

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

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	Blue Goose Drilling Company, Inc.
Well Name	NEELEY A
Doc ID	1330630

All Electric Logs Run

Dual Induction
Dual Comp Porosity
MEL
Micro Resistivity

Form	ACO1 - Well Completion
Operator	Blue Goose Drilling Company, Inc.
Well Name	NEELEY A
Doc ID	1330630

Tops

Name	Top	Datum
Anhydrite	2042	+647
Heebner	3917	-1228
Lansing	3951	-1262
Stark Shale	4224	-1535
B/KC	4298	-1609
Fort Scott	4475	-1786
Cherokee Sh	4500	-1811
Cherokee Sd	4564	-1875
Mississippi	4577	-1888

Form	ACO1 - Well Completion
Operator	Blue Goose Drilling Company, Inc.
Well Name	NEELEY A
Doc ID	1330630

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4564-68		
4	4490-93		
4	4476-79	250 gal. MCA	
4	4330-33		
4	4306-10	250 gal. MCA	
4	4267-69		
4	4274-77		
4	4254-58	250 gal. MCA	



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company, Inc.**

PO Box 1413
Great Bend, KS 67530

ATTN: Ken Wallace

Neeley A #1

10-18S-27W Lane, KS

Start Date: 2016.10.25 @ 12:21:08

End Date: 2016.10.25 @ 17:19:08

Job Ticket #: 61296 DST #: 1

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

Printed: 2016.11.07 @ 16:11:51



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61296

DST#: 1

ATTN: Ken Wallace

Test Start: 2016.10.25 @ 12:21:08

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:58:08

Time Test Ended: 17:19:08

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No:

Interval: 4204.00 ft (KB) To 4236.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4236.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8959 Outside

Press@RunDepth: 25.29 psig @ 4205.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.25

End Date:

2016.10.25

Last Calib.: 1899.12.30

Start Time: 12:21:09

End Time:

17:19:08

Time On Btm: 2016.10.25 @ 13:57:08

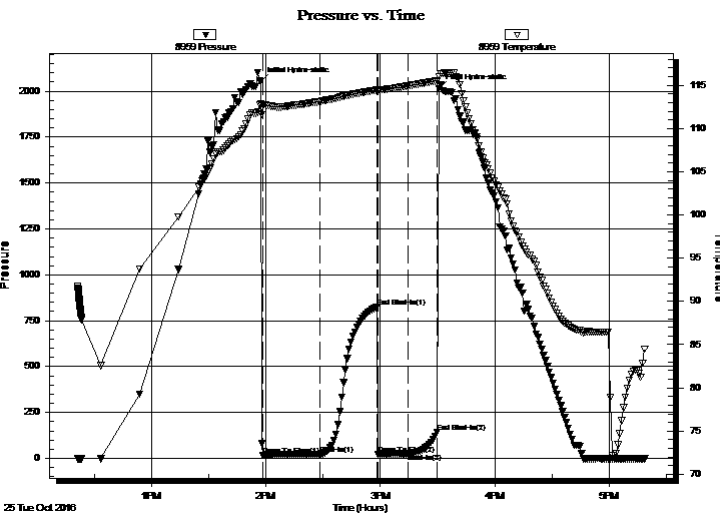
Time Off Btm: 2016.10.25 @ 15:30:38

TEST COMMENT: IF- 30 weak 1.4" blow died in 25 minutes

ISI-30

FF-15 no blow

FSI 15



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2053.98	112.88	Initial Hydro-static
1	17.73	112.70	Open To Flow (1)
31	22.47	113.11	Shut-In(1)
61	824.17	114.47	End Shut-In(1)
62	23.83	114.24	Open To Flow (2)
78	25.29	114.94	Shut-In(2)
93	140.94	115.55	End Shut-In(2)
94	2014.82	115.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 3% oil 97% mud	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61296

DST#: 1

ATTN: Ken Wallace

Test Start: 2016.10.25 @ 12:21:08

Tool Information

Drill Pipe:	Length: 4186.00 ft	Diameter: 3.80 inches	Volume: 58.72 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 58.72 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4204.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4178.00	
Shut In Tool	5.00			4183.00	
Hydraulic tool	5.00			4188.00	
Jars	5.00			4193.00	
Safety Joint	2.00			4195.00	
Packer	5.00			4200.00	27.00 Bottom Of Top Packer
Packer	4.00			4204.00	
Stubb	1.00			4205.00	
Recorder	0.00	6651	Inside	4205.00	
Recorder	0.00	8959	Outside	4205.00	
Perforations	28.00			4233.00	
Bullnose	3.00			4236.00	32.00 Bottom Packers & Anchor

Total Tool Length: 59.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61296

DST#: 1

ATTN: Ken Wallace

Test Start: 2016.10.25 @ 12:21:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 3% oil 97% mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

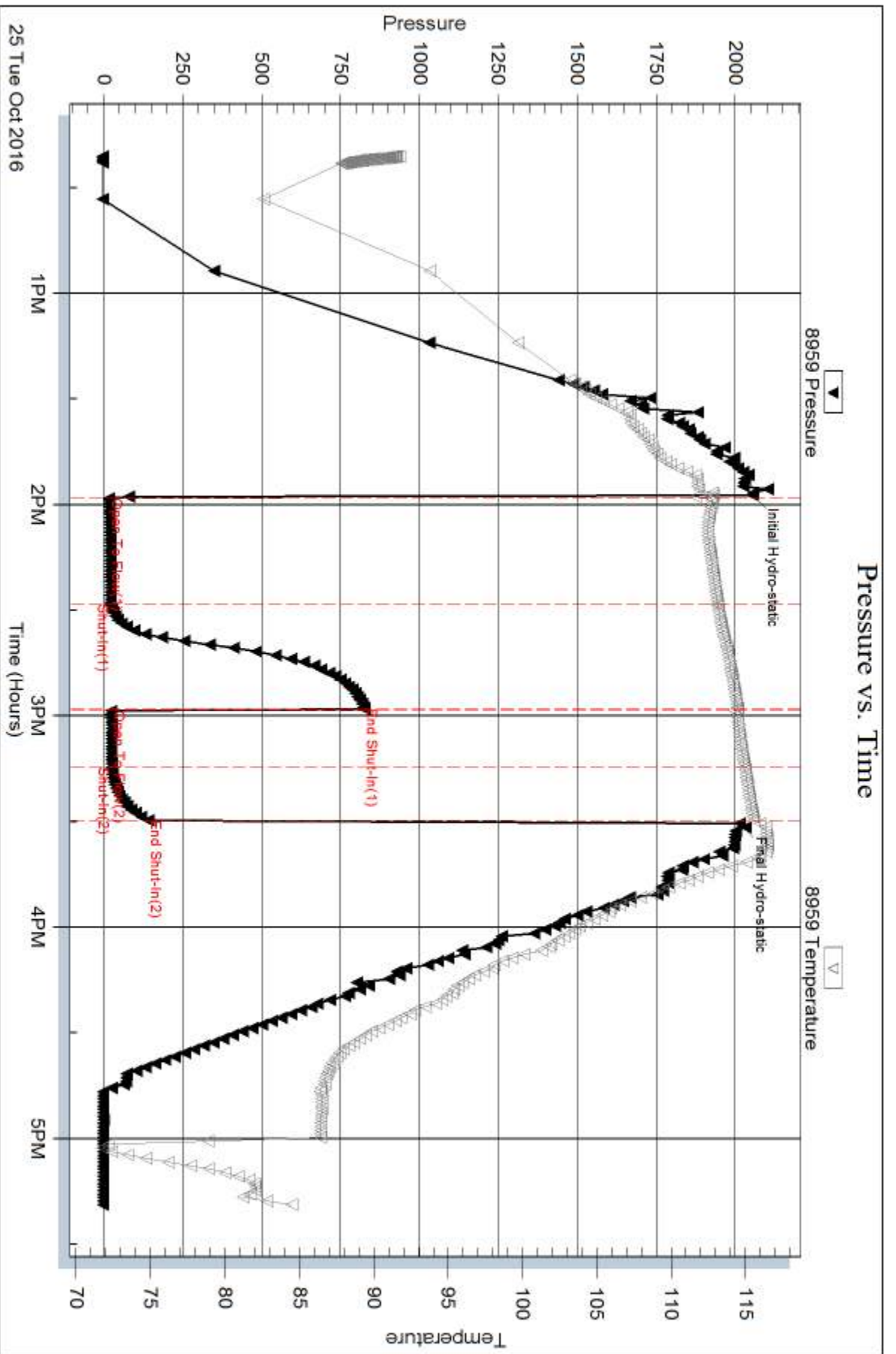
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



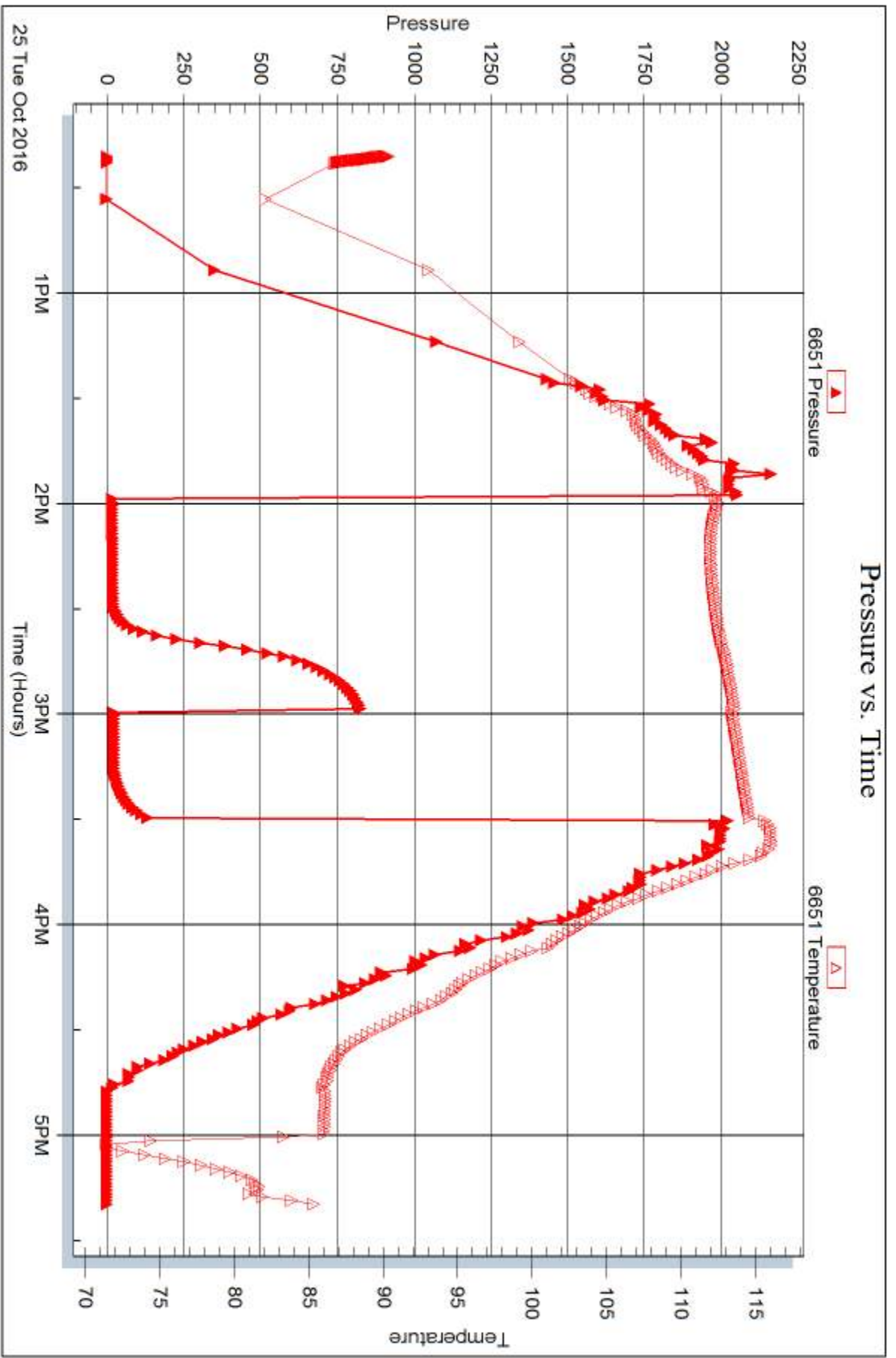
Serial #: 6651

Inside

Blue Goose Drilling Company, Inc.

Neeley A #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 61296

Printed: 2016.11.07 @ 16:11:53



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company, Inc.**

PO Box 1413
Great Bend, KS 67530

ATTN: Ken Wallace

Neeley A #1

10-18S-27W Lane, KS

Start Date: 2016.10.26 @ 03:59:08

End Date: 2016.10.26 @ 11:33:38

Job Ticket #: 61297 DST #: 2

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

Printed: 2016.11.07 @ 16:11:27



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61297

DST#: 2

ATTN: Ken Wallace

Test Start: 2016.10.26 @ 03:59:08

GENERAL INFORMATION:

Formation: **LKC "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:23:08

Time Test Ended: 11:33:38

Test Type: Conventional Bottom Hole (Reset)

Tester: Brannan Lonsdale

Unit No: 73

Interval: 4225.00 ft (KB) To 4297.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4297.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8959

Outside

Press@RunDepth: 247.20 psig @ 4226.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.10.26

End Date:

2016.10.26

Last Calib.:

2016.10.26

Start Time: 03:59:09

End Time:

11:33:38

Time On Btm:

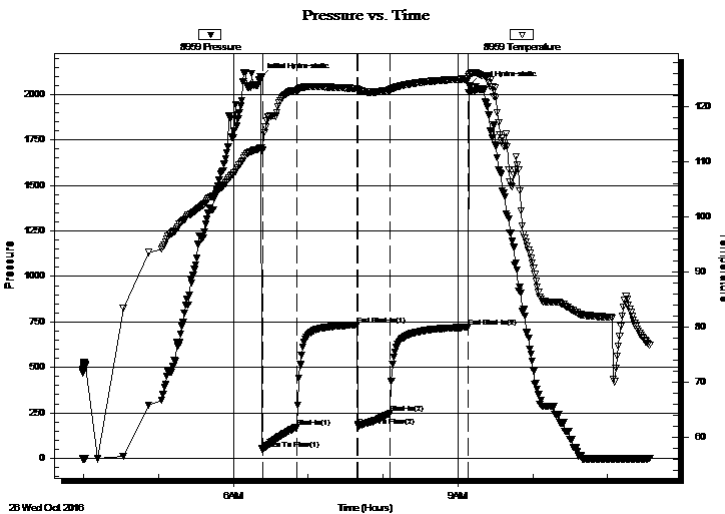
2016.10.26 @ 06:22:08

Time Off Btm:

2016.10.26 @ 09:09:08

TEST COMMENT: 30- IF- BOB 3 mins
45- IS- Surface blow
30- FF- BOB 7 mins
60- FS- Slow ly built to 1 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.17	112.54	Initial Hydro-static
1	50.96	111.96	Open To Flow (1)
29	172.06	122.89	Shut-In(1)
77	733.58	123.25	End Shut-In(1)
78	179.37	122.95	Open To Flow (2)
104	247.20	123.00	Shut-In(2)
166	721.40	124.96	End Shut-In(2)
167	2048.84	125.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	WOCM, 20%O 35%W 45%M	1.79
347.00	VGWMCO, 40%G 30%O 15%W 15%M	4.92
100.00	CGO, 20%G 80%O	1.42
0.00	1067' GIP	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61297

