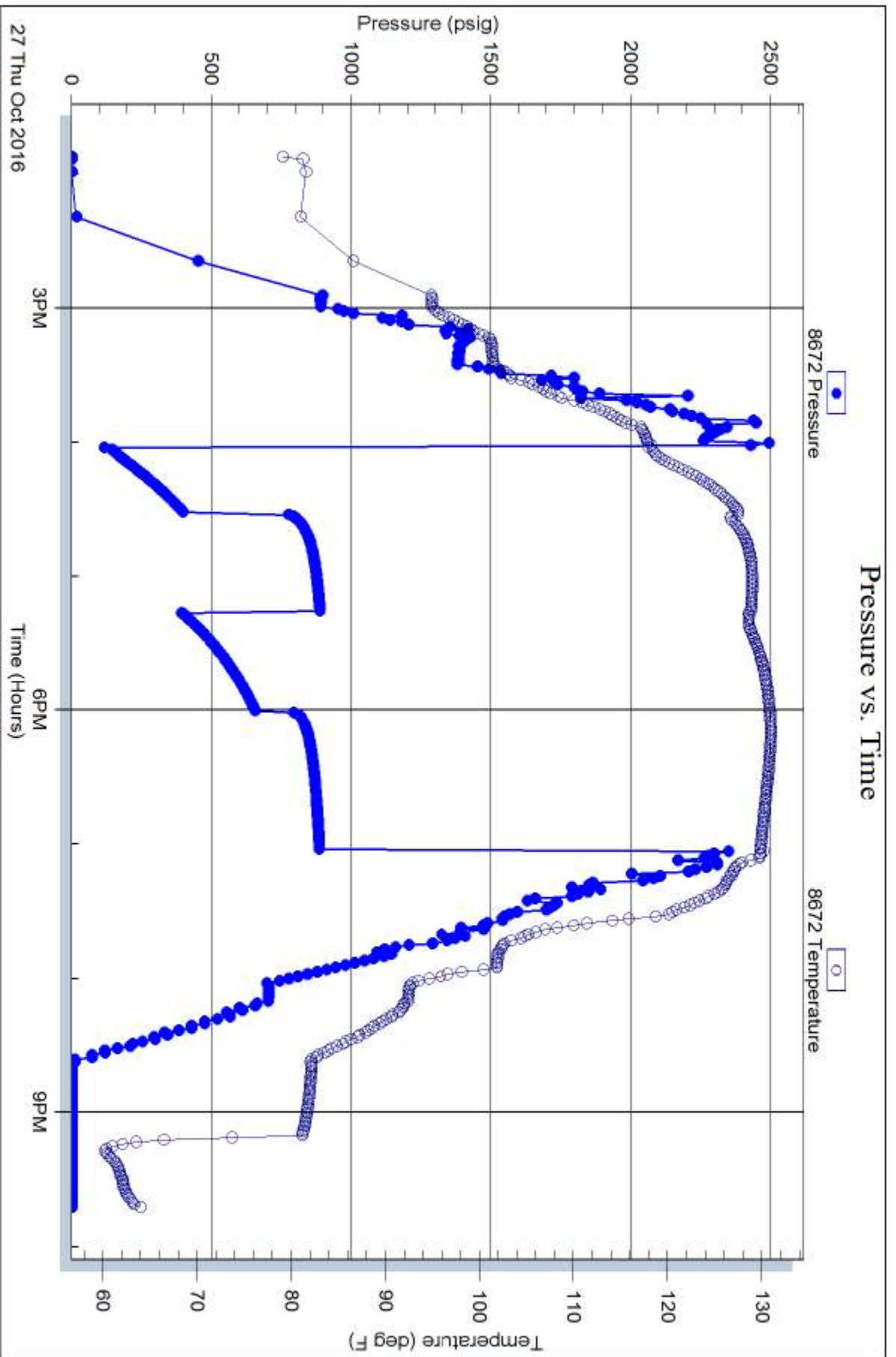
Serial #: 8672

Inside

StrataKan Exploration LLC

Janice #8-1

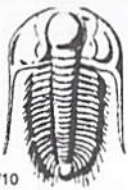
DST Test Number: 5



Triobite Testing, Inc

Ref. No: 65579

Printed: 2016.10.28 @ 10:16:39



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65625**

23

Well Name & No. Janice #8-1 Test No. 1 Date 10-~~10~~-16
 Company Stratakan Exploration LLC Elevation 3142 KB 3137 GL
 Address 204 W. Mill St. Plainville KS 67663
 Co. Rep / Geo. Marc Downing Rig WW2
 Location: Sec. 6 Twp. 12 Rge. 33 Co. Logan State KS

Interval Tested 4061-4095 Zone Tested A
 Anchor Length 34 Drill Pipe Run 3930 Mud Wt. 8.6
 Top Packer Depth 4056 Drill Collars Run 119 Vis 52
 Bottom Packer Depth 4061 Wt. Pipe Run Ø WL 7.2
 Total Depth 4095 Chlorides 2000 ppm System LCM 2
 Blow Description IF: BOB in 5 min.
IS: NO Return Blow
FF: BOB in 5 min
FS: NO Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
7 40	OCWM ↗	10	40	50	
7 5	Free Oil ↗	100			
868	OCMW	2	58	40	
60	OCW ↗ COLLARS	2	98		
60	SW ↗		100		

Rec Total 1033 BHT 120 Gravity 33 API RW 1.692 @ 54.4 °F Chlorides 14000 ppm

(A) Initial Hydrostatic <u>2007</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>01:30</u>
(B) First Initial Flow <u>99</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00/-</u>	T-Started <u>03:11</u>
(C) First Final Flow <u>326</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>05:27</u>
(D) Initial Shut-In <u>1110</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>07:57</u>
(E) Second Initial Flow <u>331</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>09:47</u>
(F) Second Final Flow <u>499</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT = \$75.00/-</u>	Comments
(G) Final Shut-In <u>1094</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1986</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>45</u>	<input type="checkbox"/> Day Standby	Total <u>1550</u>
	<input type="checkbox"/> Accessibility	MP/DST Disc't
	Sub Total <u>\$1550.00/-</u>	

Approved By _____ Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65576**

Well Name & No. Janice #8-1 Test No. 2 Date 10-~~20~~²³-16
 Company Stratakan Exploration LLC Elevation 3142 KB 3137 GL
 Address 204 W. Mill St. Plainville KS 67663
 Co. Rep / Geo. Marc Downing Rig WW 2
 Location: Sec. 6 Twp. 12 Rge. 33 Co. Logan State KS

Interval Tested 4136-4158 Zone Tested E
 Anchor Length 22 Drill Pipe Run 4032 Mud Wt. 9.3
 Top Packer Depth 4131 Drill Collars Run 119 Vis 65
 Bottom Packer Depth 4136 Wt. Pipe Run Ø WL 8.8
 Total Depth 4158 Chlorides 2000 ppm System LCM 2
 Blow Description IF: BOB in 14 Min
IS: No Return Blow
FF: BOB in 16 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Free oil</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>278</u>	<u>OCWM</u>	<u>2</u>	<u>38</u>	<u>60</u>	<u>0</u>
<u>119</u>	<u>SW</u>	<u>0</u>	<u>100</u>	<u>0</u>	<u>0</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Rec Total 427 BHT 123 Gravity 29 API RW 721 @ 56.1° F Chlorides 14500 ppm
 (A) Initial Hydrostatic 2038 Test \$1150.00/- T-On Location 18:20
 (B) First Initial Flow 19 Jars _____ T-Started 18:48
 (C) First Final Flow 133 Safety Joint _____ T-Open 20:27
 (D) Initial Shut-In 1144 Circ Sub NC T-Pulled 22:57
 (E) Second Initial Flow 139 Hourly Standby _____ T-Out 00:52
 (F) Second Final Flow 212 Mileage 100RT = \$75.00/- Comments _____
 (G) Final Shut-In 1137 Sampler _____
 (H) Final Hydrostatic 2037 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1225.00/-

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45
 Approved By _____ Our Representative Mike Roberts
 Sub Total 0 Total 1225 MP/DST Disc't _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65577**

Well Name & No. Janice #8-1 Test No. 3 Date 10-24-16
 Company Stratakan Exploration LLC Elevation 3142 KB 3137 GL
 Address 204 W. Mill St. Plainville KS 67663
 Co. Rep / Geo. Marc Downing Rig NW 2
 Location: Sec. 6 Twp. 12 Rge. 33 Co. Logan State KS

Interval Tested 4221-4257 Zone Tested H
 Anchor Length 36 Drill Pipe Run 4102 Mud Wt. 9.3
 Top Packer Depth 4216 Drill Collars Run 119 Vis 51
 Bottom Packer Depth 4221 Wt. Pipe Run Ø WL 7.6
 Total Depth 4257 Chlorides 4500 ppm System LCM 4
 Blow Description IF: Built to 6" Blow
IS: No Return Blow
FF: BOB in 38 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCwm</u>	<u>2</u>	<u>38</u>	<u>60</u>	
<u>372</u>	<u>WCM</u>		<u>40</u>	<u>60</u>	
<u>367</u>	<u>SW</u>		<u>100</u>		

Rec Total 749 BHT 124 Gravity — API RW 779 @ 65.7 °F Chlorides 19500 ppm
 (A) Initial Hydrostatic 2089 Test \$1150.00/- T-On Location 12:20
 (B) First Initial Flow 31 Jars T-Started 13:51
 (C) First Final Flow 233 Safety Joint T-Open 15:37
 (D) Initial Shut-In 1117 Circ Sub NC T-Pulled 18:37
 (E) Second Initial Flow 235 Hourly Standby T-Out 20:31
 (F) Second Final Flow 363 Mileage 100 RT = \$75.00/- Comments _____
 (G) Final Shut-In 1111 Sampler _____
 (H) Final Hydrostatic 2077 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total \$1225.00/-

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65578**

Well Name & No. Janice #8-1 Test No. 4 Date 10-26-16
 Company Stratakan Exploration LLC Elevation 3142 KB 3137 GL
 Address 204 W. Mill St. Plainville KS 67663
 Co. Rep / Geo. Marc Downing Rig WW2
 Location: Sec. 6 Twp. 12 Rge. 33 Co. Logan State KS

Interval Tested 4581-4670 Zone Tested Johnson
 Anchor Length 89 Drill Pipe Run 4444 Mud Wt. 9.5
 Top Packer Depth 4576 Drill Collars Run 119 Vis 52
 Bottom Packer Depth 4581 Wt. Pipe Run 6 WL 8.0
 Total Depth 4670 Chlorides 11000 ppm System LCM 4
 Blow Description IF: BOB IN 2 Min
IS: No Return Blow
FF: BOB IN 4 Min
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>372</u>	<u>0cm</u>	<u>3</u>		<u>97</u>	
<u>310</u>	<u>WCOM</u>	<u>3</u>	<u>2</u>	<u>95</u>	
<u>620</u>	<u>MCW</u>		<u>70</u>	<u>30</u>	
<u>305</u>	<u>SW</u>		<u>100</u>		
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1607 BHT 131 Gravity NA API RW 387 @ 82.4° F Chlorides 17000 ppm

(A) Initial Hydrostatic <u>2436</u>	<input checked="" type="checkbox"/> Test <u>\$ 1150.00</u>	T-On Location <u>06:50</u>
(B) First Initial Flow <u>178</u>	<input checked="" type="checkbox"/> Jars <u>\$ 250.00</u>	T-Started <u>07:26</u>
(C) First Final Flow <u>573</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$ 75.00/-</u>	T-Open <u>09:13</u>
(D) Initial Shut-In <u>890.</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>12:13</u>
(E) Second Initial Flow <u>583</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>14:13</u>
(F) Second Final Flow <u>803:</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT = \$ 75.00/-</u>	Comments _____
(G) Final Shut-In <u>905.</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2377</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 60

Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1550
 Accessibility _____ MP/DST Disc't _____
 Sub Total \$ 1550.00/-

Approved By _____ Our Representative Mike Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65579**

Well Name & No. Janice # 8-1 Test No. 5 Date 10-27-16
 Company Stratakan Exploration Elevation 3142 KB 3137 GL
 Address 204 W. Mill St. Plainville KS 67463
 Co. Rep / Geo. Marc Downing Rig WW2
 Location: Sec. 6 Twp. 12 Rge. 33 Co. Logan State KS

Interval Tested 4602-4654- Zone Tested Johnson
 Anchor Length 52 Drill Pipe Run 4474 Mud Wt. 9.3
 Top Packer Depth 4597 Drill Collars Run 119 Vis 56
 Bottom Packer Depth 4602 Wt. Pipe Run 0 WL 8.8
 Total Depth 4755 Chlorides 8000 ppm System LCM 4
 Blow Description IF: BOB in 4 Min.
IS: No Return Blow
FF: BOB in 8 Min.
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>25</u>	<u>Free Oil</u>	<u>100</u>			
<u>310</u>	<u>OCWM</u>	<u>2</u>	<u>48</u>	<u>50</u>	
<u>930</u>	<u>OCMLW</u>	<u>2</u>	<u>78</u>	<u>20</u>	
<u>119</u>	<u>SW</u>		<u>100</u>		

Rec Total 1384 BHT 131 Gravity 31 API RW 372 @ 81.4°F Chlorides 17000 ppm

(A) Initial Hydrostatic <u>2422</u>	<input checked="" type="checkbox"/> Test <u>\$1150.00/-</u>	T-On Location <u>11:50</u>
(B) First Initial Flow <u>63</u>	<input checked="" type="checkbox"/> Jars <u>\$250.00/-</u>	T-Started <u>13:52</u>
(C) First Final Flow <u>398</u>	<input checked="" type="checkbox"/> Safety Joint <u>\$75.00/-</u>	T-Open <u>16:00</u>
(D) Initial Shut-In <u>886</u>	<input checked="" type="checkbox"/> Circ Sub	T-Pulled <u>19:00</u>
(E) Second Initial Flow <u>396</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>21:42</u>
(F) Second Final Flow <u>657</u>	<input checked="" type="checkbox"/> Mileage <u>100 RT \$75.00/-</u>	Comments
(G) Final Shut-In <u>883</u>	<input type="checkbox"/> Sampler	<input type="checkbox"/> Ruined Shale Packer
(H) Final Hydrostatic <u>2364</u>	<input checked="" type="checkbox"/> Straddle <u>\$600.00/-</u>	<input type="checkbox"/> Ruined Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Packer	Sub Total <u>0</u>
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Total <u>2150</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	MP/DST Disc't
	<input type="checkbox"/> Accessibility	
	Sub Total <u>\$2150.00/-</u>	

Approved By _____ Our Representative Mike Roberts

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**BOREHOLE COMPENSATED
SONIC LOG**

Pioneer Energy Services

Company STRATAKAN EXPLORATION, LLC
Well JANICE NO. 8-1
Field WILDCAT
County LOGAN
State KANSAS

Company STRATAKAN EXPLORATION, LLC
Well JANICE NO. 8-1
Field WILDCAT
County LOGAN State KANSAS

Location: API #: 15-109-21483-00-00
330' FSL & 2,084' FEL
SEC 8 TWP 12S RGE 33W
Permanent Datum GROUND LEVEL Elevation 3137'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
DIL/MEL
Elevation
K.B. 3142'
D.F. N/A
G.L. 3137'

Date	10/27/2016						
Run Number	TWO						
Type Log	BHCS						
Depth Driller	4755'						
Depth Logger	4754'						
Bottom Logged Interval	4743'						
Top Logged Interval	200'						
Type Fluid In Hole	CHEMICAL						
Salinity, PPM CL	8500						
Density	9.6						
Level	FULL						
Max. Rec. Temp. F	124 DEG.F.						
Operating Rig Time	4 HOURS						
Equipment -- Location	108 COLBY						
Recorded By	J. LONG						
Witnessed By	MARC DOWNING						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	00'	220'	8.625"	23#	00'	220'
TWO	7.875"	220'	TD				
Casing Record							

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer 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.
MONUMENT, 1 EAST TO 360 ROAD, 7 1/2 SOUTH TO WAGON ROAD, 1/4 WEST,
NORTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

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

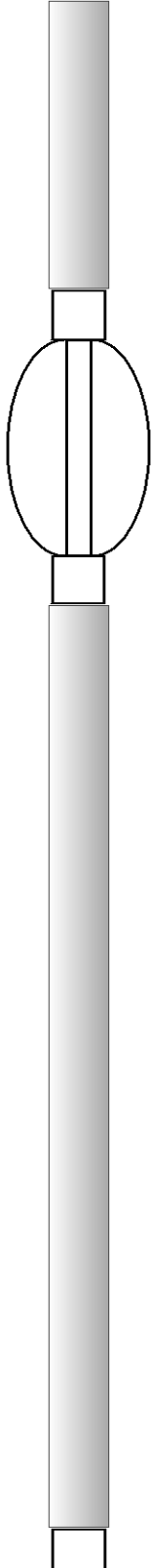

Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG Operator: C. PFEIFER Operator: Operator:	Primary Witness: MARC DOWNING Secondary Witness: Secondary Witness: Secondary Witness:

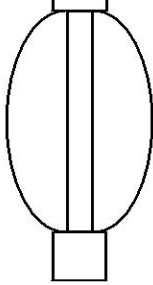
Log Variables

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Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	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	-330	55	Off	4754

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	28.00 28.00 28.00		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
			CENT-PENGO	5.50	3.00	70.00
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50					



CENT-PENGO

5.50

3.00

70.00

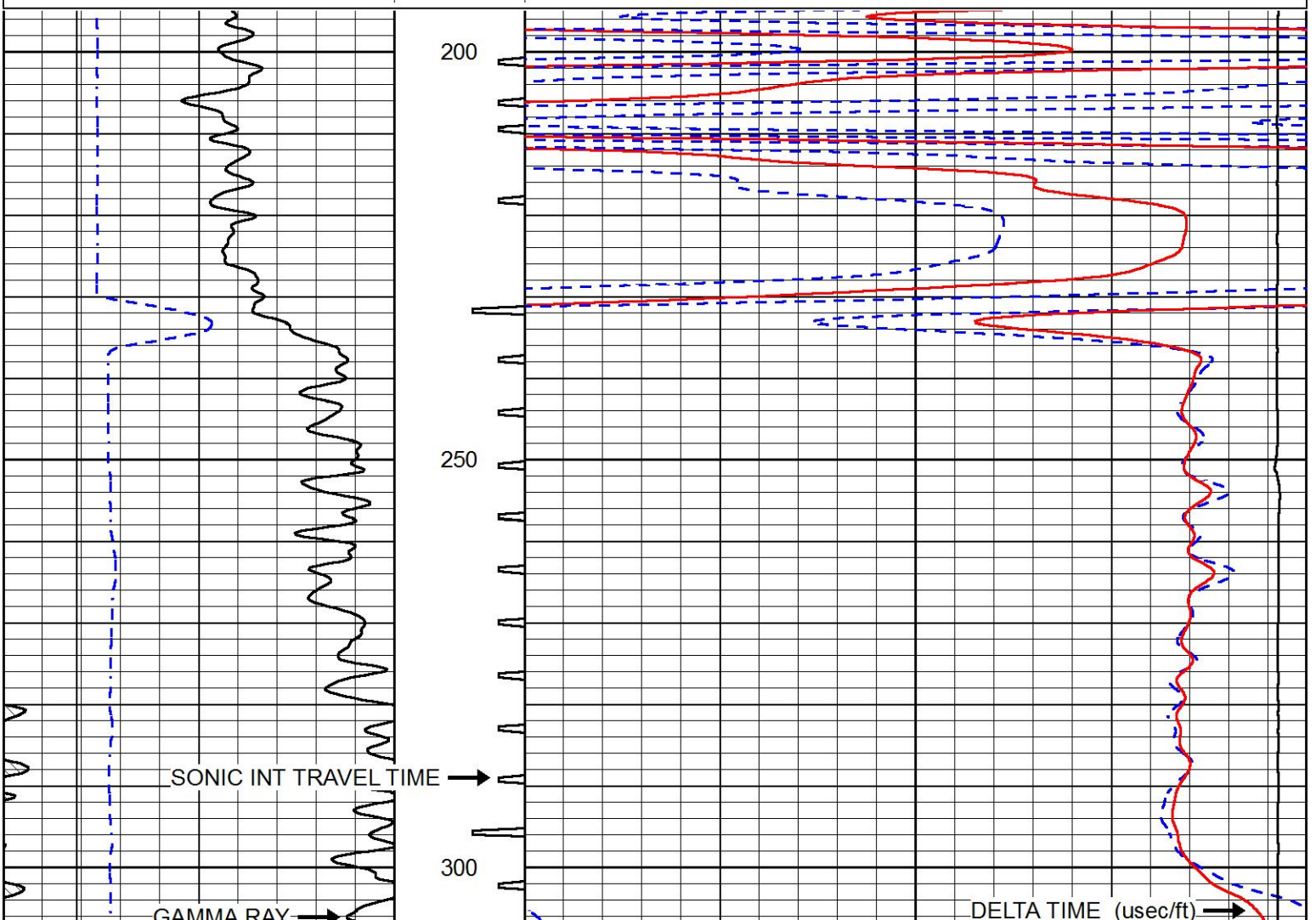
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 O.D.: 3.50 in



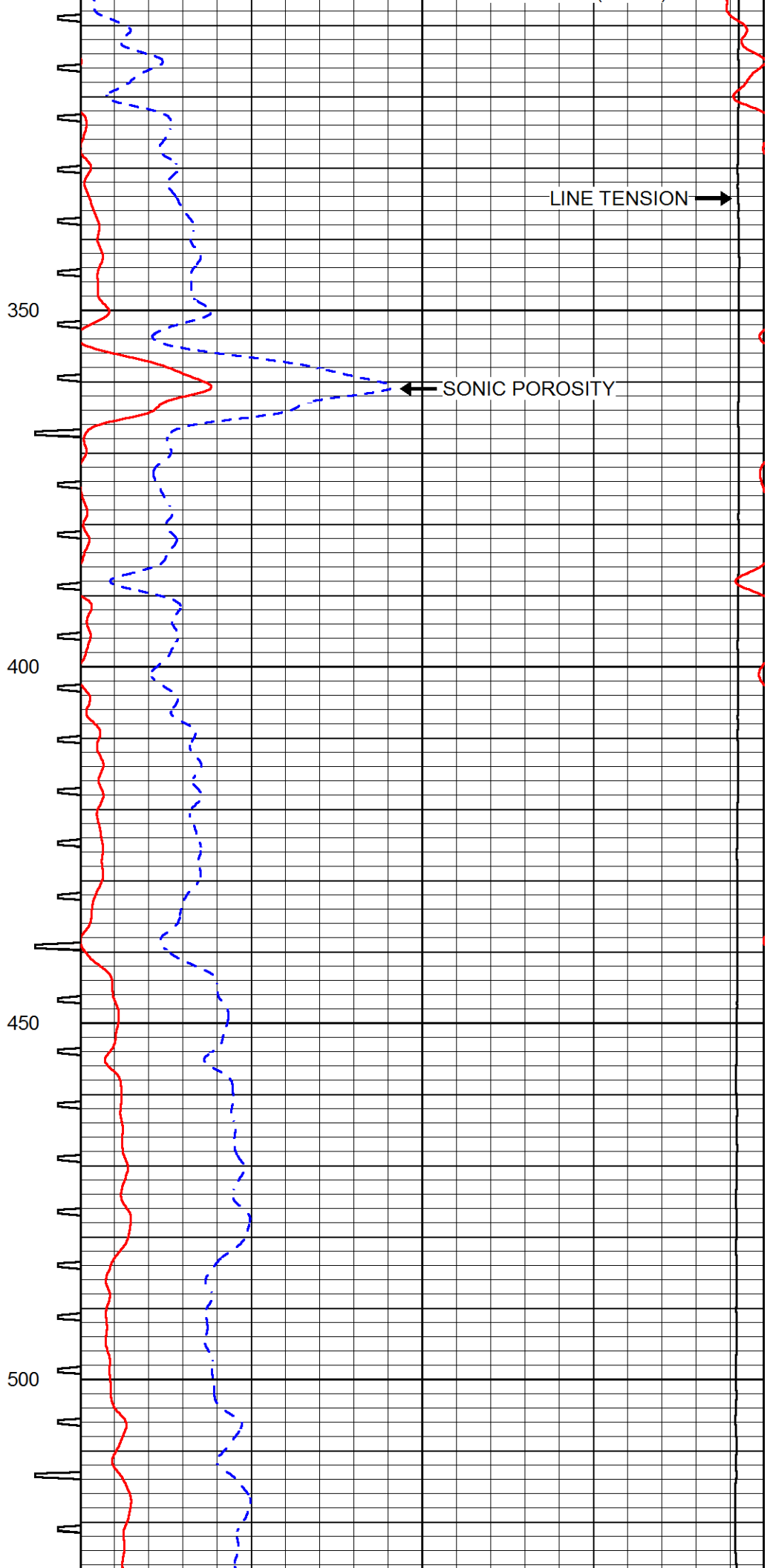
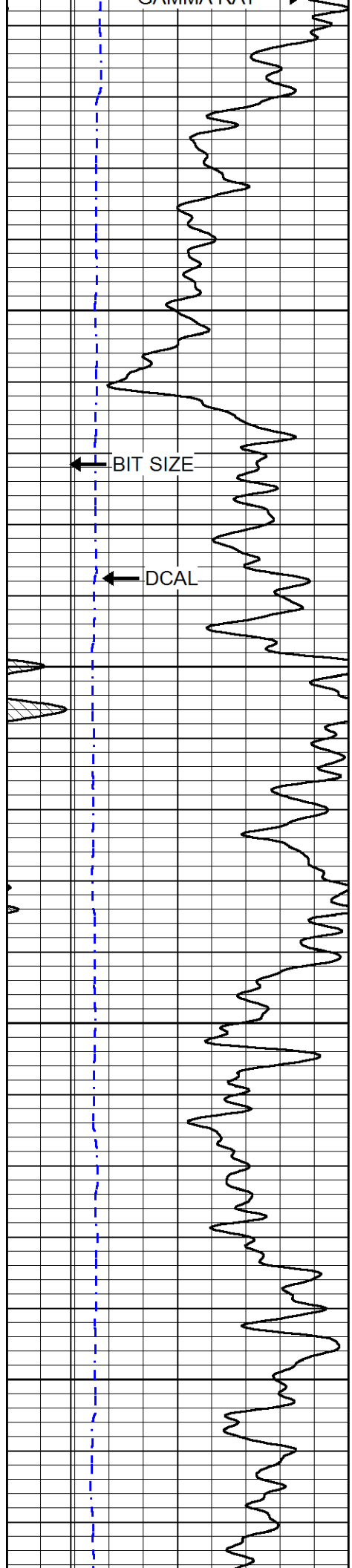
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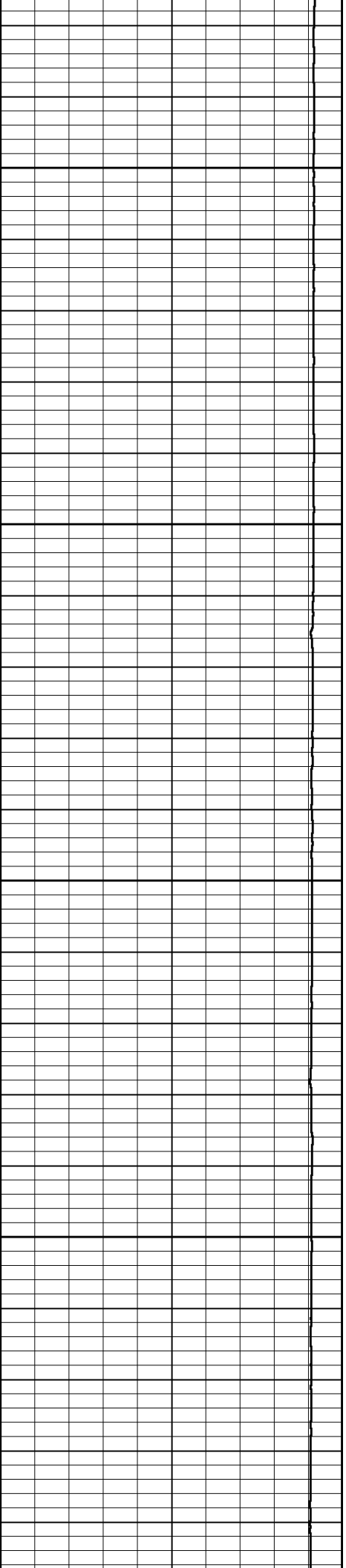
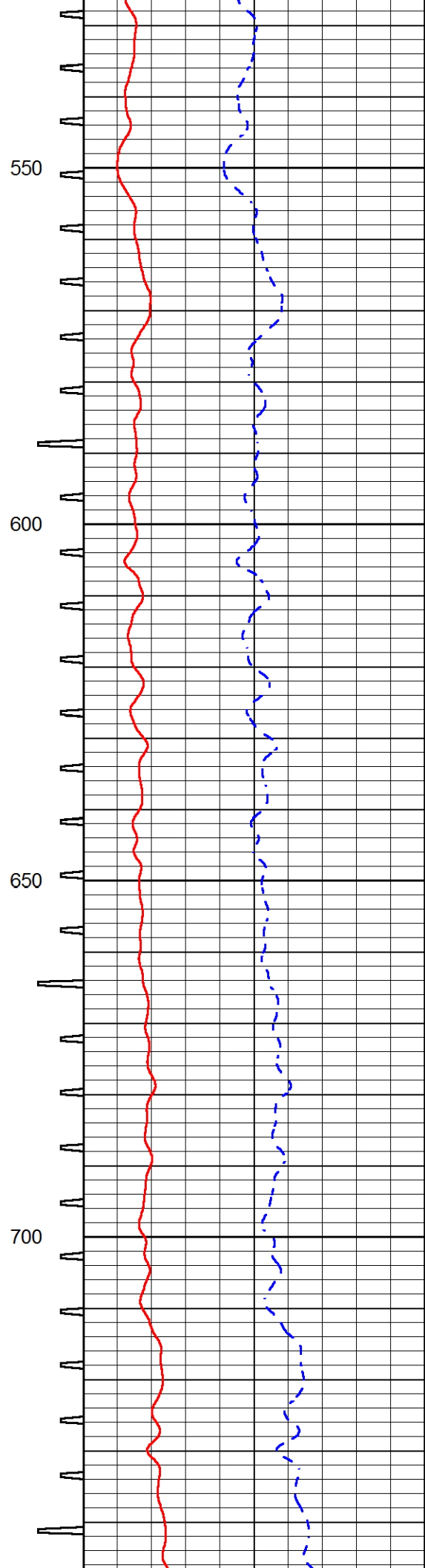
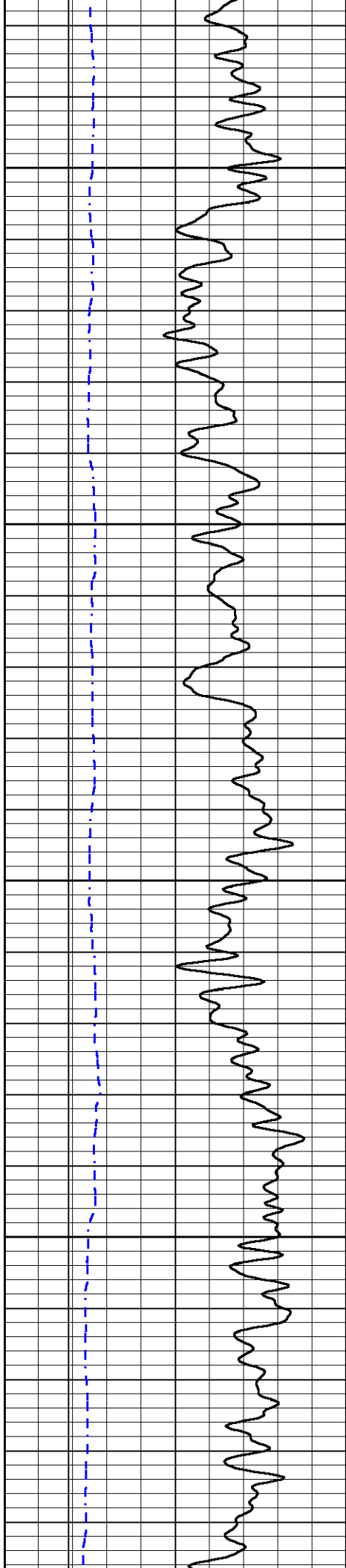
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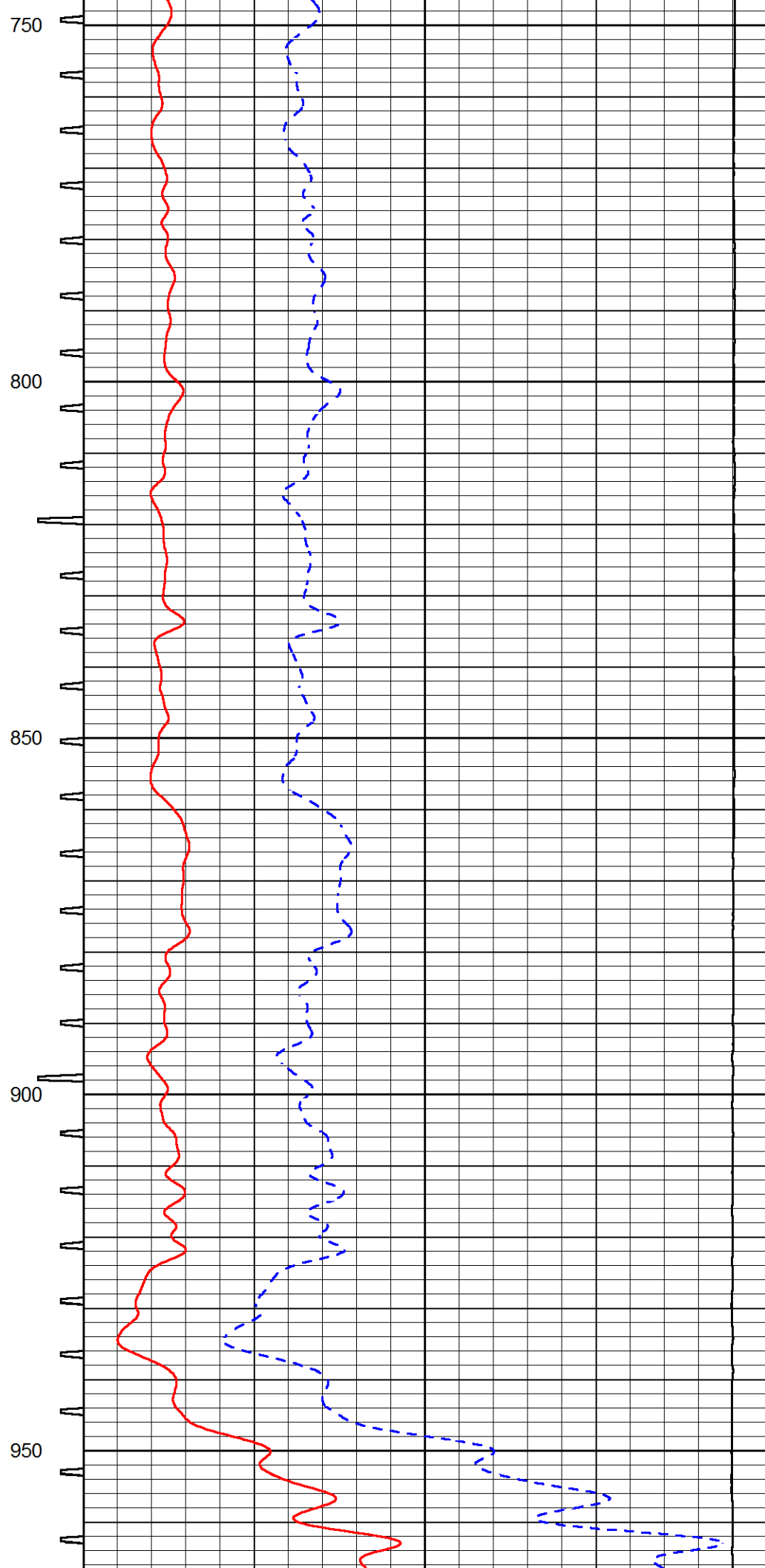
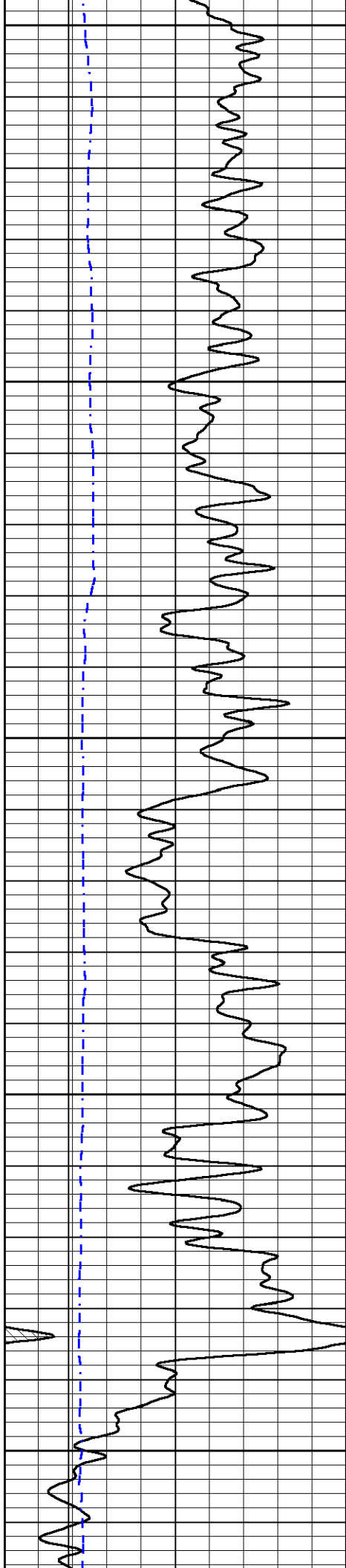
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6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