DST#: 2

ATTN: Ken Wallace

Test Start: 2016.10.26 @ 03:59:08

Tool Information

Drill Pipe:	Length: 4208.00 ft	Diameter: 3.82 inches	Volume: 59.65 bbl	Tool Weight: 2800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 47000.00 lb
			<u>Total Volume: 59.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4225.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 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			4199.00	
Shut In Tool	5.00			4204.00	
Hydraulic tool	5.00			4209.00	
Jars	5.00			4214.00	
Safety Joint	2.00			4216.00	
Packer	5.00			4221.00	27.00 Bottom Of Top Packer
Packer	4.00			4225.00	
Stubb	1.00			4226.00	
Recorder	0.00	6651	Inside	4226.00	
Recorder	0.00	8959	Outside	4226.00	
Perforations	4.00			4230.00	
Change Over Sub	1.00			4231.00	
Drill Pipe	62.00			4293.00	
Change Over Sub	1.00			4294.00	
Bullnose	3.00			4297.00	72.00 Bottom Packers & Anchor

Total Tool Length: 99.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61297

DST#: 2

ATTN: Ken Wallace

Test Start: 2016.10.26 @ 03:59:08

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

63000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
126.00	WOCM, 20%O 35%W 45%M	1.786
347.00	VGWMCO, 40%G 30%O 15%W 15%M	4.919
100.00	CGO, 20%G 80%O	1.418
0.00	1067' GIP	0.000

Total Length: 573.00 ft

Total Volume: 8.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

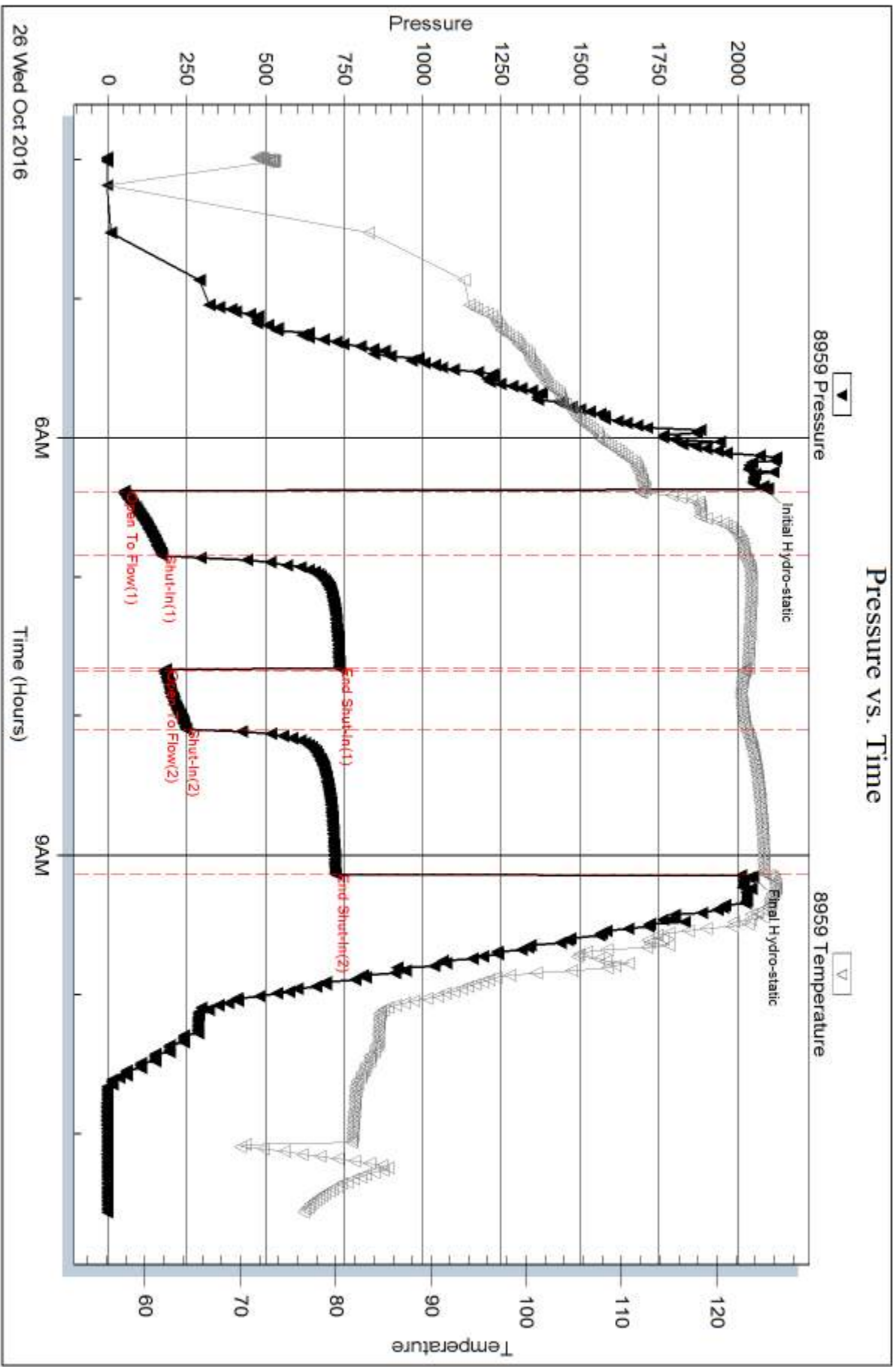
Recovery Comments: RW: .12@62deg

Serial #: 8959

Outside Blue Goose Drilling Company, Inc.

Neeley A #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 61297

Printed: 2016.11.07 @ 16:11:28

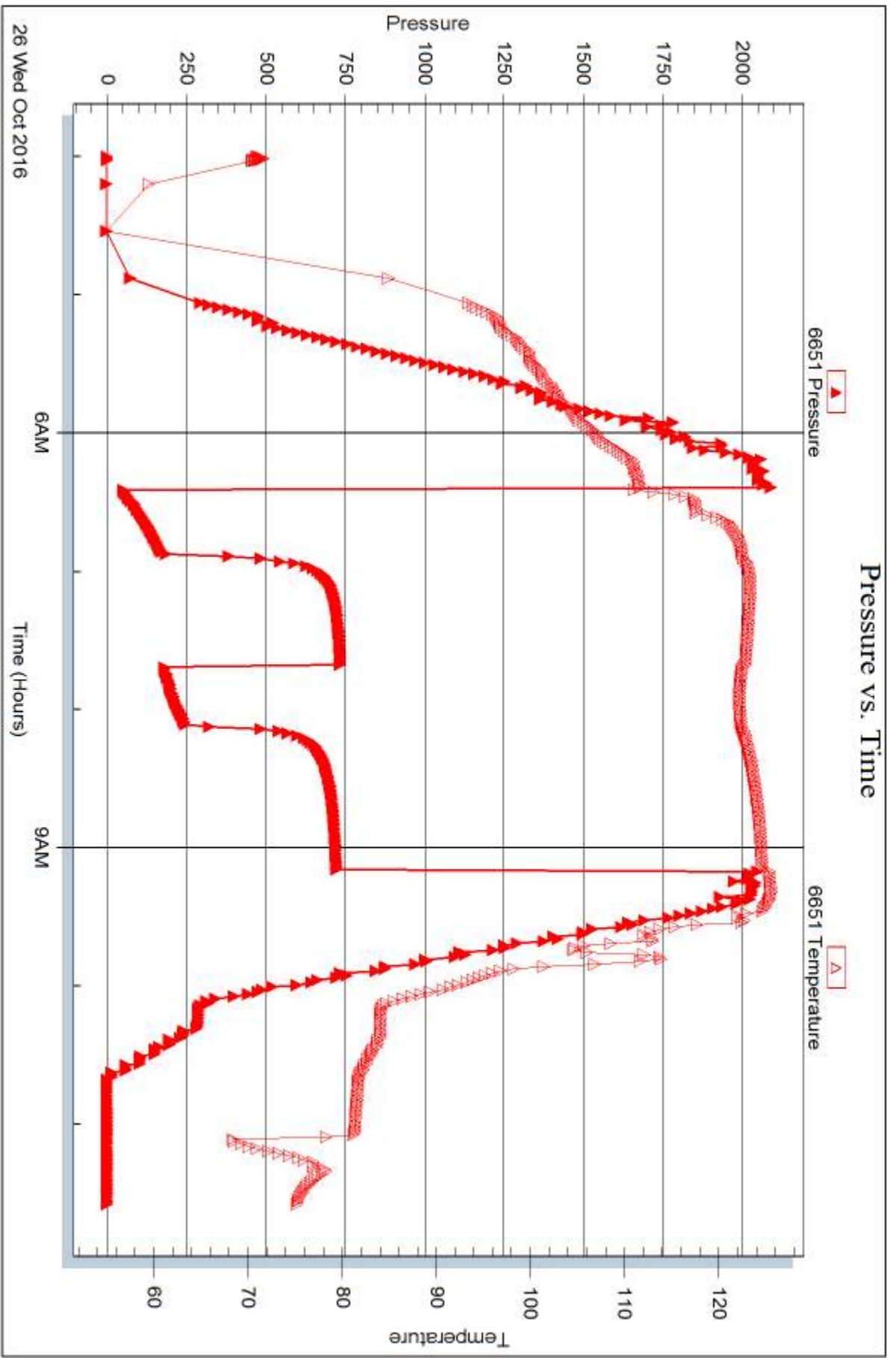
Serial #: 6651

Inside

Blue Goose Drilling Company, Inc.

Neeley A #1

DST Test Number: 2



26 Wed Oct 2016

6AM

Time (Hours)

9AM

Trilobite Testing, Inc

Ref. No: 61297

Printed: 2016.11.07 @ 16:11:28



DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company, Inc.**

PO Box 1413
Great Bend, KS 67530

ATTN: Ken Wallace

Neeley A #1

10-18S-27W Lane, KS

Start Date: 2016.11.04 @ 07:40:00

End Date: 2016.11.04 @ 14:27:00

Job Ticket #: 61950 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.11.07 @ 16:11:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61950

DST#: 3

ATTN: Ken Wallace

Test Start: 2016.11.04 @ 07:40:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:46:00

Time Test Ended: 14:27:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4309.00 ft (KB) To 4336.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999 Inside

Press@RunDepth: 27.73 psig @ 4332.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.04

End Date:

2016.11.04

Last Calib.:

2016.11.04

Start Time: 07:40:05

End Time:

14:26:59

Time On Btm:

2016.11.04 @ 09:45:30

Time Off Btm:

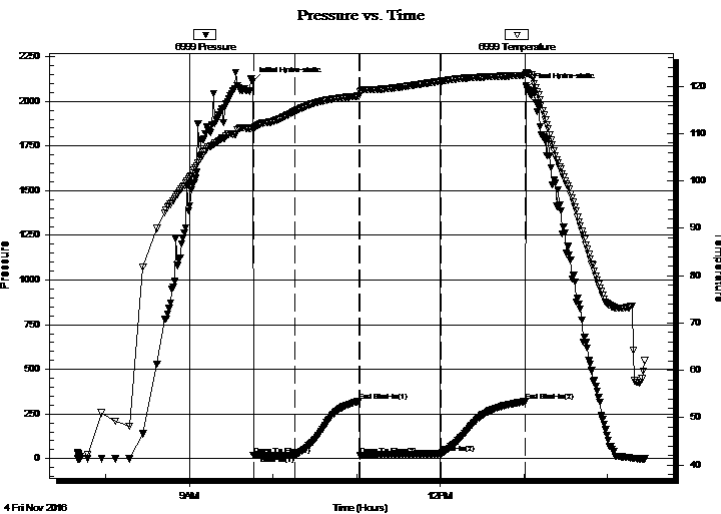
2016.11.04 @ 13:02:00

TEST COMMENT: IFP 30 minutes Blow built to 3 1/2"

ISI 45 minutes No blow back

FFP 60 minutes Blow built to 11"

FSI 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.36	111.13	Initial Hydro-static
1	19.82	110.79	Open To Flow (1)
31	19.84	114.73	Shut-In(1)
76	320.90	117.90	End Shut-In(1)
77	16.68	118.77	Open To Flow (2)
135	27.73	121.07	Shut-In(2)
196	319.08	122.33	End Shut-In(2)
197	2077.14	122.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Emulsified Oil	0.42
0.00	150 Gas in pipe	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61950

DST#: 3

ATTN: Ken Wallace

Test Start: 2016.11.04 @ 07:40:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:46:00

Time Test Ended: 14:27:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4309.00 ft (KB) To 4336.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4336.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8960 Outside

Press@RunDepth: 318.58 psig @ 4333.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.04

End Date:

2016.11.04

Last Calib.:

2016.11.04

Start Time: 07:40:05

End Time:

14:26:29

Time On Btm:

2016.11.04 @ 09:45:00

Time Off Btm:

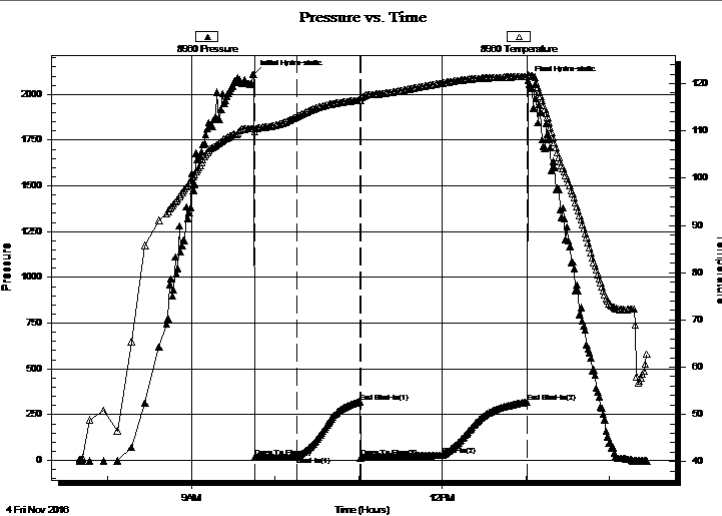
2016.11.04 @ 13:01:30

TEST COMMENT: IFP 30 minutes Blow built to 3 1/2"

ISI 45 minutes No blow back

FFP 60 minutes Blow built to 11"

FSI 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2107.95	110.54	Initial Hydro-static
1	16.96	109.82	Open To Flow (1)
31	19.24	113.04	Shut-In(1)
76	320.66	116.52	End Shut-In(1)
77	14.08	116.34	Open To Flow (2)
135	26.21	120.12	Shut-In(2)
196	318.58	121.51	End Shut-In(2)
197	2076.28	121.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Emulsified Oil	0.42
0.00	150 Gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61950

DST#: 3

ATTN: Ken Wallace

Test Start: 2016.11.04 @ 07:40:00

Tool Information

Drill Pipe:	Length: 4310.00 ft	Diameter: 3.80 inches	Volume: 60.46 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 58000.00 lb
			<u>Total Volume: 60.46 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4309.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4287.00	
Hydraulic tool	5.00			4292.00	
Jars	5.00			4297.00	
Safety Joint	2.00			4299.00	
Top Packer	5.00			4304.00	
Packer	5.00			4309.00	27.00 Bottom Of Top Packer
Anchor	22.00			4331.00	
Recorder	1.00	6999	Inside	4332.00	
Recorder	1.00	8960	Outside	4333.00	
Bullnose	3.00			4336.00	27.00 Anchor Tool
Total Tool Length:	54.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 61950

DST#: 3

ATTN: Ken Wallace

Test Start: 2016.11.04 @ 07:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Emulsified Oil	0.421
0.00	150 Gas in pipe	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