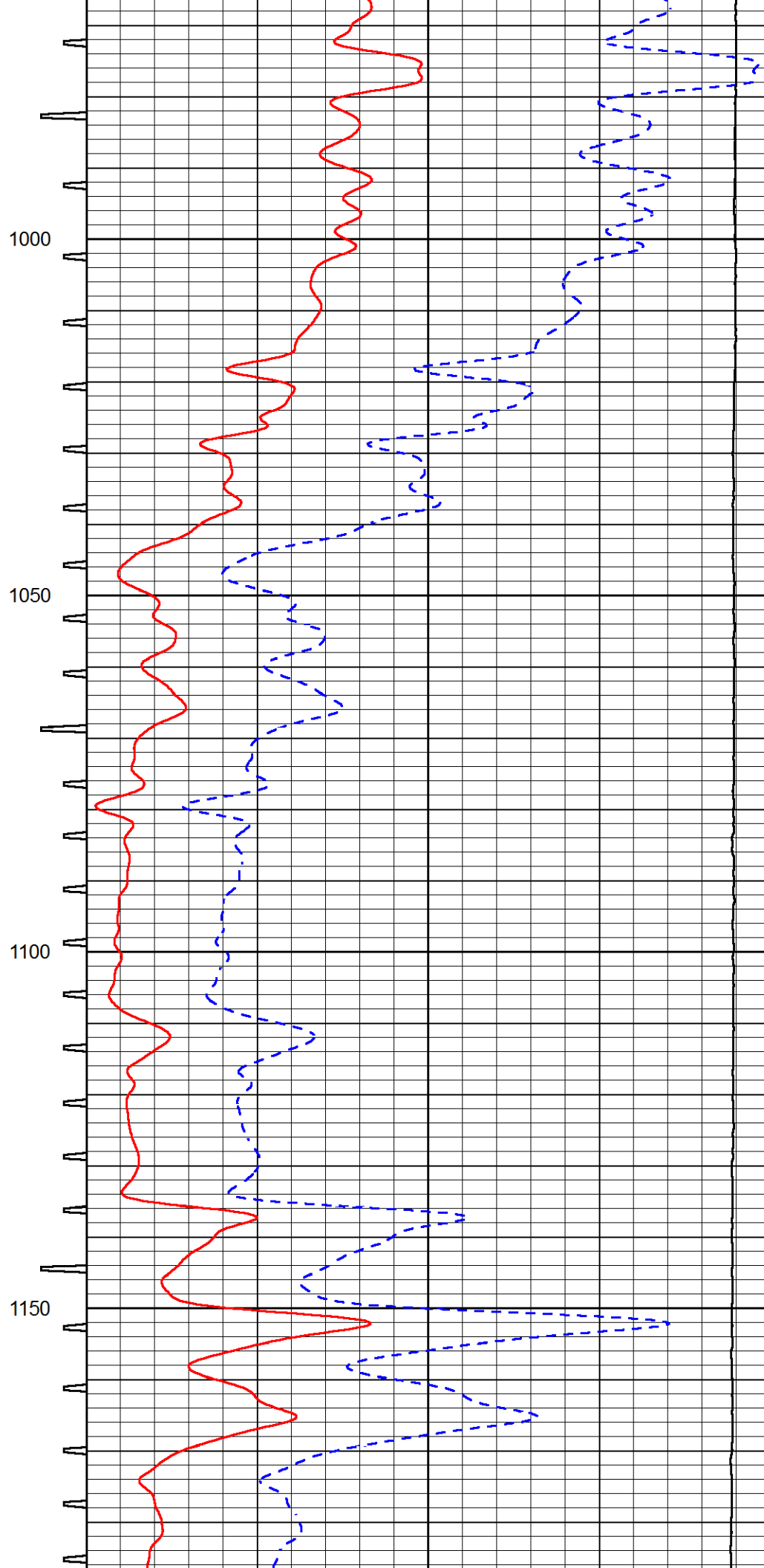
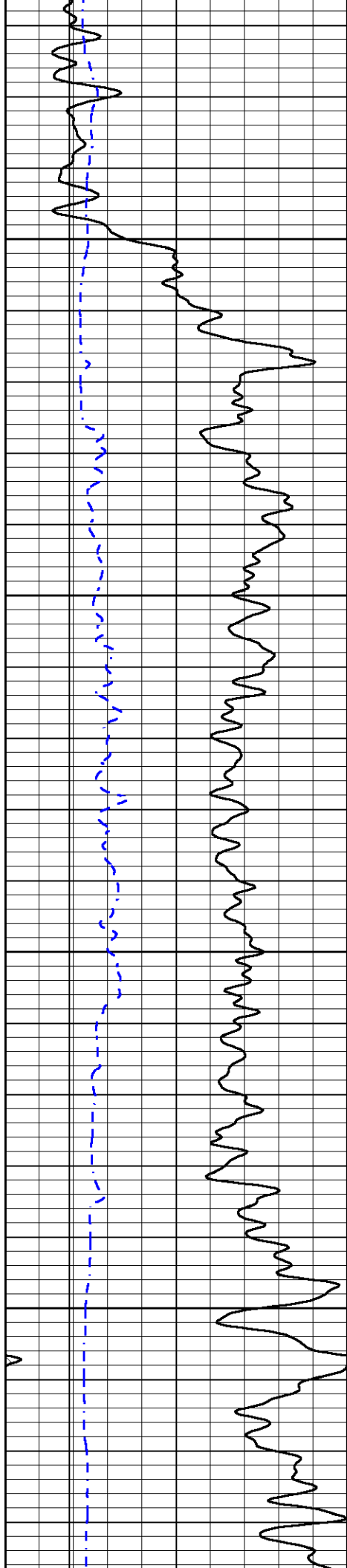


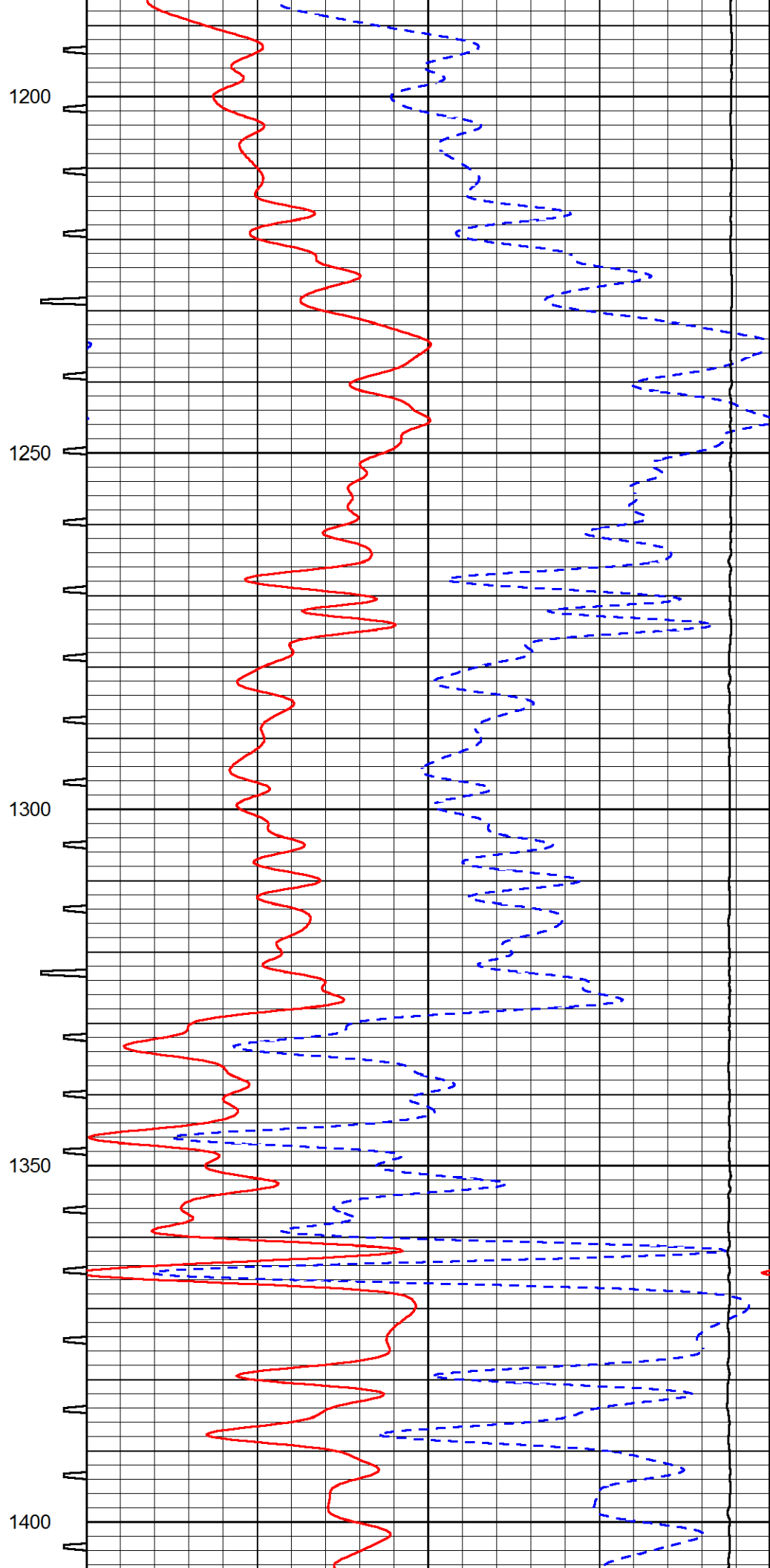
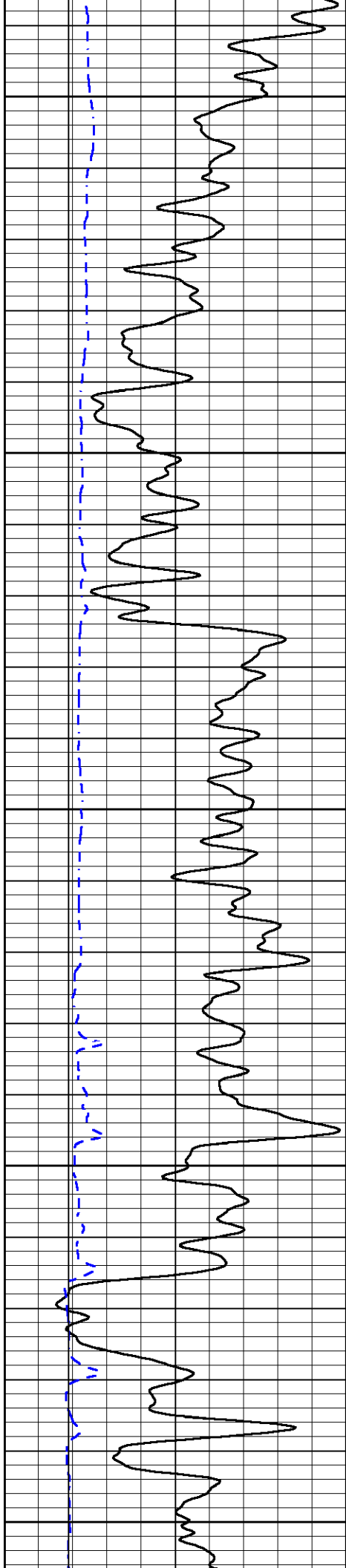
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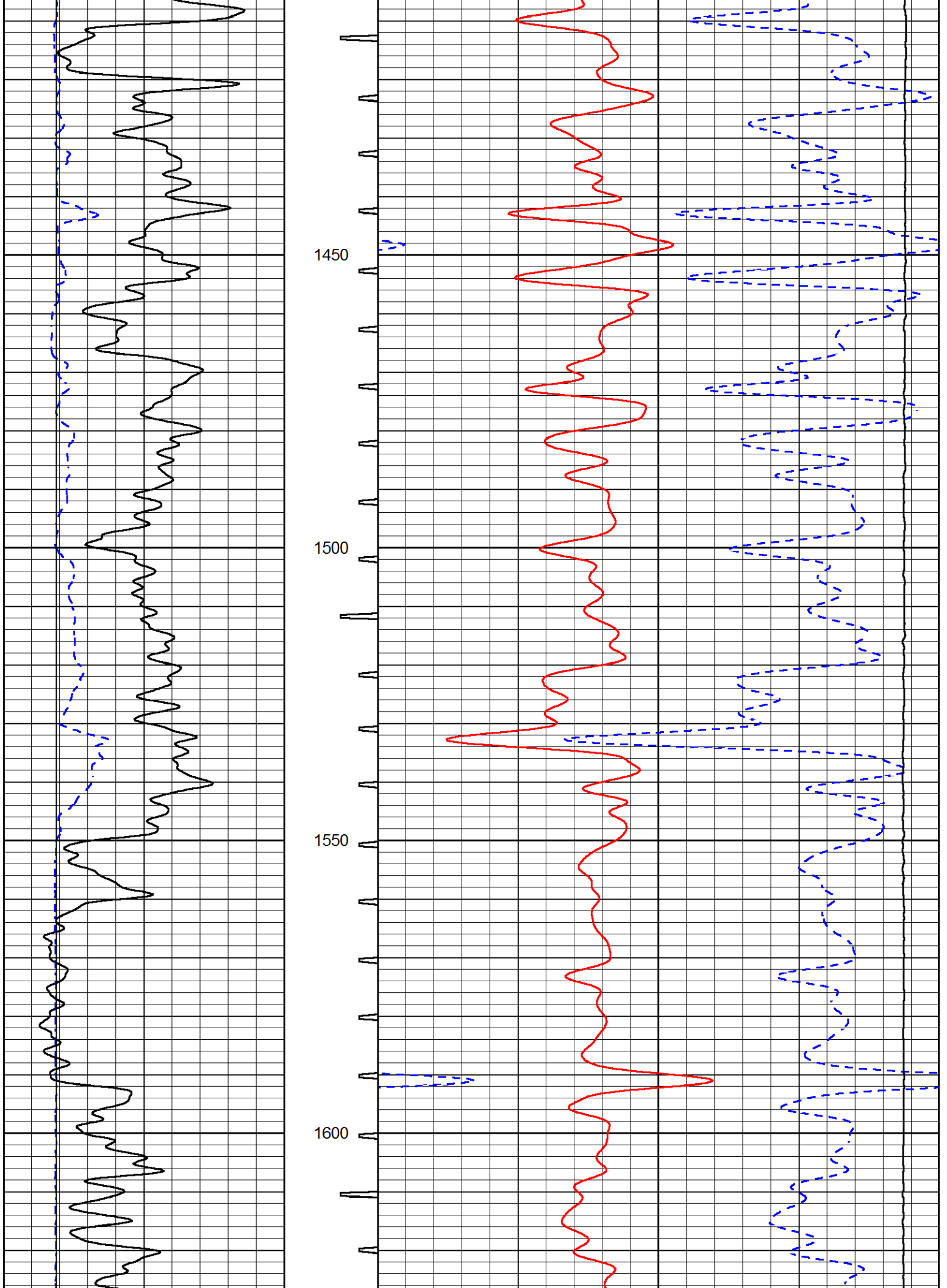


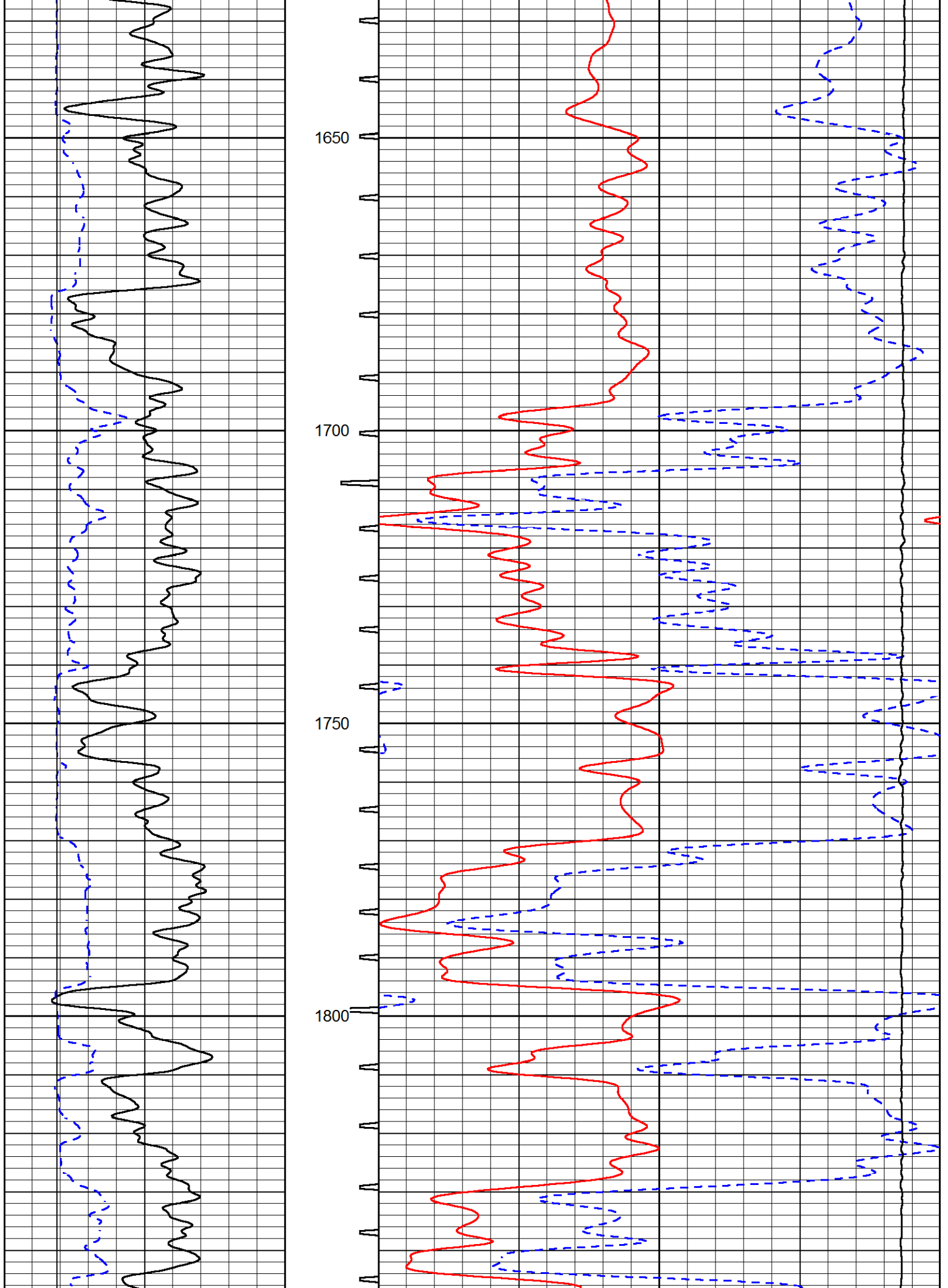


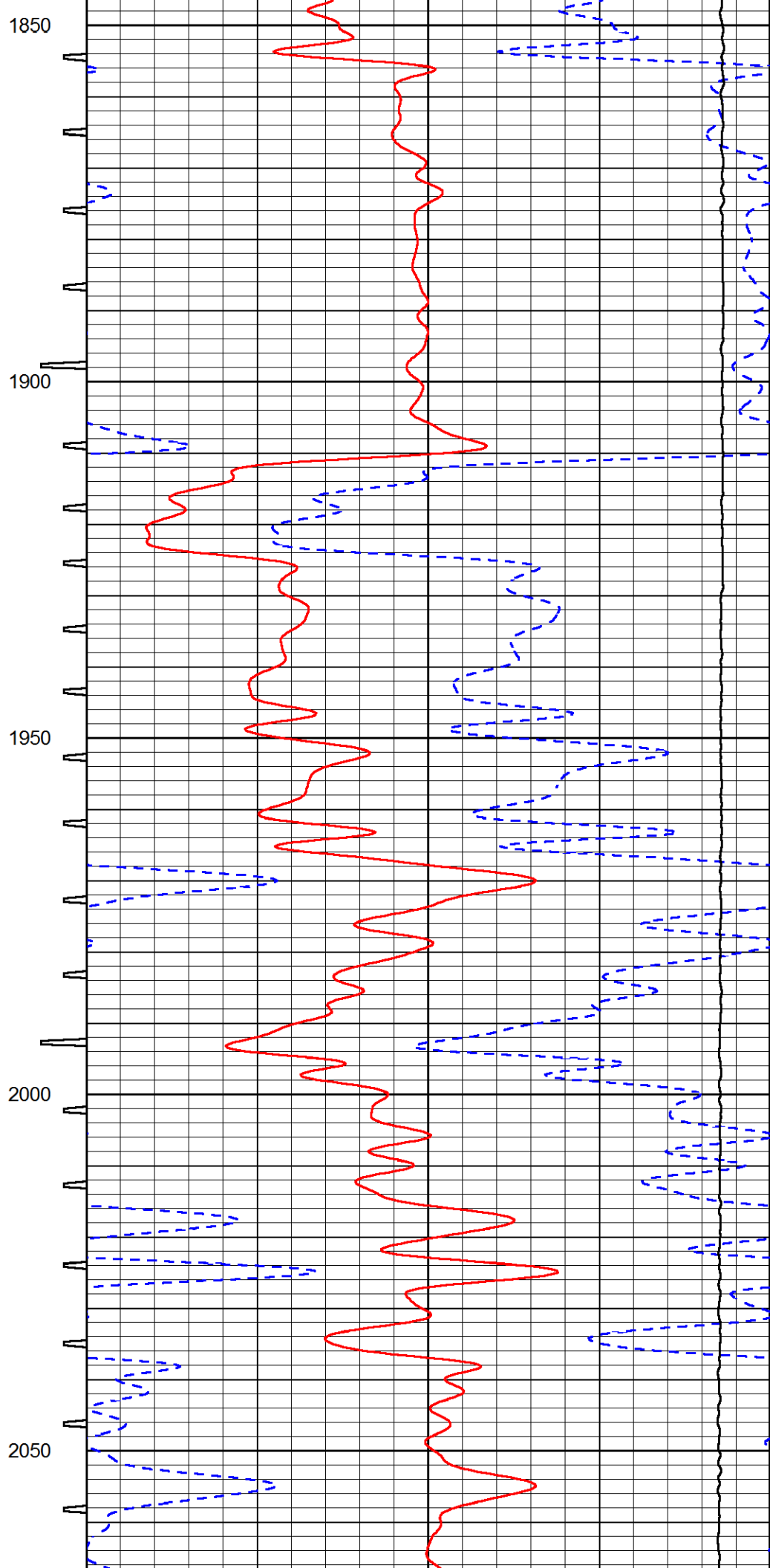
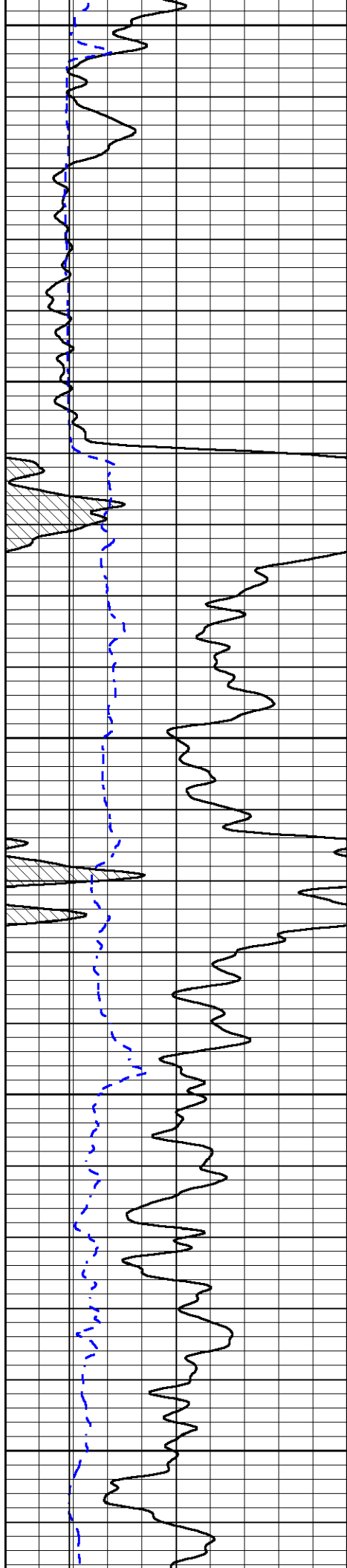


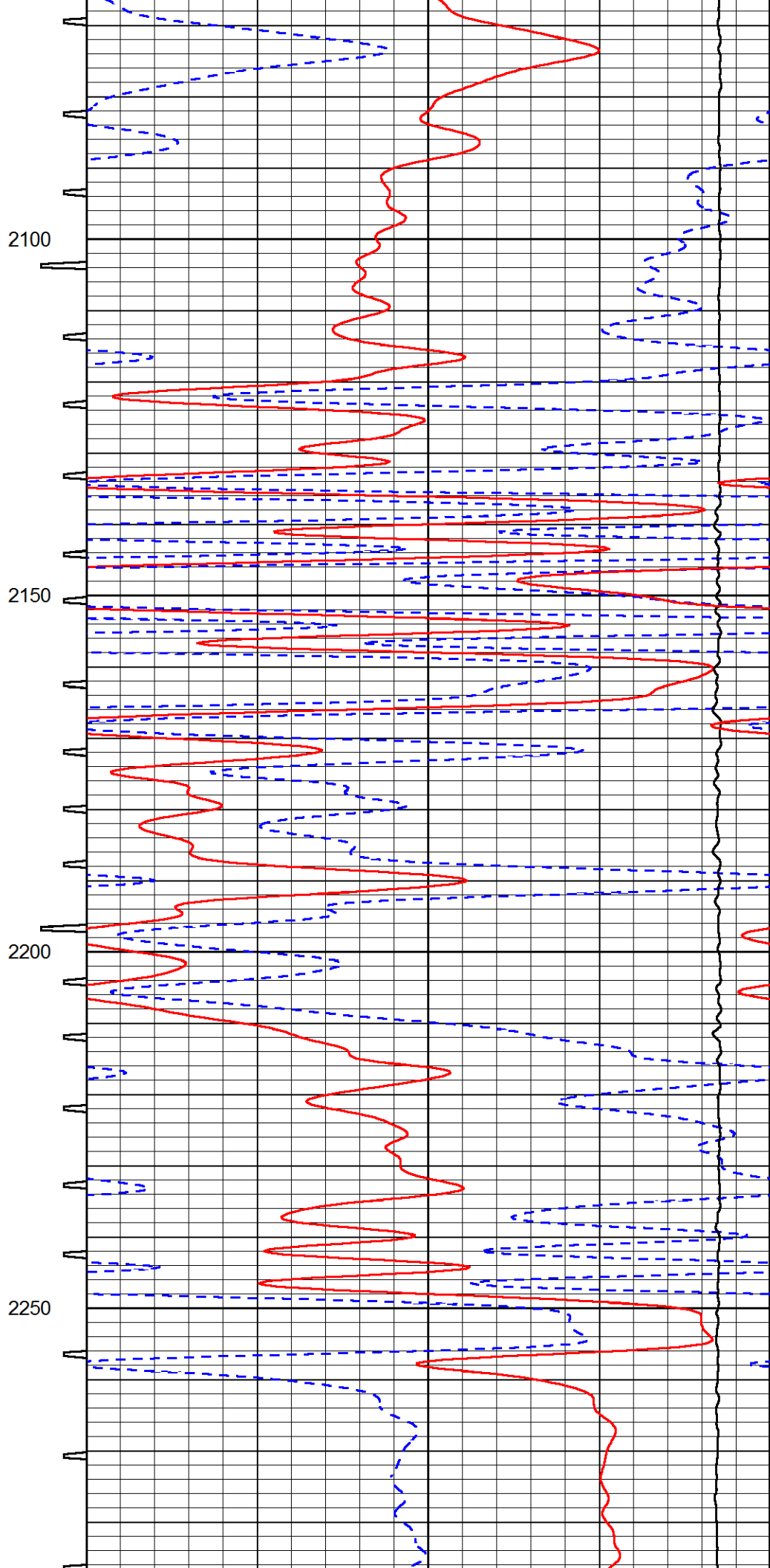
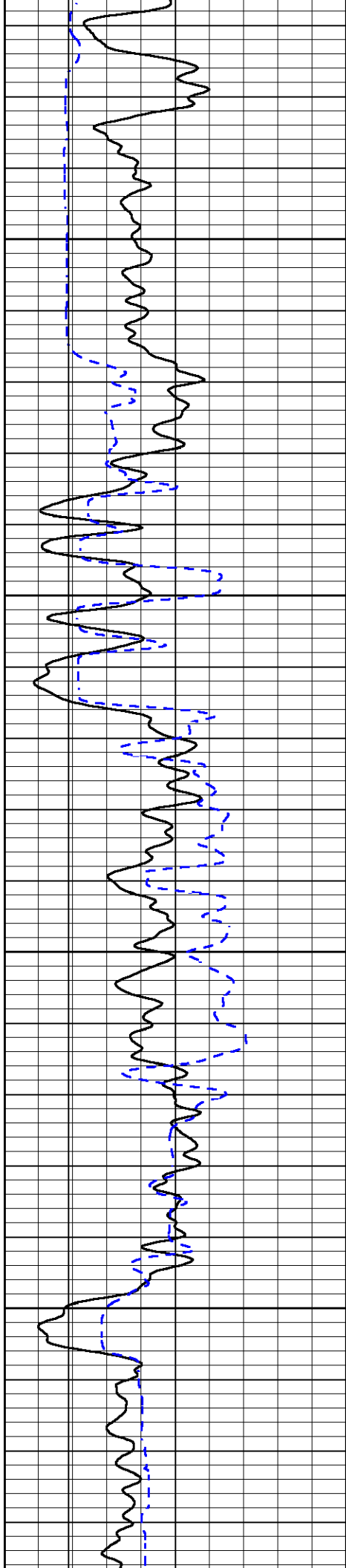


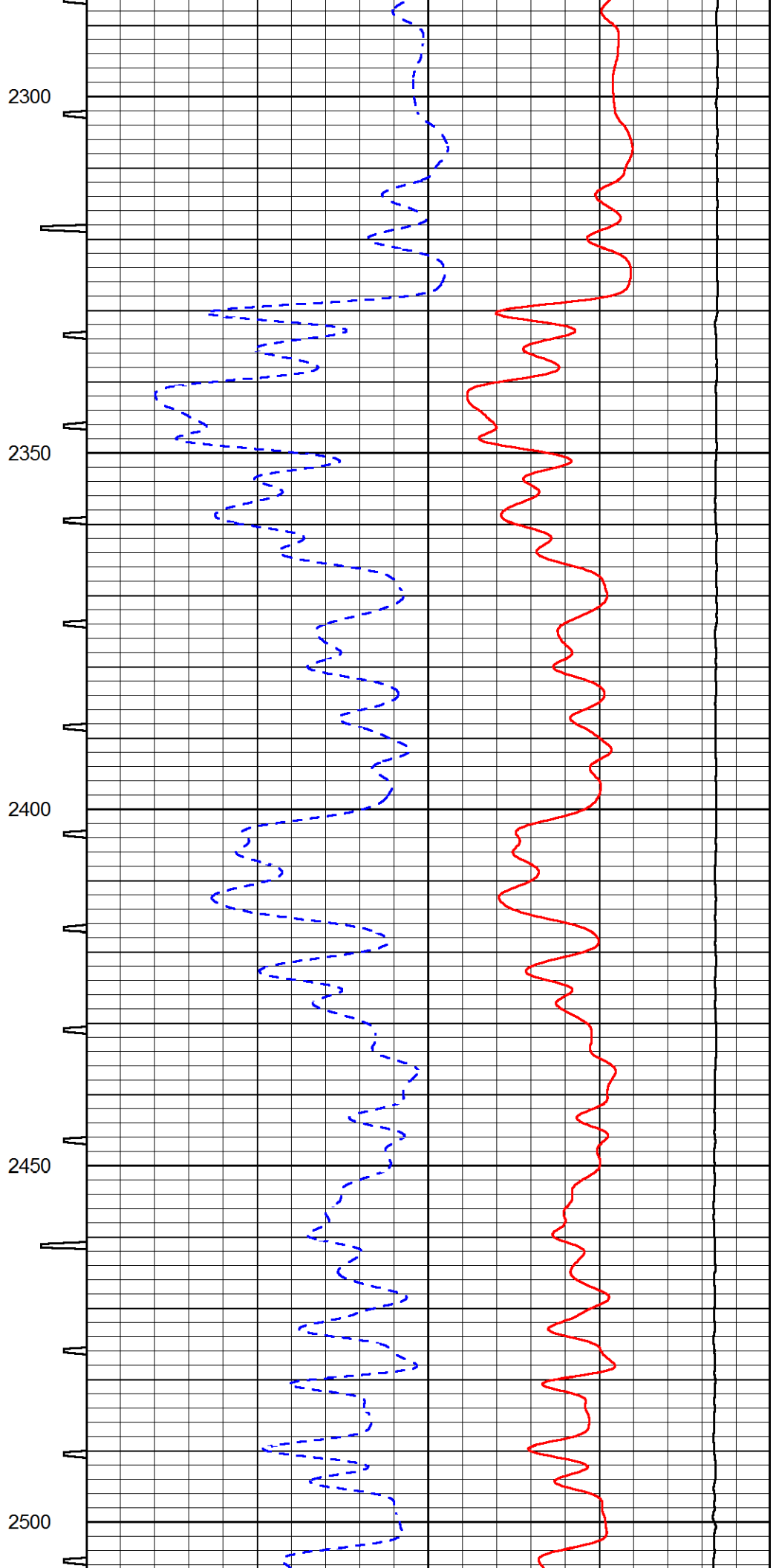
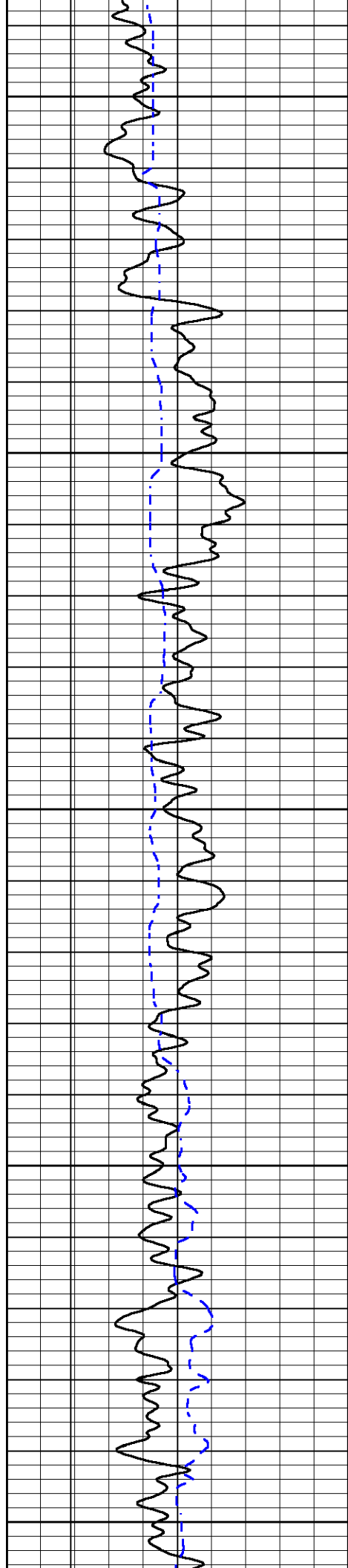


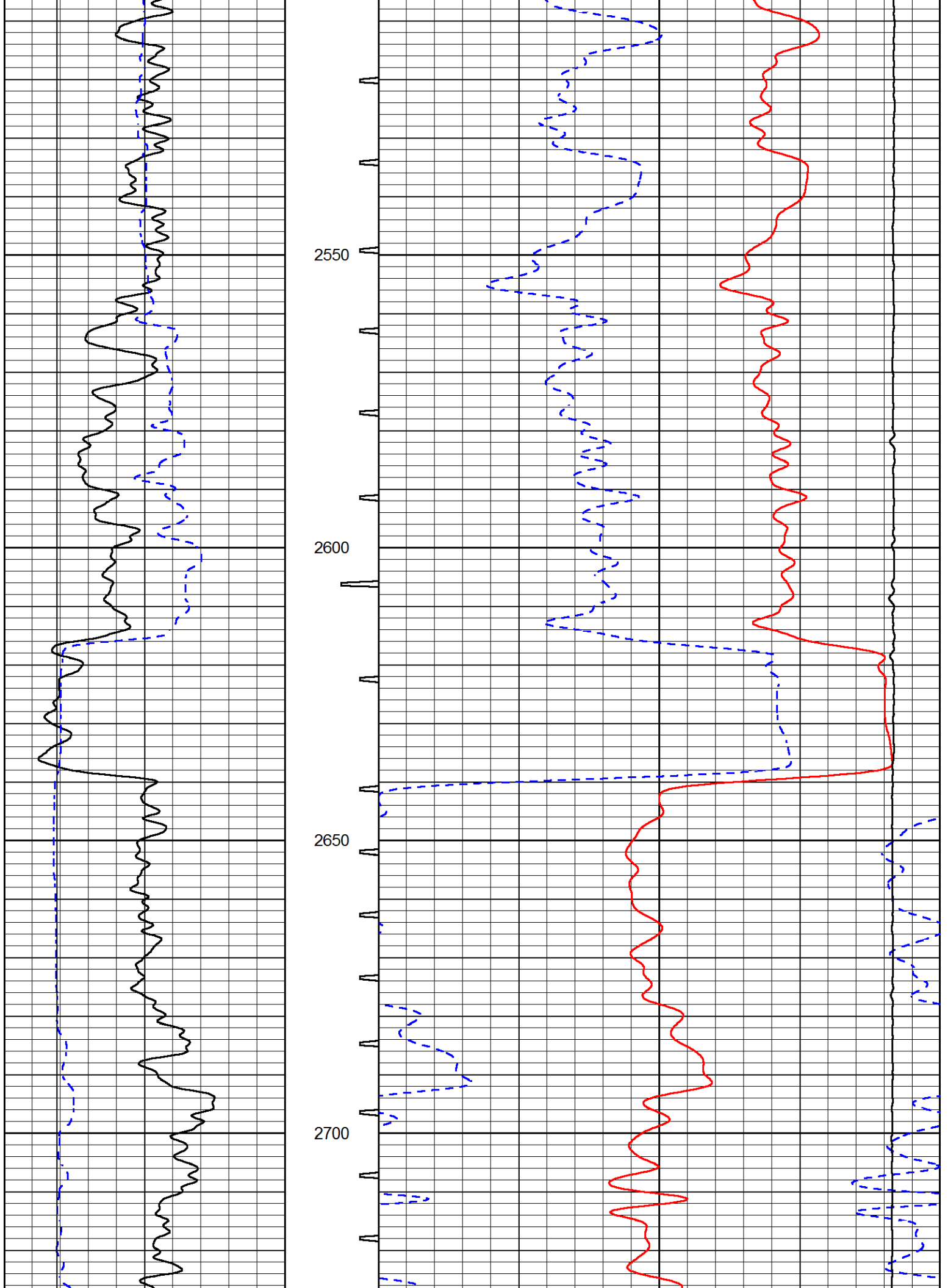


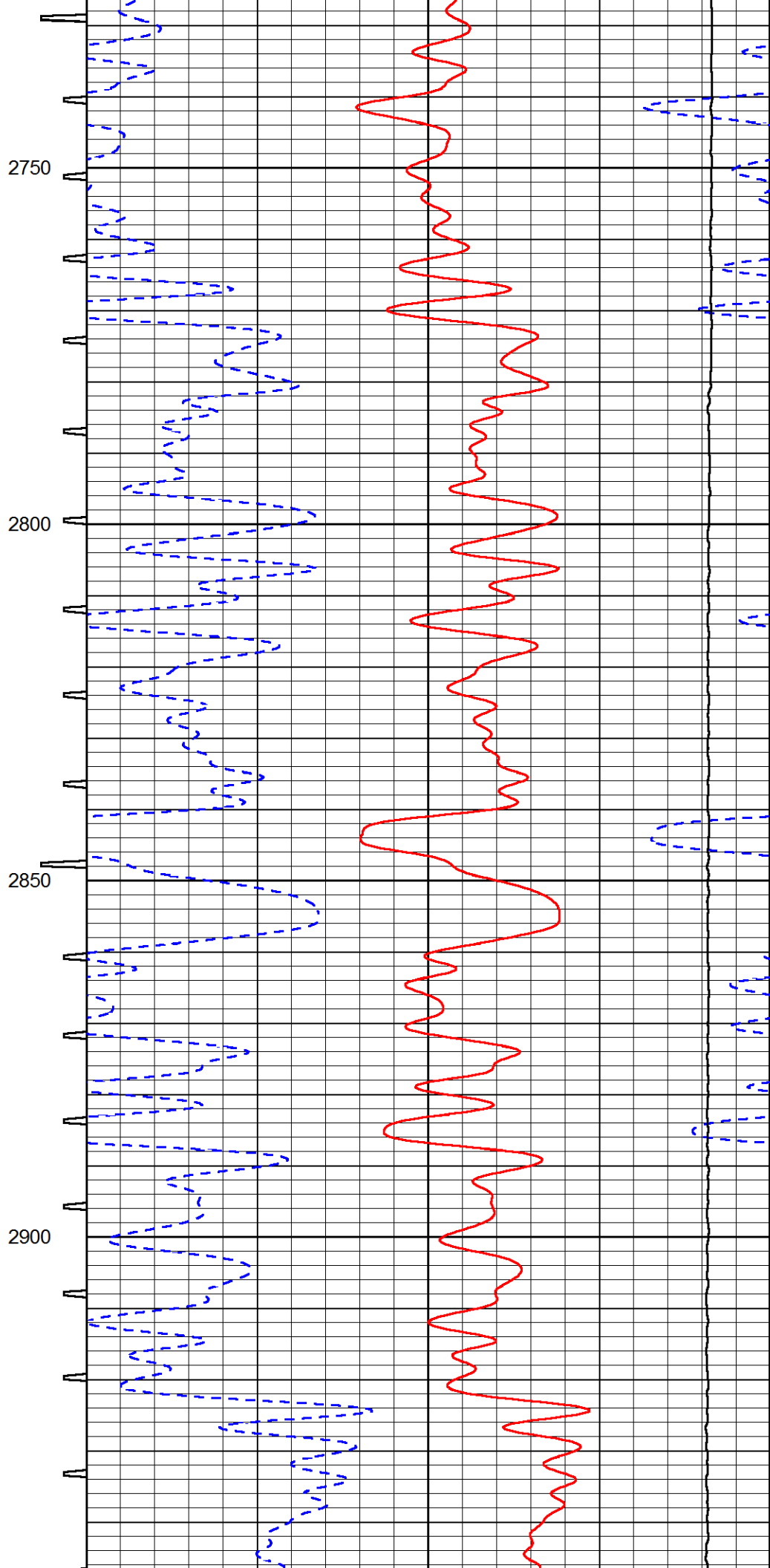
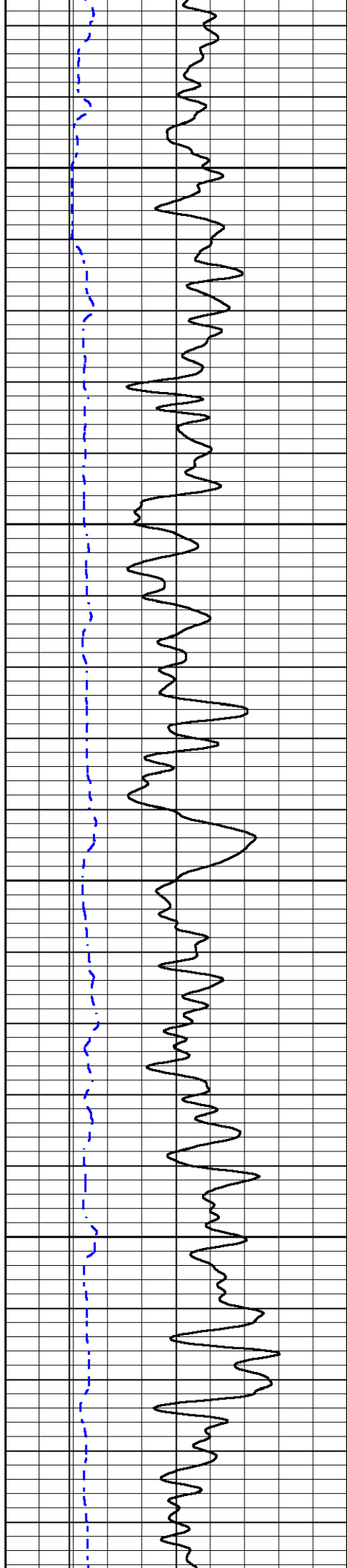


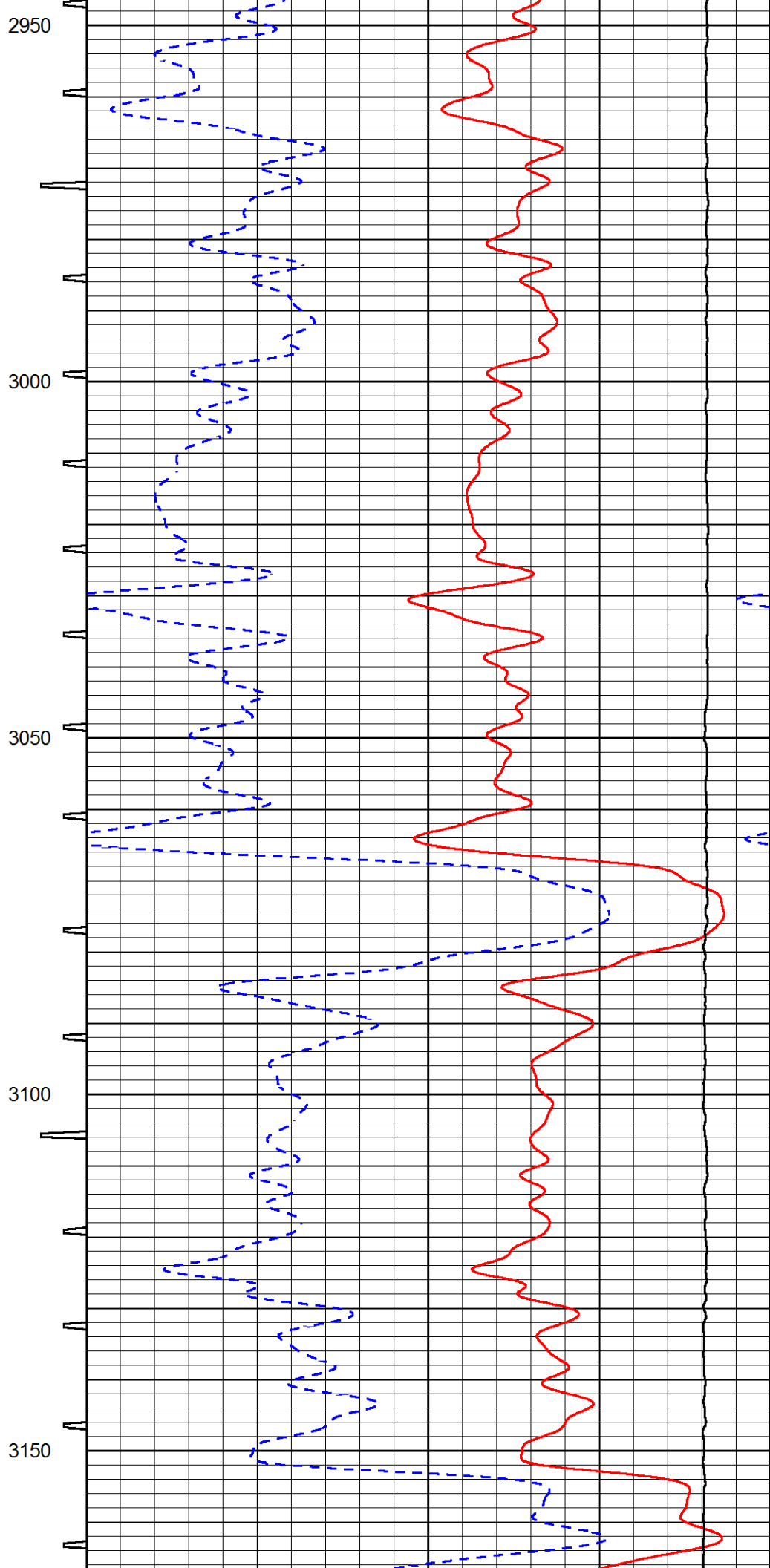
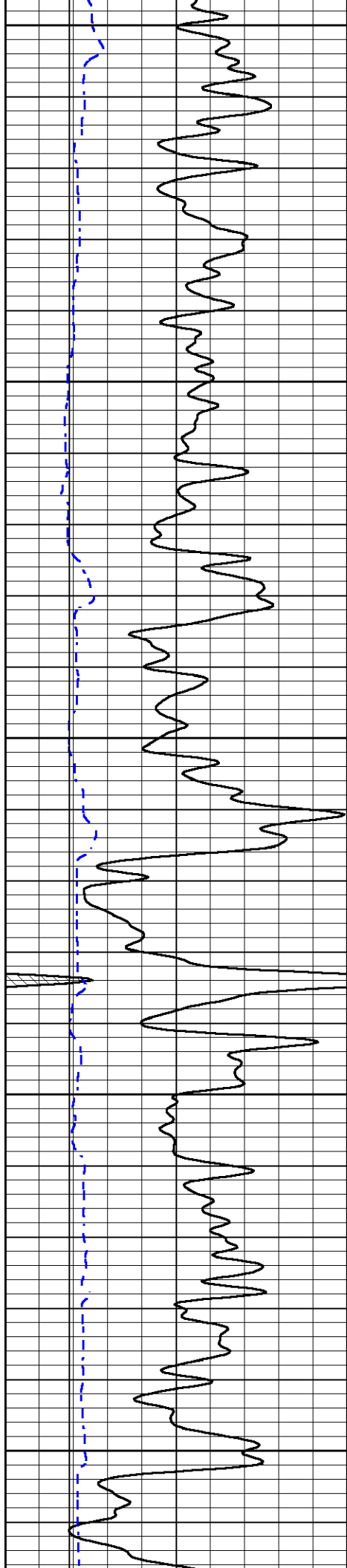


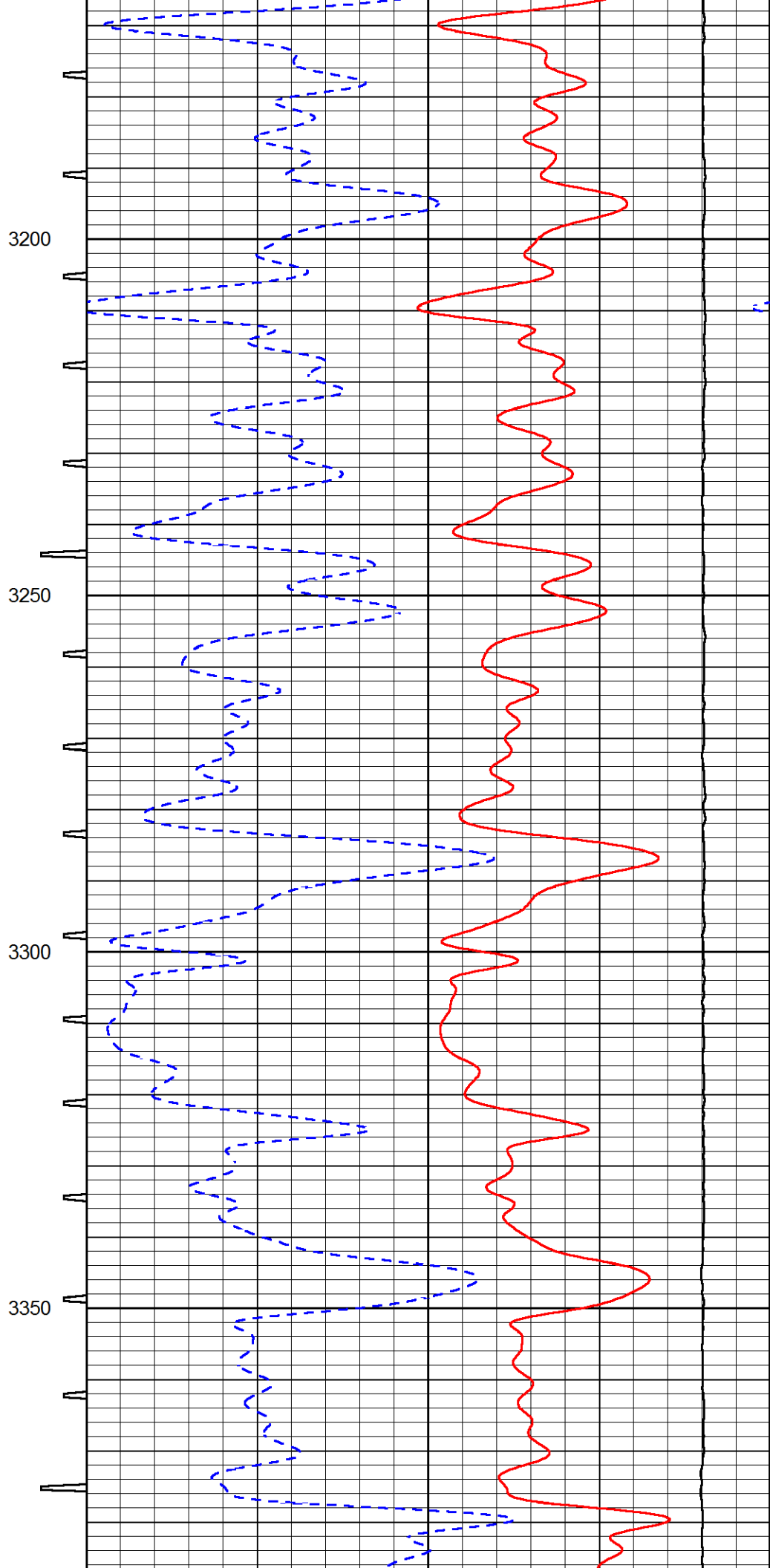
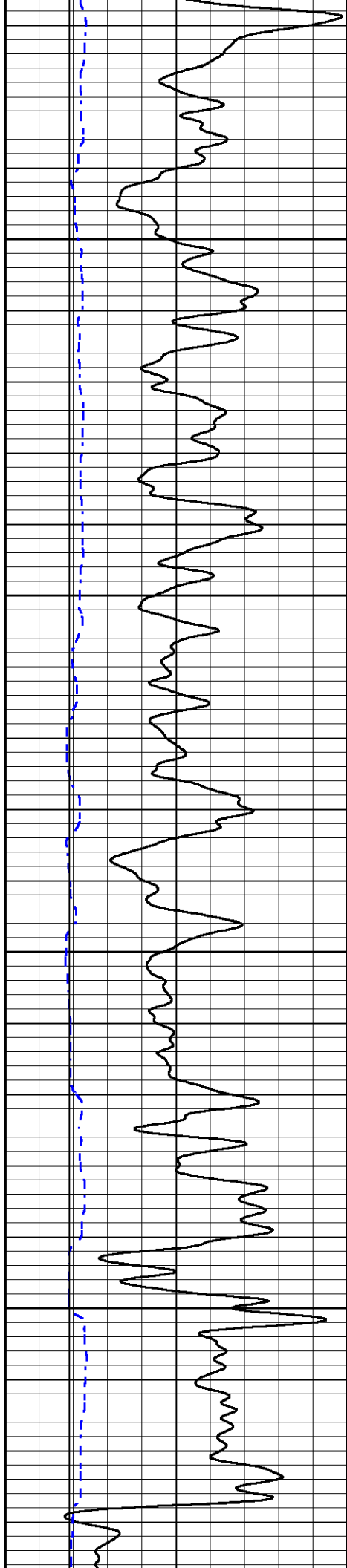


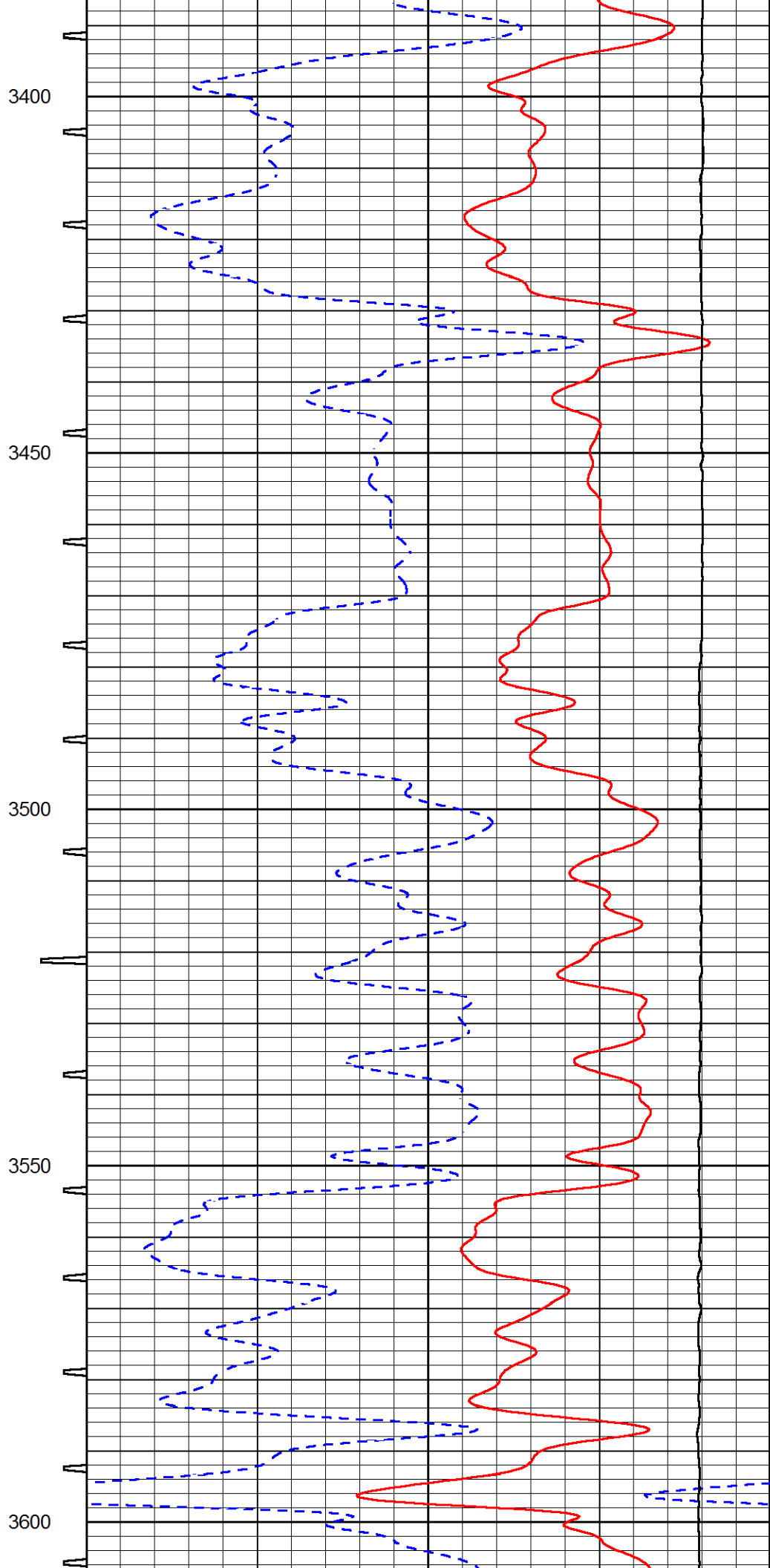
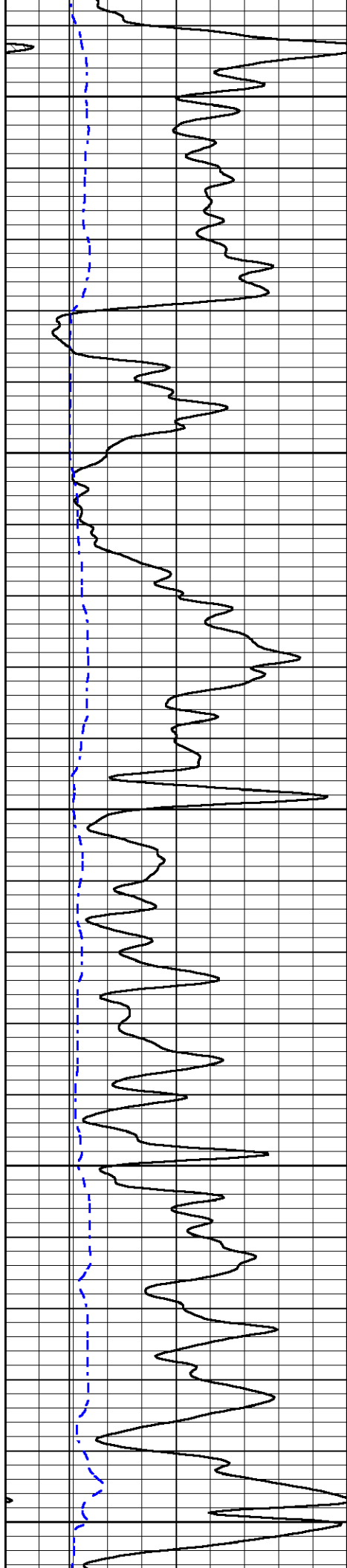


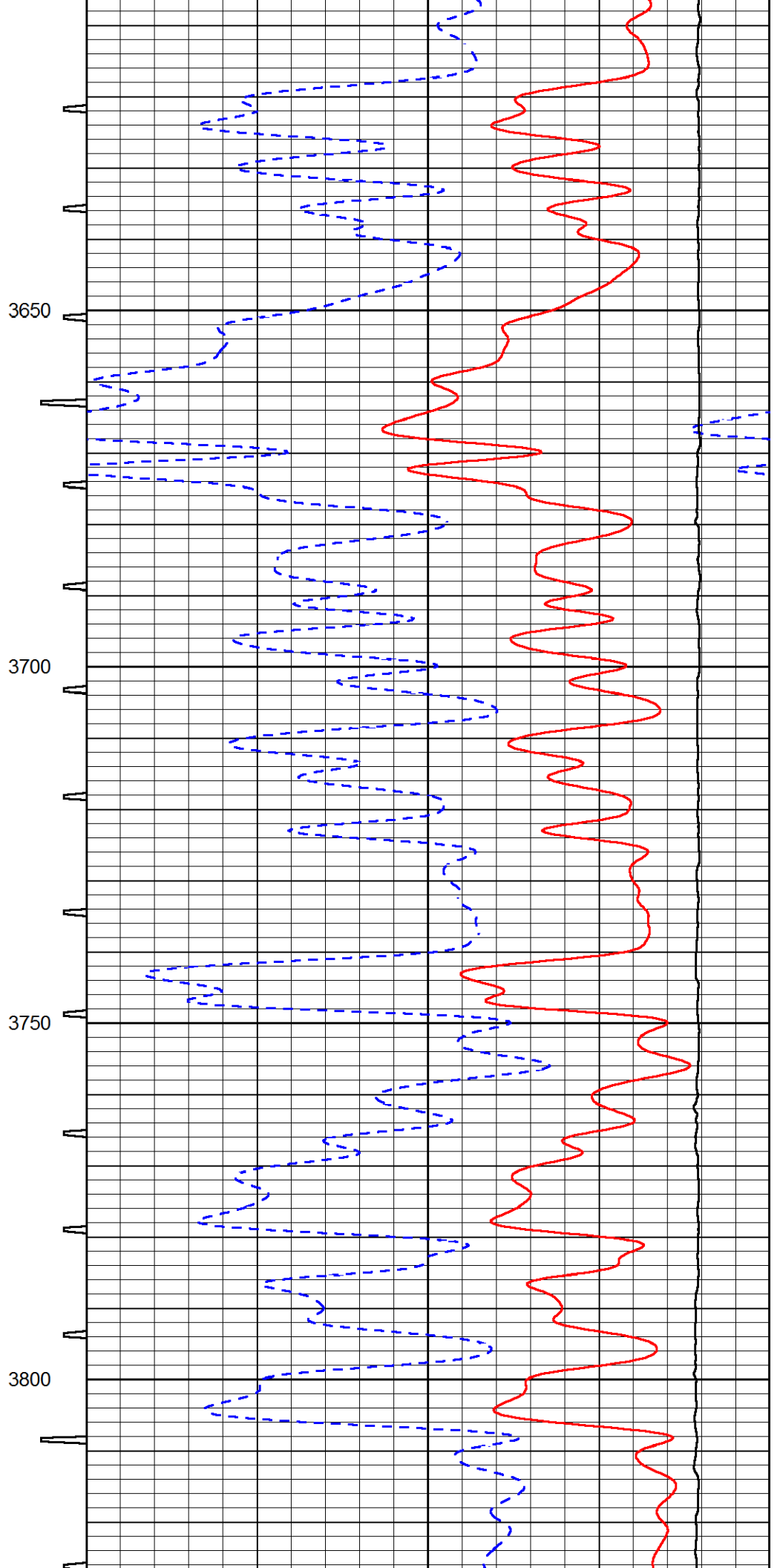
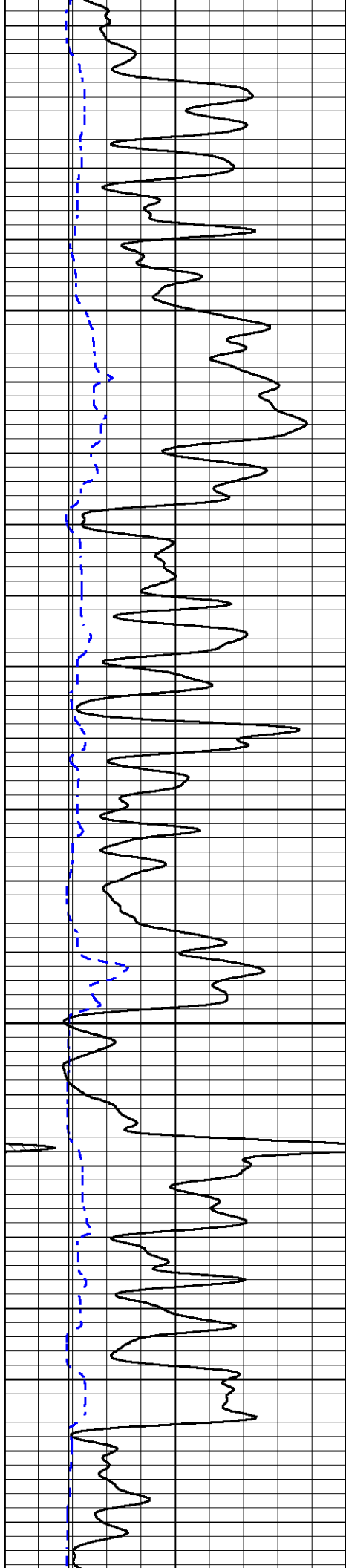