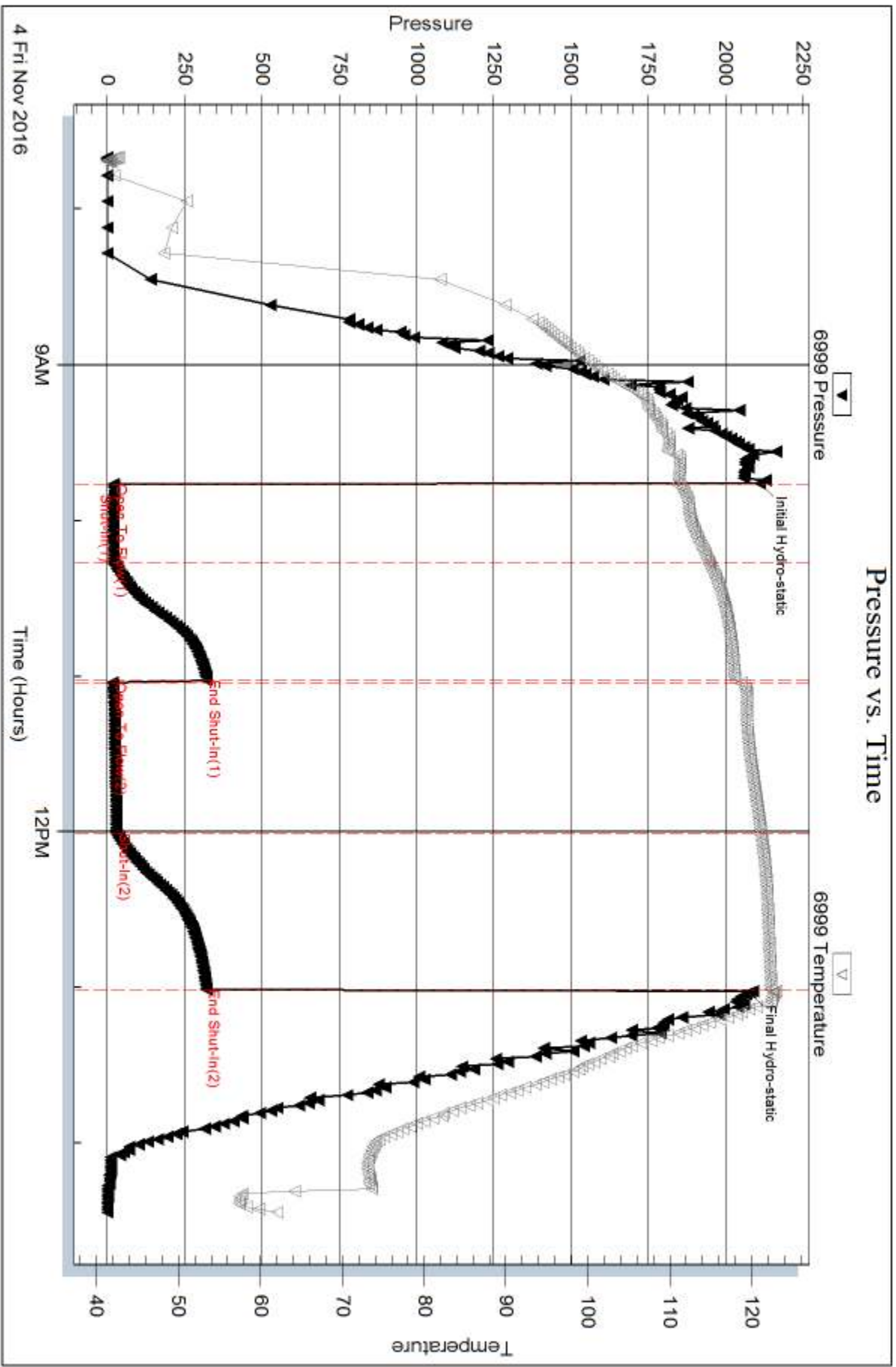
Serial #: 6999

Inside

Blue Goose Drilling Company, Inc.

Neeley A #1

DST Test Number: 3

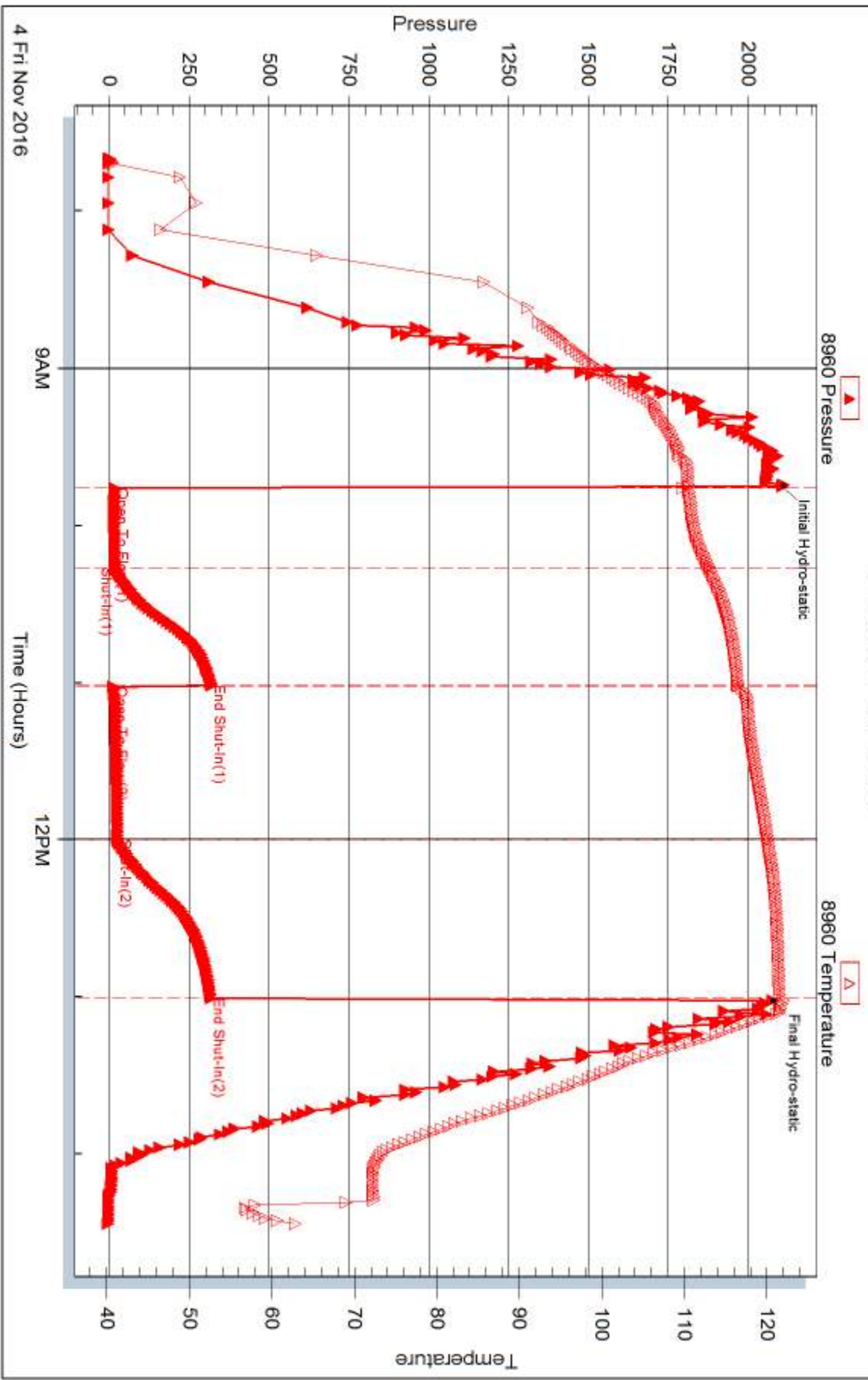


Trilobite Testing, Inc

Ref. No: 61950

Printed: 2016.11.07 @ 16:11:05

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Blue Goose Drilling Company, Inc.**

PO Box 1413
Great Bend, KS 67530

ATTN: Ken Wallace

Neeley A #1

10-18S-27W Lane, KS

Start Date: 2016.11.05 @ 13:01:00

End Date: 2016.11.05 @ 20:17:00

Job Ticket #: 63676 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2016.11.07 @ 16:09:48



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 63676

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.11.05 @ 13:01:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:33:30

Time Test Ended: 20:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4474.00 ft (KB) To 4517.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4517.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6999 Inside

Press@RunDepth: 123.16 psig @ 4513.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.05

End Date:

2016.11.05

Last Calib.:

2016.11.05

Start Time: 13:01:05

End Time:

20:16:59

Time On Btm:

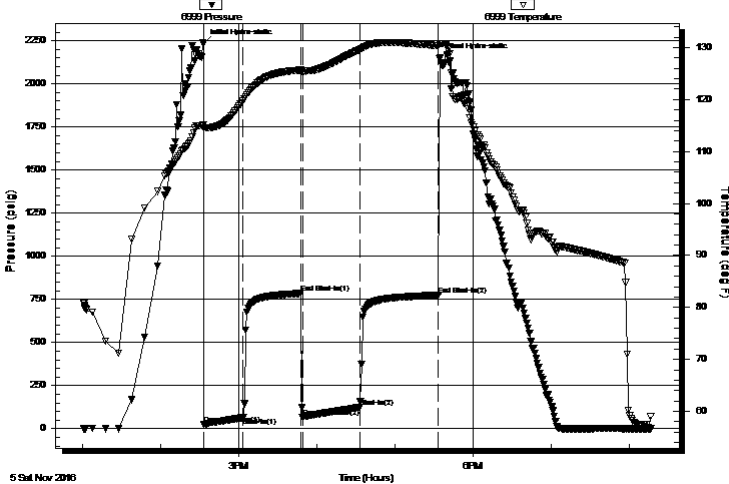
2016.11.05 @ 14:33:00

Time Off Btm:

2016.11.05 @ 17:35:00

TEST COMMENT: IFP 30 BOB in 24 minutes
ISI 45 No blow back
FFP 45 BOB in 27 minutes
FSI 60 No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2234.43	115.15	Initial Hydro-static
1	23.82	114.61	Open To Flow (1)
31	64.98	119.76	Shut-In(1)
75	785.55	125.65	End Shut-In(1)
76	66.06	125.50	Open To Flow (2)
120	123.16	129.58	Shut-In(2)
181	774.37	130.35	End Shut-In(2)
182	2150.03	130.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW w / show of oil Mud 25% Water 75%	3.09
10.00	CO 100%	0.14
0.00	70 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 63676

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.11.05 @ 13:01:00

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:33:30

Time Test Ended: 20:17:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72

Interval: 4474.00 ft (KB) To 4517.00 ft (KB) (TVD)

Reference Elevations: 2689.00 ft (KB)

Total Depth: 4517.00 ft (KB) (TVD)

2679.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8960 Outside

Press@RunDepth: 772.58 psig @ 4514.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.11.05

End Date:

2016.11.05

Last Calib.:

2016.11.05

Start Time: 13:01:05

End Time:

20:16:29

Time On Btm:

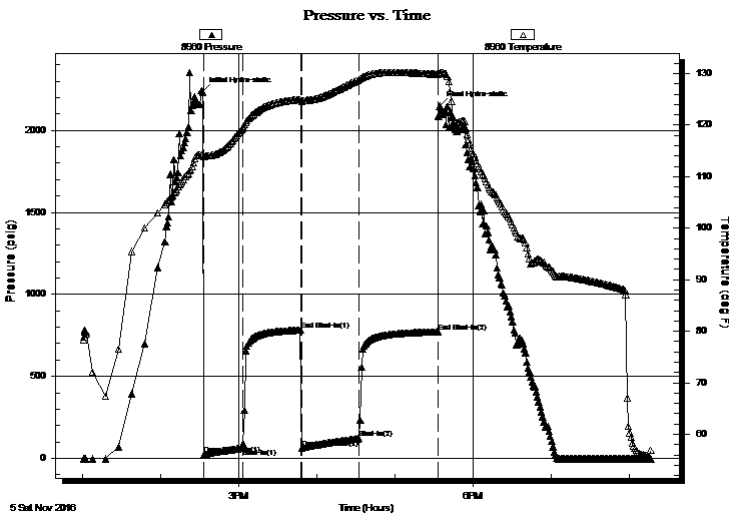
2016.11.05 @ 14:32:30

Time Off Btm:

2016.11.05 @ 17:34:30

TEST COMMENT: IFP 30 BOB in 24 minutes
ISI 45 No blow back
FFP 45 BOB in 27 minutes
FSI 60 No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2233.39	114.45	Initial Hydro-static
1	22.41	113.96	Open To Flow (1)
31	63.50	119.38	Shut-In(1)
75	783.65	124.96	End Shut-In(1)
76	64.49	124.67	Open To Flow (2)
120	121.68	128.80	Shut-In(2)
181	772.58	129.83	End Shut-In(2)
182	2148.51	130.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	MW w / show of oil Mud 25% Water 75%	3.09
10.00	CO 100%	0.14
0.00	70 gas in pipe	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 63676

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.11.05 @ 13:01:00

Tool Information

Drill Pipe:	Length: 4470.00 ft	Diameter: 3.80 inches	Volume: 62.70 bbl	Tool Weight: 2000.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 62.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4474.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			4452.00	
Hydraulic tool	5.00			4457.00	
Jars	5.00			4462.00	
Safety Joint	2.00			4464.00	
Top Packer	5.00			4469.00	
Packer	5.00			4474.00	27.00 Bottom Of Top Packer
Anchor	38.00			4512.00	
Recorder	1.00	6999	Inside	4513.00	
Recorder	1.00	8960	Outside	4514.00	
Bullnose	3.00			4517.00	43.00 Anchor Tool
Total Tool Length:	70.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Blue Goose Drilling Company, Inc.