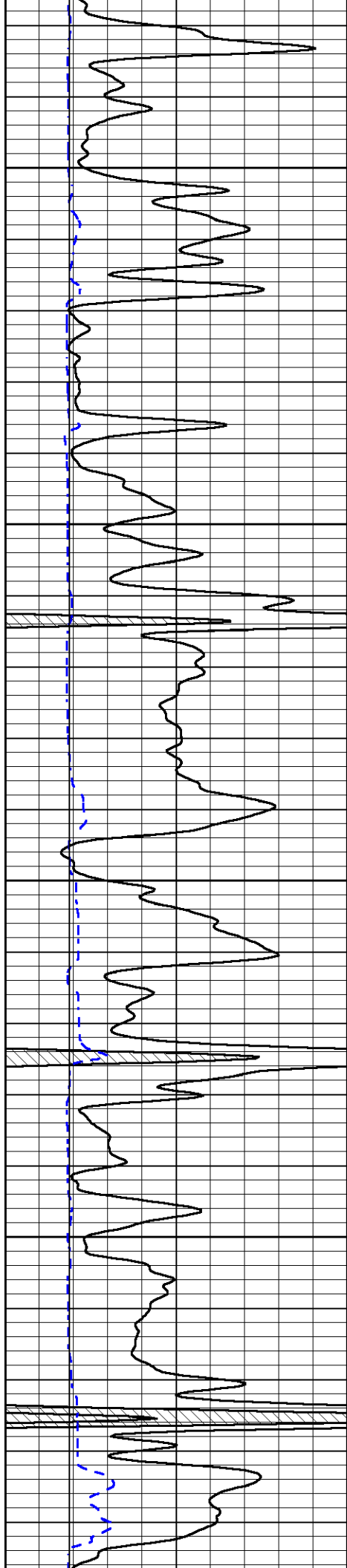










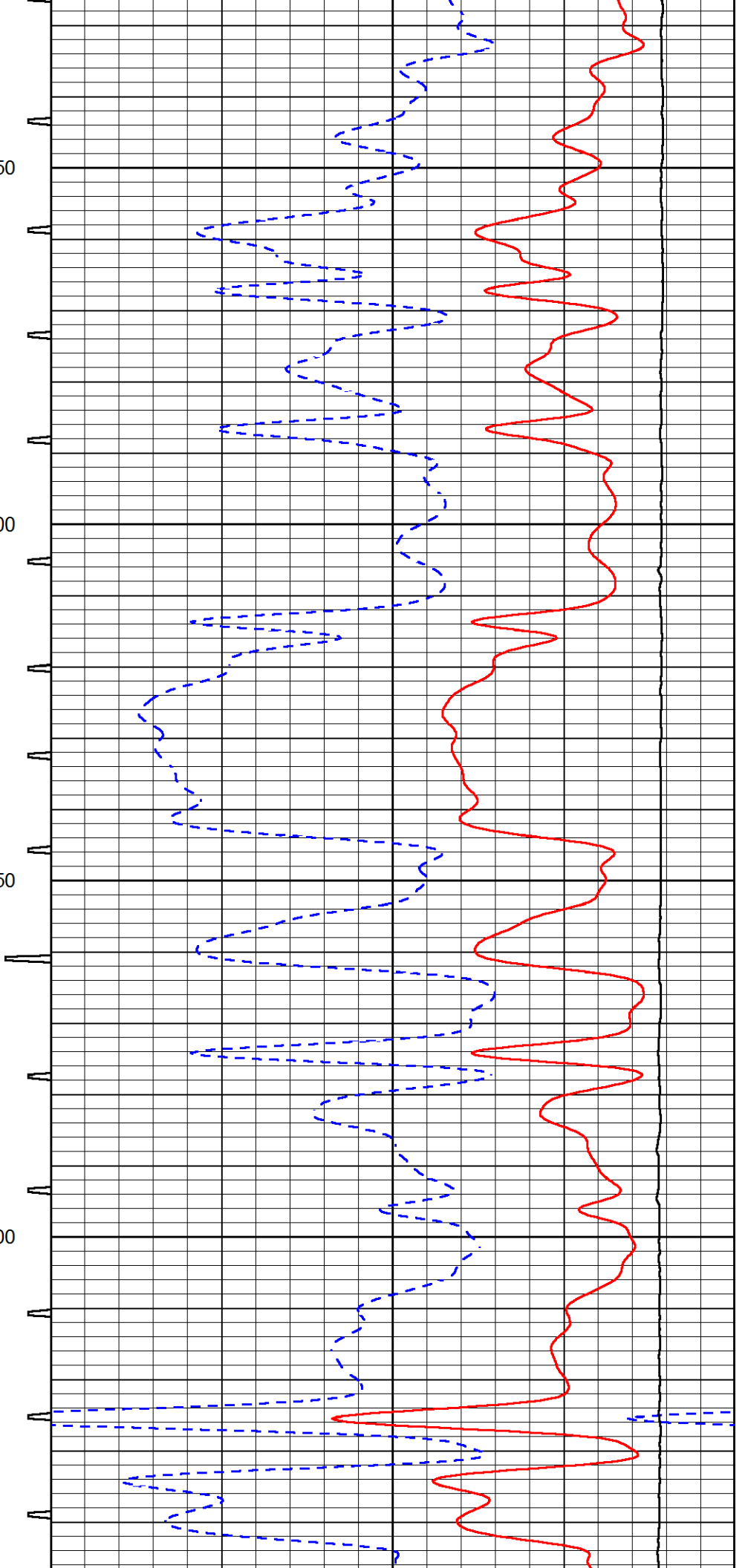


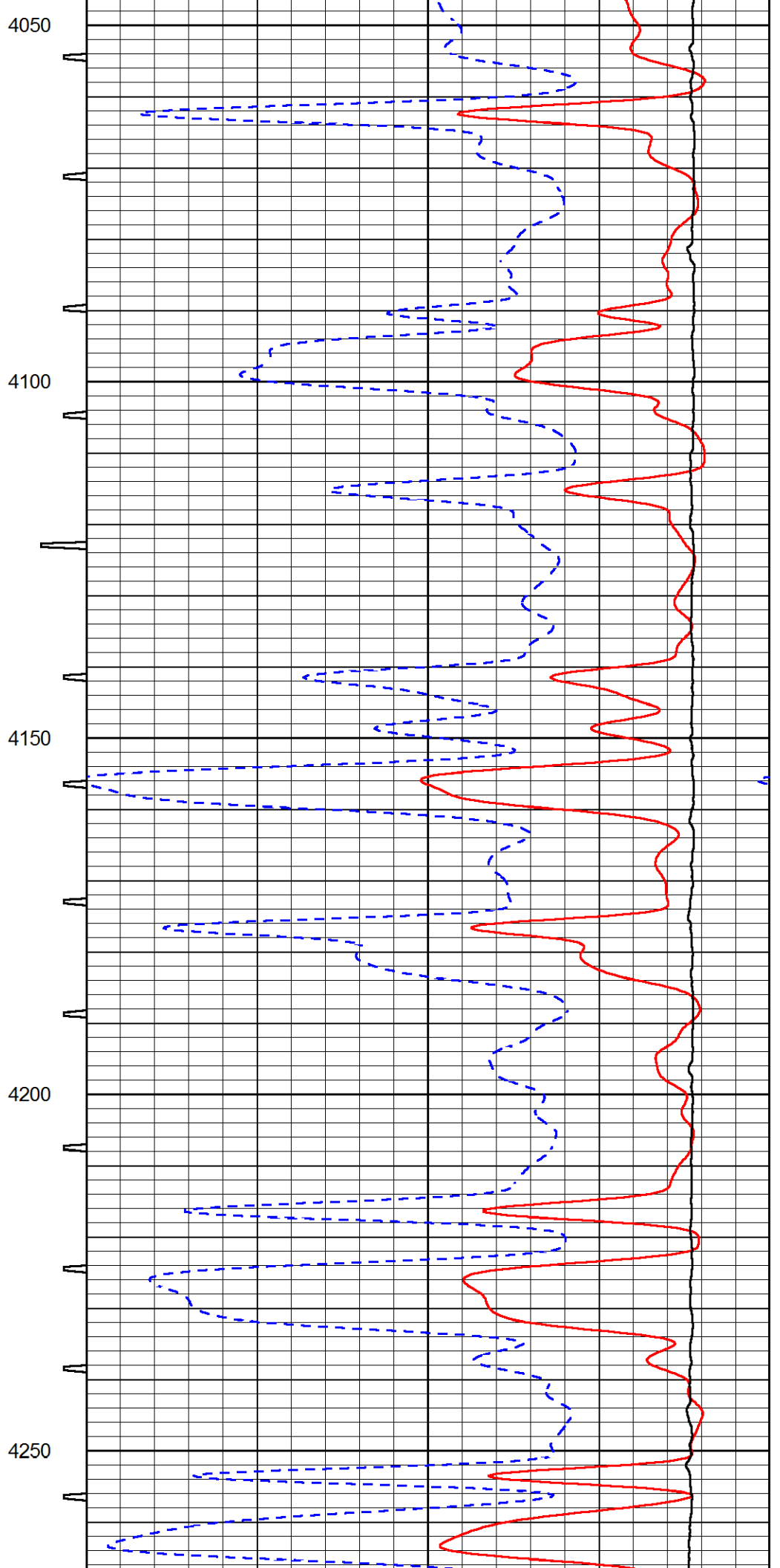
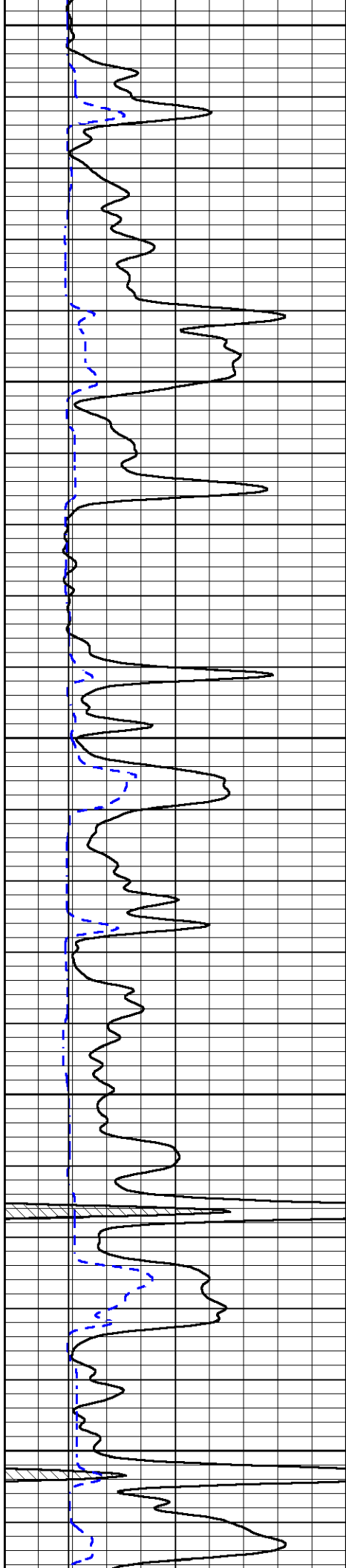
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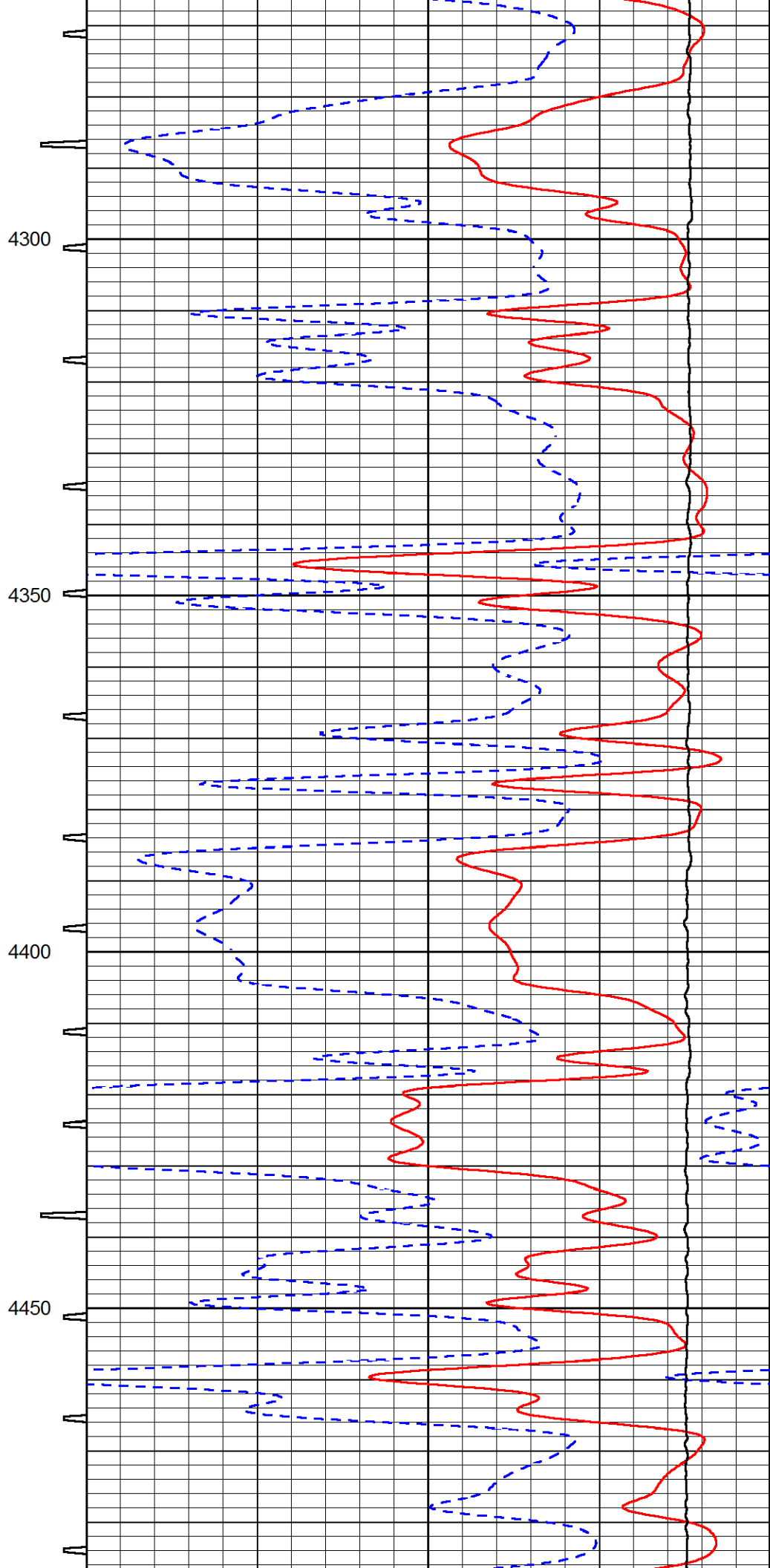
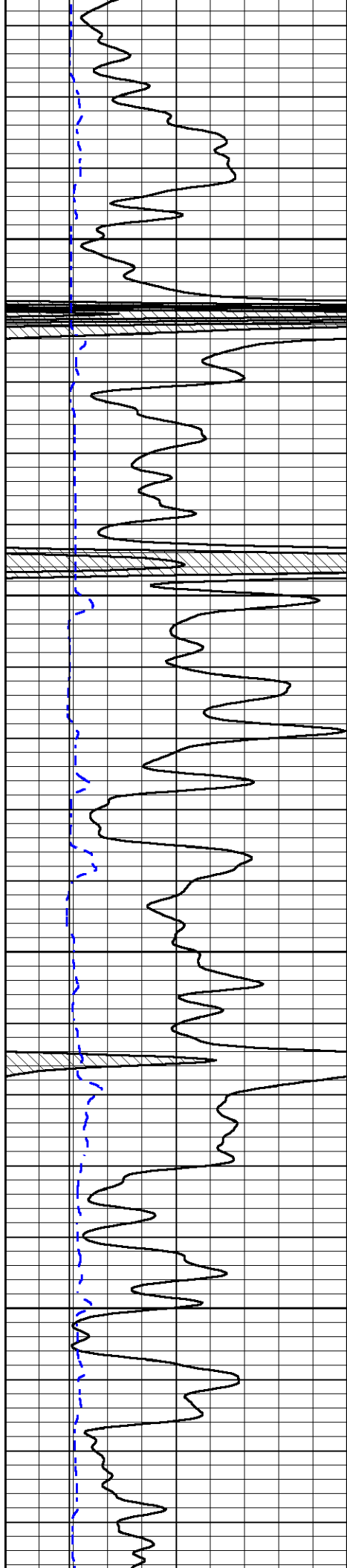
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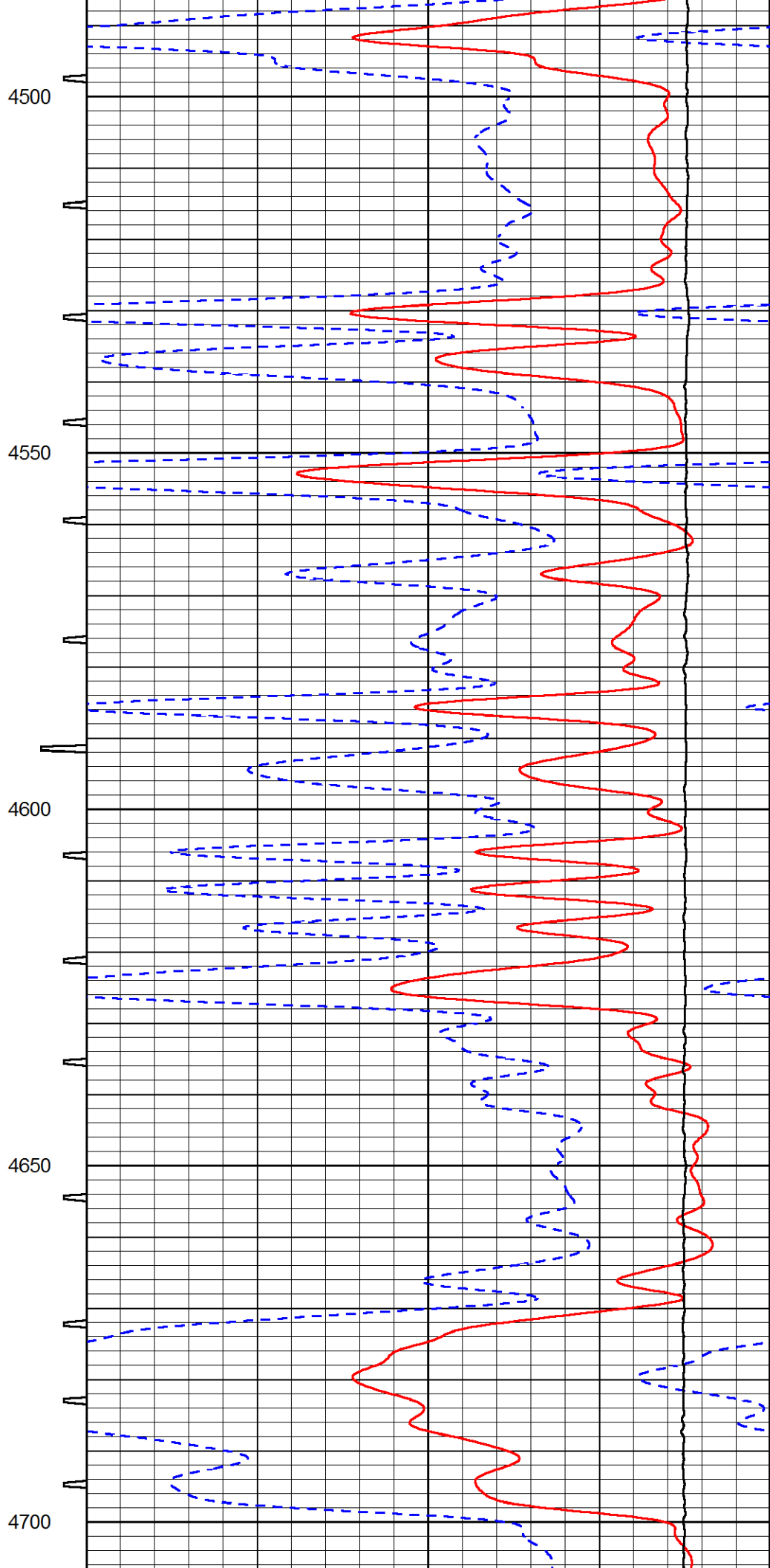
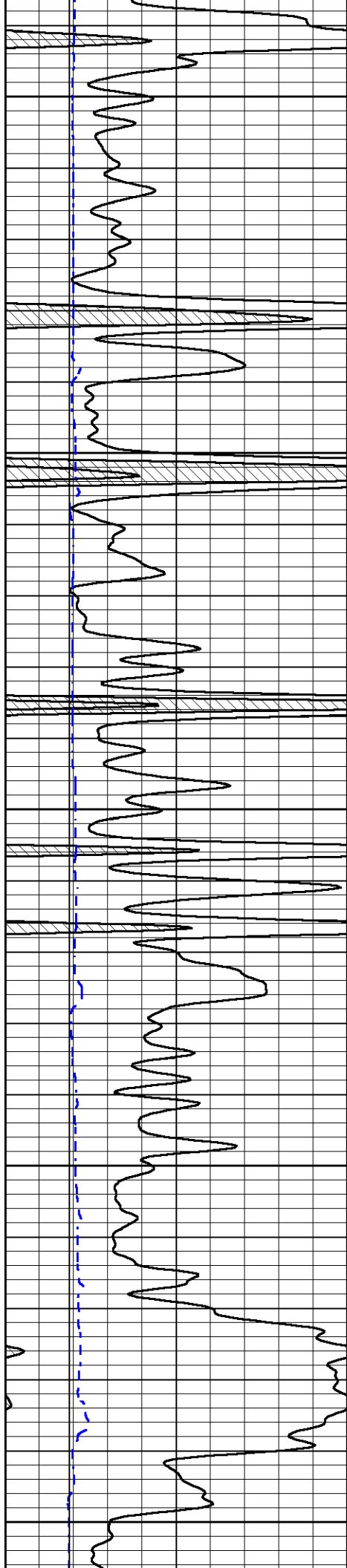
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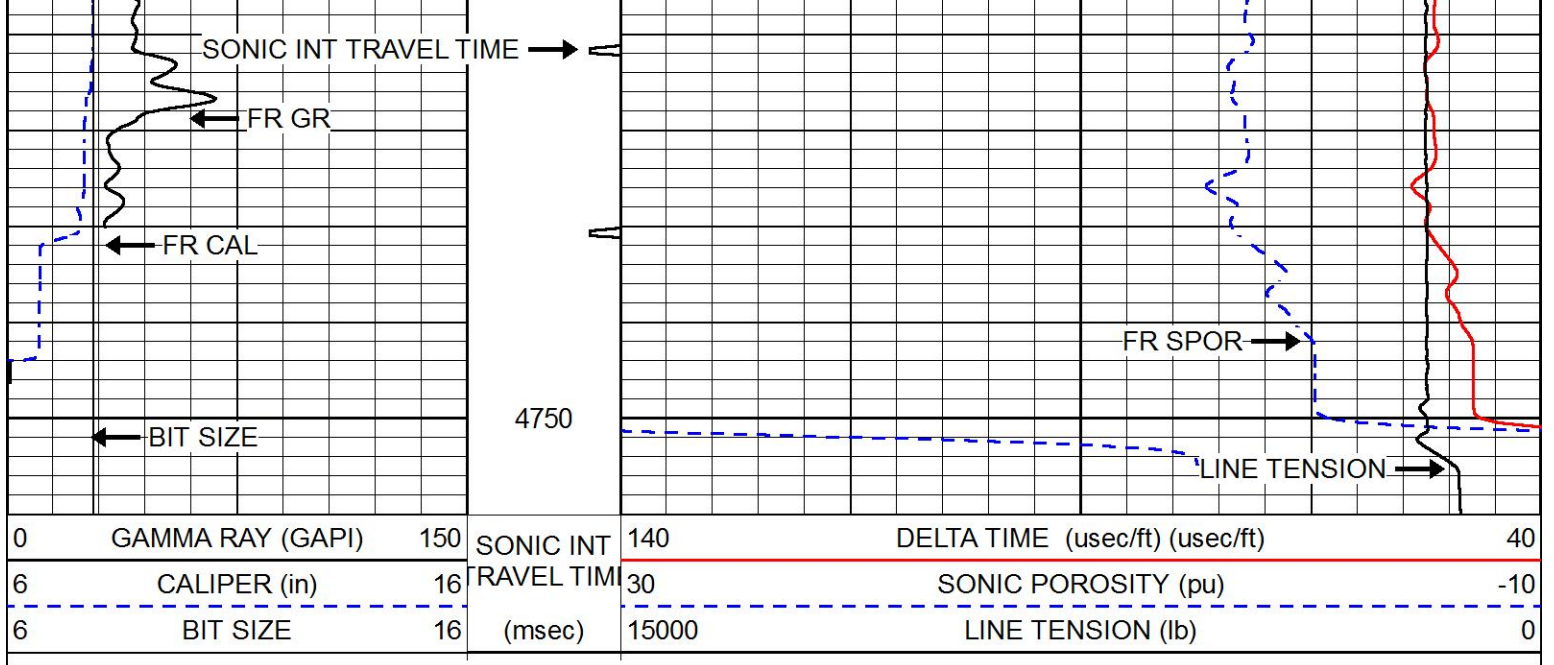
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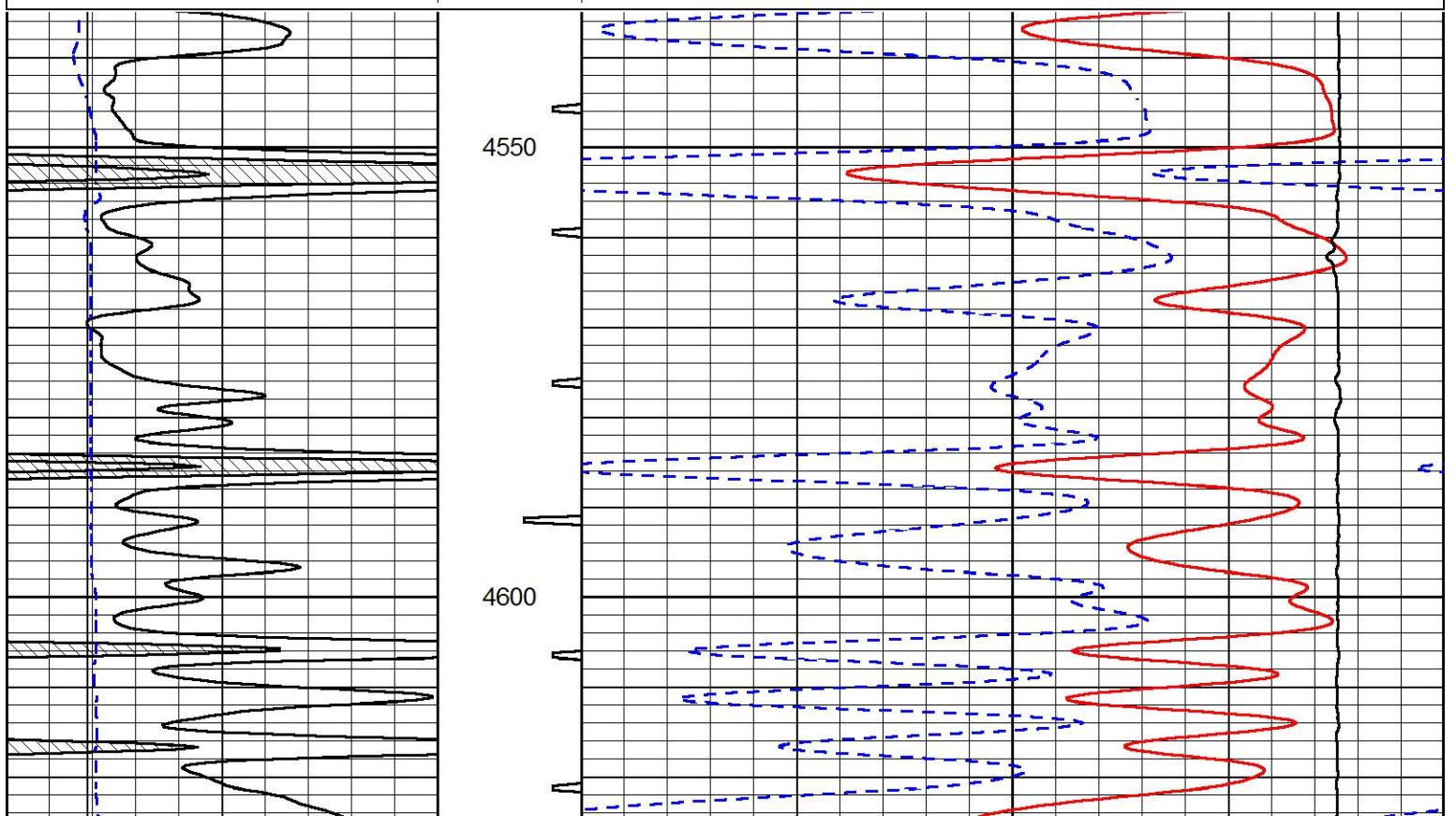


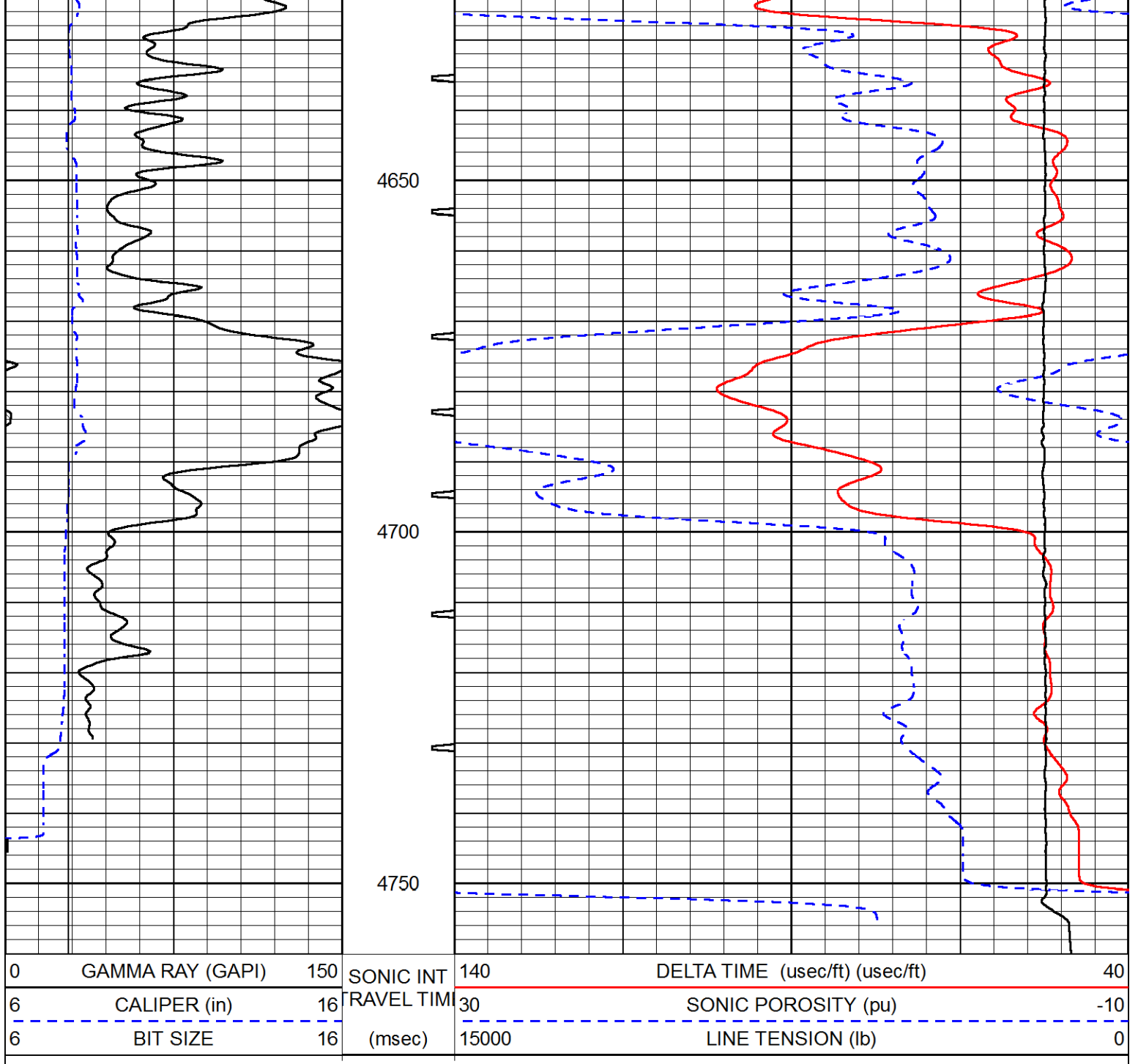


REPEAT SECTION

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2.1
 Presentation Format sonic
 Dataset Creation Thu Oct 27 09:49:41 2016
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	RAVEL TIM	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0





Calibration Report

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2
 Dataset Creation Thu Oct 27 08:49:12 2016

Dual Induction Calibration Report

Serial-Model: 1987-M&W
 Calibration Performed: Tue Aug 30 16:23:58 2016

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop	mmho/m	Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.530	-36.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.440	-110.500

Compensated Density Calibration Report

Serial-Model: 71-914-M&W
 Source / Verifier: /
 Master Calibration Performed: Fri Oct 07 08:39:26 2016

Master Calibration

	<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>	
Magnesium	1.755	g/cc	4314.49	5307.52	cps
Aluminum	2.675	g/cc	822.19	3456.36	cps
	Spine Angle = 75.49		Density/Spine Ratio = 0.537		
	<u>Size</u>		<u>Reading</u>		
Small Ring	4.00	in	1.16		
Large Ring	14.00	in	1.57		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Sat Oct 1 10:01:53 2016

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-M&W
 Tool Model: M&W
 Calibration Performed: Fri Sep 30 22:06:47 2016

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps



PIONEER
 Pioneer Energy Services

Company STRATAKAN EXPLORATION, LLC
 Well JANICE NO. 8-1
 Field WILDCAT
 County LOGAN
 State KANSAS



PIONEER
Pioneer Energy Services

**DUAL INDUCTION
LOG**

Company STRATAKAN EXPLORATION, LLC
Well JANICE NO. 8-1
Field WILDCAT
County LOGAN State KANSAS

Company STRATAKAN EXPLORATION, LLC
Well JANICE NO. 8-1
Field WILDCAT
County LOGAN
State KANSAS

Location: API #: 15-109-21483-00-00
330' FSL & 2,084' FEL
SEC 8 TWP 12S RGE 33W
Permanent Datum GROUND LEVEL Elevation 3137'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
MEL/BHCS
Elevation
K.B. 3142'
D.F. N/A
G.L. 3137'

Date	10/27/2016
Run Number	ONE
Depth Driller	4755'
Depth Logger	4754'
Bottom Logged Interval	4753'
Top Log Interval	200'
Casing Driller	8.625" @ 220'
Casing Logger	220'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	8500
Density / Viscosity	9.6 47
pH / Fluid Loss	9.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.47 @ 62
Rmt @ Meas. Temp	.35 @ 62
Rmc @ Meas. Temp	.63 @ 62
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.24 @ 124
Operating Rig Time	4 HOURS
Max Rec. Temp. F	124 DEG F.
Equipment Number	108
Location	COLBY
Recorded By	J. LONG
Witnessed By	MARC DOWNING

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer 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.
MONUMENT, 1 EAST TO 360 ROAD, 7 1/2 SOUTH TO WAGON ROAD, 1/4 WEST,
NORTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

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


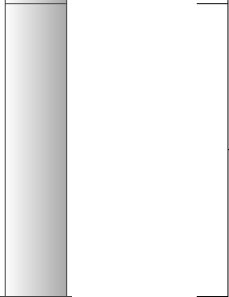
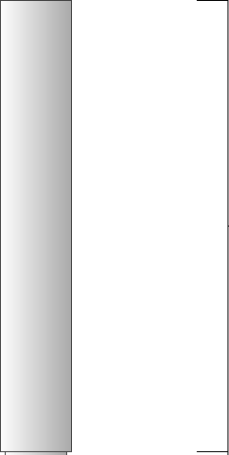

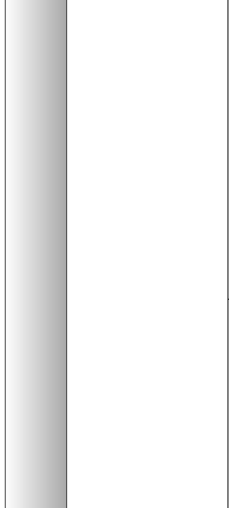
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: MARC DOWNING
Operator: C. PFEIFER	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\stratakanexploration_janice_8-1.db
 Dataset field/well/stack/pass3.16/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	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	-330	55	Off	4754

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	33.00		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	29.90 29.15		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	20.85 20.83 20.35		CDL-M&W (71-914)	8.50	4.00	250.00
RLL3 RLL3F	15.80 15.79					
CILD	8.00		DIL-M&W (1987)	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: stratakanexploration_janice_8-1.db: field/well/stack/pass3
 Total length: 35.50 ft
 Total weight: 620.00 lb
 O.D.: 4.00 in



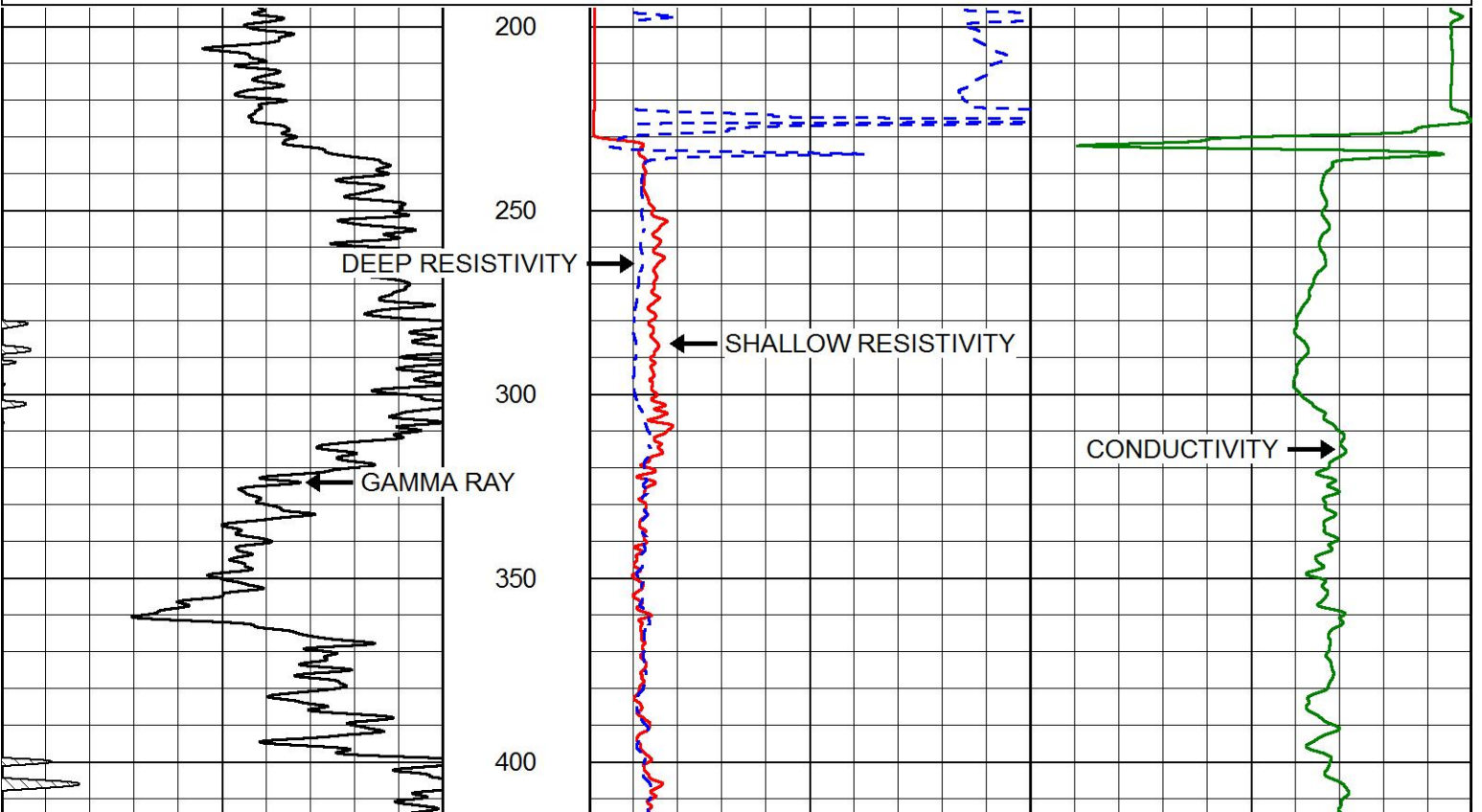
MAIN PASS

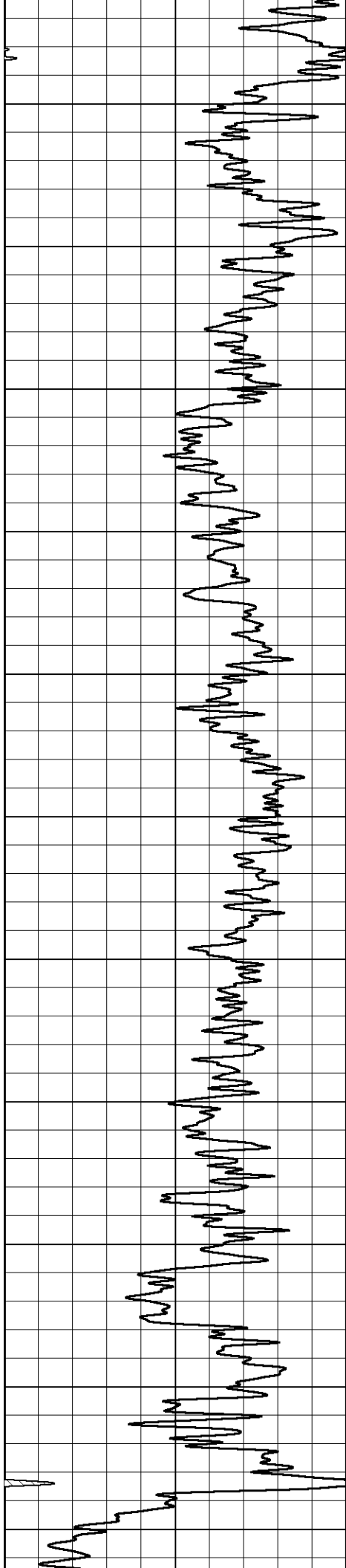
2" SCALE RESISTIVITY

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass3.2
 Presentation Format dil2in
 Dataset Creation Thu Oct 27 10:26:35 2016
 Charted by Depth in Feet scaled 1:600

0 GAMMA RAY (GAPI) 150 1000 CONDUCTIVITY (mmho/m) 0

SHALLOW RESISTIVITY		
0	(Ohm-m)	50
DEEP RESISTIVITY (Ohm-m) 50		
SHALLOW RESISTIVITY		
50	(Ohm-m)	500
DEEP RESISTIVITY		
50	(Ohm-m)	500





450

500

550

600

650

700

750

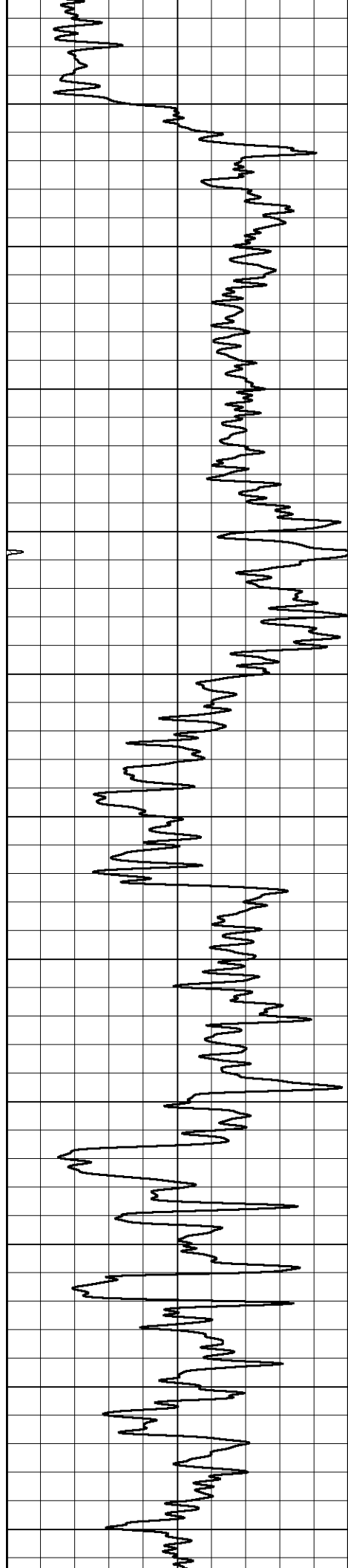
800

850

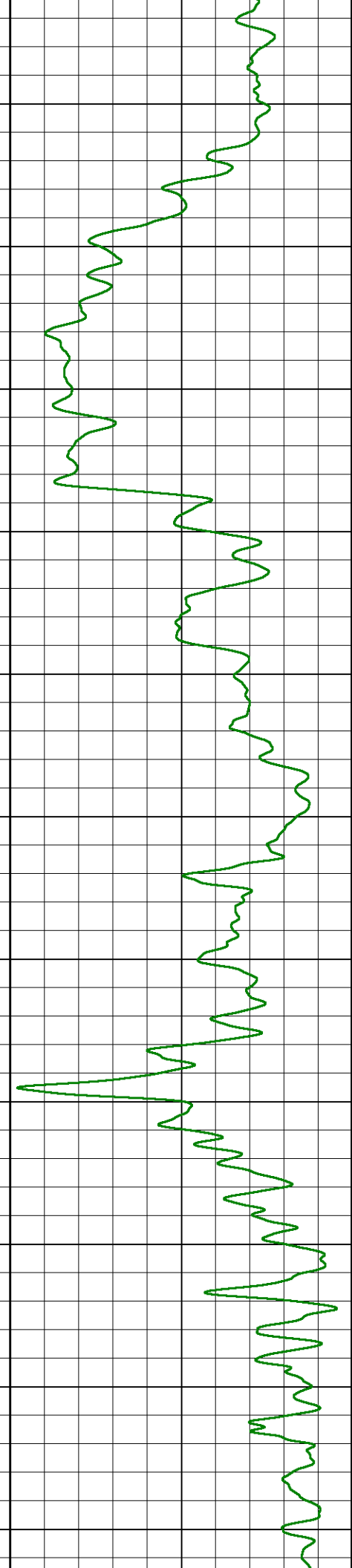
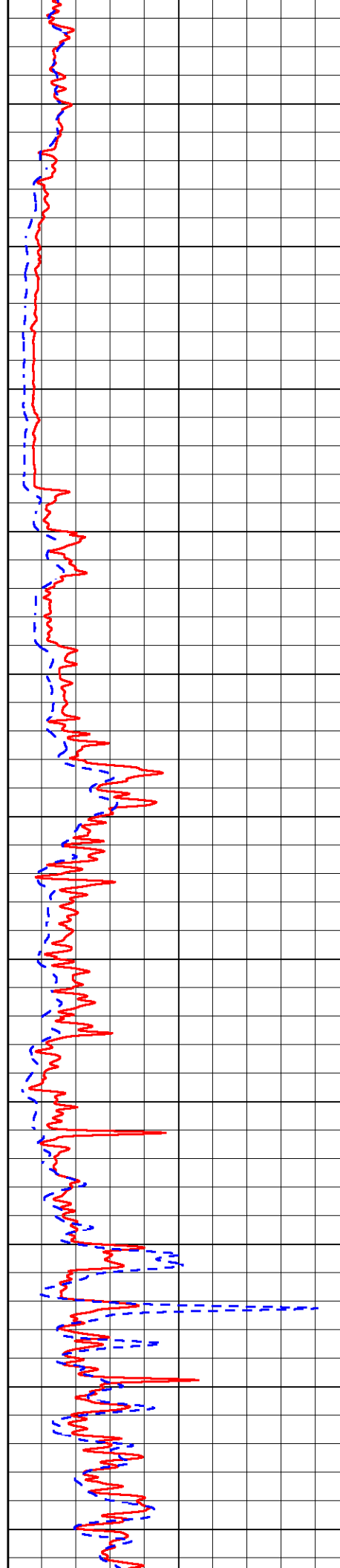
900

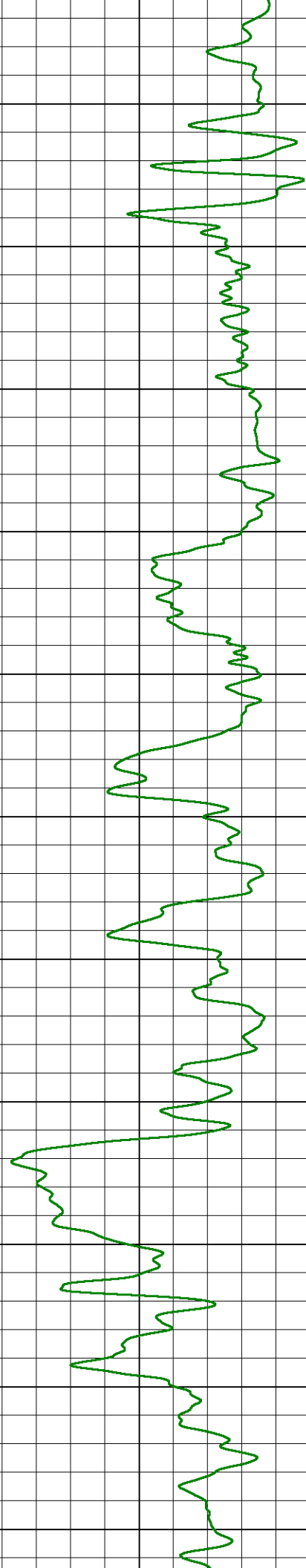
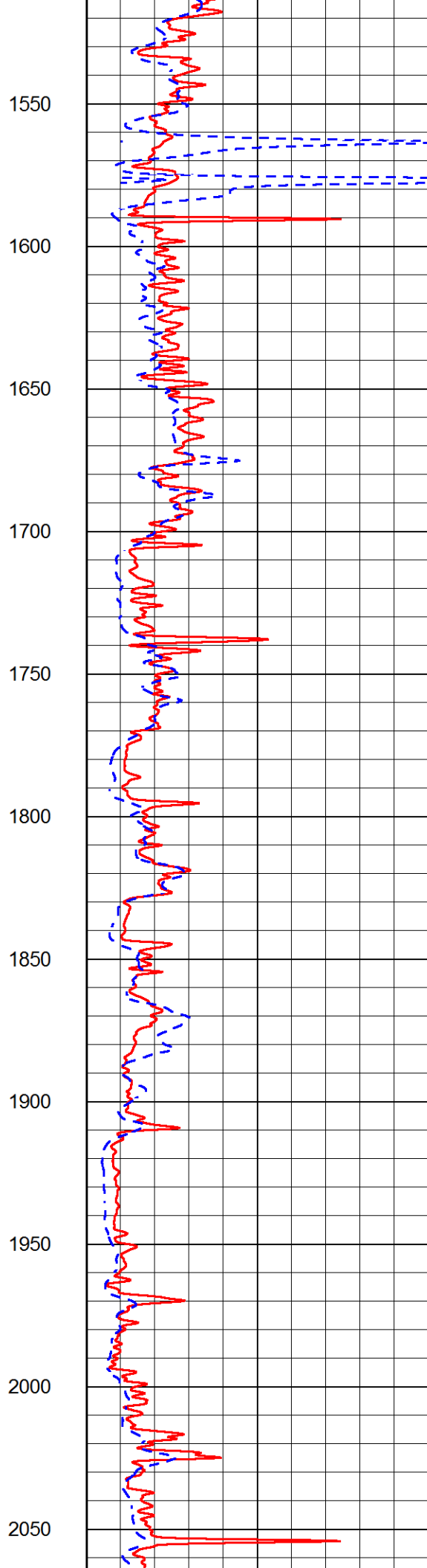
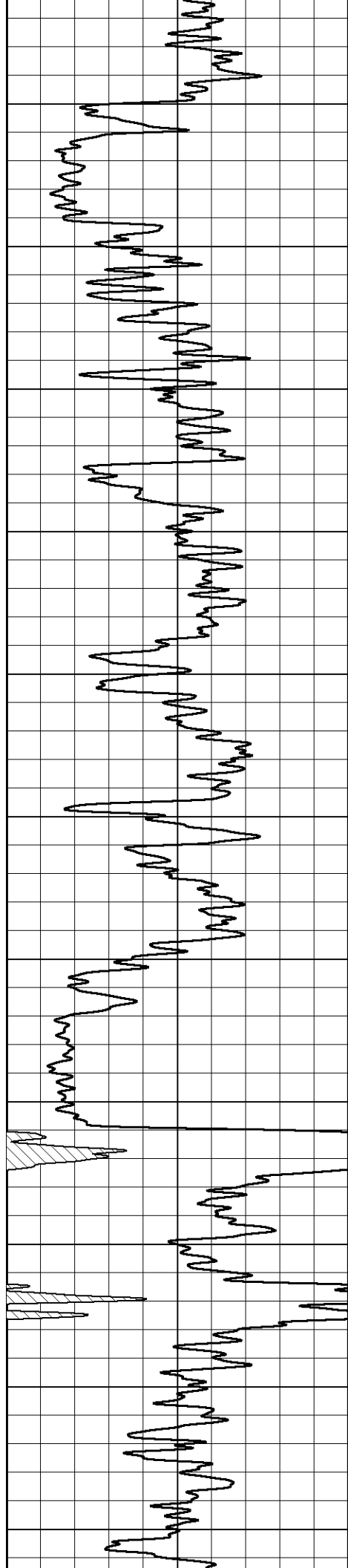
950

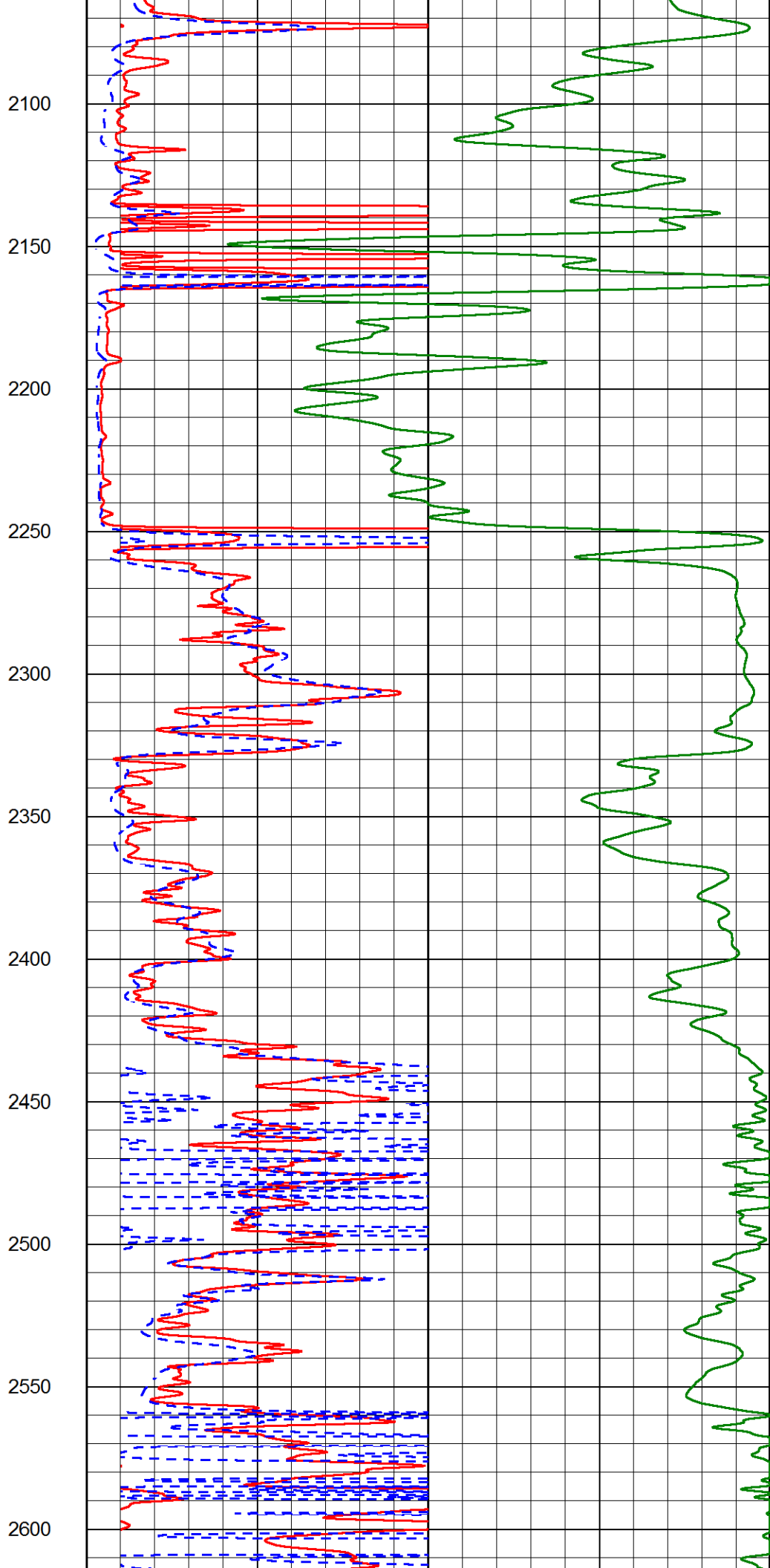
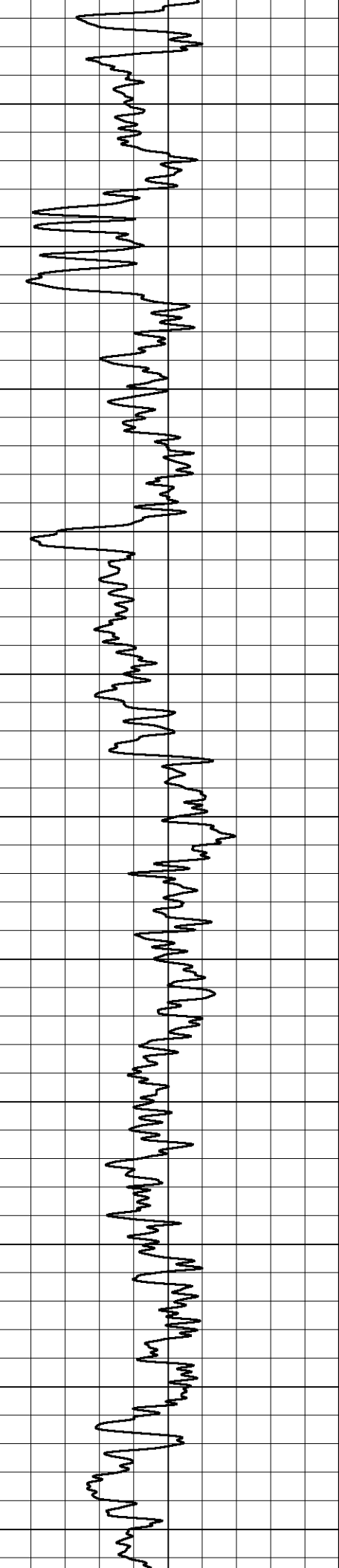


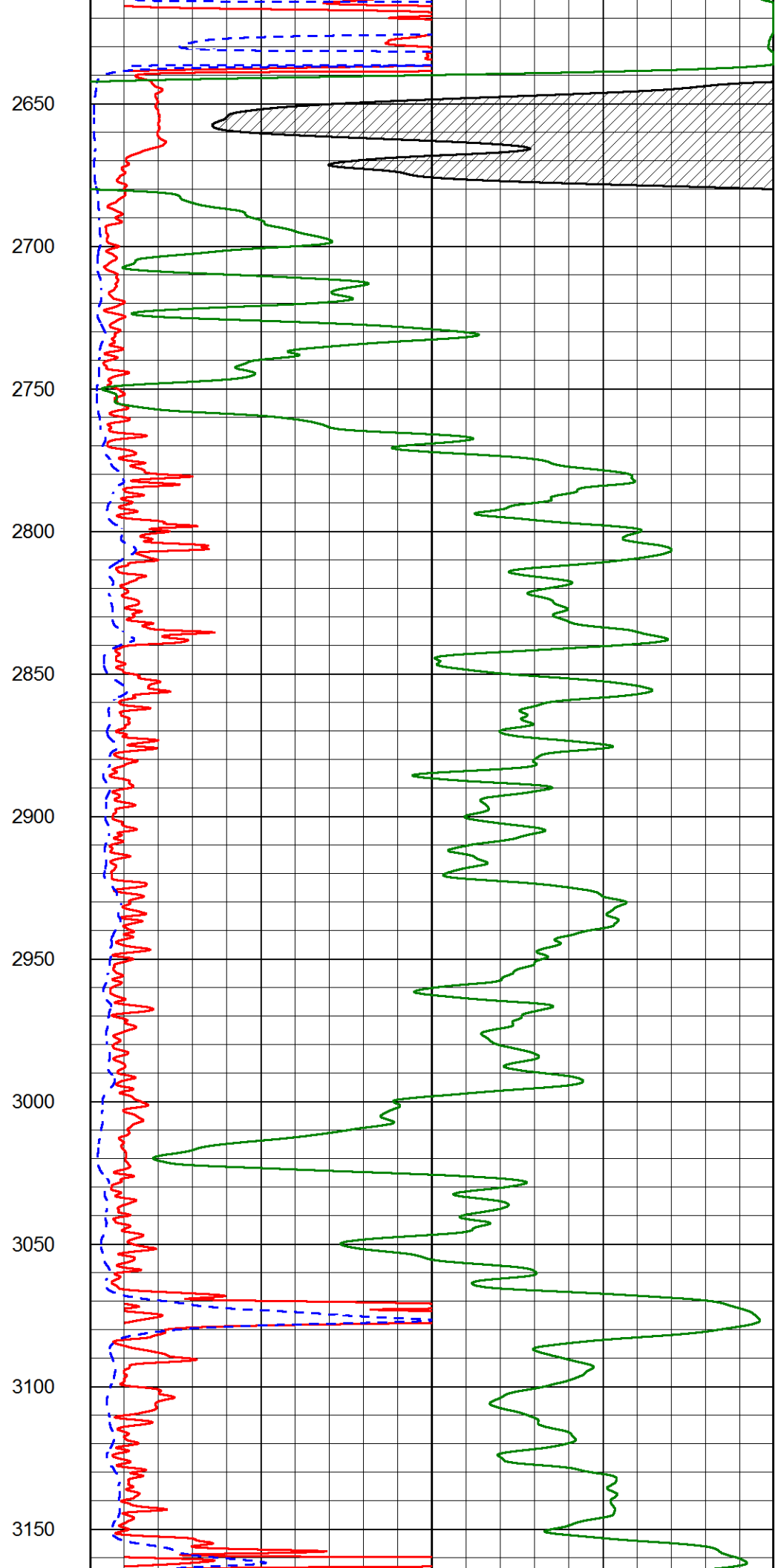
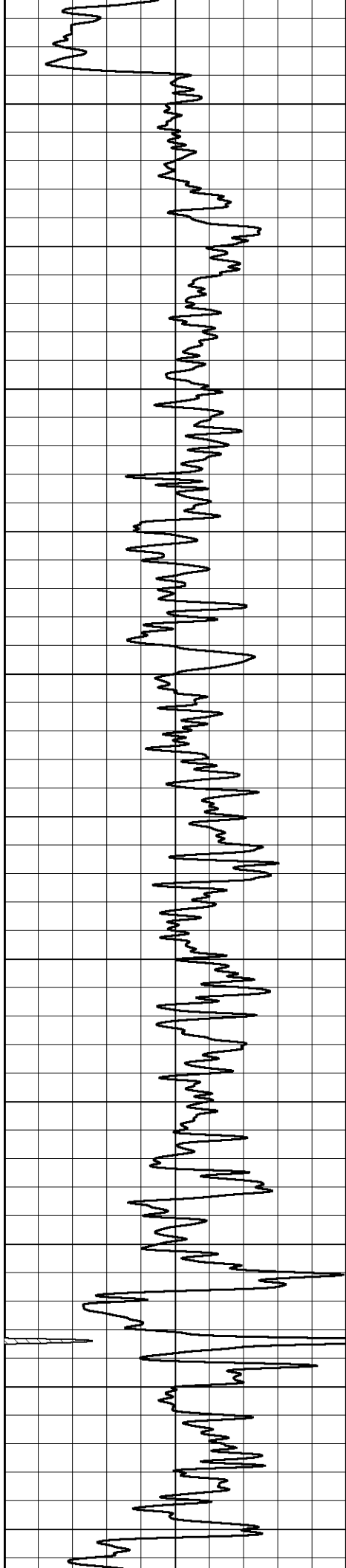


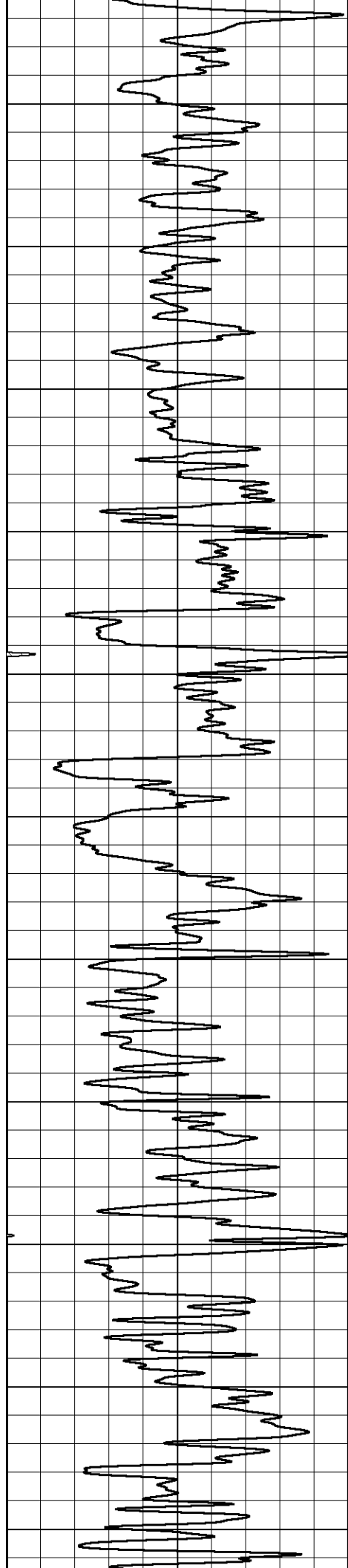
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500











3200

3250

3300

3350

3400

3450

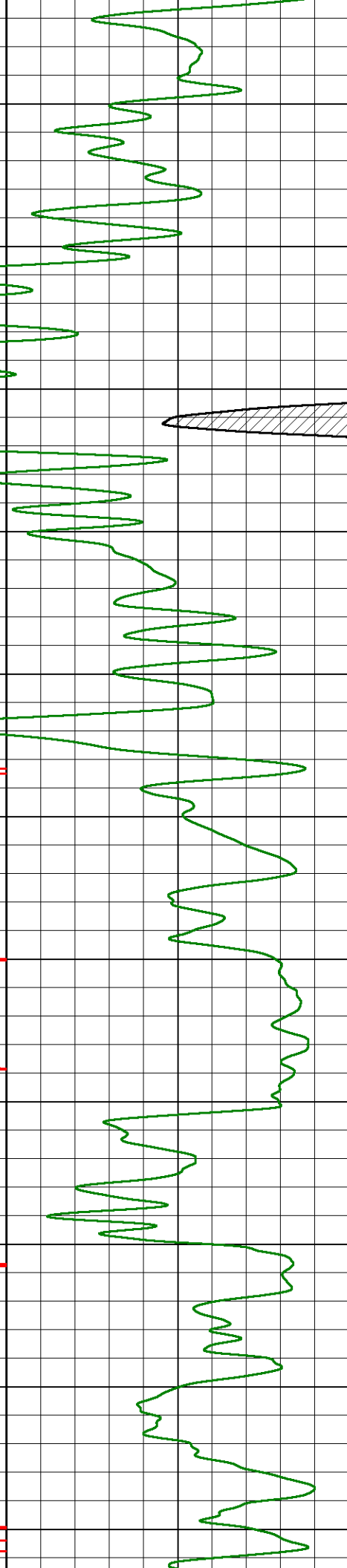
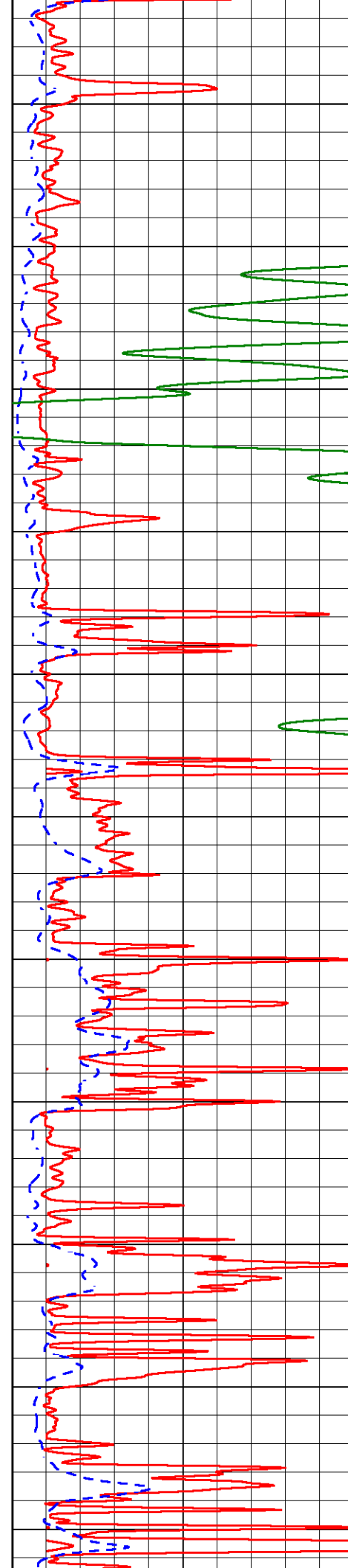
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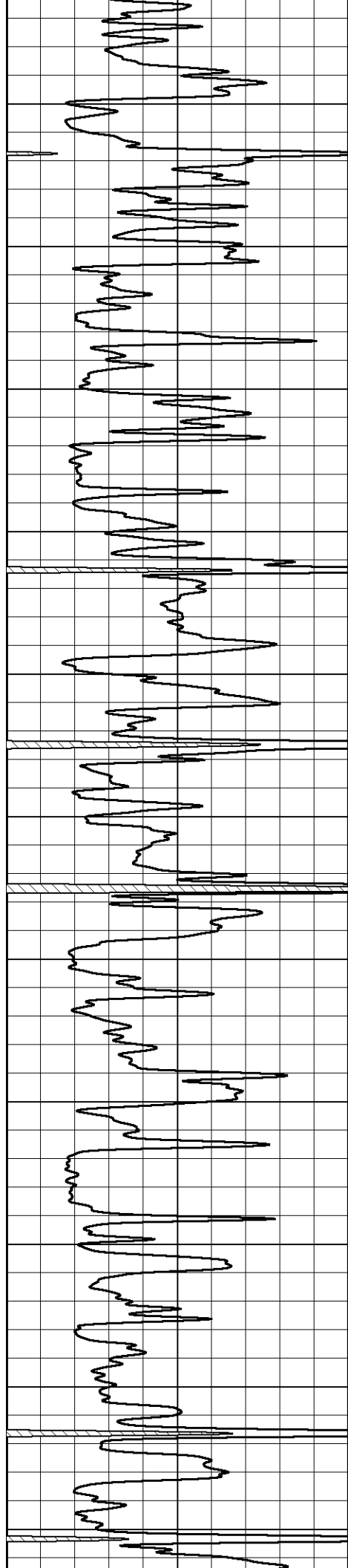
3550

3600

3650

3700





3750

3800

3850

3900

3950

4000

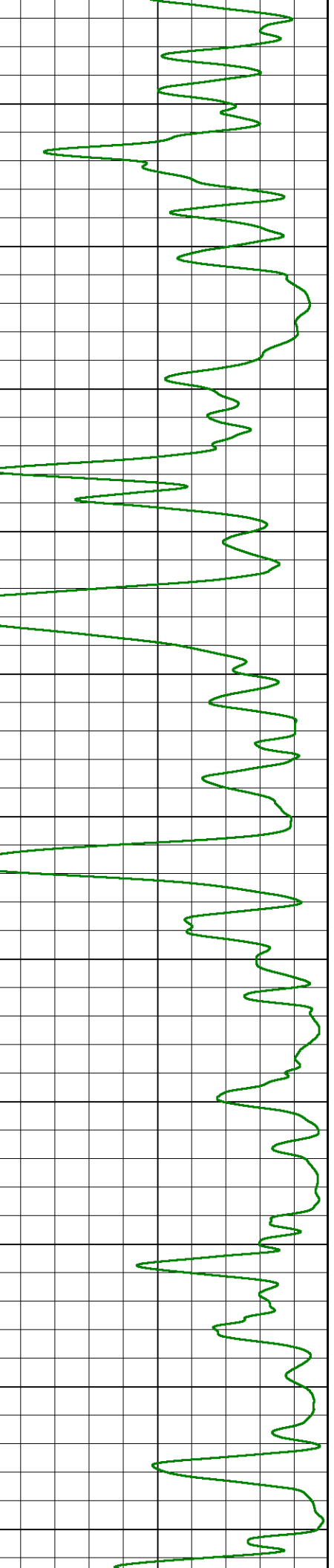
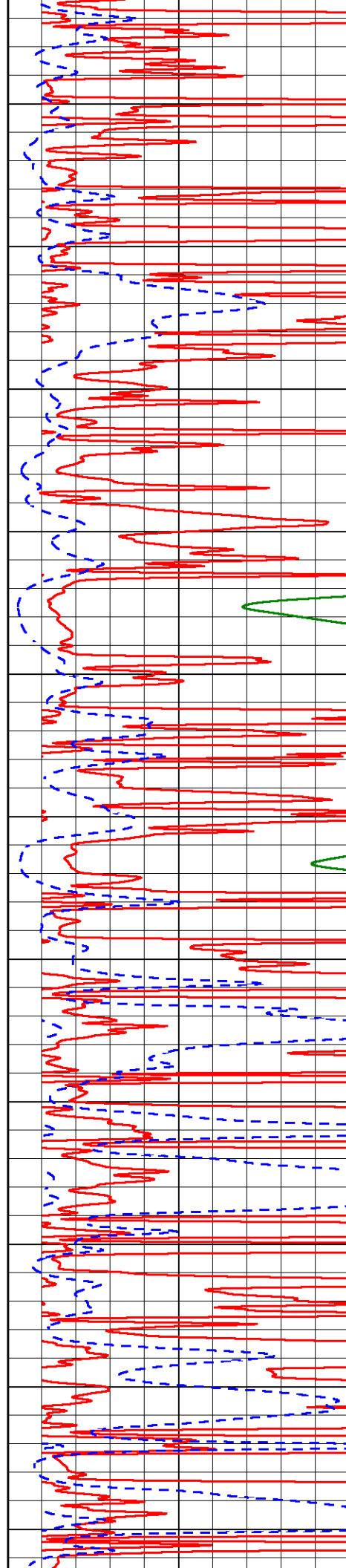
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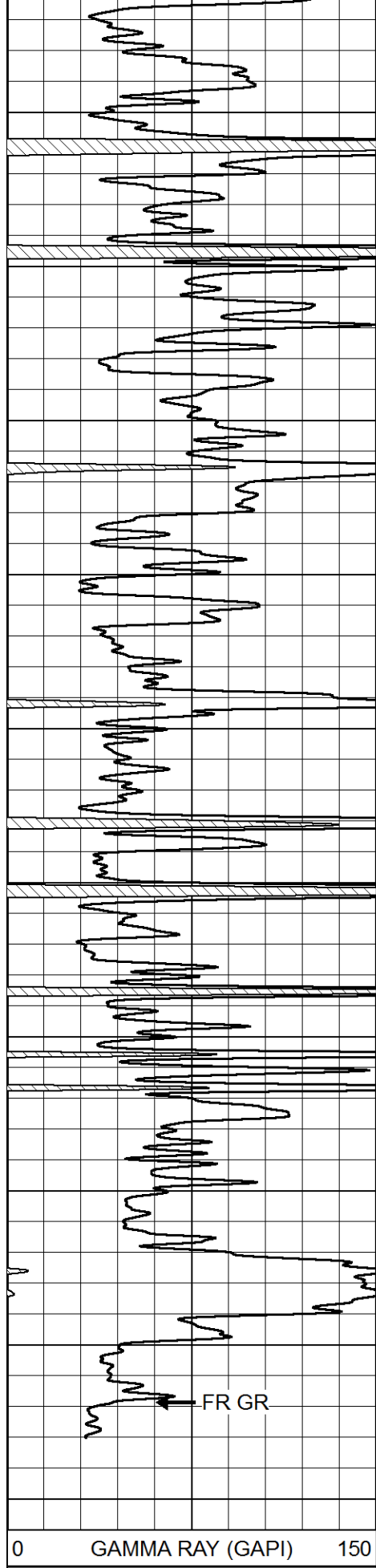
4100

4150

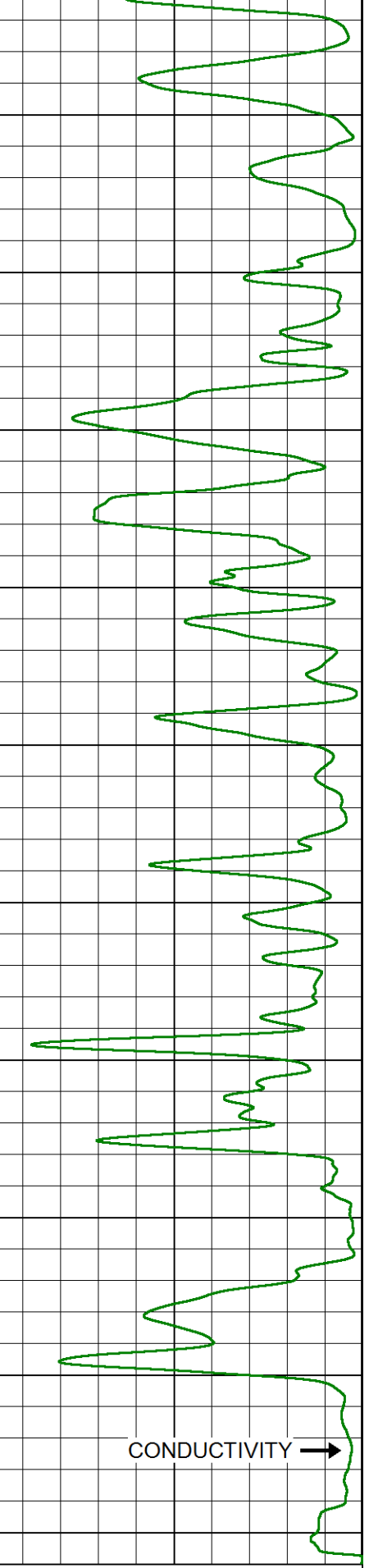
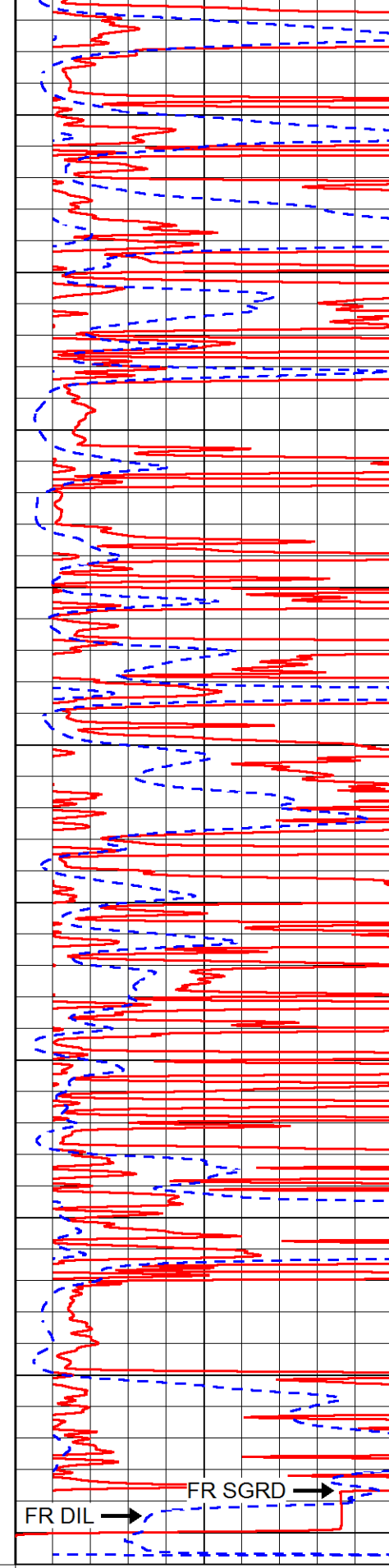
4200

4250





4300
4350
4400
4450
4500
4550
4600
4650
4700
4750



0 GAMMA RAY (GAPI) 150

1000 CONDUCTIVITY (mmho/m) 0

SHALLOW RESISTIVITY
0 (Ohm-m) 50

0 DEEP RESISTIVITY (Ohm-m) 50

SHALLOW RESISTIVITY

SHALLOW RESISTIVITY		
50	(Ohm-m)	500
DEEP RESISTIVITY		
50	(Ohm-m)	500



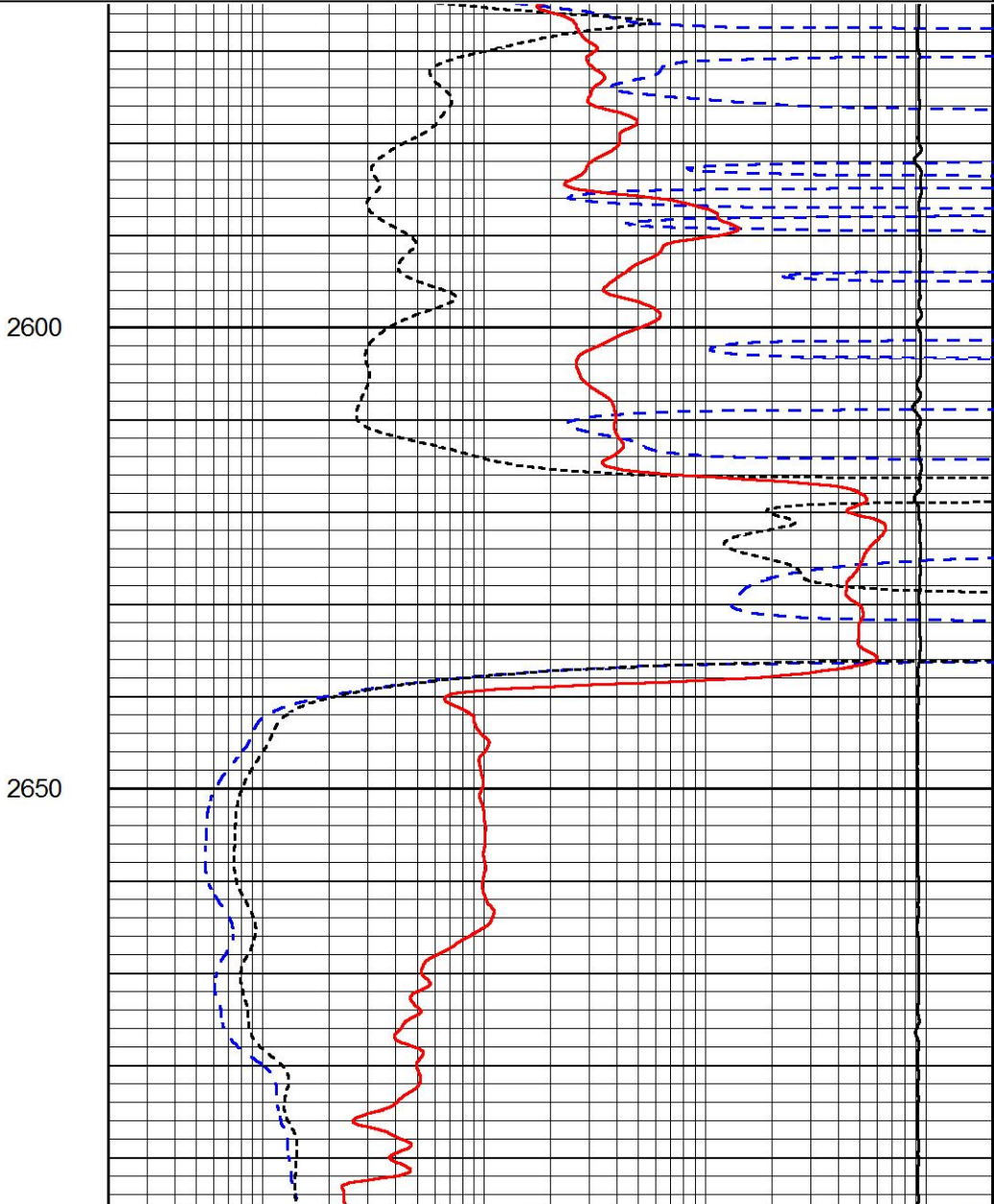
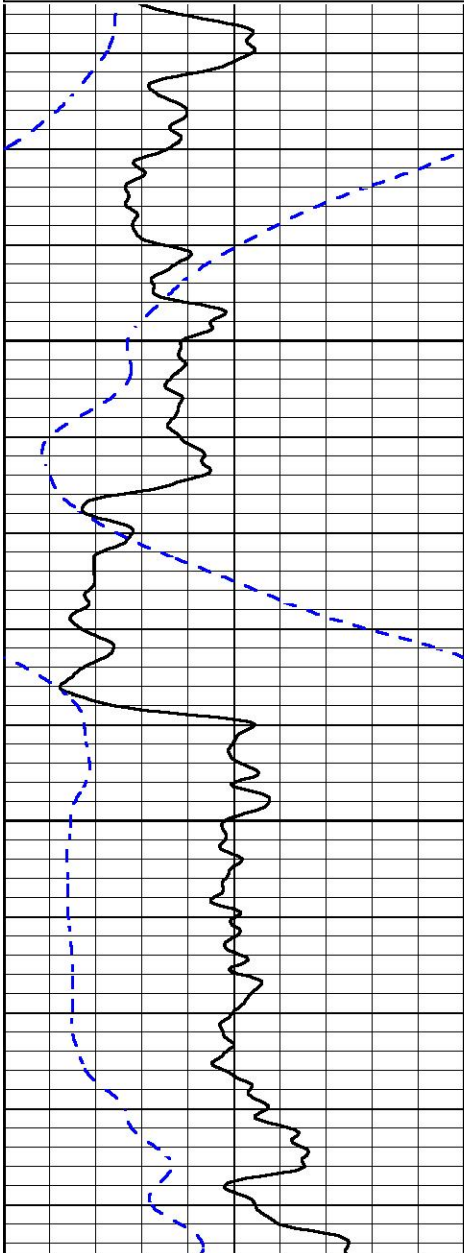
MAIN PASS

ANHYDRITE SECTION

Database File	stratakanexploration_janice_8-1.db
Dataset Pathname	stack/pass3.4
Presentation Format	dil
Dataset Creation	Thu Oct 27 10:02:56 2016
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	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0



0	GAMMA RAY (GAPI)	150
---	------------------	-----

0.2	DEEP RESISTIVITY (Ohm-m)	2000
-----	--------------------------	------

-200	SP (mV)	0
------	---------	---

0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0

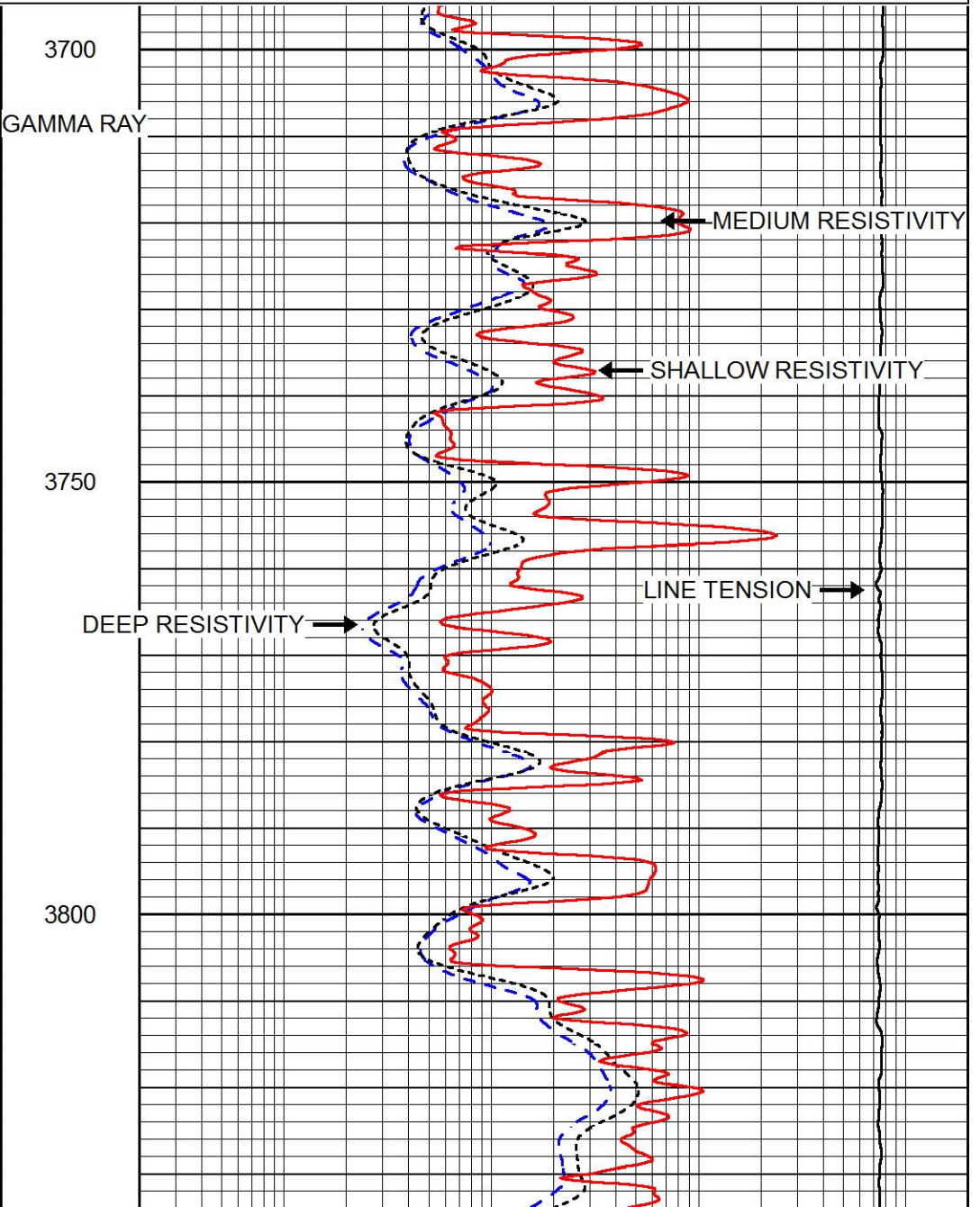
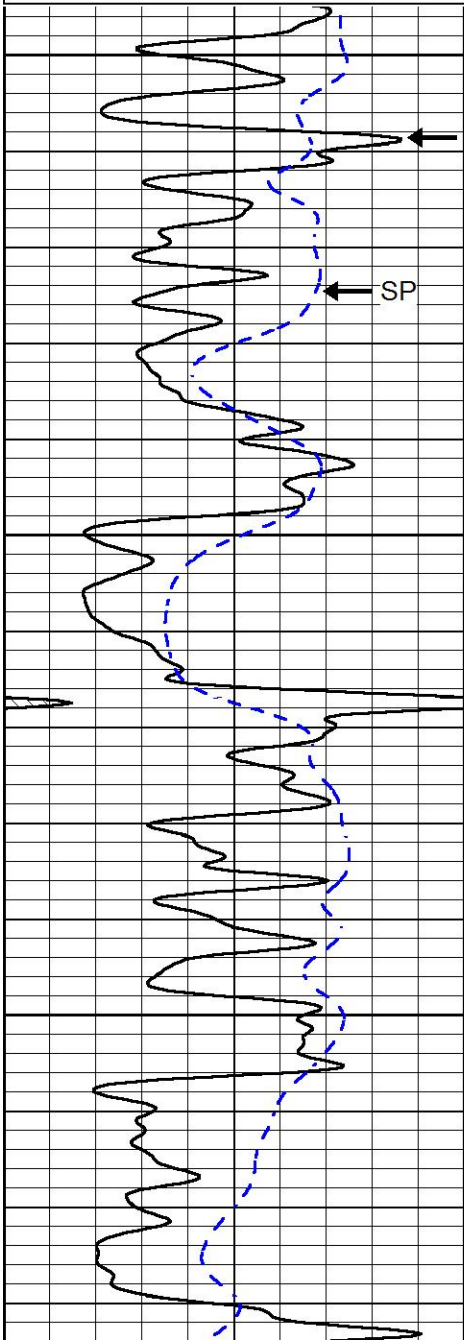