10-18S-27W Lane, KS

PO Box 1413
Great Bend, KS 67530

Neeley A #1

Job Ticket: 63676

DST#: 4

ATTN: Ken Wallace

Test Start: 2016.11.05 @ 13:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	MW w/ show of oil Mud 25% Water 75%	3.086
10.00	CO 100%	0.140
0.00	70 gas in pipe	0.000

Total Length: 230.00 ft Total Volume: 3.226 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Recovery Resistivity .37 ohms @ 63 degrees

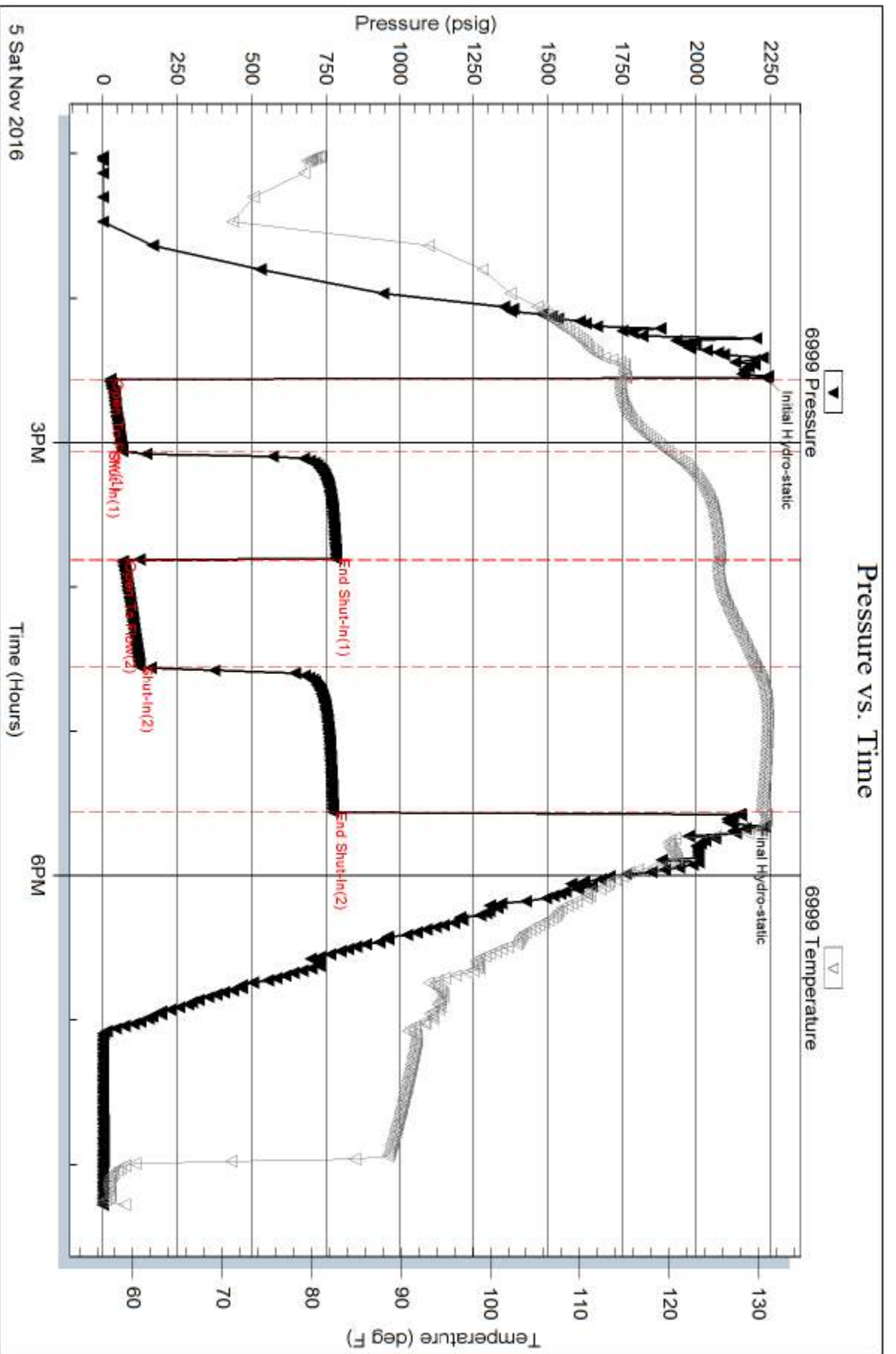
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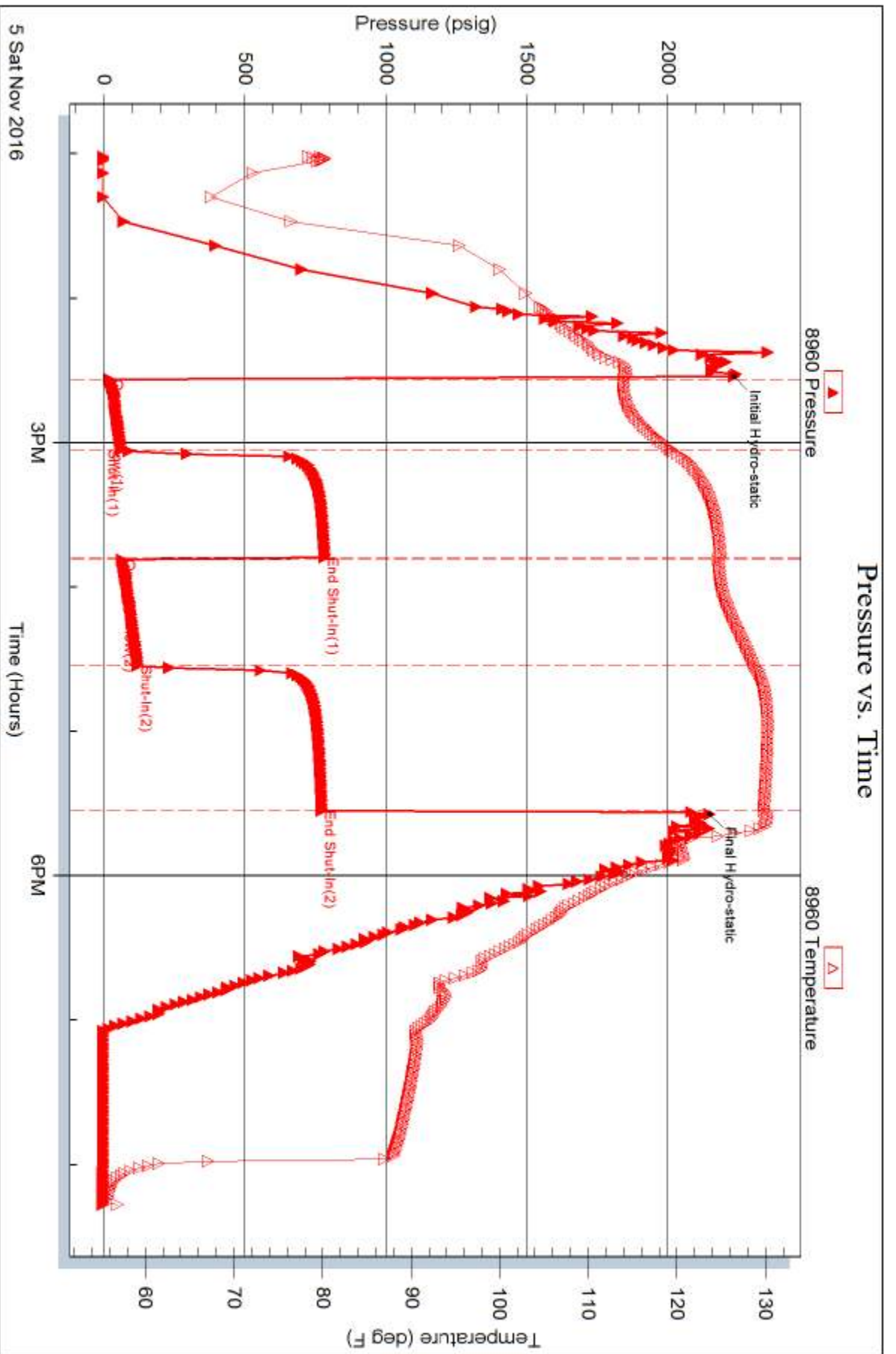
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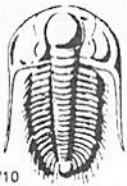
Blue Goose Drilling Company, Inc.

Neeley A #1

DST Test Number: 4







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61296

Well Name & No. Neela, A #1 Test No. 1 Date 10/25/16
 Company Blue Cross Drilling Co Inc Elevation 2659 KB 2679 GL
 Address Box 1413 Grand Bend KS
 Co. Rep / Geo. Ken Wallace Rig South wind #1
 Location: Sec. 10 Twp. 18S Rge. 27W Co. Love State KS

Interval Tested 4204-4236 Zone Tested L KC
 Anchor Length 32 Drill Pipe Run 4156 Mud Wt. 9.3
 Top Packer Depth 4209 Drill Collars Run _____ Vis 50
 Bottom Packer Depth 4204 Wt. Pipe Run _____ WL 8.4
 Total Depth 4236 Chlorides _____ ppm System LCM _____
 Blow Description 30 weck '14" blow died in 25 minutes
30- ISF noblow FF noblow
~~FSI - noblow~~

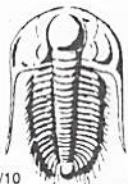
Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>0.5M</u>		<u>3</u>	<u>7D</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2053 Test 1150 T-On Location 1045
 (B) First Initial Flow 18 Jars 250 T-Started 1221
 (C) First Final Flow 22 Safety Joint 75 T-Open 1358
 (D) Initial Shut-In 824 Circ Sub _____ T-Pulled 1528
 (E) Second Initial Flow 24 Hourly Standby _____ T-Out _____
 (F) Second Final Flow 25 Mileage ? South City 68rt 51 Comments _____
 (G) Final Shut-In 141 Sampler _____
 (H) Final Hydrostatic 2014 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1526
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 15 Sub Total 1526

Approved By Ken Wallace Our Representative Paul Simpson

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 61297

4/10

Well Name & No. Neeley A Test No. 2 Date 10/26/16
 Company Blue Coarse Drilling Company, Inc Elevation 2689 KB 2679 GL
 Address PO Box 1413 Great Bend, KS 67530
 Co. Rep / Geo. Ken Wallace Rig Southwind #1
 Location: Sec. 10 Twp. 18 S Rge. 27 W Co. Lane State KS

Interval Tested 4225-4297 Zone Tested LKC "2"
 Anchor Length 72' Drill Pipe Run 4208 Mud Wt. 9.3
 Top Packer Depth 4220 Drill Collars Run — Vis 50
 Bottom Packer Depth 4225 Wt. Pipe Run — WL 8.4
 Total Depth 4297 Chlorides 4,000 ppm System LCM 1#

Blow Description IF- BOB 3 mins
ISI- Surface blow
FF- BOB 7 mins
PSI- slowly built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>126</u>	<u>Feet of WOCM</u>	<u>20</u>	<u>35</u>	<u>45</u>	<u>—</u>
<u>347</u>	<u>Feet of VGMMLO</u>	<u>40</u>	<u>30</u>	<u>15</u>	<u>15</u>
<u>100</u>	<u>Feet of GO</u>	<u>20</u>	<u>80</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>Feet of 1067' CIP</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
<u>—</u>	<u>Feet of</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>

Rec Total 573' BHT 125° Gravity 37 API RW .12 @ 62 ° F Chlorides 63006 ppm

(A) Initial Hydrostatic <u>2091</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>0328</u>
(B) First Initial Flow <u>51</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0359</u>
(C) First Final Flow <u>122</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0623</u>
(D) Initial Shut-In <u>234</u>	<input type="checkbox"/> Circ Sub <u>—</u>	T-Pulled <u>0908</u>
(E) Second Initial Flow <u>179</u>	<input type="checkbox"/> Hourly Standby <u>—</u>	T-Out <u>1134</u>
(F) Second Final Flow <u>247</u>	<input checked="" type="checkbox"/> Mileage <u>PF RT x 2</u>	Comments <u>Tools loaded</u>
(G) Final Shut-In <u>721</u>	<input type="checkbox"/> Sampler <u>51+51</u>	<u>10/26 @ 1715 for</u>
(H) Final Hydrostatic <u>2049</u>	<input type="checkbox"/> Straddle <u>—</u>	<u>rig repairs</u>

<input type="checkbox"/> Ruined Shale Packer <u>—</u>	<input type="checkbox"/> Ruined Packer <u>—</u>
<input type="checkbox"/> Extra Packer <u>—</u>	<input type="checkbox"/> Extra Copies <u>—</u>
<input type="checkbox"/> Extra Recorder <u>—</u>	Sub Total <u>0</u>
<input type="checkbox"/> Day Standby <u>—</u>	Total <u>1577</u>
<input type="checkbox"/> Accessibility <u>—</u>	MP/DST Disc't <u>—</u>
Sub Total <u>1577</u>	

Approved By _____ Our Representative Brannan Lonsdale

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **61950**

Well Name & No. Neely A #1 Test No. 3 Date 4 NOV 16
 Company Blue Goose Drilling Company Inc. Elevation 2689 KB 2679 GL
 Address PO Box 1413 Great Bend KS 67530
 Co. Rep / Geo. Ken Wallace Rig Southwind Rig 1
 Location: Sec. 10 Twp. 18S Rge. 27W Co. Lane State KS

Interval Tested 4309-4336 Zone Tested Pleasanton
 Anchor Length 27 Drill Pipe Run 4310 Mud Wt. 8.8
 Top Packer Depth 4304 Drill Collars Run — Vis 68
 Bottom Packer Depth 4309 Wt. Pipe Run — WL 7.2
 Total Depth 4336 Chlorides 6100 ppm System LCM 1 #

Blow Description I.F Blow built to 3 1/2 inches
I.S.I No blow back
F.F Blow built to 11 inches
F.S.I No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>Emulsified oil</u>				
<u>150</u>	<u>Gas in Pipe</u>				

Rec Total _____ BHT 122 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>2110</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>6:59 am</u>
(B) First Initial Flow <u>19</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>7:40 am</u>
(C) First Final Flow <u>19</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>9:46 am</u>
(D) Initial Shut-In <u>320</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>1:01 AM</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>2:27 pm</u>
(F) Second Final Flow <u>27</u>	<input checked="" type="checkbox"/> Mileage <u>68</u> 51	Comments _____
(G) Final Shut-In <u>319</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>2077</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>60</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby _____	Total <u>1526</u>
	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____
	Sub Total <u>1526</u>	

Approved By Ken Wallace Our Representative [Signature]

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **63676**

Well Name & No. Neely A #1 Test No. 4 Date 5 NOV 16
 Company Blue goose Drilling Inc. Elevation 2689 KB 2679 GL
 Address PO Box 1413 Great Bend Kansas 67530
 Co. Rep / Geo. Ken Wallace Rig Southwind 1
 Location: Sec. 10 Twp. 18S Rge. 27W Co. Lane State KS

Interval Tested 4474-4517 Zone Tested Fort Scott
 Anchor Length 43 Drill Pipe Run 4470 Mud Wt. 9.2
 Top Packer Depth 4469 Drill Collars Run - Vis 56
 Bottom Packer Depth 4474 Wt. Pipe Run - WL 8.8
 Total Depth 4517 Chlorides 5,800 ppm System LCM 1#

Blow Description I.F. Blow built to bottom of bucket in 24 minutes
I.S.I. No blow back
F.F. Blow built to bottom of bucket in 27 minutes
F.S.I. No blow back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>Clean 0.1</u>	<u>100</u>			
<u>220</u>	<u>Muddy Water w/show of oil</u>			<u>75</u>	<u>25</u>
<u>70</u>	<u>gas in pipe</u>	<u>100</u>			

Rec Total 230 BHT 130 Gravity 38 API RW .37 @ 63 °F Chlorides 19,000 ppm

(A) Initial Hydrostatic <u>2734</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>11:44 pm</u>
(B) First Initial Flow <u>23</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>1:01 pm</u>
(C) First Final Flow <u>64</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2:32 pm</u>
(D) Initial Shut-In <u>785</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>5:32 pm</u>
(E) Second Initial Flow <u>66</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>8:18 pm</u>
(F) Second Final Flow <u>123</u>	<input checked="" type="checkbox"/> Mileage <u>68</u> <u>51</u>	Comments
(G) Final Shut-In <u>774</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2150</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer

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

Extra Packer
 Extra Recorder
 Day Standby
 Accessibility

Sub Total 1526

Total 1526
 MP/DST Disc't

Approved By Ken Wallace Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



PIONEER
Pioneer Energy Services

**DUAL INDUCTION
LOG**

Company **BLUE GOOSE DRILLING CO., INC.**
Well **NEELEY "A" NO. 1**
Field **ALAMOTA NORTHWEST**
County **LANE** State **KANSAS**

Location: **API #: 15-101-22582-00-00**
2,310' FSL & 1,650' FWL
SEC 10 TWP 18S RGE 27W
Permanent Datum **GROUND LEVEL Elevation 2679'**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**
Other Services
**CNL/CDL
MEL**
Elevation
K.B. **2689'**
D.F. **N/A**
G.L. **2679'**

Date	11/6/2016
Run Number	ONE
Depth Driller	4660'
Depth Logger	4649'
Bottom Logged Interval	4648'
Top Log Interval	250'
Casing Driller	8.625" @ 268'
Casing Logger	265'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	4300
Density / Viscosity	9.0 51
pH / Fluid Loss	9.0 9.6
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.90 @ 68
Rmt @ Meas. Temp	.68 @ 68
Rmc @ Meas. Temp	1.22 @ 68
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.50 @ 123
Operating Rig Time	2 1/2 HOURS
Max Rec. Temp. F	123
Equipment Number	108
Location	COLBY
Recorded By	J. LONG
Witnessed By	KEN WALLACE

<<< 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.
DIGHTON, EAST TO TURKEY RED ROAD, 1 1/2 NORTH, EAST INTO ON FARM HOUSE SOUTH ENTRANCE, FOLLOW TRAIL EAST AND NORTH

Log Measured From: KELLY BUSHING 10 Ft. Above Permanent Datum

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

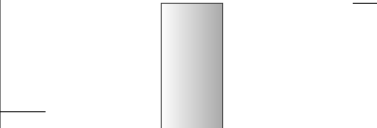
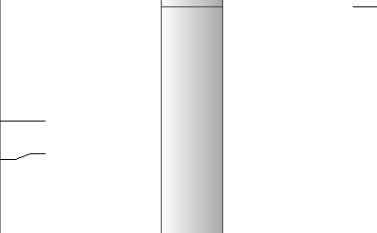
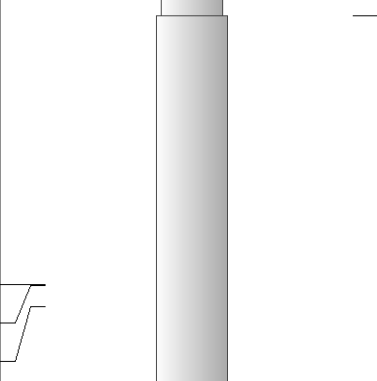
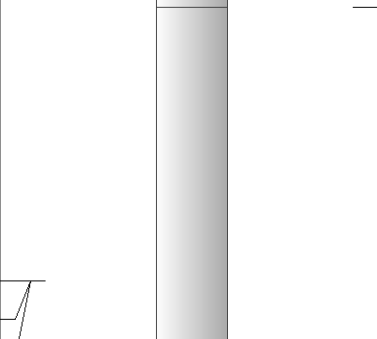
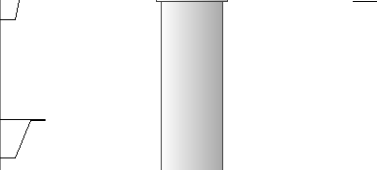
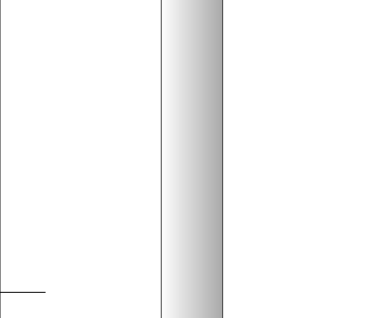
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: KEN WALLACE
Operator: C. PFEIFER	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\bluegoose_neeley_a_1.db
Dataset field/well/stackmel/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	123	4.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	0	58	Off	4649

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (71-914)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-01) Stackable Microlog Tools	7.58	4.00	65.00
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: bluegoose_neeley_a_1.db: field/well/stackmel/pass4
 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

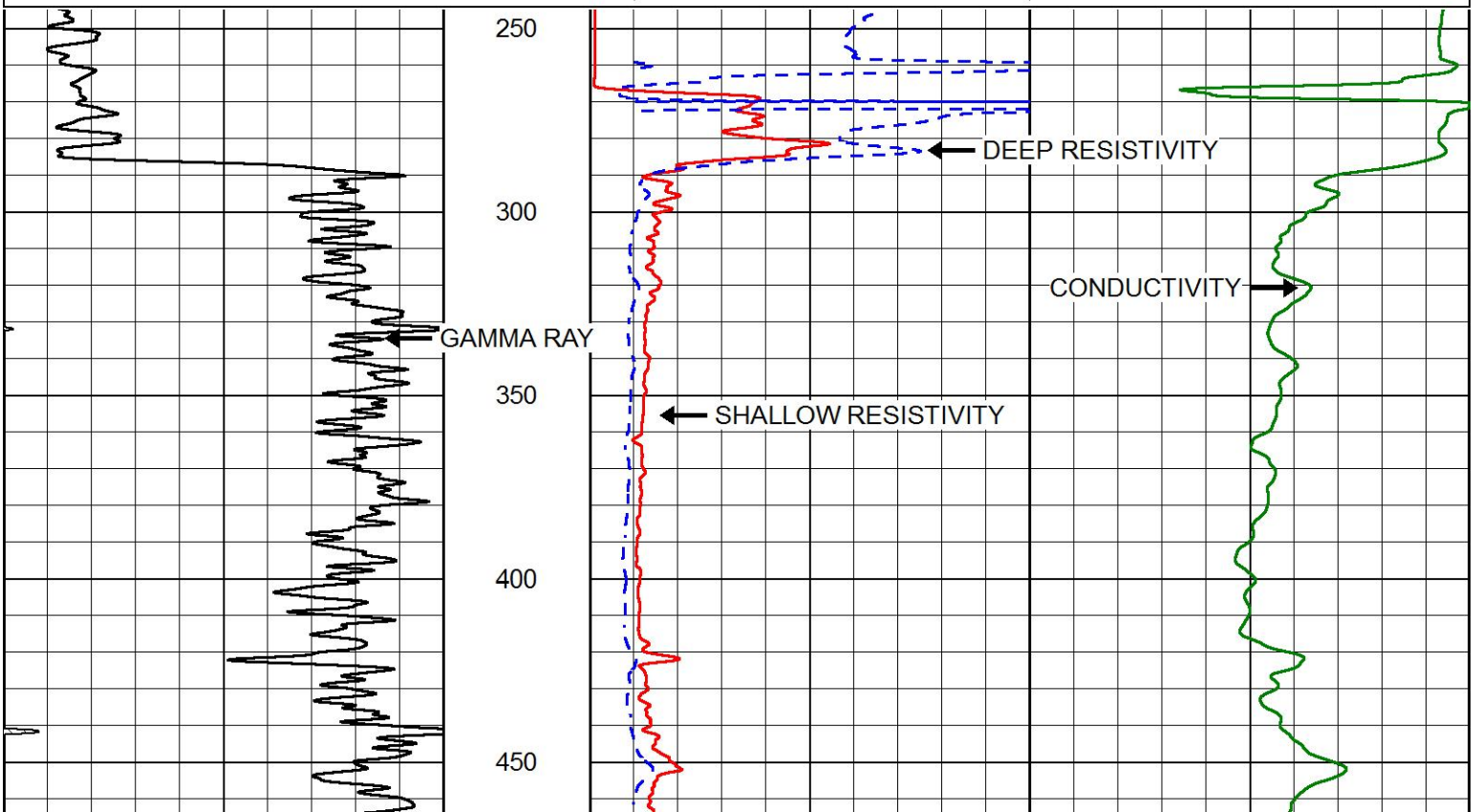


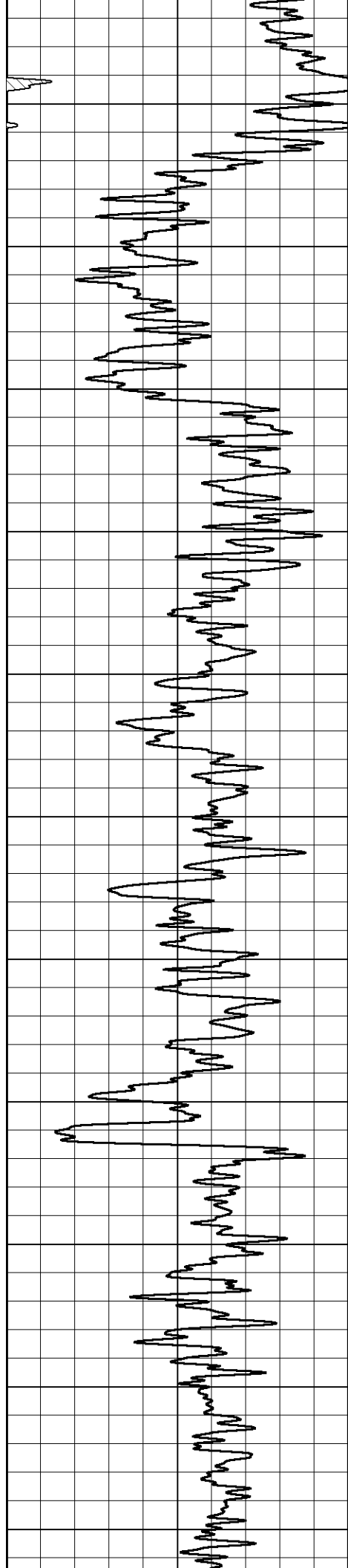
2" SCALE RESISTIVITY

MAIN PASS

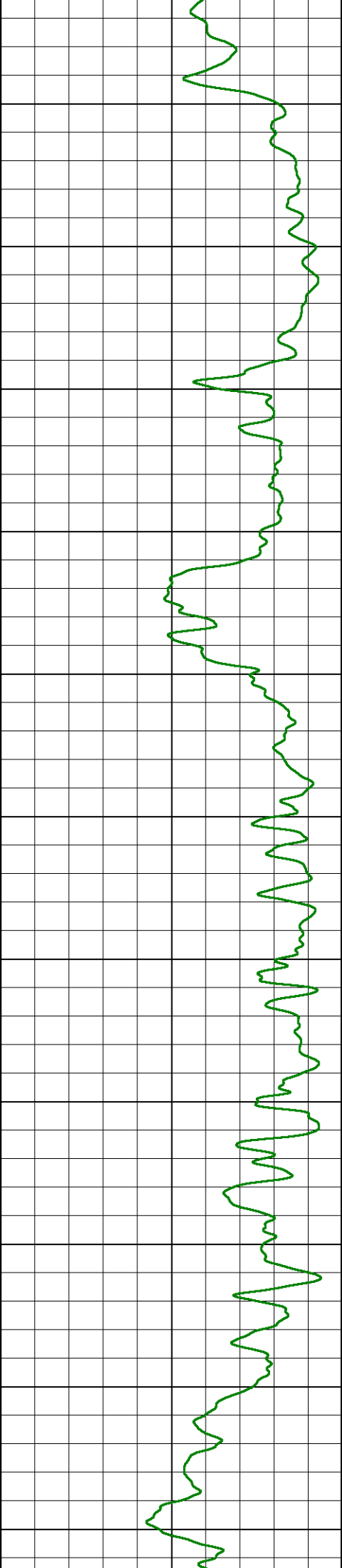
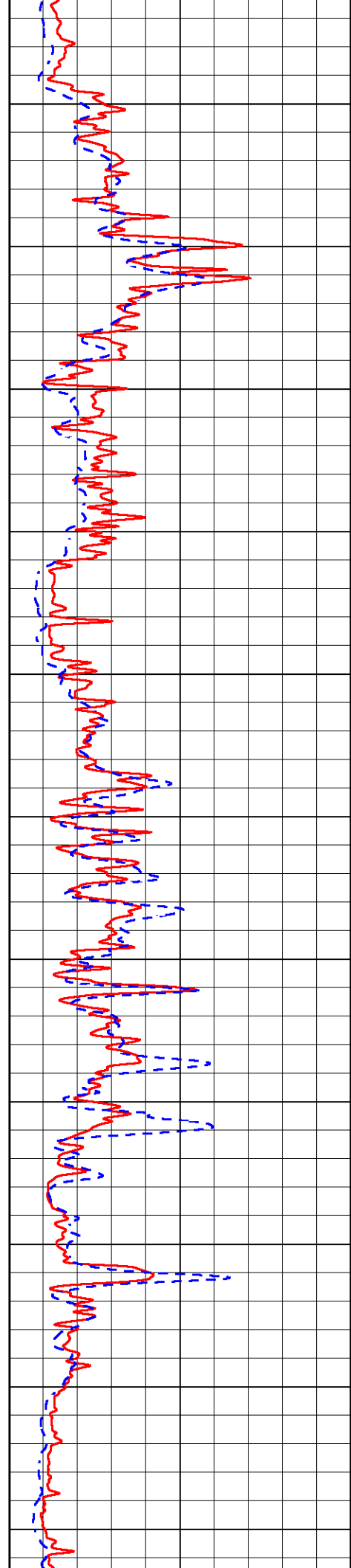
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 Dataset Pathname stackmel/pass4.2
 Presentation Format dil2in
 Dataset Creation Sun Nov 06 16:35:29 2016
 Charted by Depth in Feet scaled 1:600