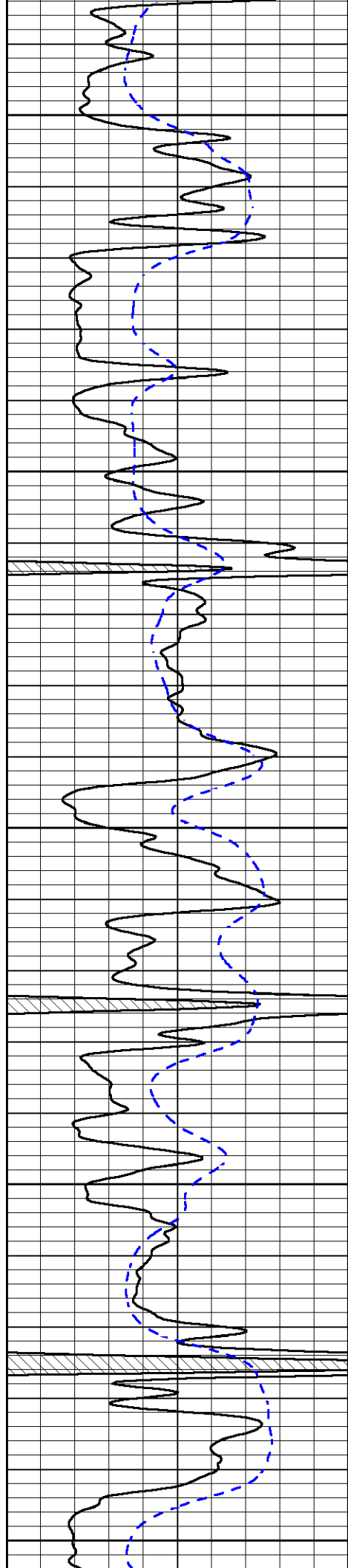
MAIN PASS

Database File	stratakanexploration_janice_8-1.db
Dataset Pathname	stack/pass3.1
Presentation Format	dil
Dataset Creation	Thu Oct 27 09:50:04 2016
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	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0





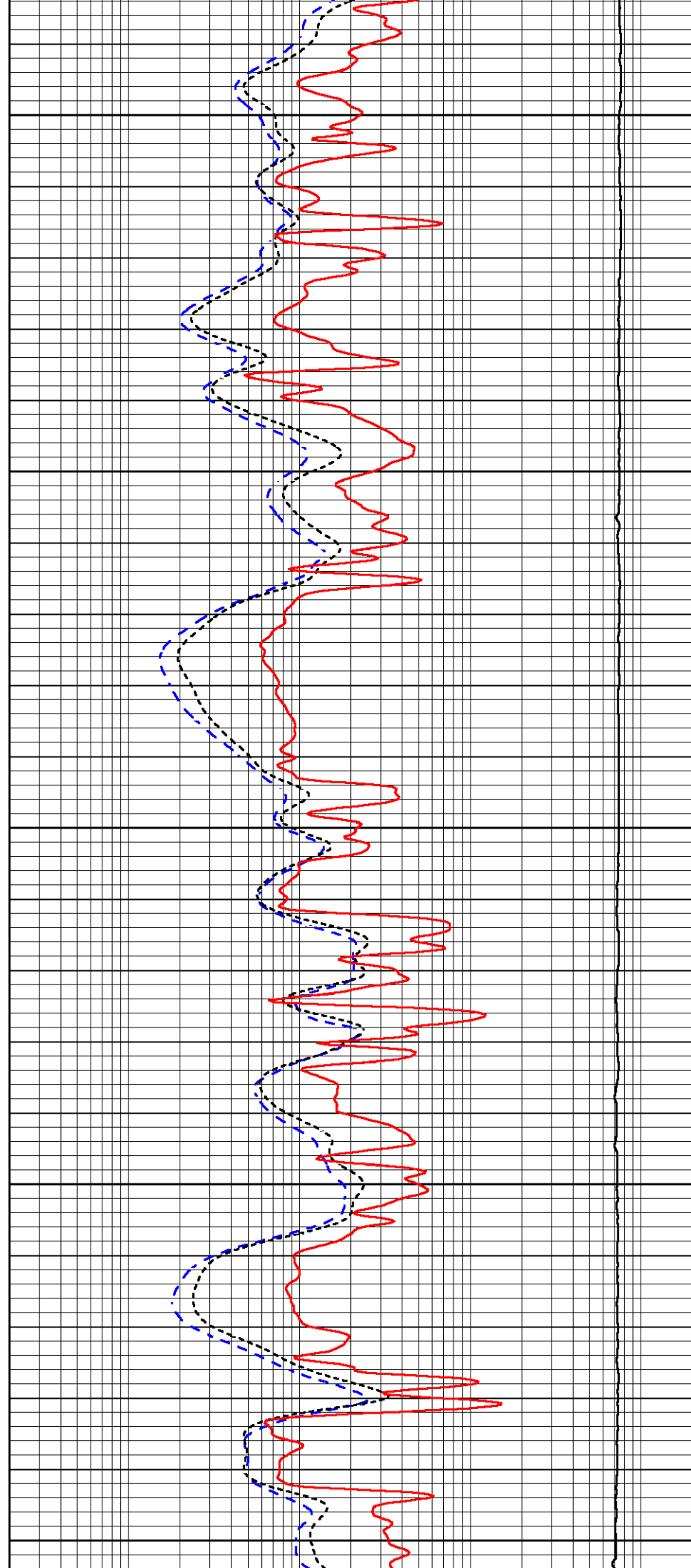
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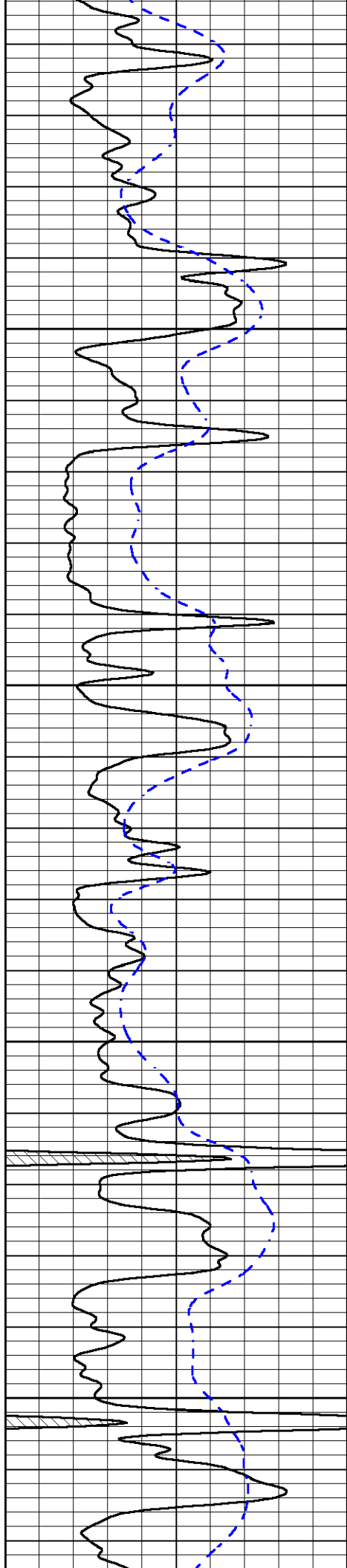
3900

3950

4000

4050



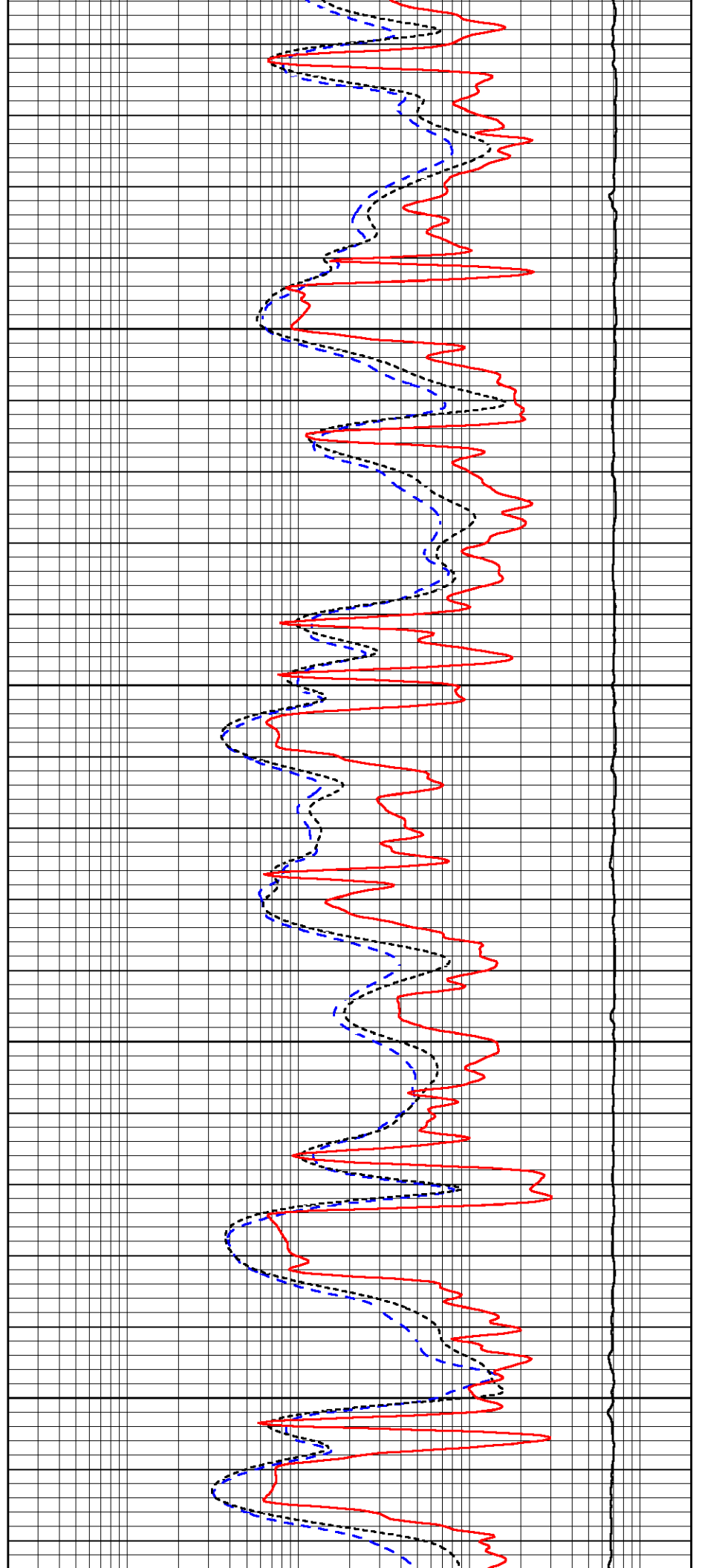


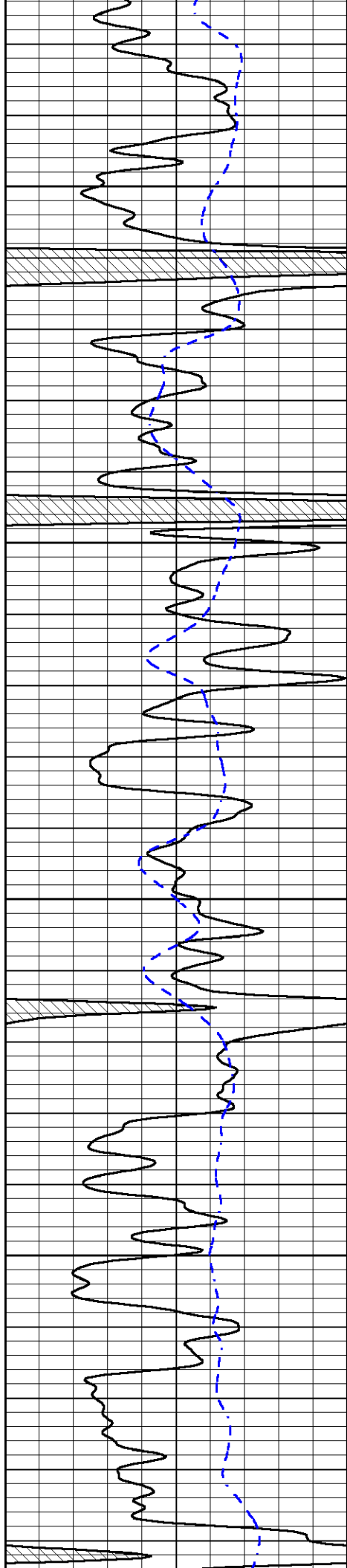
4100

4150

4200

4250



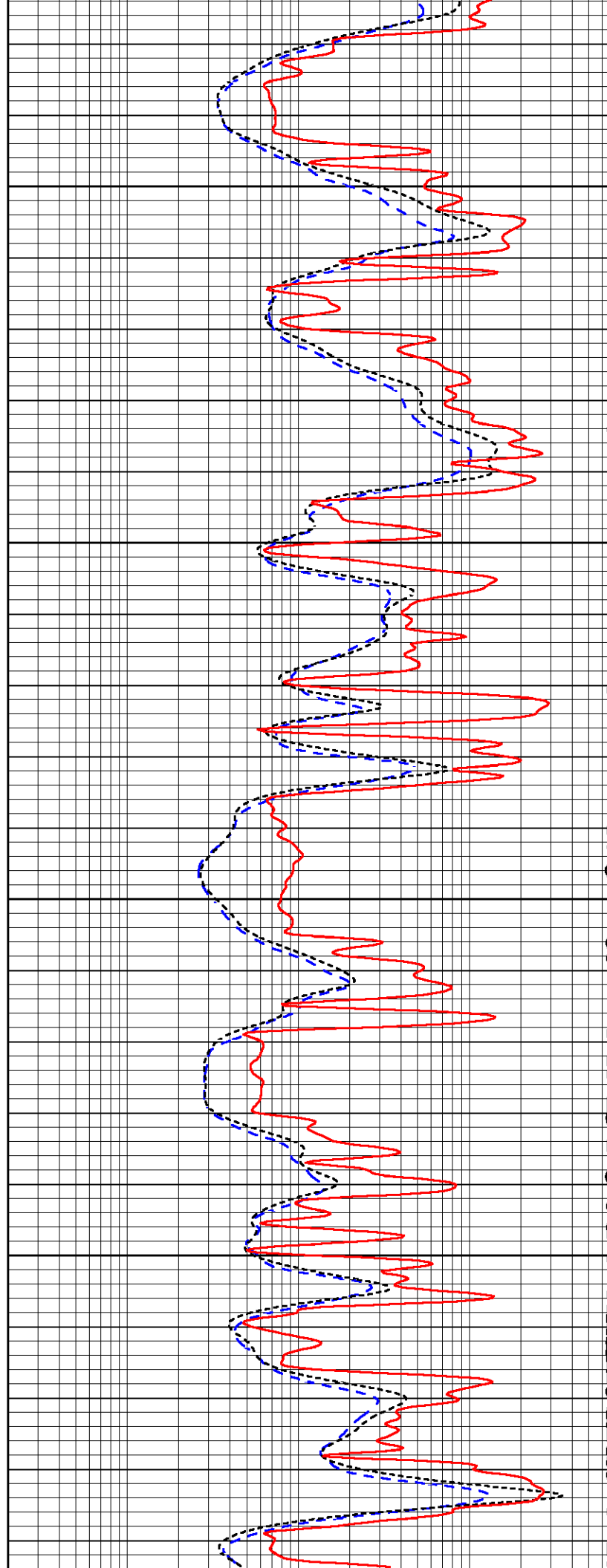


4300

4350

4400

4450

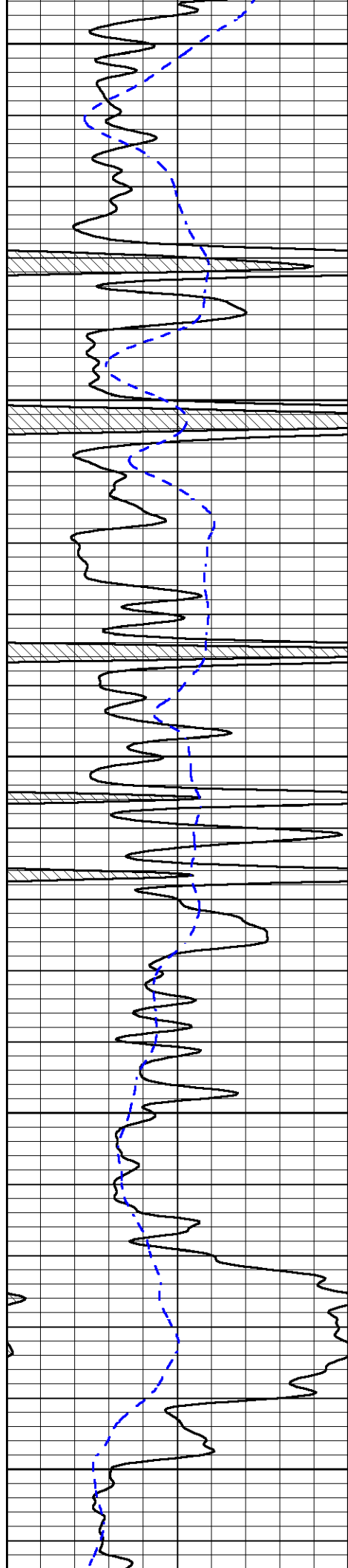


4300

4350

4400

4450



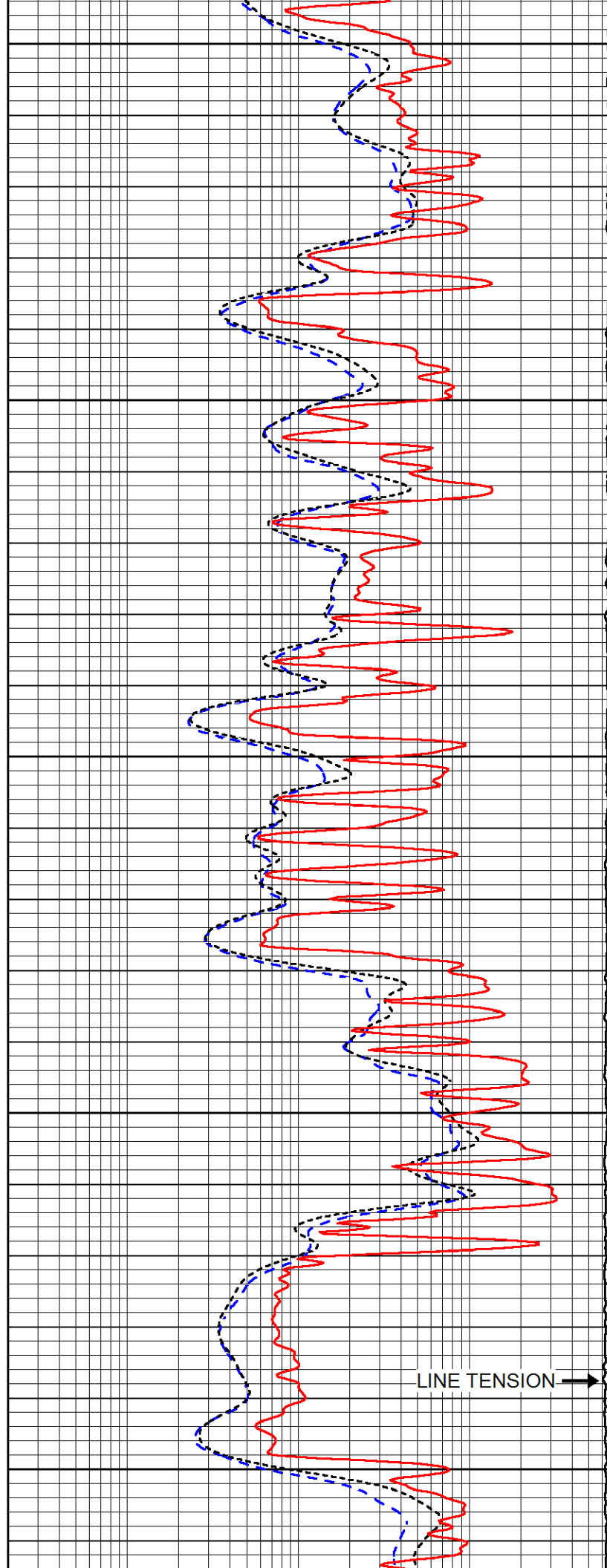
4500

4550

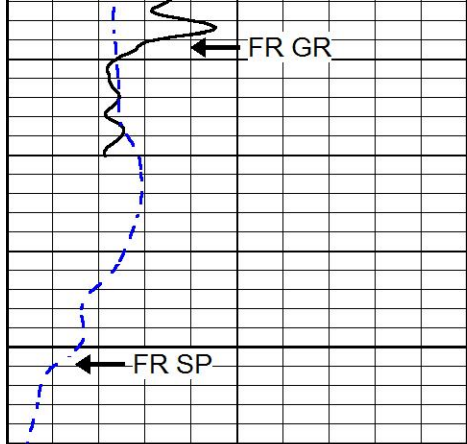
4600

4650

4700

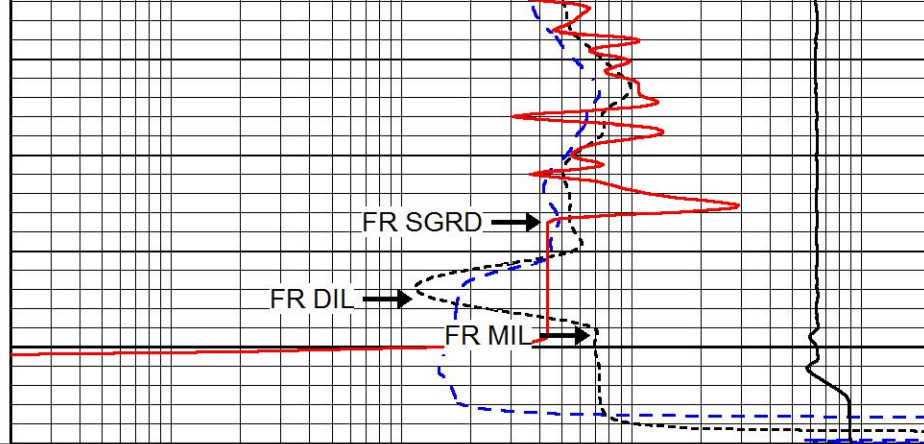


LINE TENSION →



0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

4750



0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0

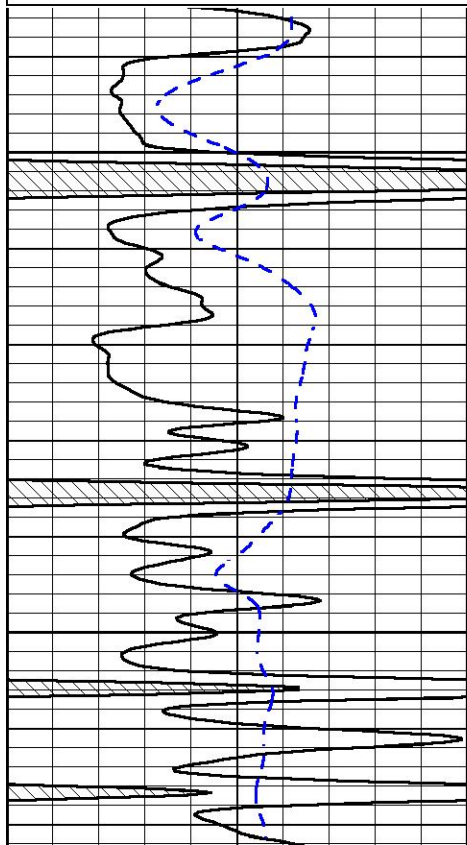


REPEAT SECTION

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2.1
 Presentation Format dil
 Dataset Creation Thu Oct 27 09:49:41 2016
 Charted by Depth in Feet scaled 1:240

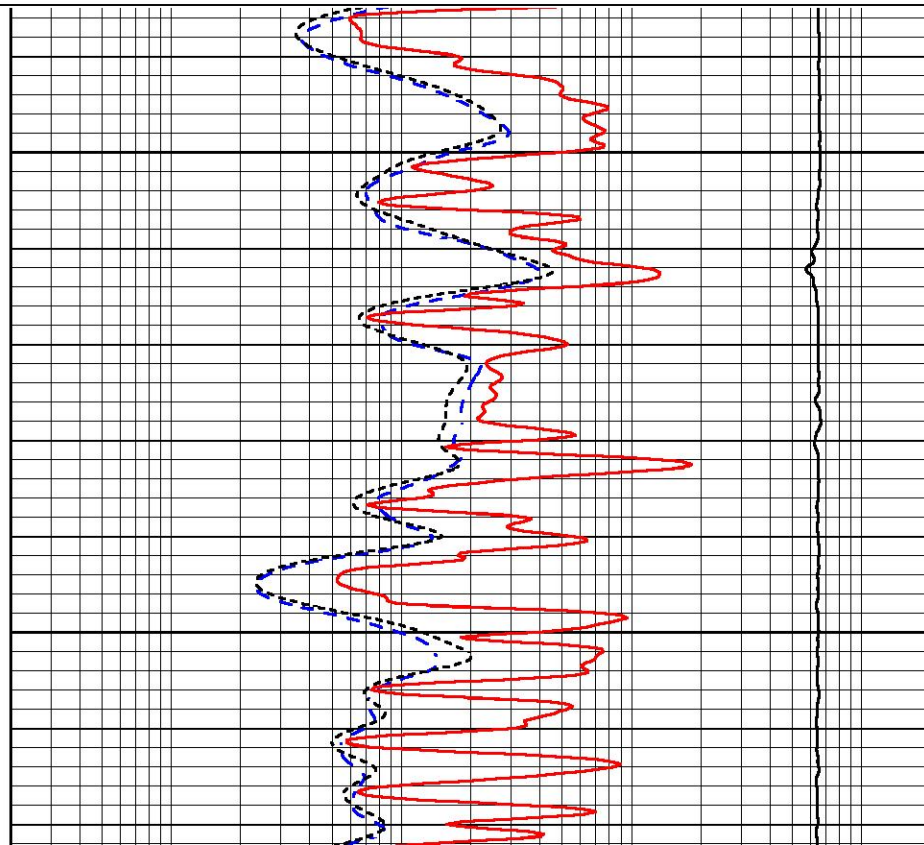
0	GAMMA RAY (GAPI)	150
-200	SP (mV)	0

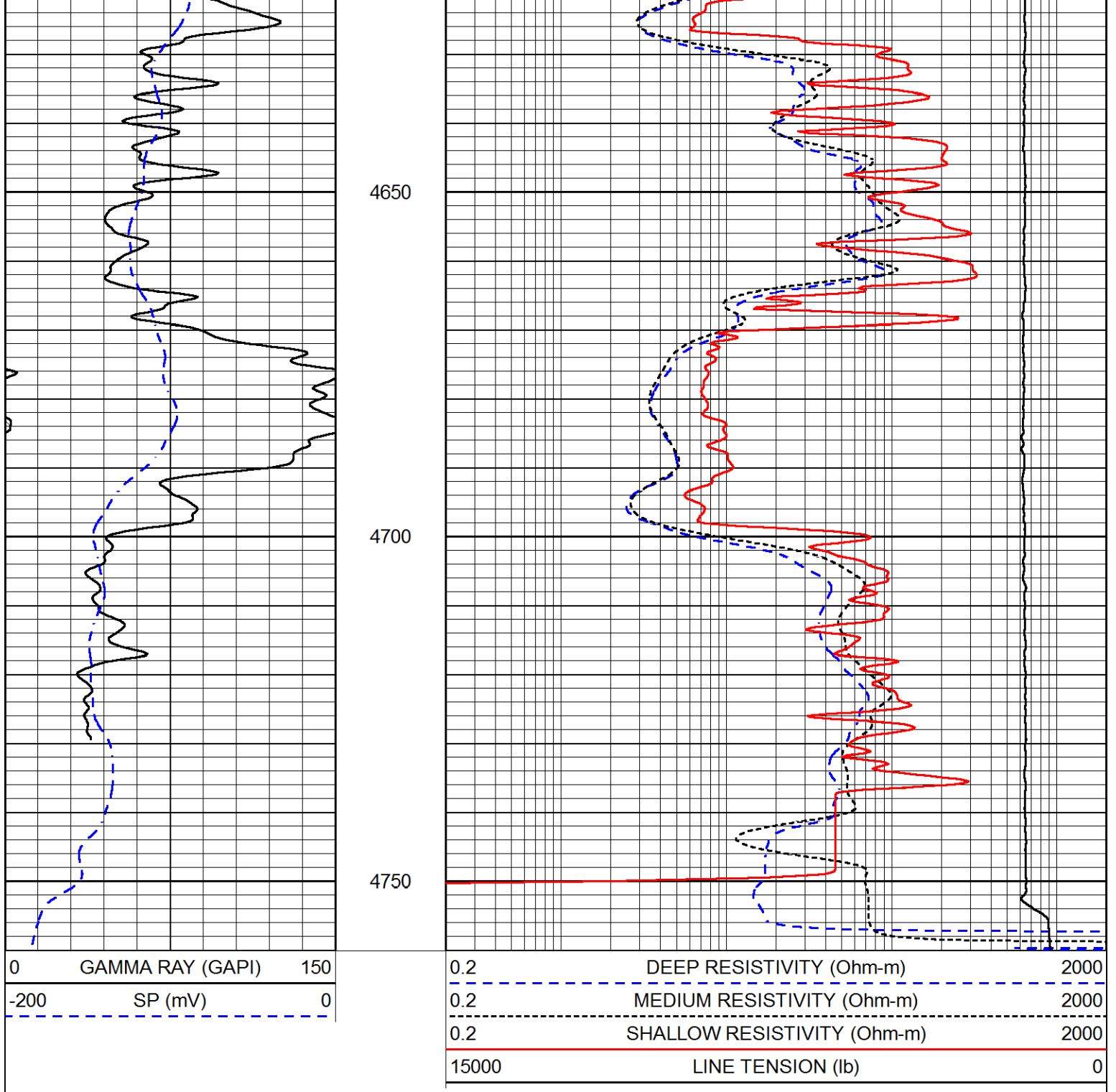
0.2	DEEP RESISTIVITY (Ohm-m)	2000
0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0



4550

4600





Calibration Report

Database File stratakanexploration_janice_8-1.db
Dataset Pathname stack/pass2
Dataset Creation Thu Oct 27 08:49:12 2016

Dual Induction Calibration Report

Serial-Model: 1987-M&W
Calibration Performed: Tue Aug 30 16:23:58 2016

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop	mmho/m	Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.530	-36.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.440	-110.500

Compensated Density Calibration Report

Serial-Model: 71-914-M&W
 Source / Verifier: /
 Master Calibration Performed: Fri Oct 07 08:39:26 2016

Master Calibration

	<u>Density</u>		<u>Far Detector</u>	<u>Near Detector</u>	
Magnesium	1.755	g/cc	4314.49	5307.52	cps
Aluminum	2.675	g/cc	822.19	3456.36	cps
	Spine Angle = 75.49		Density/Spine Ratio = 0.537		
	<u>Size</u>		<u>Reading</u>		
Small Ring	4.00	in	1.16		
Large Ring	14.00	in	1.57		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Sat Oct 1 10:01:53 2016

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-M&W
 Tool Model: M&W
 Calibration Performed: Fri Sep 30 22:06:47 2016

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps



Company STRATAKAN EXPLORATION, LLC
 Well JANICE NO. 8-1
 Field WILDCAT
 County LOGAN
 State KANSAS



DUAL COMP POROSITY LOG

Pioneer Energy Services

Company STRATAKAN EXPLORATION, LLC
 Well JANICE NO. 8-1
 Field WILDCAT
 County LOGAN
 State KANSAS

Company STRATAKAN EXPLORATION, LLC
 Well JANICE NO. 8-1
 Field WILDCAT
 County LOGAN
 State KANSAS

Location: API #: 15-109-21483-00-00
 330' FSL & 2,084' FEL
 SEC 8 TWP 12S RGE 33W
 Permanent Datum GROUND LEVEL Elevation 3137'
 Log Measured From KELLY BUSHING
 Drilling Measured From KELLY BUSHING
 Other Services DIL MEL/BHCS
 Elevation K.B. 3142'
 D.F. N/A
 G.L. 3137'

Date	10/27/2016						
Run Number	ONE						
Type Log	CNL/CDL						
Depth Driller	4755'						
Depth Logger	4754'						
Bottom Logged Interval	4733'						
Top Logged Interval	3700'						
Type Fluid In Hole	CHEMICAL						
Salinity, PPM CL	8500						
Density	9.6						
Level	FULL						
Max. Rec. Temp. F	124 DEG.F.						
Operating Rig Time	4 HOURS						
Equipment -- Location	108 COLBY						
Recorded By	J. LONG						
Witnessed By	MARC DOWNING						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	00'	220'	8.625"	23#	00'	220'
TWO	7.875"	220'	TD				
Casing Record							

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer 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.
 MONUMENT, 1 EAST TO 360 ROAD, 7 1/2 SOUTH TO WAGON ROAD, 1/4 WEST, NORTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
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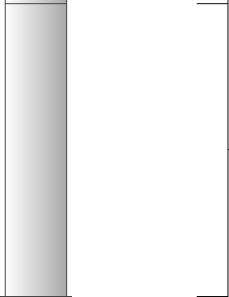
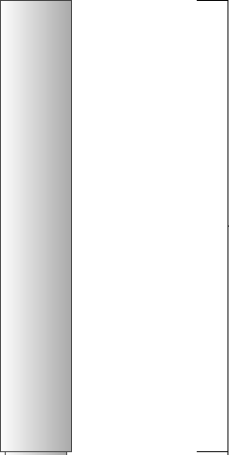

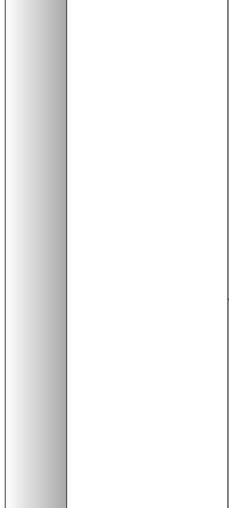
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: MARC DOWNING
Operator: C. PFEIFER	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\stratakanexploration_janice_8-1.db
 Dataset field/well/stack/pass3.16/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	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	-330	55	Off	4754

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	33.00		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	29.90 29.15		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	20.85 20.83 20.35		CDL-M&W (71-914)	8.50	4.00	250.00
RLL3 RLL3F	15.80 15.79					
CILD	8.00		DIL-M&W (1987)	18.50	3.50	220.00

CILM 4.70

SP 0.20

Dataset: stratakanexploration_janice_8-1.db: field/well/stack/pass3
 Total length: 35.50 ft
 Total weight: 620.00 lb
 O.D.: 4.00 in