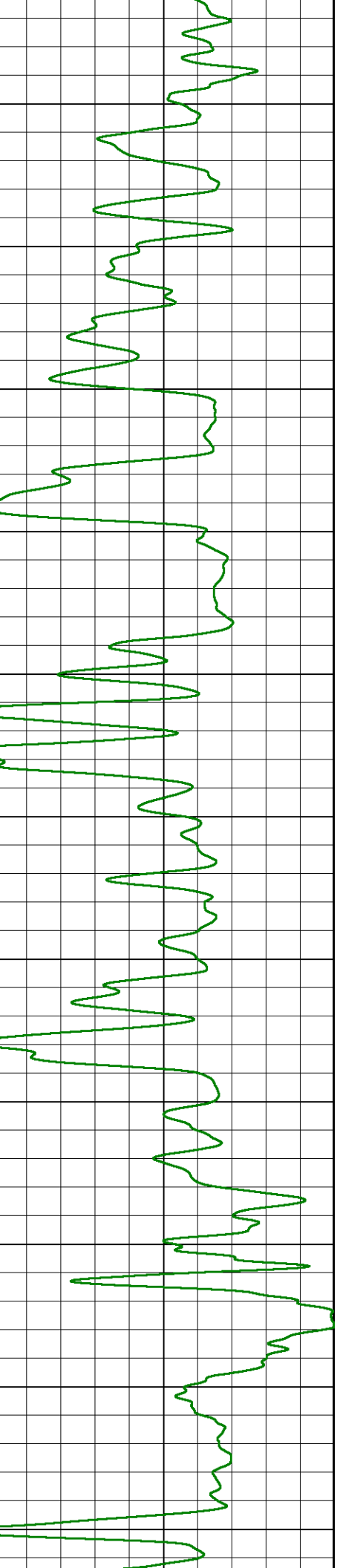
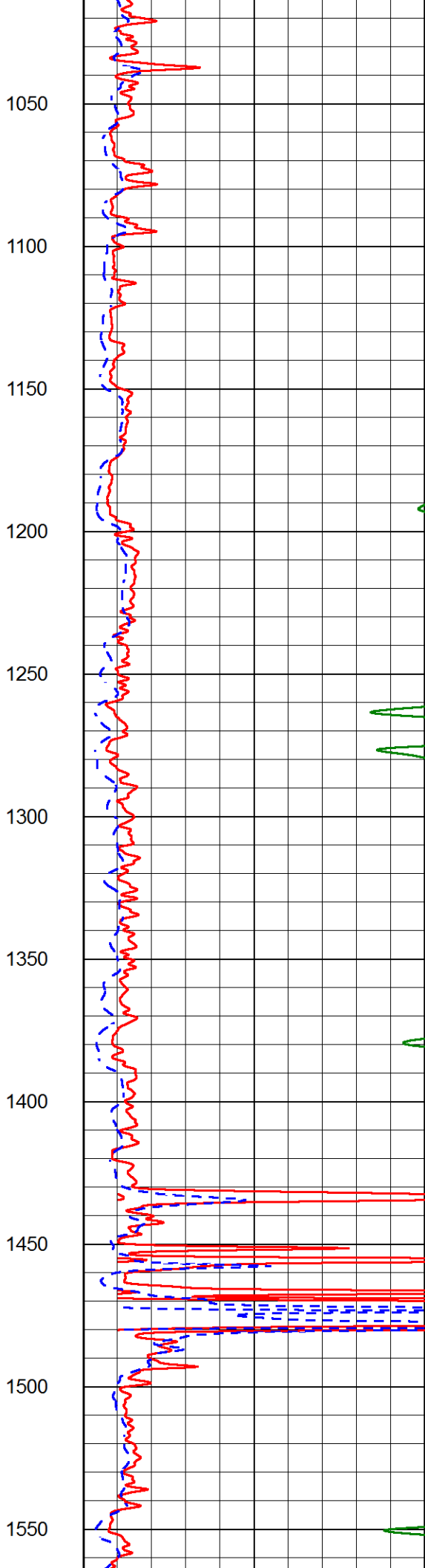
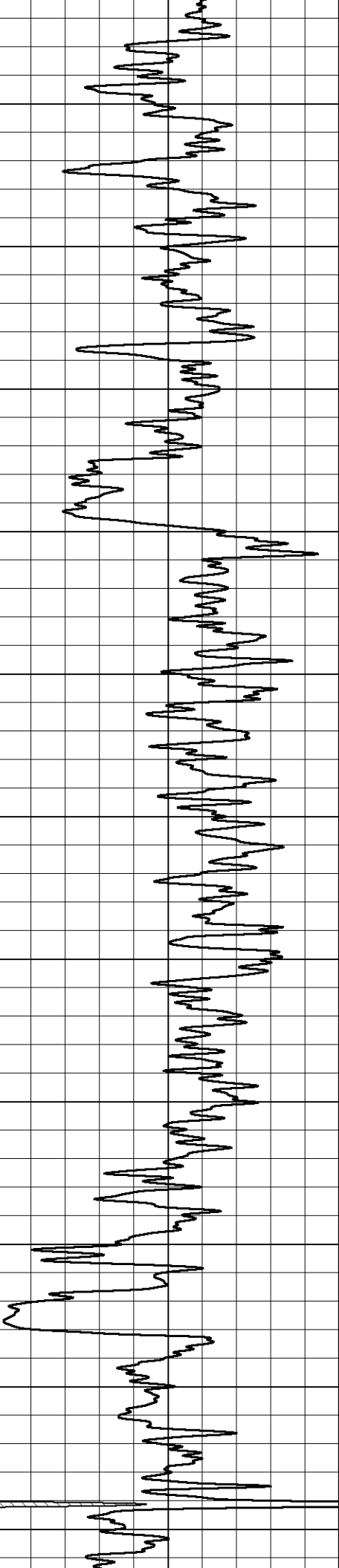
0	GAMMA RAY (GAPI)	150	1000	CONDUCTIVITY (mmho/m)	0
			SHALLOW RESISTIVITY		
			0	(Ohm-m)	50
			DEEP RESISTIVITY (Ohm-m) 50		
			SHALLOW RESISTIVITY		
			50	(Ohm-m)	500
			DEEP RESISTIVITY		
			50	(Ohm-m)	500

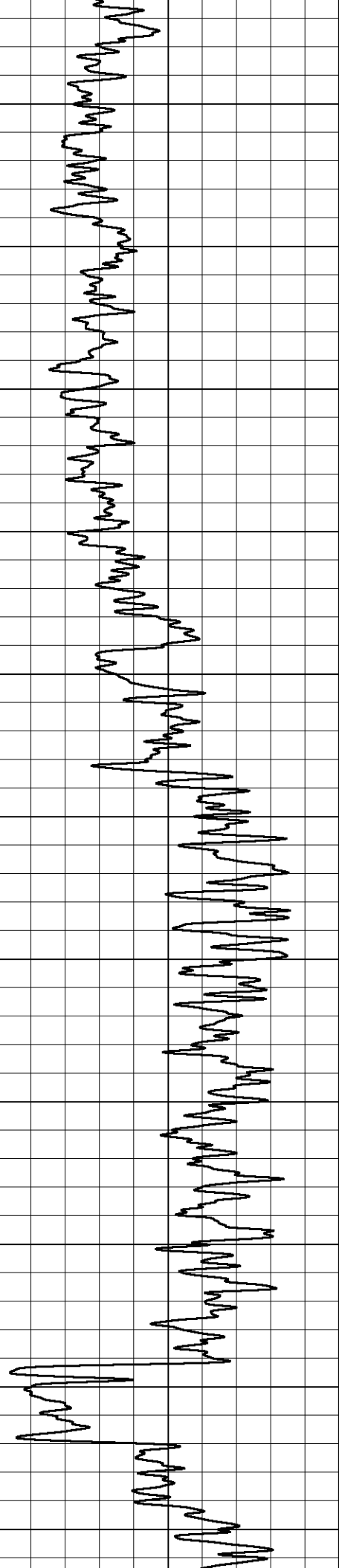




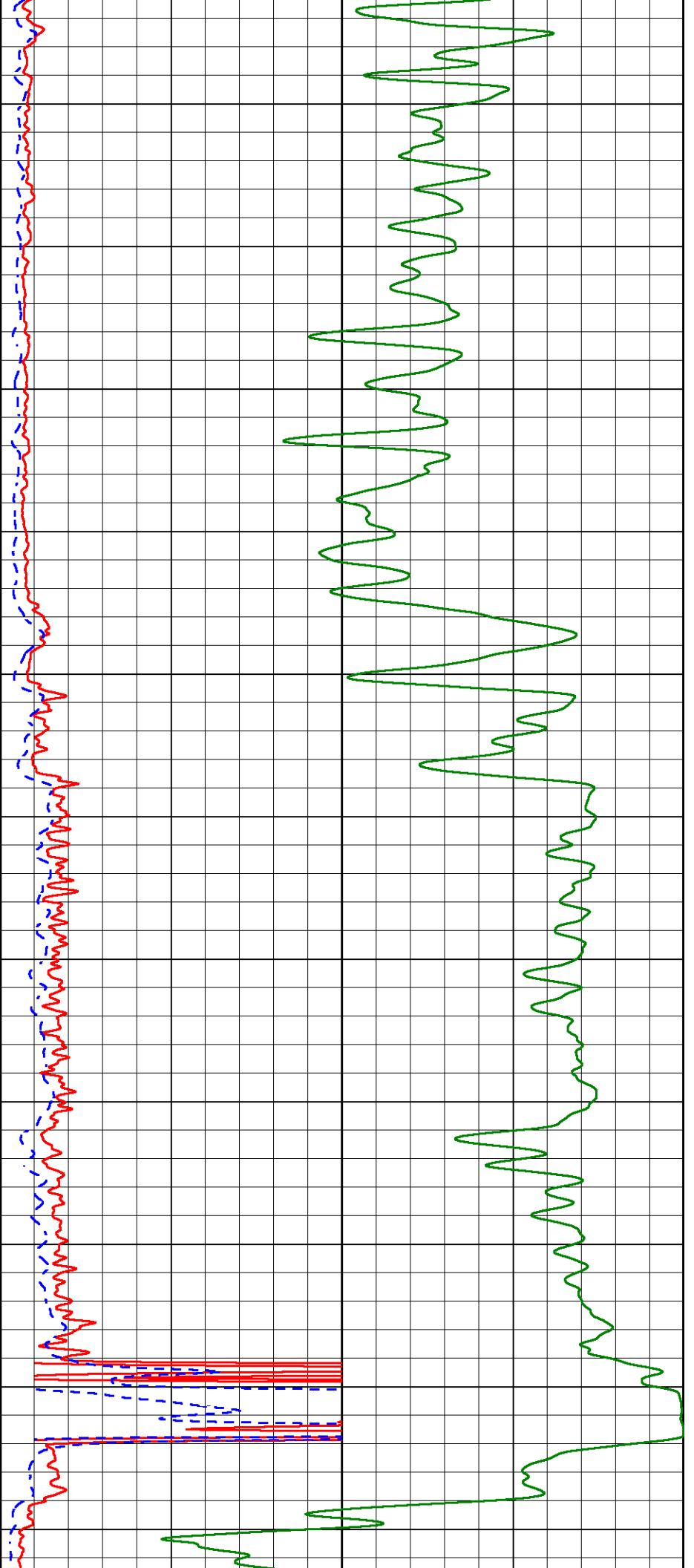
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550
600
650
700
750
800
850
900
950
1000

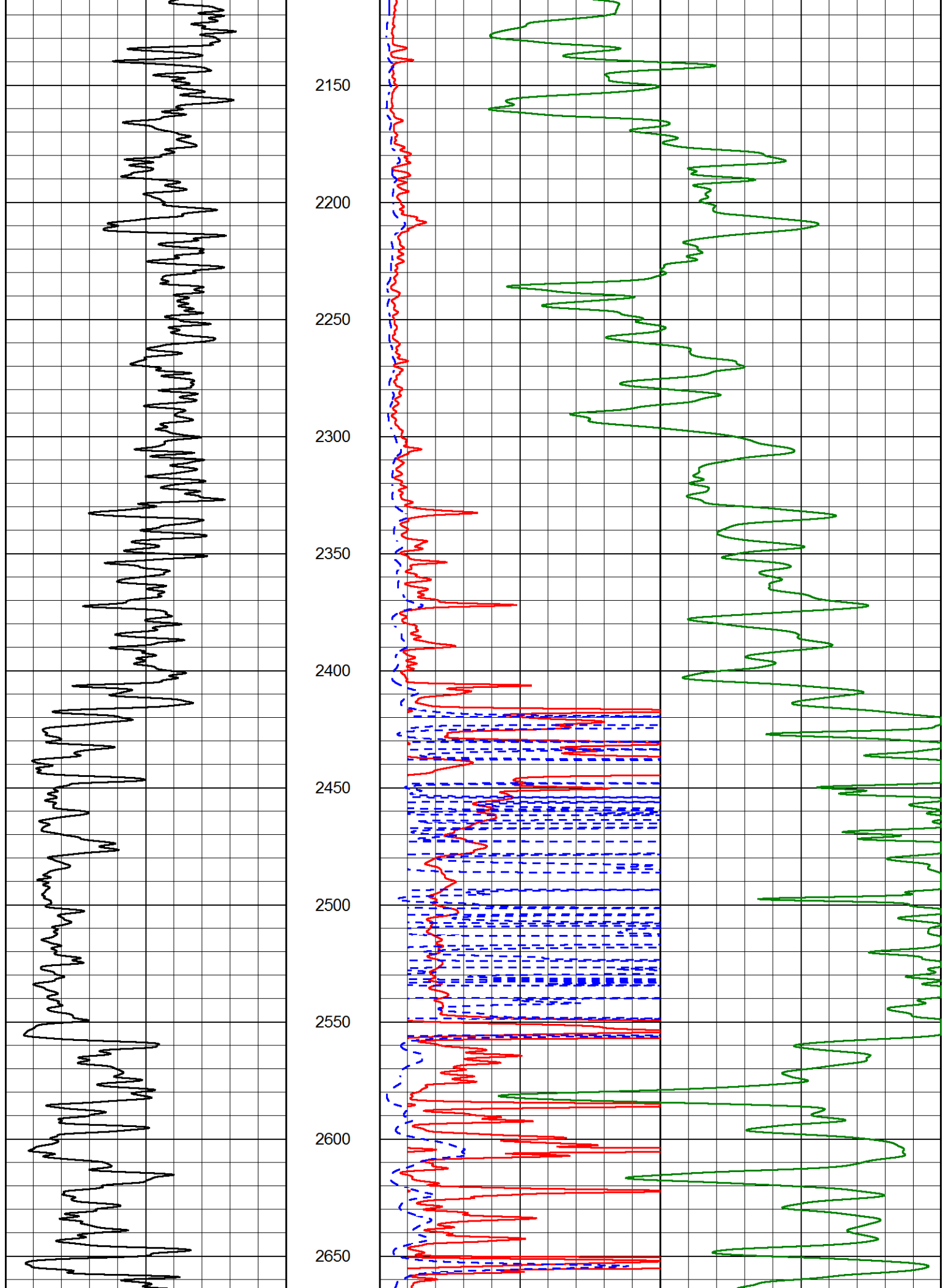


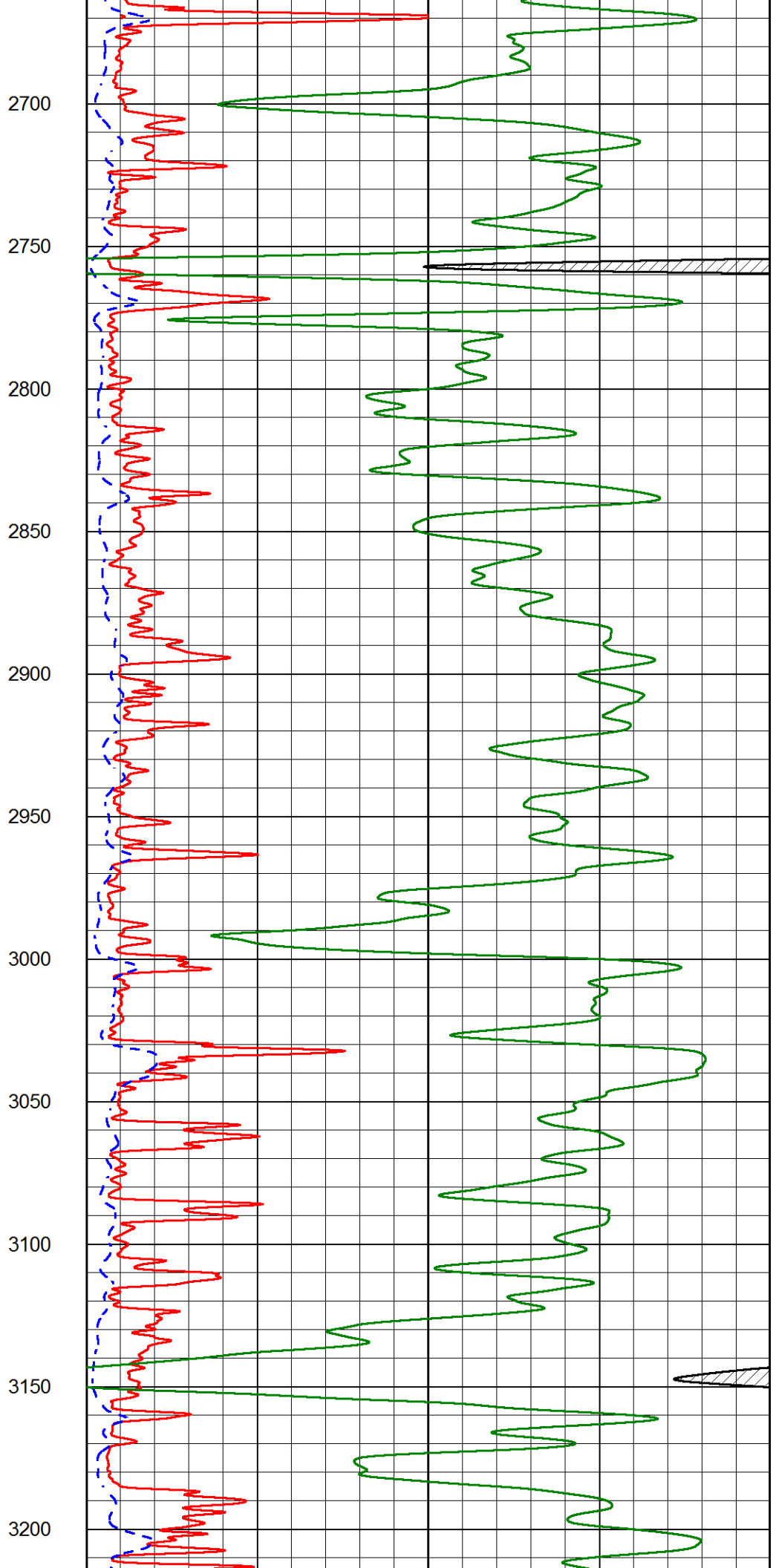
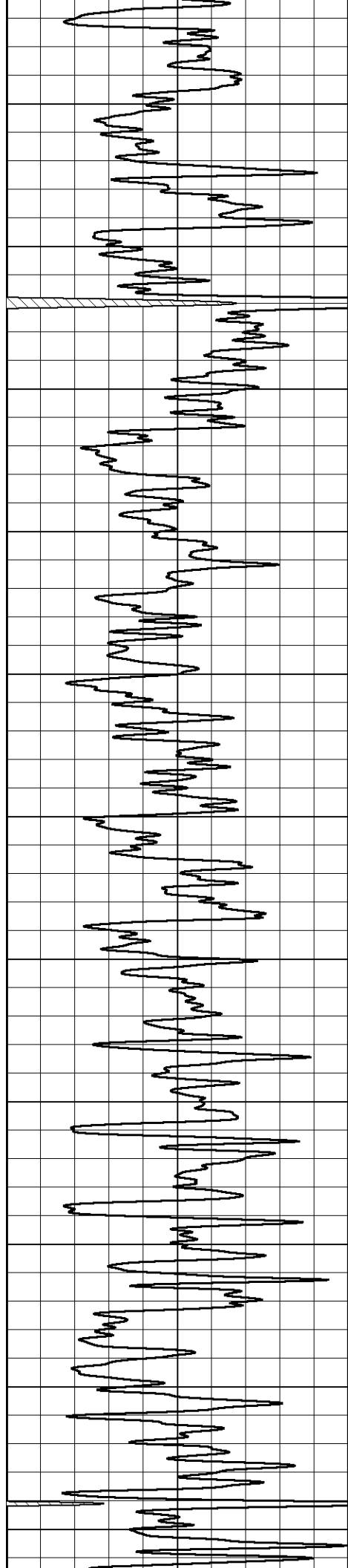