PIONEER
 Pioneer Energy Services

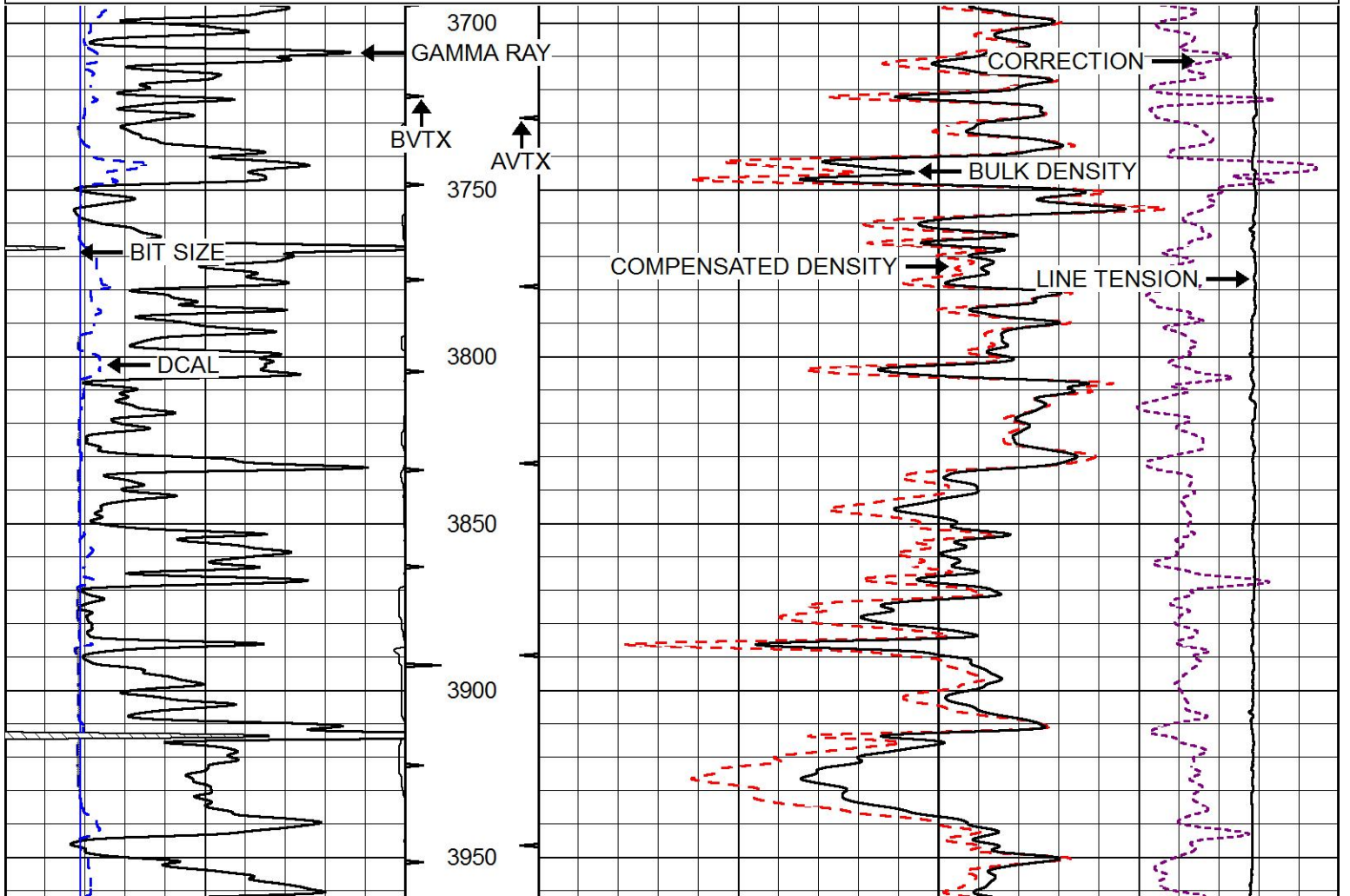
MAIN PASS

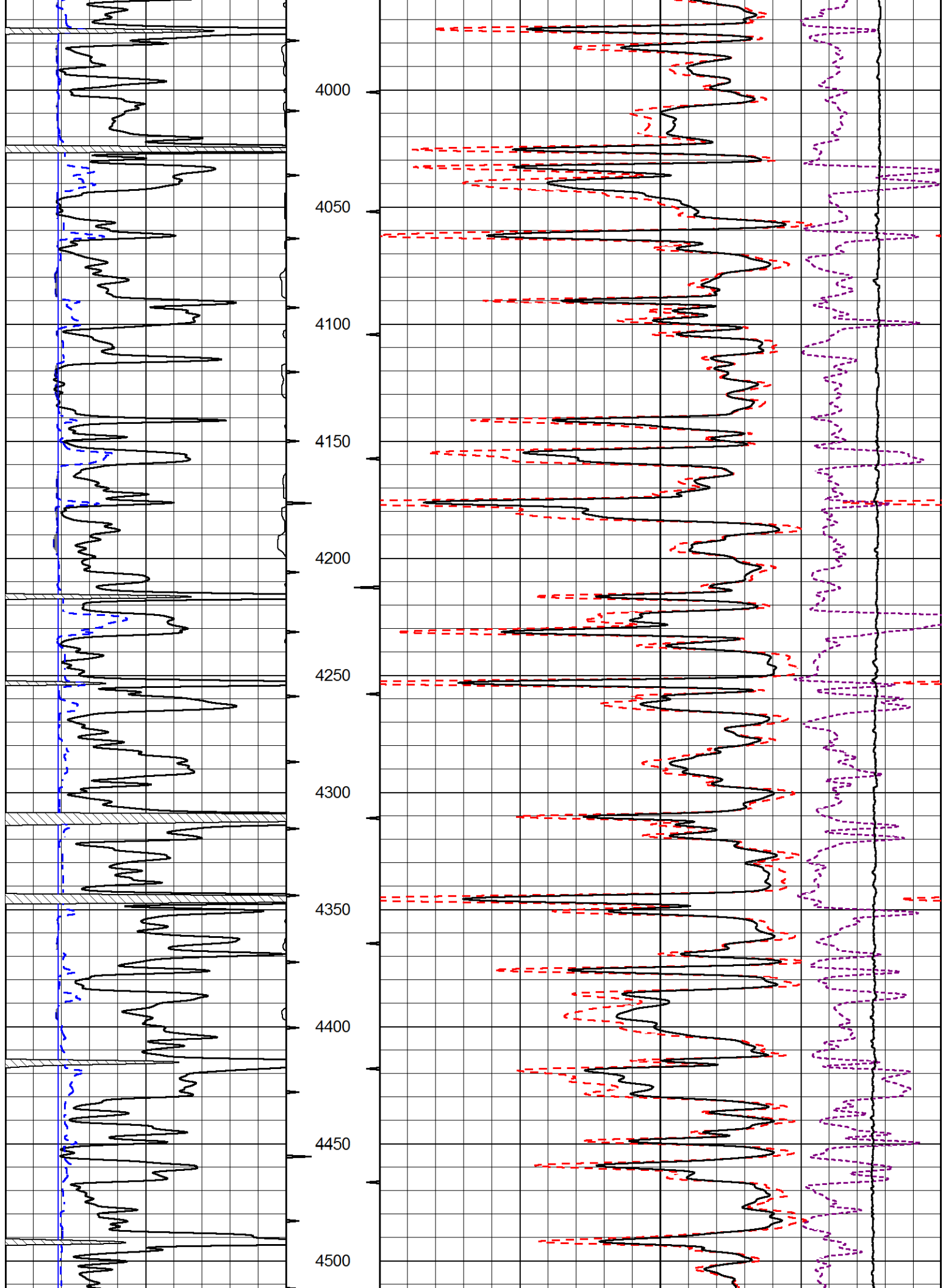
2" SCALE BULK DENSITY

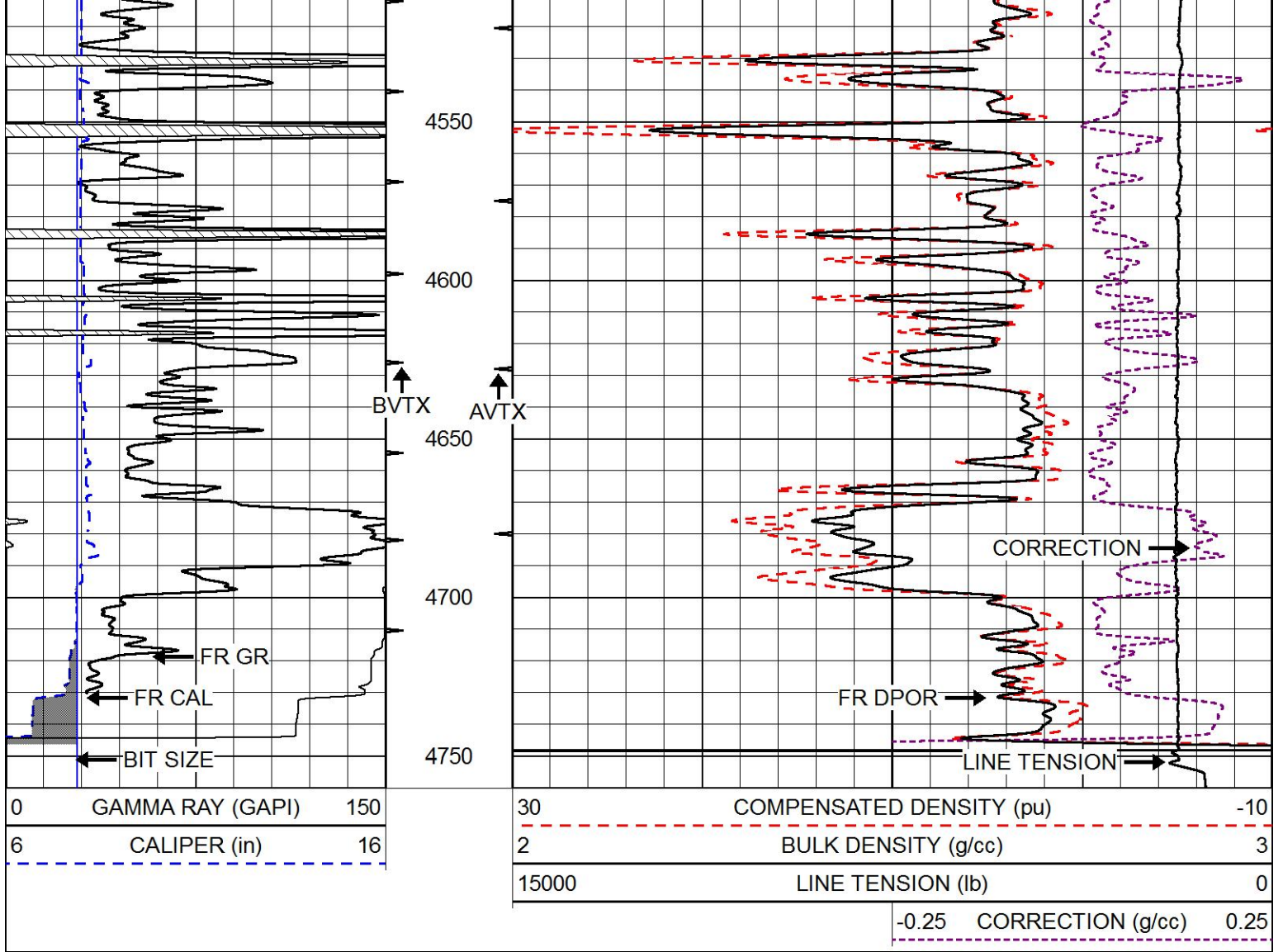
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 Dataset Pathname stack/pass3.3
 Presentation Format cdl
 Dataset Creation Thu Oct 27 09:51:01 2016
 Charted by Depth in Feet scaled 1:600

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

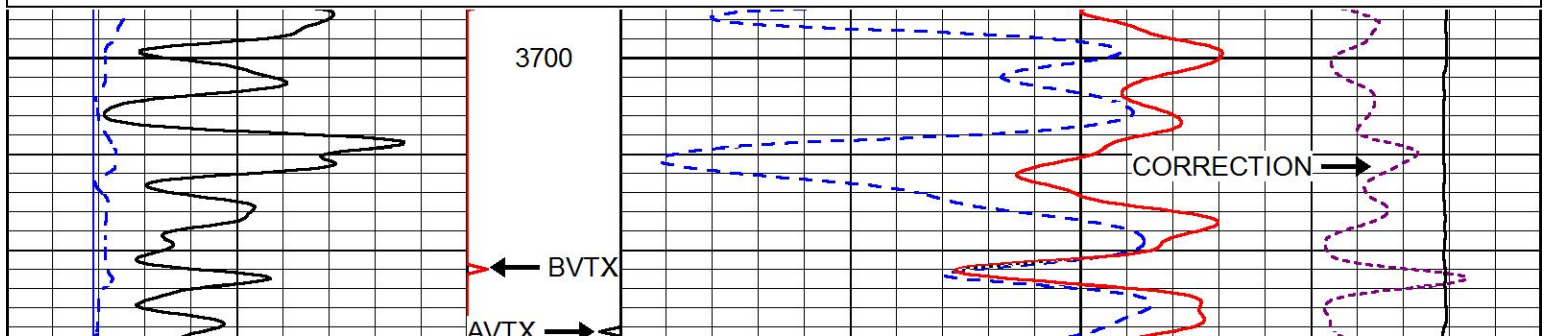
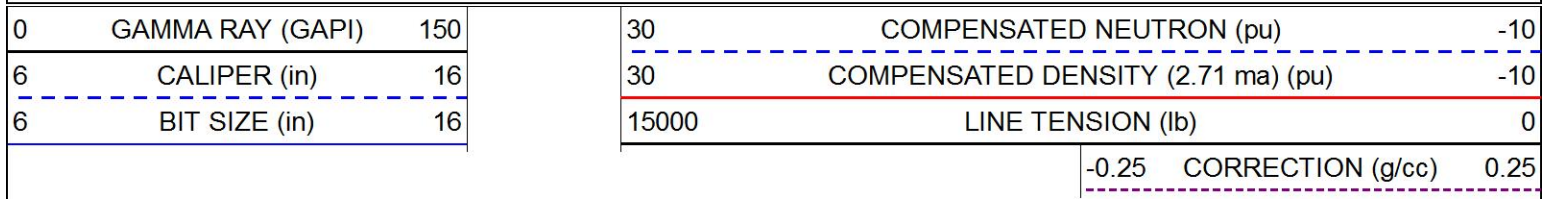


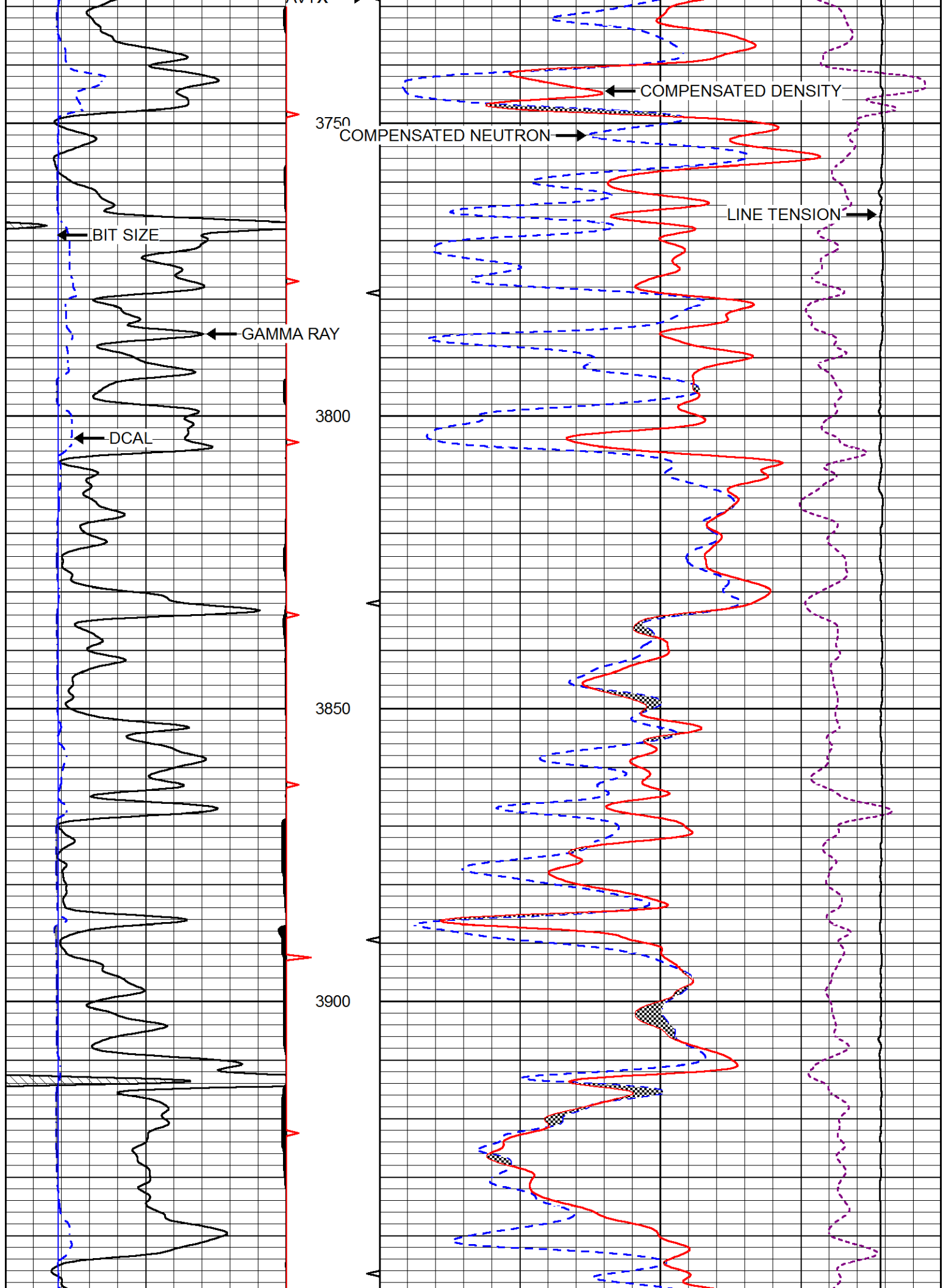


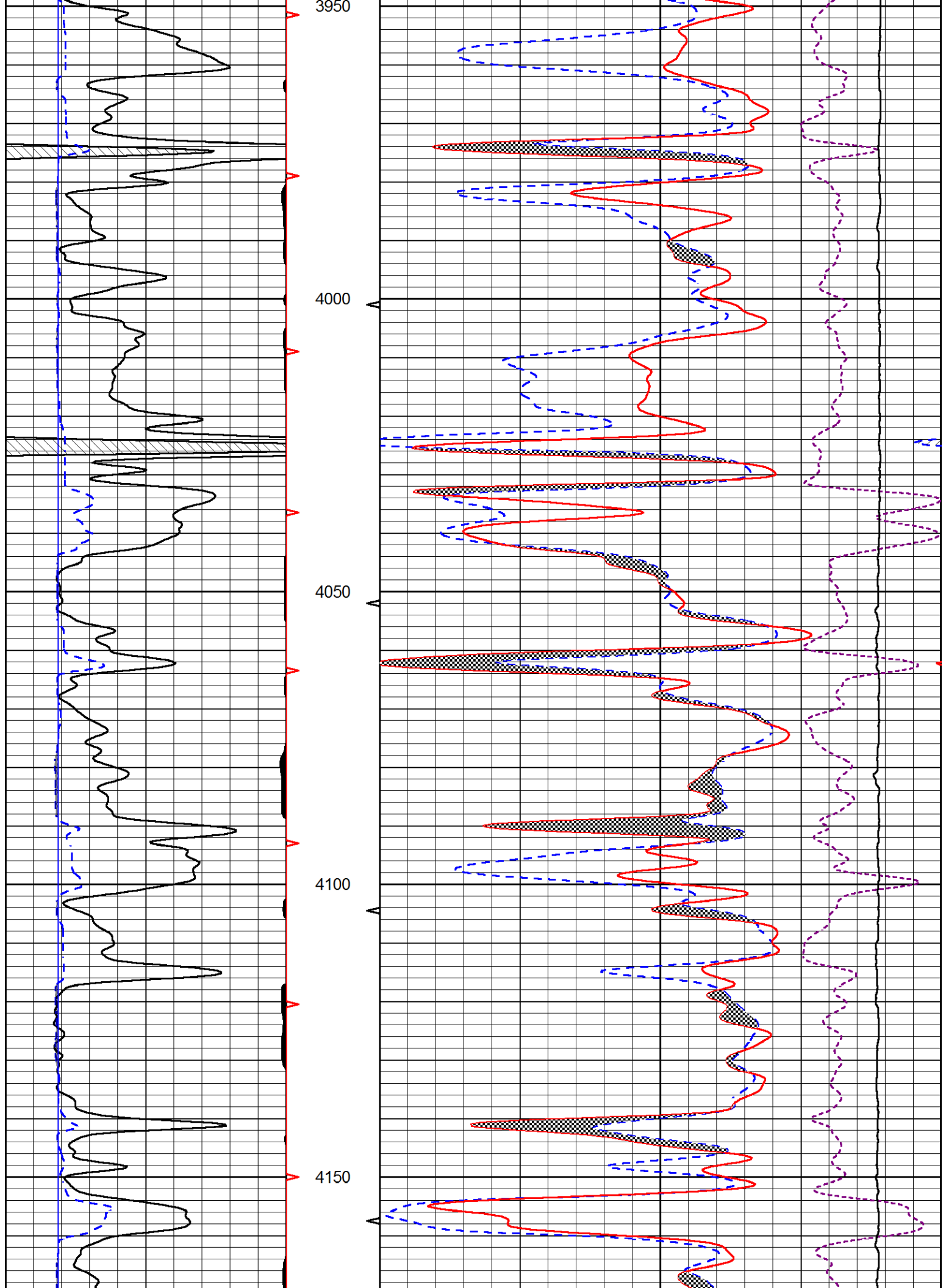


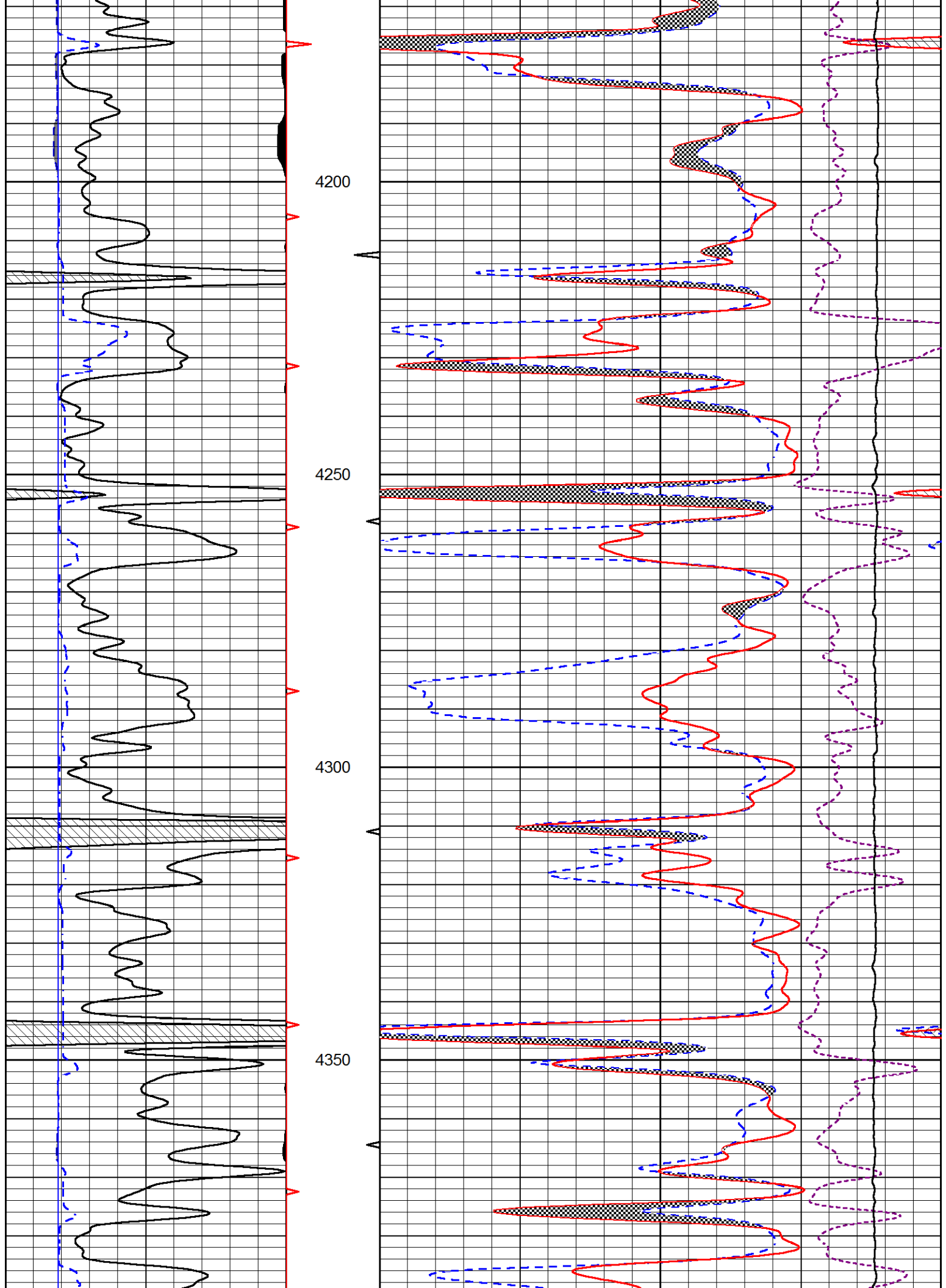
MAIN PASS

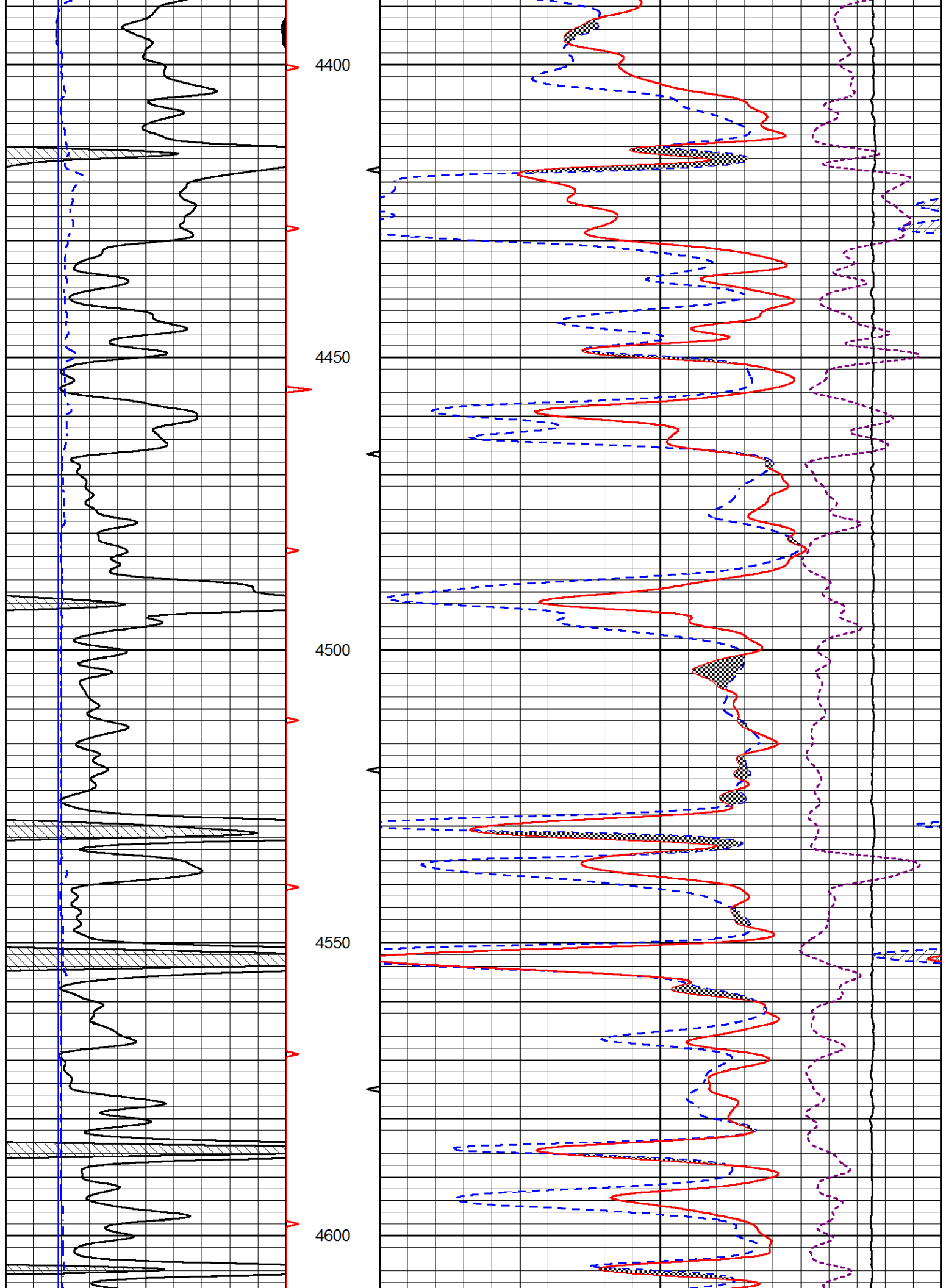
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 Presentation Format cndlspec
 Dataset Creation Thu Oct 27 09:50:04 2016
 Charted by Depth in Feet scaled 1:240

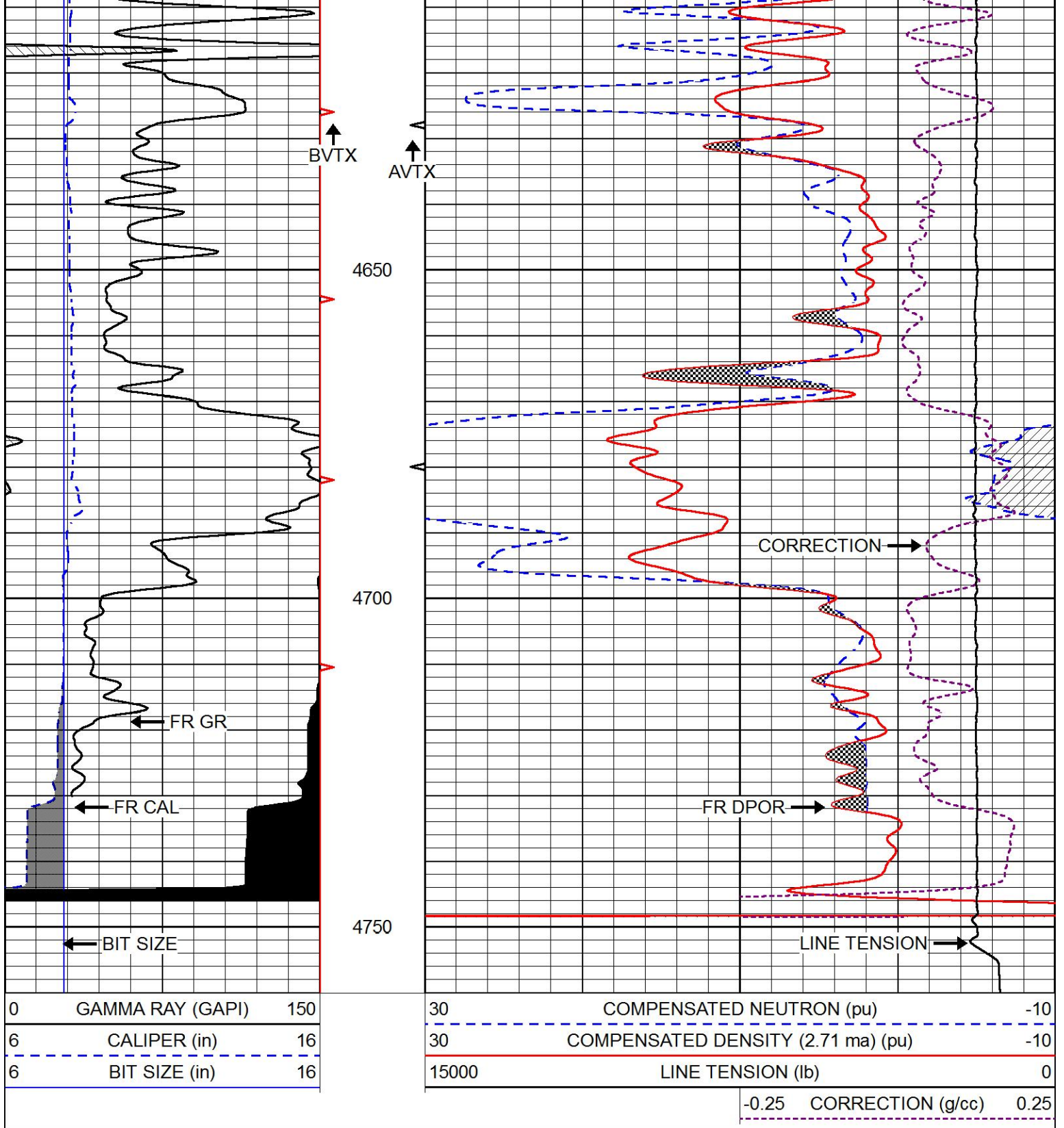












REPEAT SECTION

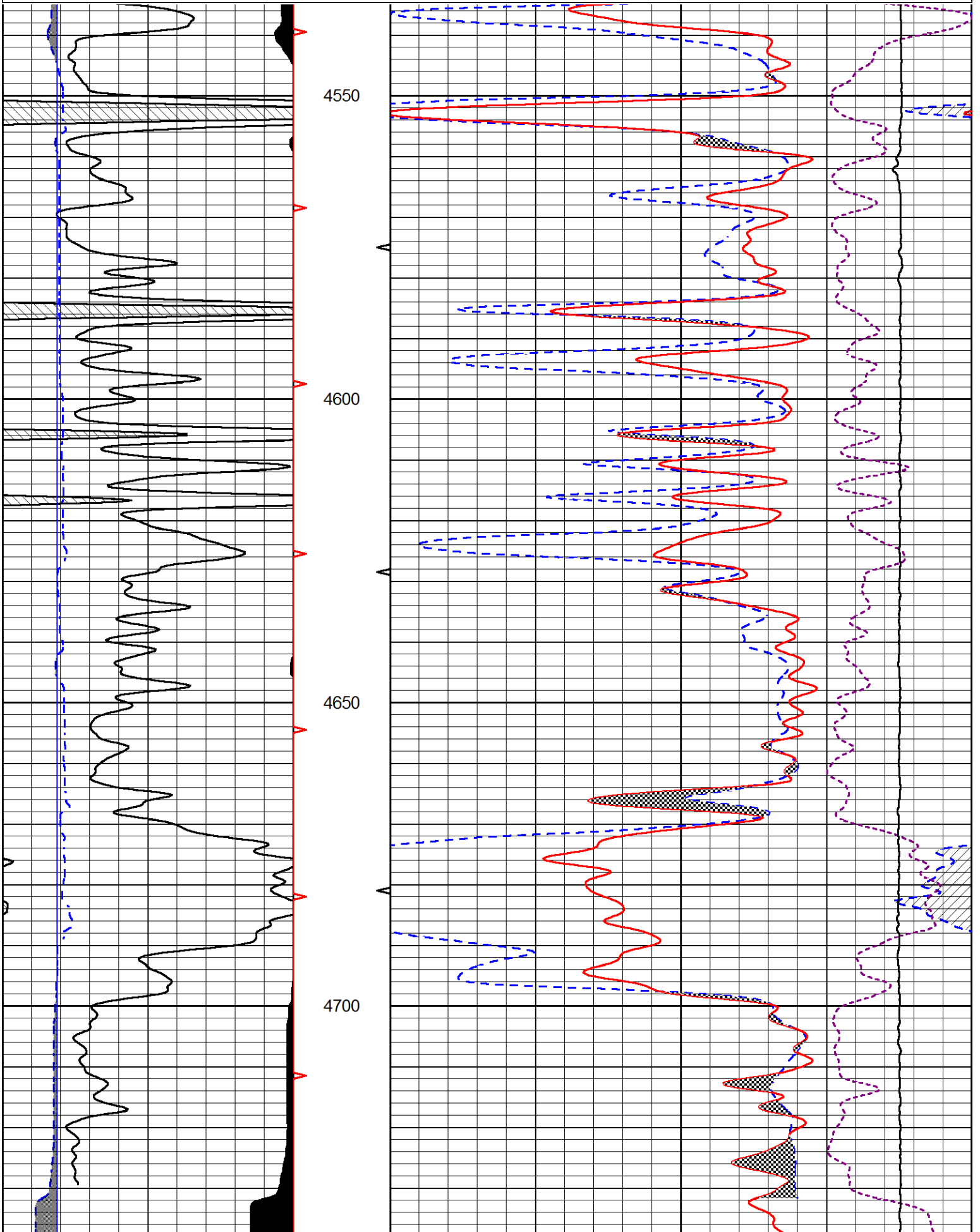
Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2.1
 Presentation Format cndlspec
 Dataset Creation Thu Oct 27 09:49:41 2016
 Charted by Depth in Feet scaled 1:240

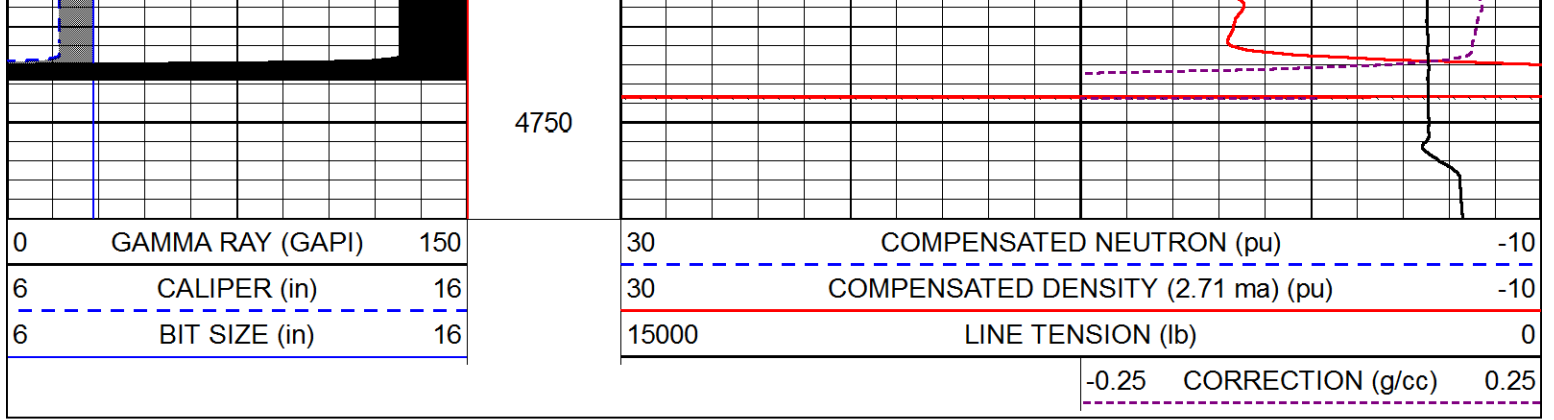


6	CALIPER (in)	16
6	BIT SIZE (in)	16

30	COMPENSATED DENSITY (2.71 ma) (pu)	-10
15000	LINE TENSION (lb)	0

-0.25 CORRECTION (g/cc) 0.25





Calibration Report

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2
 Dataset Creation Thu Oct 27 08:49:12 2016

Dual Induction Calibration Report

Serial-Model: 1987-M&W
 Calibration Performed: Tue Aug 30 16:23:58 2016

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.530	-36.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.440	-110.500

Compensated Density Calibration Report

Serial-Model: 71-914-M&W
 Source / Verifier: /
 Master Calibration Performed: Fri Oct 07 08:39:26 2016

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	4314.49	5307.52	cps
Aluminum	2.675	g/cc	822.19	3456.36	cps
Spine Angle = 75.49			Density/Spine Ratio = 0.537		
	Size		Reading		
Small Ring	4.00	in	1.16		
Large Ring	14.00	in	1.57		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Sat Oct 1 10:01:53 2016

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-M&W	
Tool Model:	M&W	
Calibration Performed:	Fri Sep 30 22:06:47 2016	
Calibrator Value:	1000.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	6.2	cps
Sensitivity:	0.5200	GAPI/cps

**PIONEER**

Pioneer Energy Services

Company	STRATAKAN EXPLORATION, LLC
Well	JANICE NO. 8-1
Field	WILDCAT
County	LOGAN
State	KANSAS