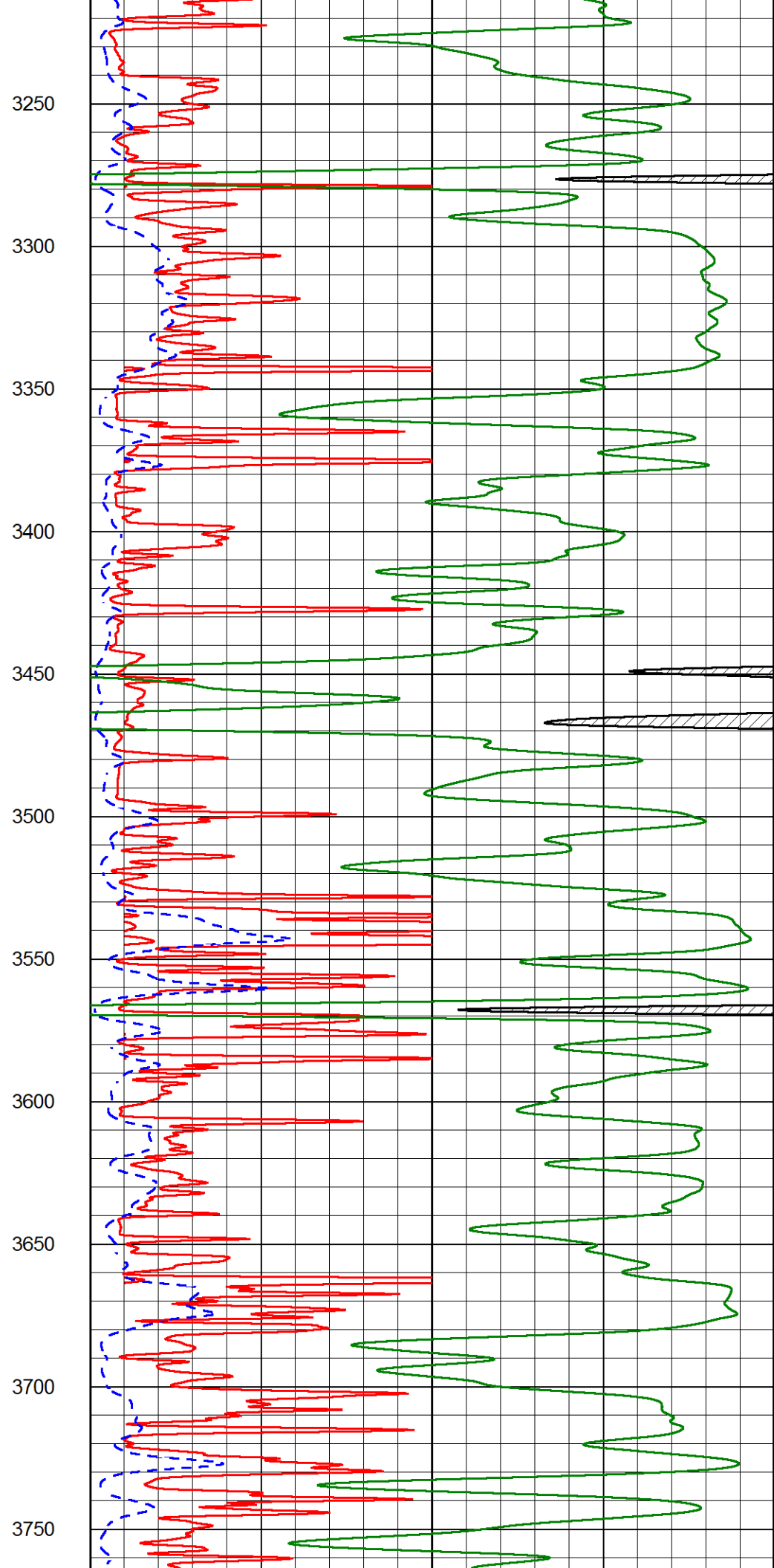
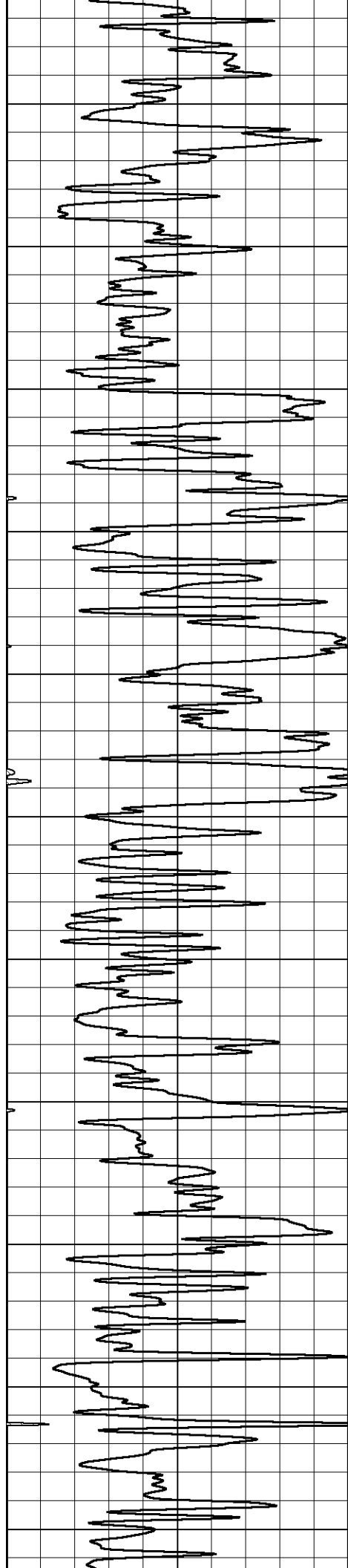


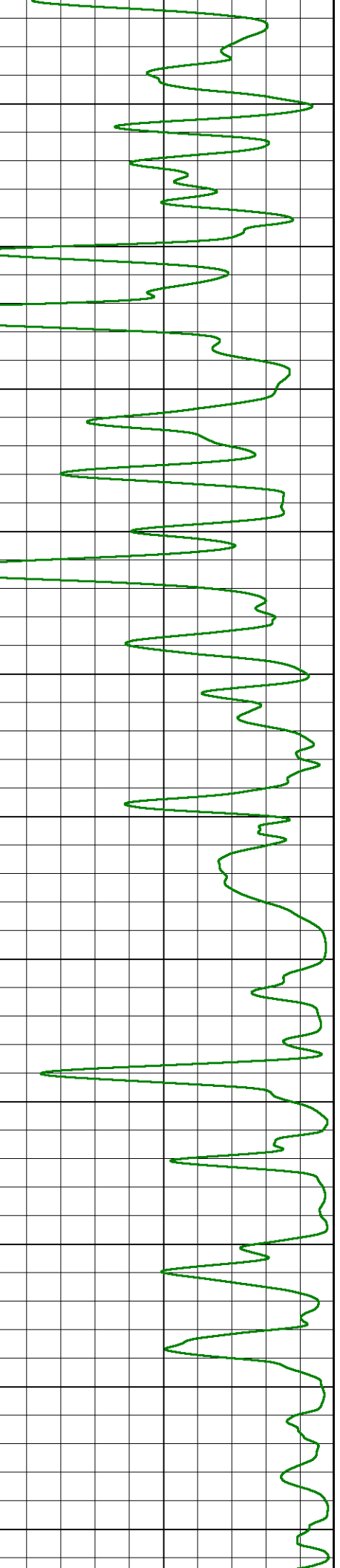
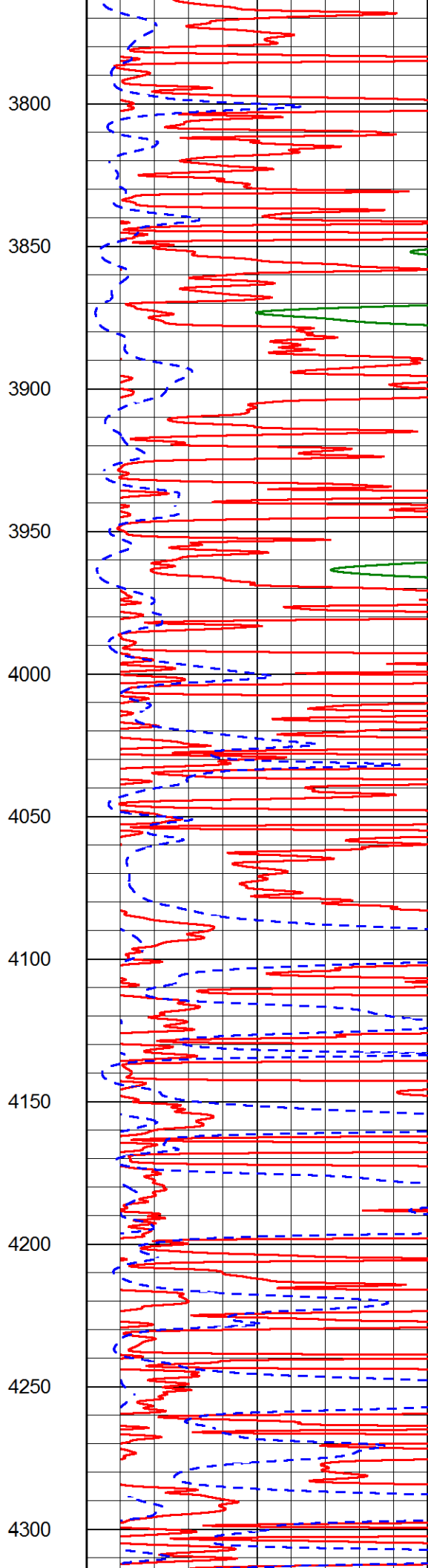
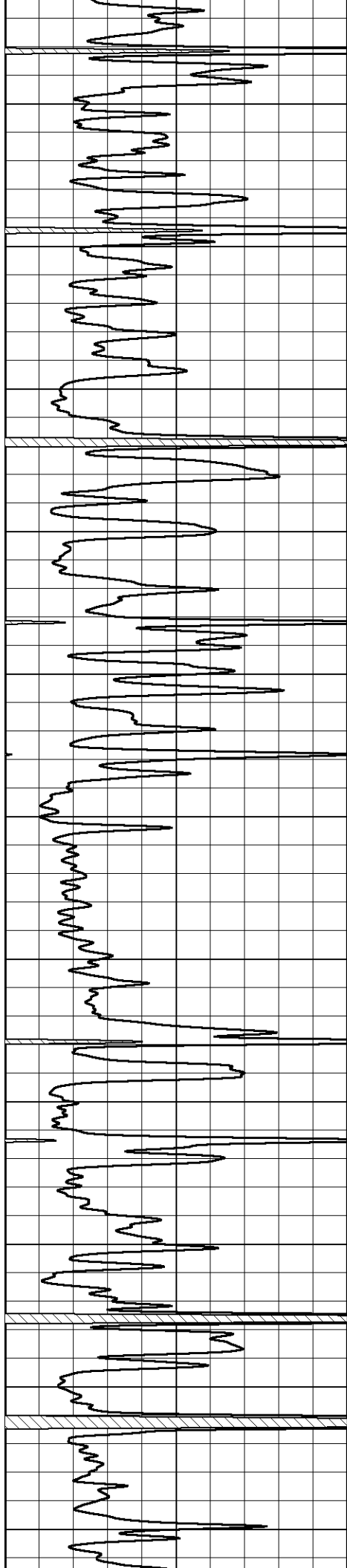
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050
2100