PIONEER
Pioneer Energy Services

**MICRORESISTIVITY
LOG**

Company STRATAKAN EXPLORATION, LLC
Well JANICE NO. 8-1
Field WILDCAT
County LOGAN State KANSAS

Location: API #: 15-109-21483-00-00
330' FSL & 2,084' FEL
SEC 8 TWP 12S RGE 33W
Permanent Datum GROUND LEVEL Elevation 3137'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
DIL/BHCS
Elevation
K.B. 3142'
D.F. N/A
G.L. 3137'

Date	10/27/2016
Run Number	TWO
Depth Driller	4755'
Depth Logger	4754'
Bottom Logged Interval	4753'
Top Log Interval	3700'
Casing Driller	8.625" @ 220'
Casing Logger	220'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	8500
Density / Viscosity	9.6 47
pH / Fluid Loss	9.5 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.47 @ 62
Rmt @ Meas. Temp	.35 @ 62
Rmc @ Meas. Temp	.63 @ 62
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.24 @ 124
Operating Rig Time	4 HOURS
Max Rec. Temp. F	124 DEG F.
Equipment Number	108
Location	COLBY
Recorded By	J. LONG
Witnessed By	MARC DOWNING

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer 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.
MONUMENT, 1 EAST TO 360 ROAD, 7 1/2 SOUTH TO WAGON ROAD, 1/4 WEST,
NORTH INTO

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

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

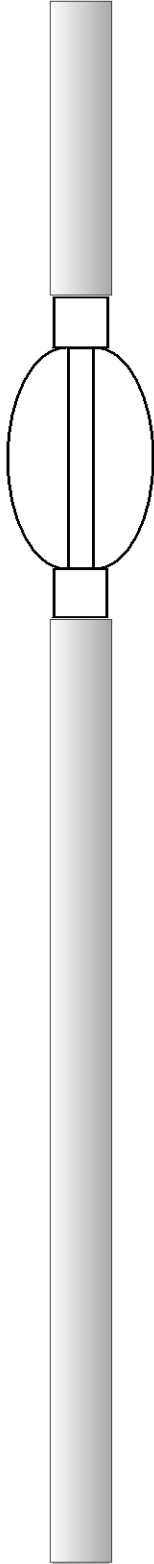
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: MARC DOWNING
Operator: C. PFEIFER	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

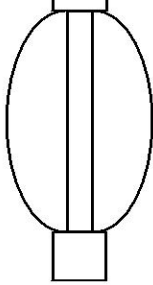
Log Variables

DatabaseC:\ProgramData\Warrior\Data\stratakanexploration_janice_8-1.db
 Dataset field/well/stack/pass3.16/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	124	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	-330	55	Off	4754

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	28.00 28.00 28.00		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
			CENT-PENGO	5.50	3.00	70.00
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50					



CENT-PENGO

5.50

3.00

70.00

Dataset: stratakanexploration_janice_8-1.db: field/well/sonmel/pass1
 Total length: 32.00 ft
 Total weight: 540.00 lb
 O.D.: 3.50 in

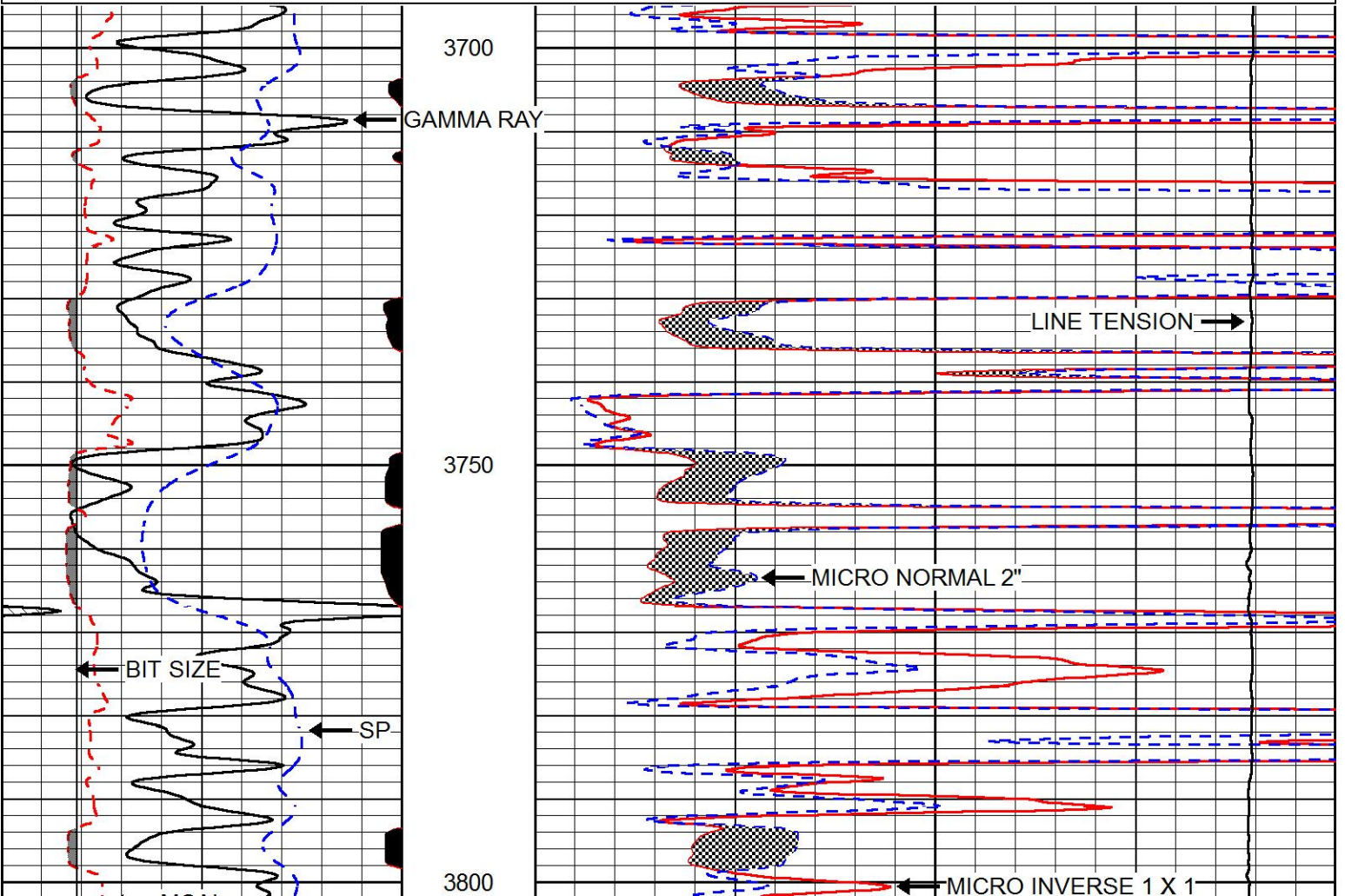


MAIN PASS

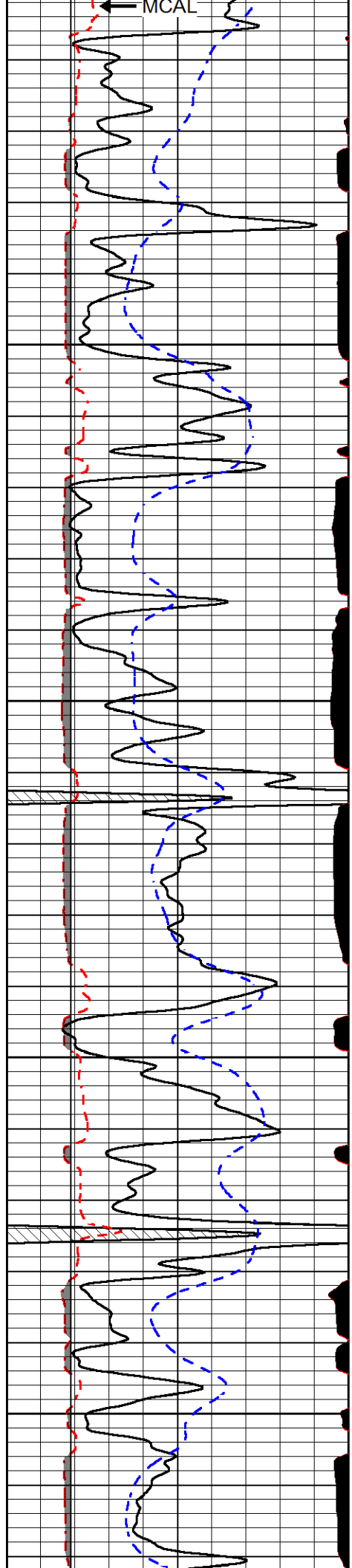
Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass3.1
 Presentation Format micro
 Dataset Creation Thu Oct 27 09:50:04 2016
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	MICRO CALIPER (in)	16
6	BIT SIZE (in)	16
-200	SP (mV)	0

0	MICRO INVERSE 1 X 1 (Ohm-m)	40
0	MICRO NORMAL 2" (Ohm-m)	40
15000	LINE TENSION (lb)	0



MCAL

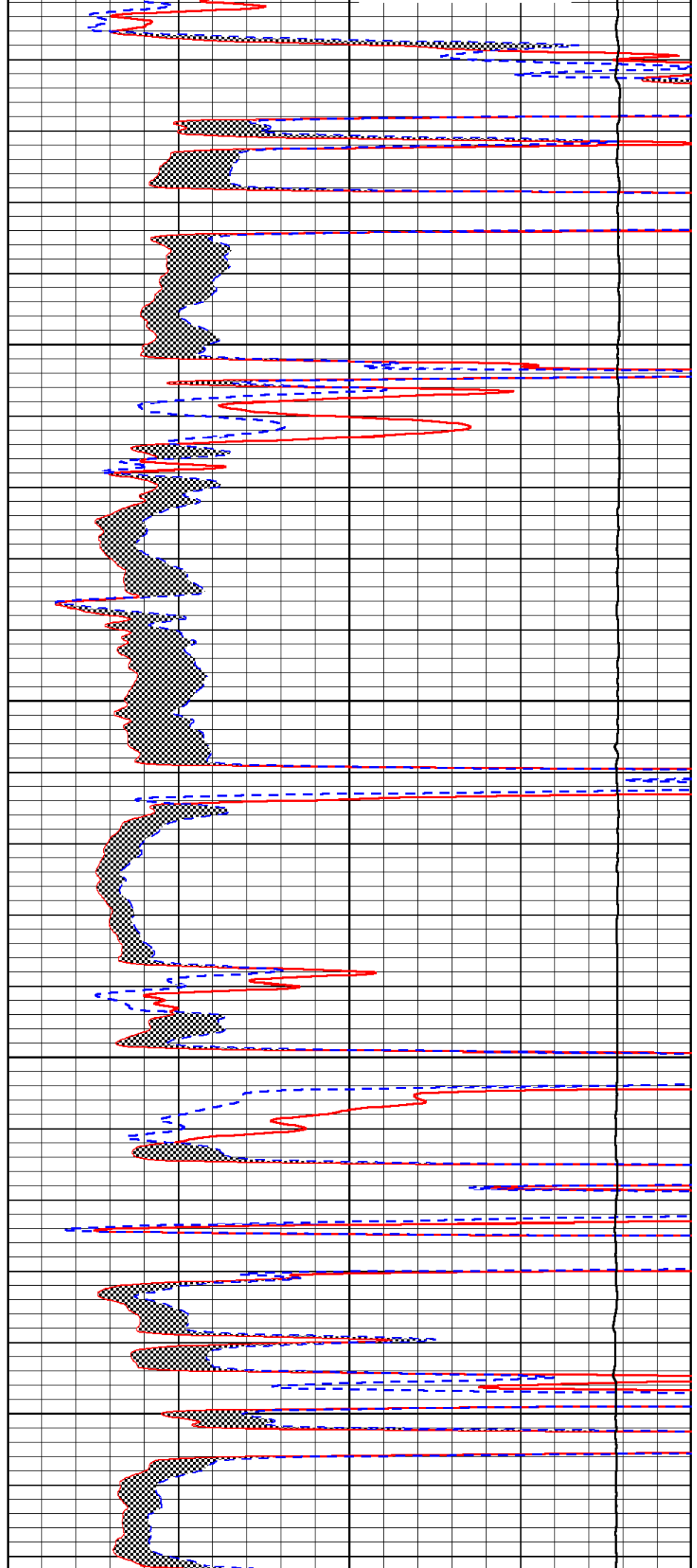


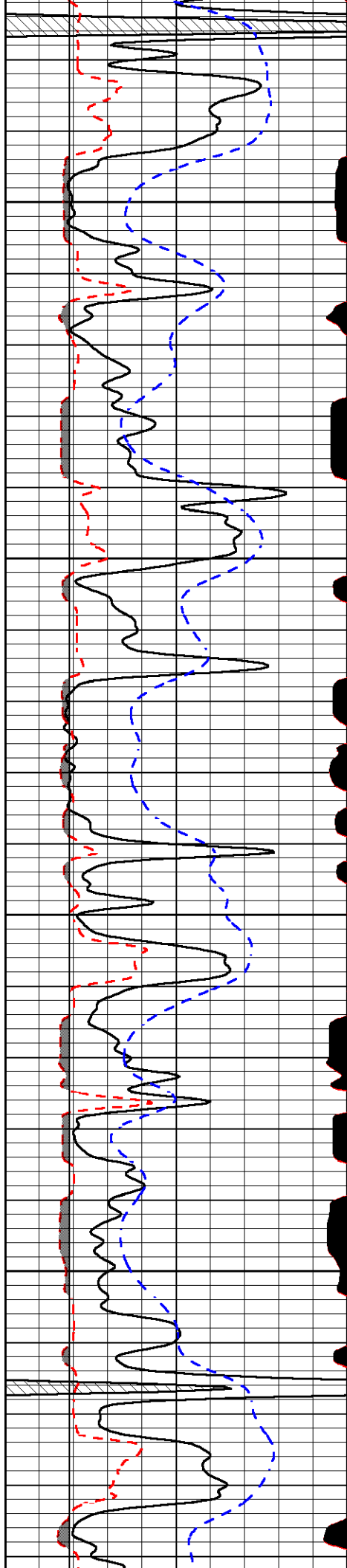
3850

3900

3950

4000



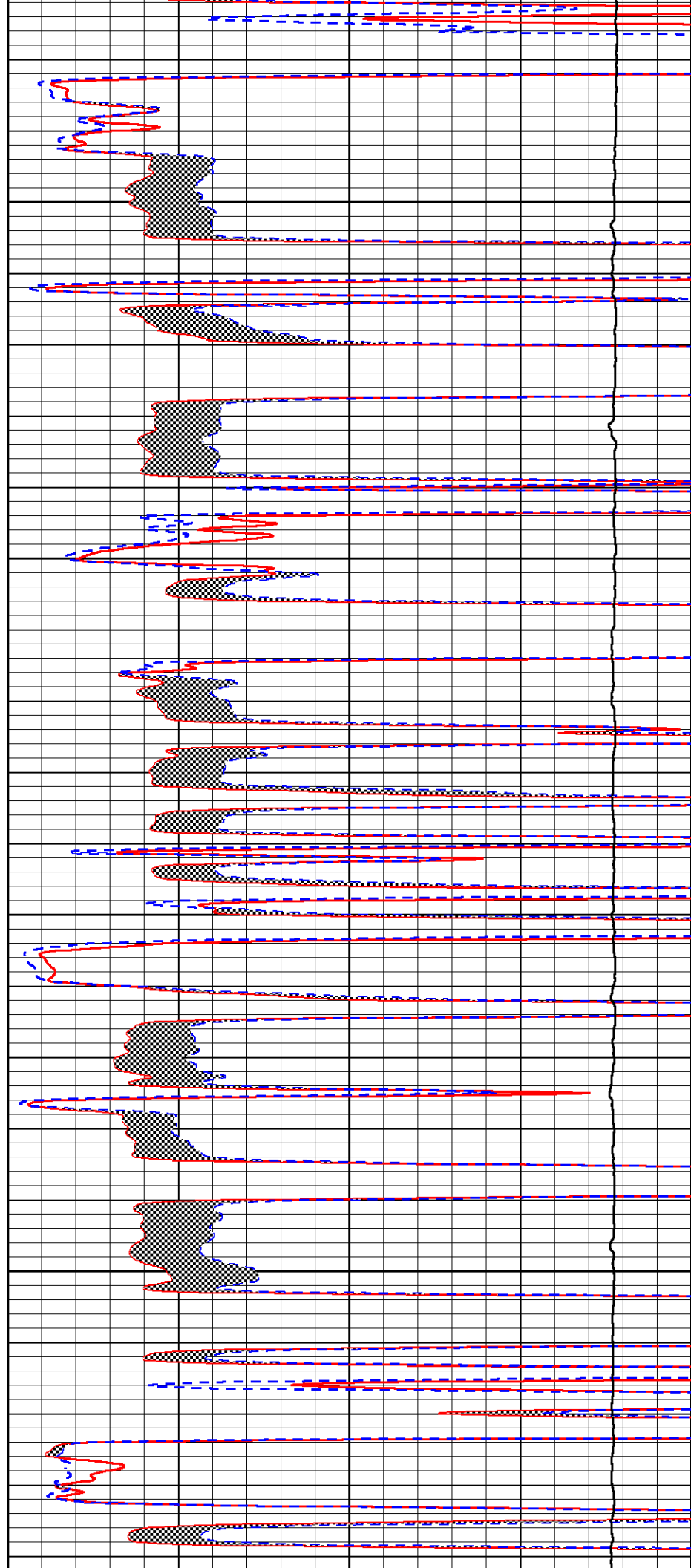


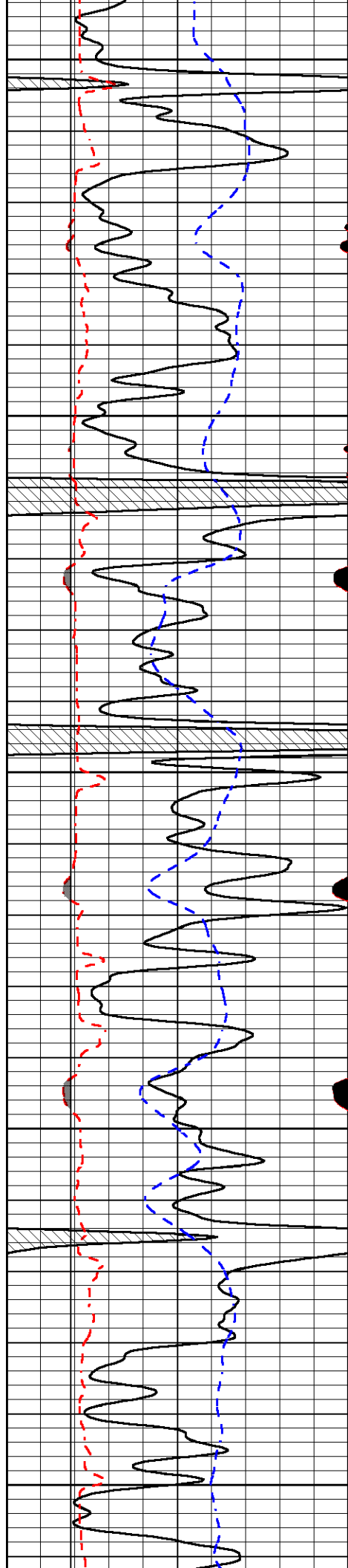
4050

4100

4150

4200





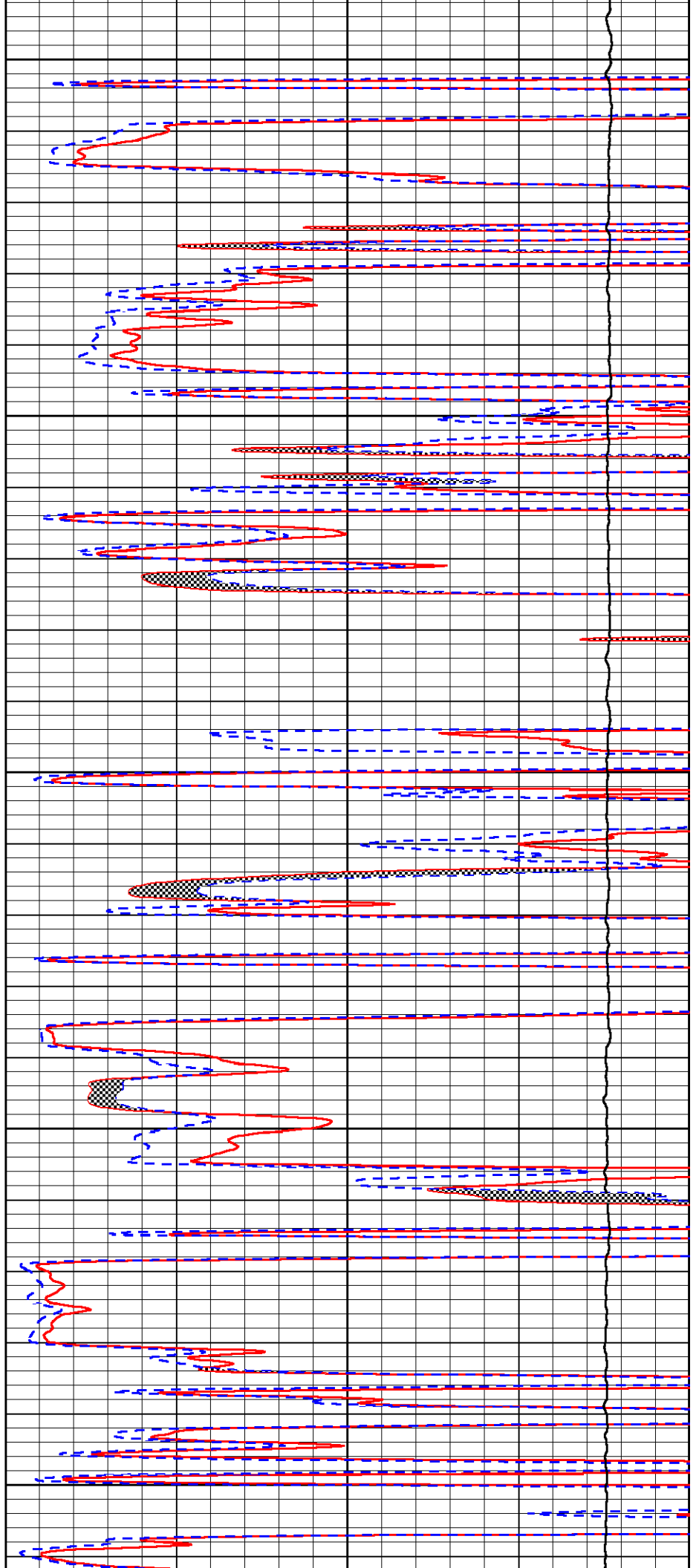
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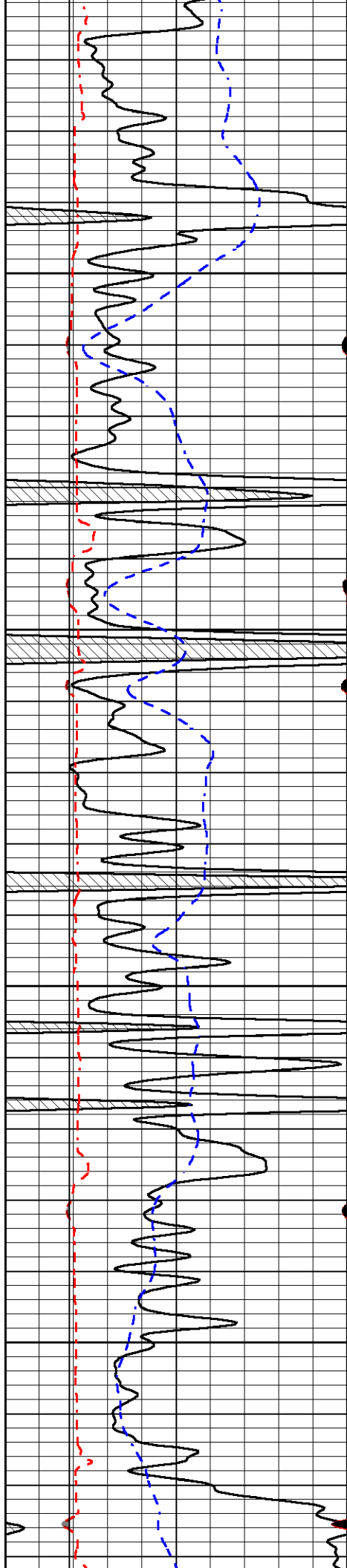
4300

4350

4400

4450



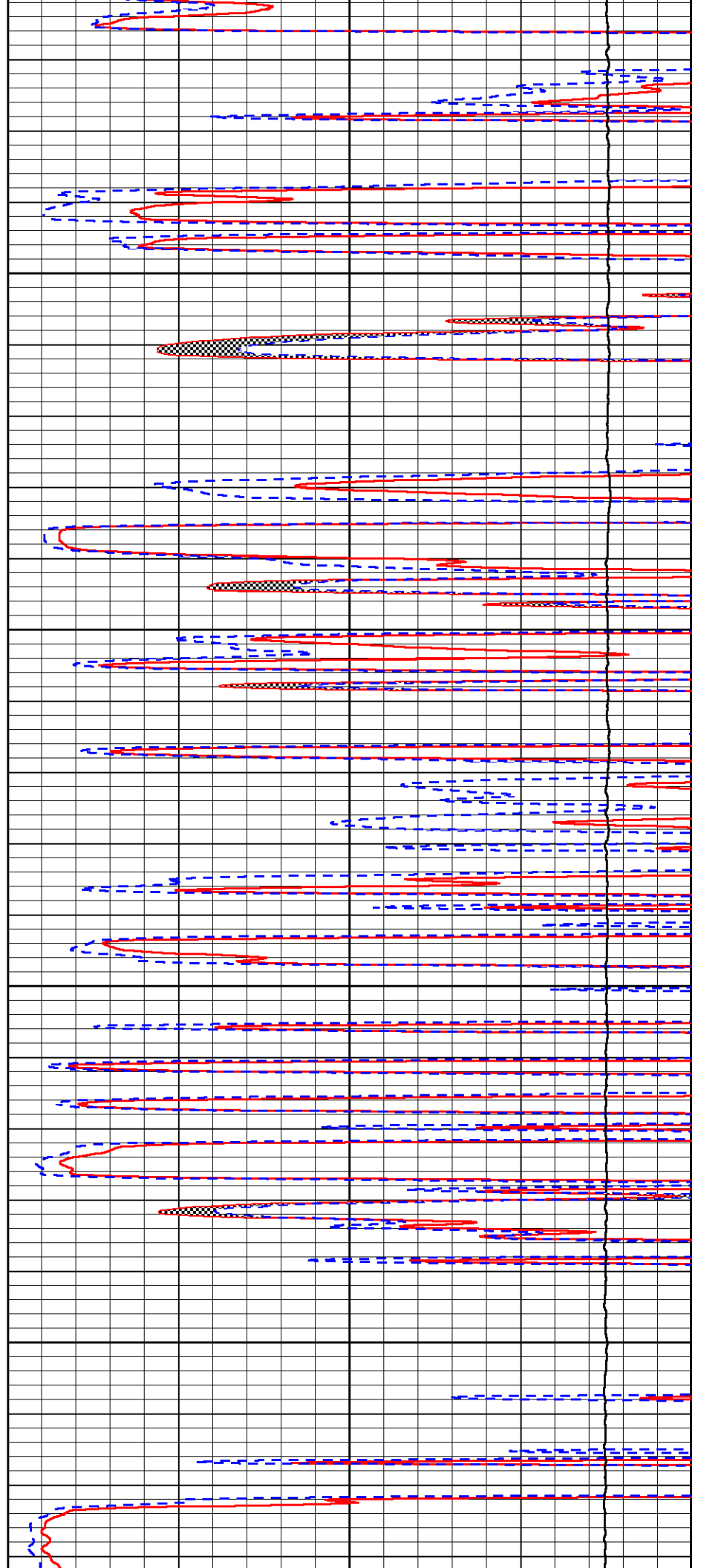


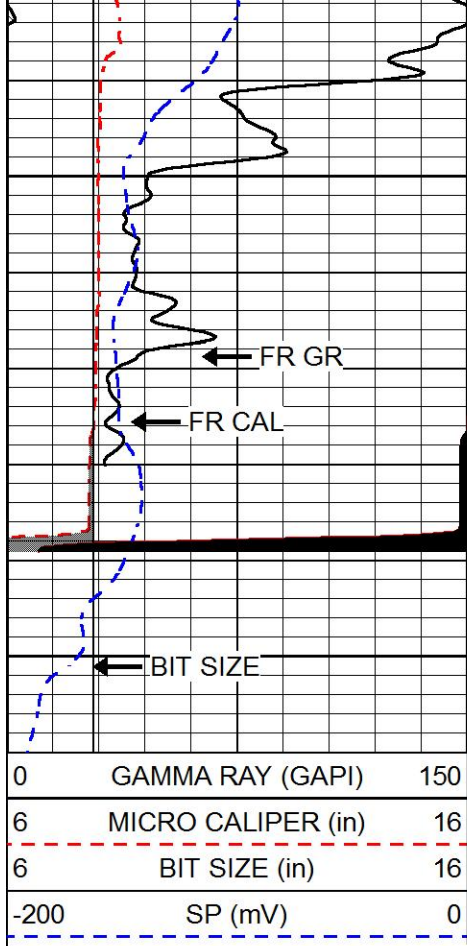
4500

4550

4600

4650





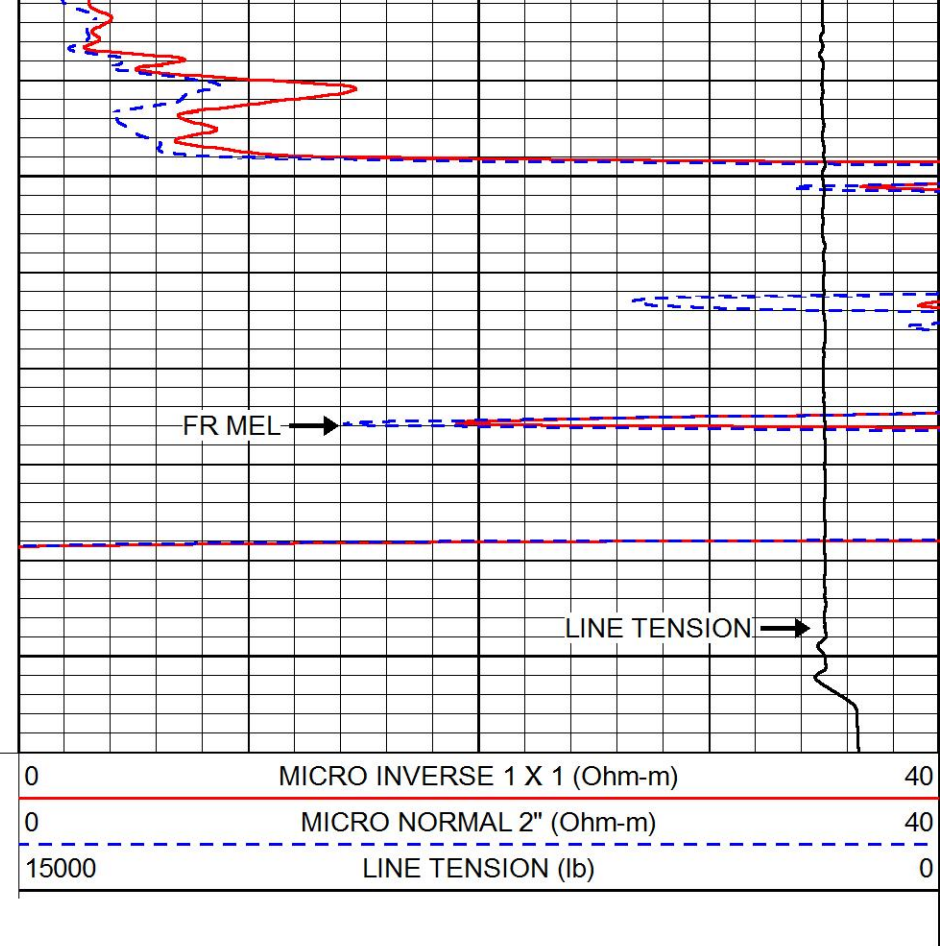
4700

FR GR

FR CAL

BIT SIZE

4750



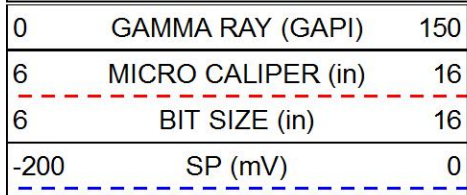
FR MEL

LINE TENSION

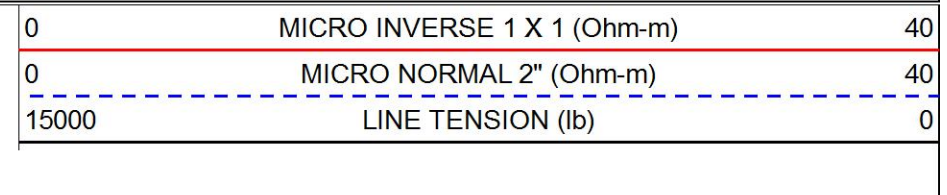


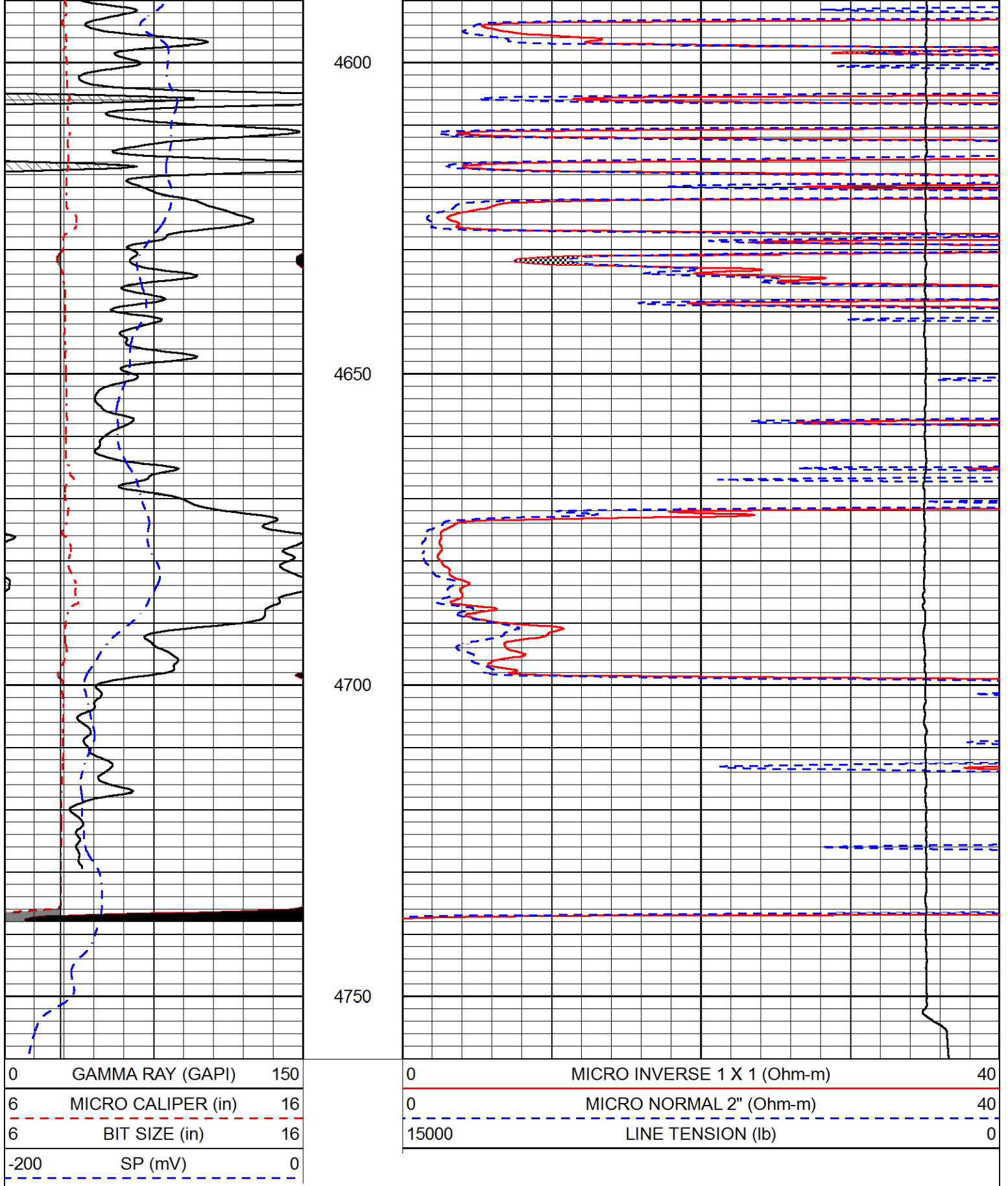
REPEAT SECTION

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2.1
 Presentation Format micro
 Dataset Creation Thu Oct 27 09:49:41 2016
 Charted by Depth in Feet scaled 1:240



4550





Calibration Report

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname stack/pass2
 Dataset Creation Thu Oct 27 08:49:12 2016

Serial-Model:
Calibration Performed:

1987-M&W
Tue Aug 30 16:23:58 2016

Loop:	Readings		References			Results	
	Air	Loop	Air	Loop		Gain	Offset
Deep	178.615	710.235	0.000	255.800	mmho/m	0.530	-36.500
Medium	161.982	1441.110	0.000	255.800	mmho/m	0.440	-110.500

Compensated Density Calibration Report

Serial-Model: 71-914-M&W
 Source / Verifier: /
 Master Calibration Performed: Fri Oct 07 08:39:26 2016

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.755	g/cc	4314.49	5307.52	cps
Aluminum	2.675	g/cc	822.19	3456.36	cps
Spine Angle = 75.49			Density/Spine Ratio = 0.537		
	Size		Reading		
Small Ring	4.00	in	1.16		
Large Ring	14.00	in	1.57		

Compensated Neutron Calibration Report

Serial Number: tk10-MW
 Tool Model: M&W
 Calibration Performed: Sat Oct 1 10:01:53 2016

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-M&W
 Tool Model: M&W
 Calibration Performed: Fri Sep 30 22:06:47 2016

Calibrator Value: 1000.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 6.2 cps

Sensitivity: 0.5200 GAPI/cps

Calibration Report

Database File stratakanexploration_janice_8-1.db
 Dataset Pathname sonmel/pass1
 Dataset Creation Thu Oct 27 10:58:32 2016

Microlog Calibration Report

Serial-Model:
Performed:

Armadillo-1-Armadillo
Sat Sep 03 03:39:06 2016

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0122	1.0361	V	0.0000	10.0000	Ohm-m	35.0000	-2.0000
Inverse	-0.0037	0.9549	V	0.0000	10.0000	Ohm-m	25.0000	-0.6000
Caliper	1.1139	8.3644	V	5.0000	19.0000	in	1.9309	3.0493

 PIONEER Pioneer Energy Services	Company	STRATAKAN EXPLORATION, LLC
	Well	JANICE NO. 8-1
	Field	WILDCAT
	County	LOGAN
	State	KANSAS