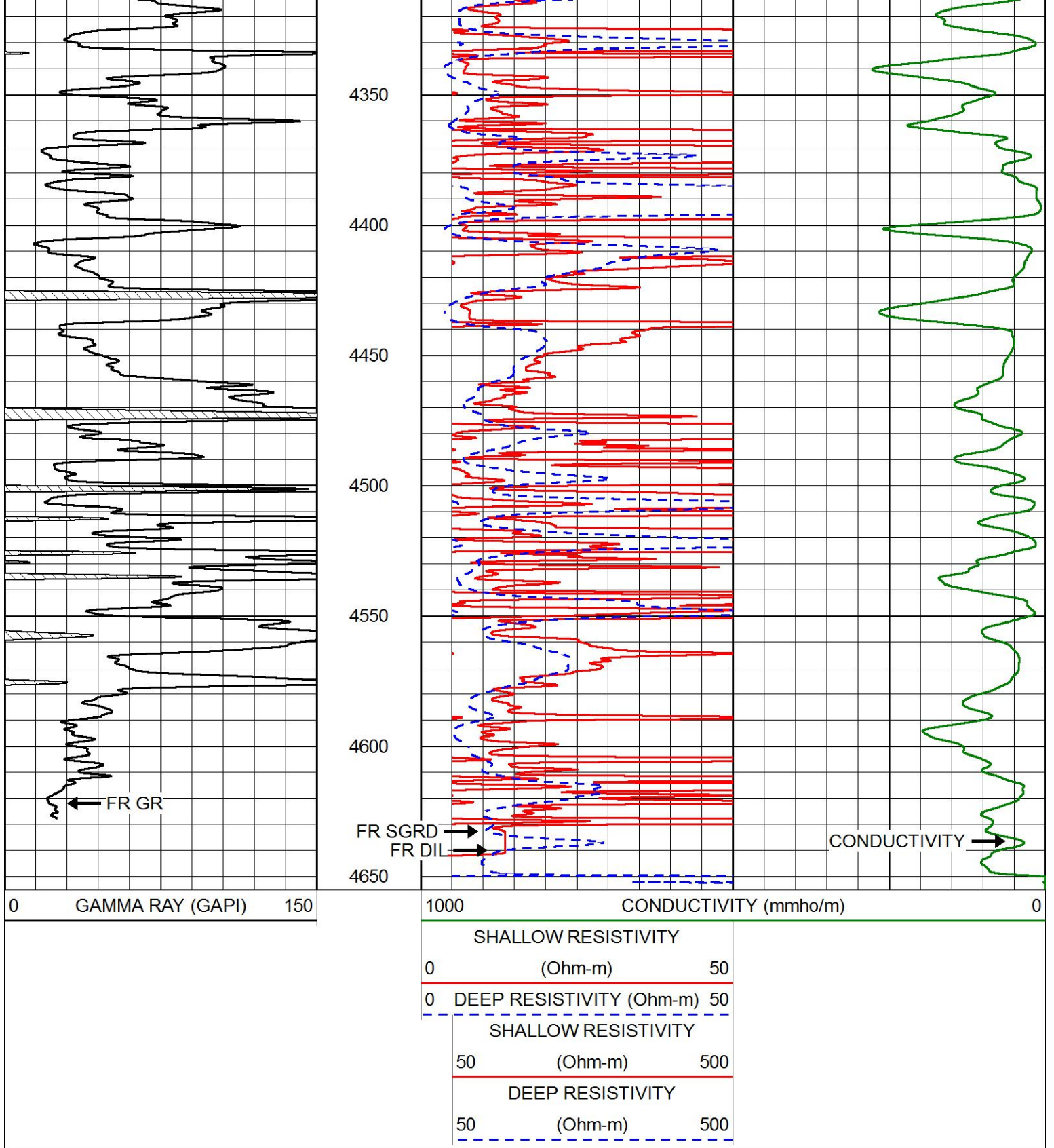












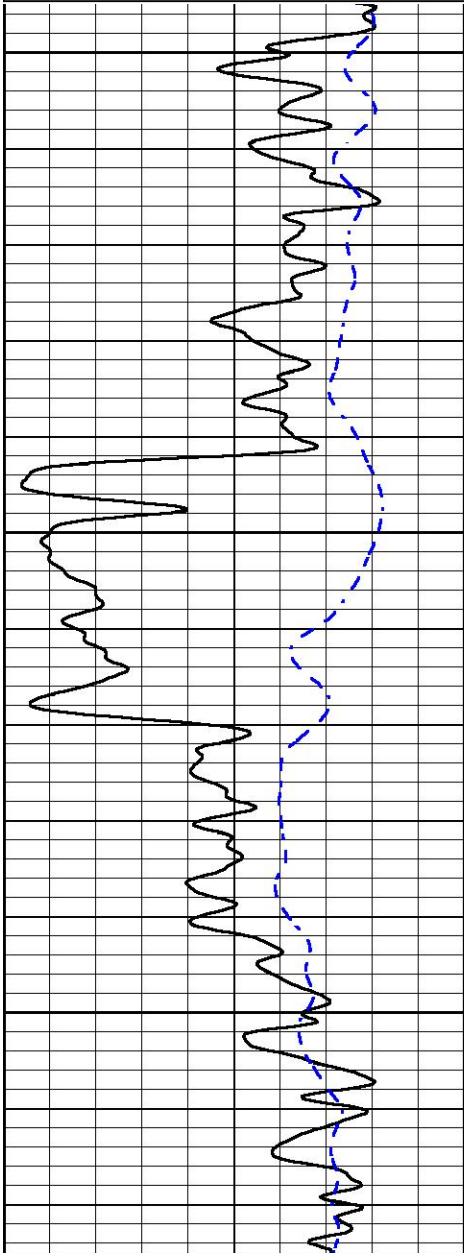
ANHYDRITE SECTION

MAIN PASS

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass4.4
 Presentation Format dil
 Dataset Creation Sun Nov 06 17:25:48 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

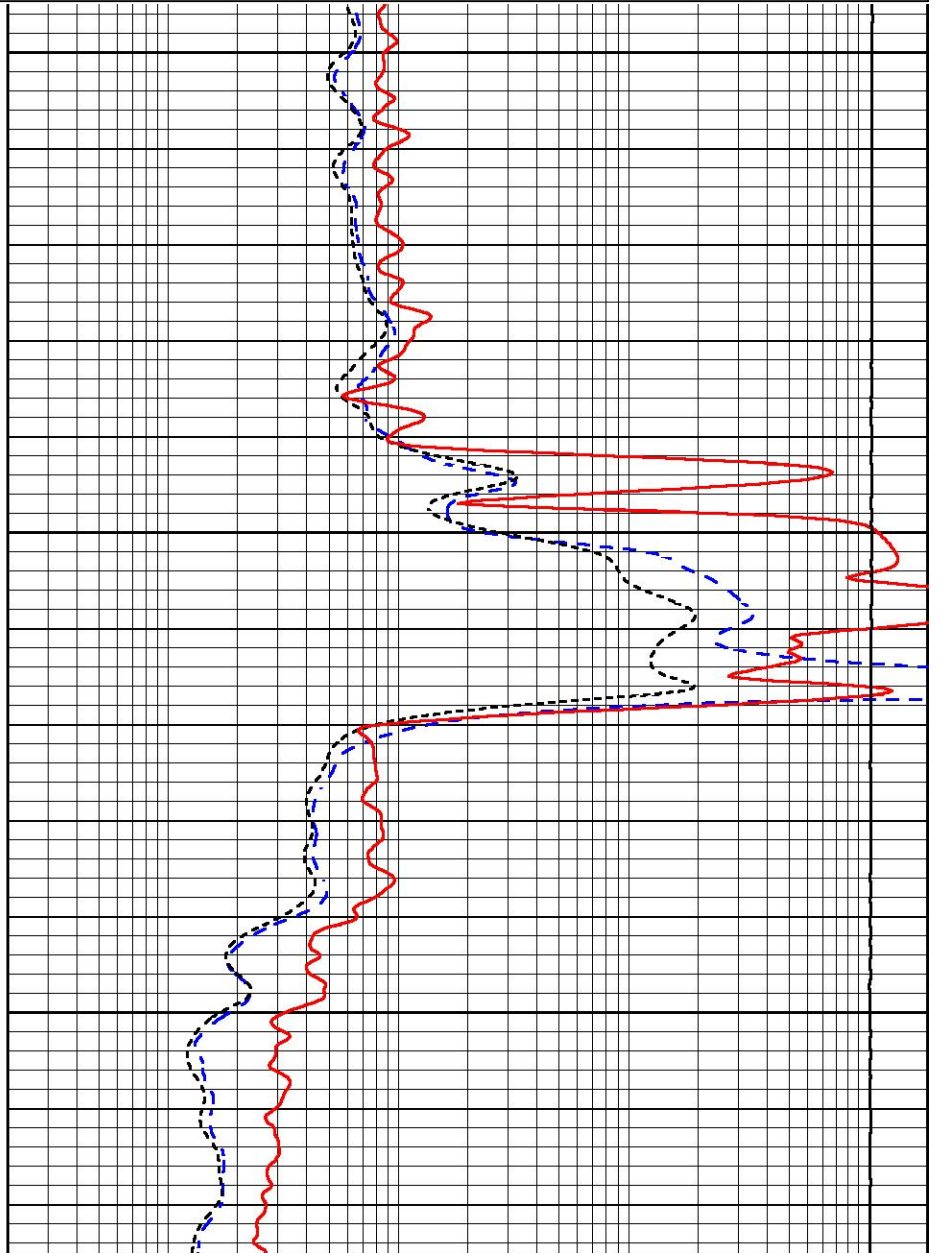


2000

2050

2100

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



MAIN PASS

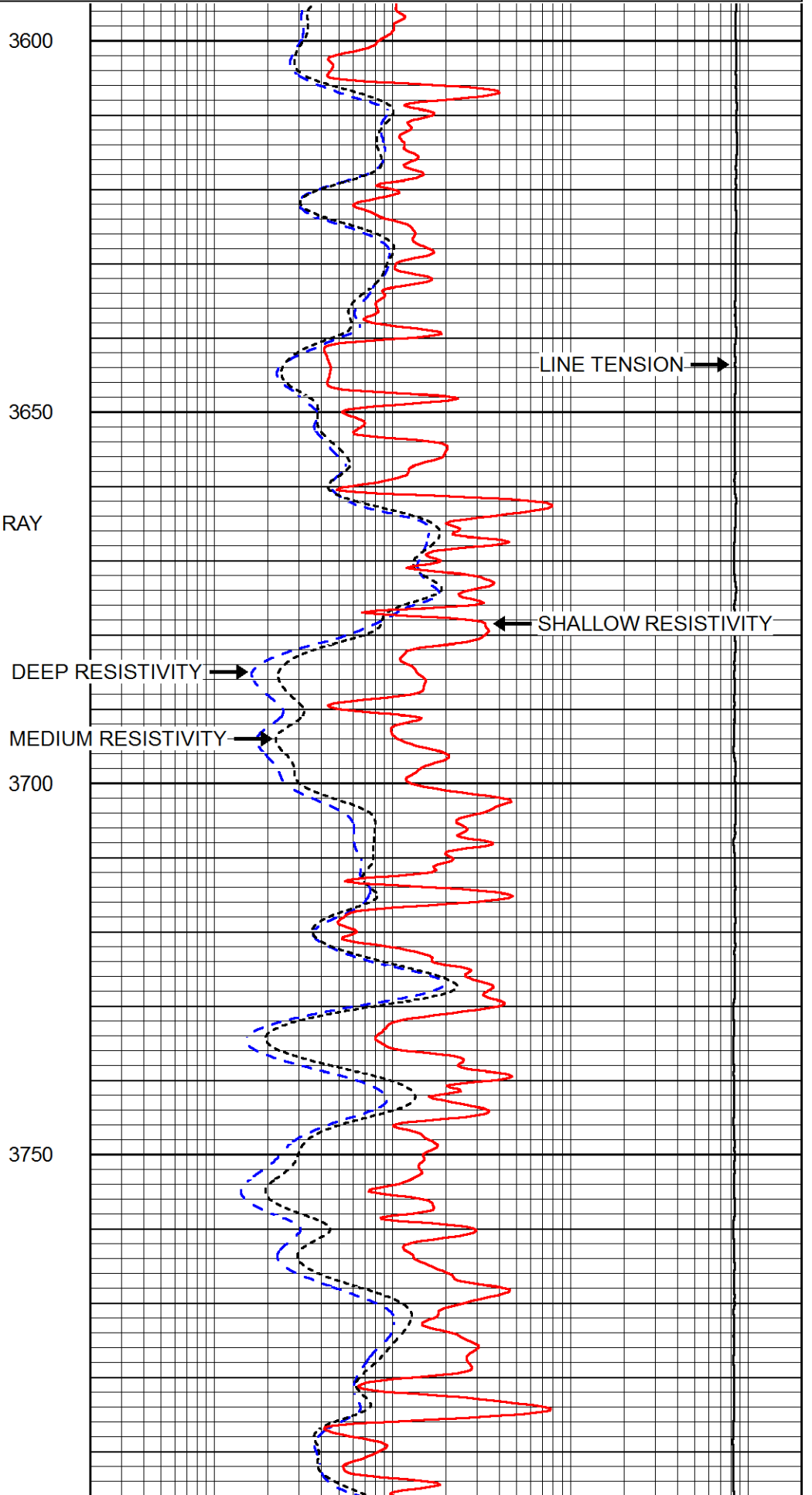
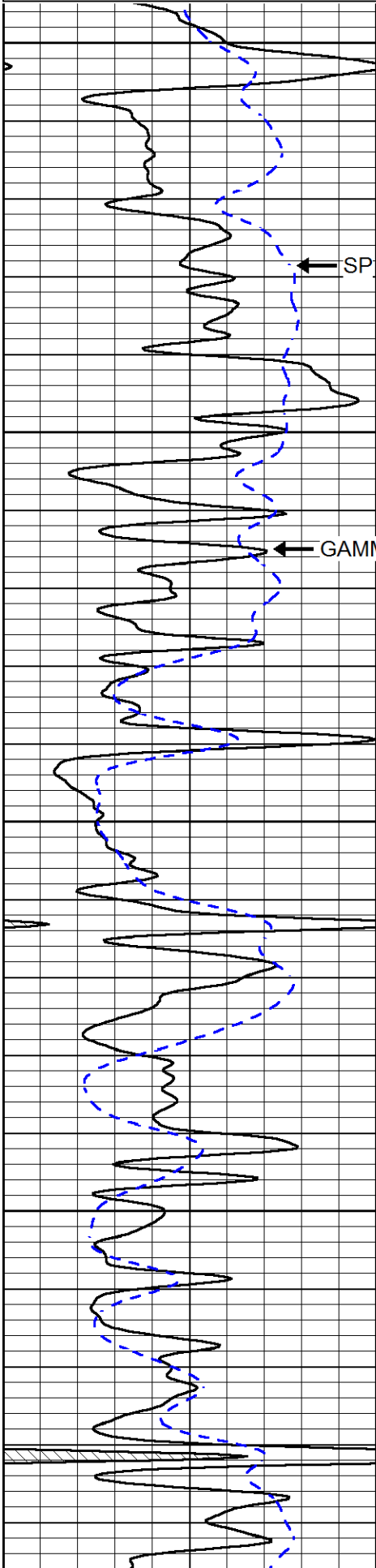
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 Dataset Pathname stackmel/pass4.1
 Presentation Format dil
 Dataset Creation Sun Nov 06 16:35:08 2016
 Charted by Depth in Feet scaled 1:240

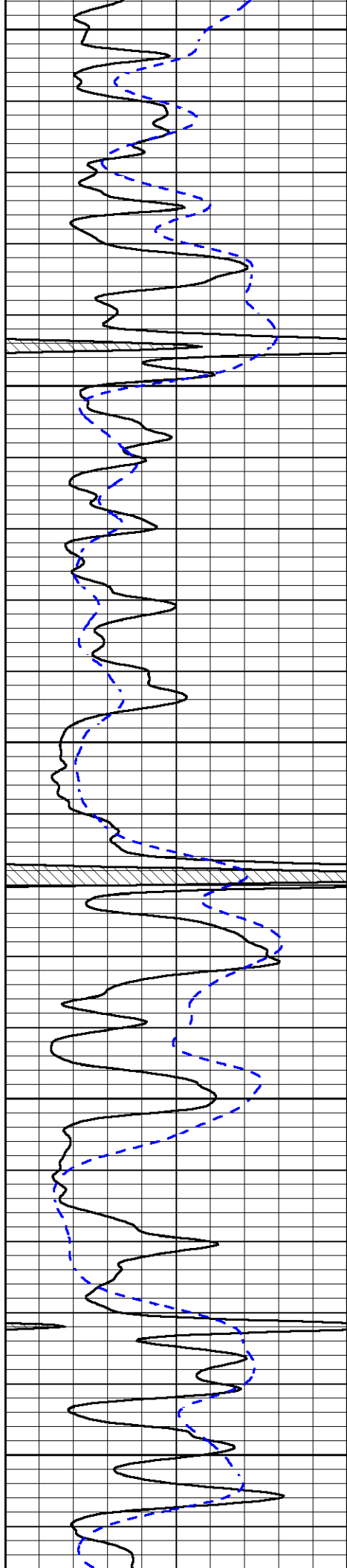
0	GAMMA RAY (GAPI)	150
---	------------------	-----

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

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





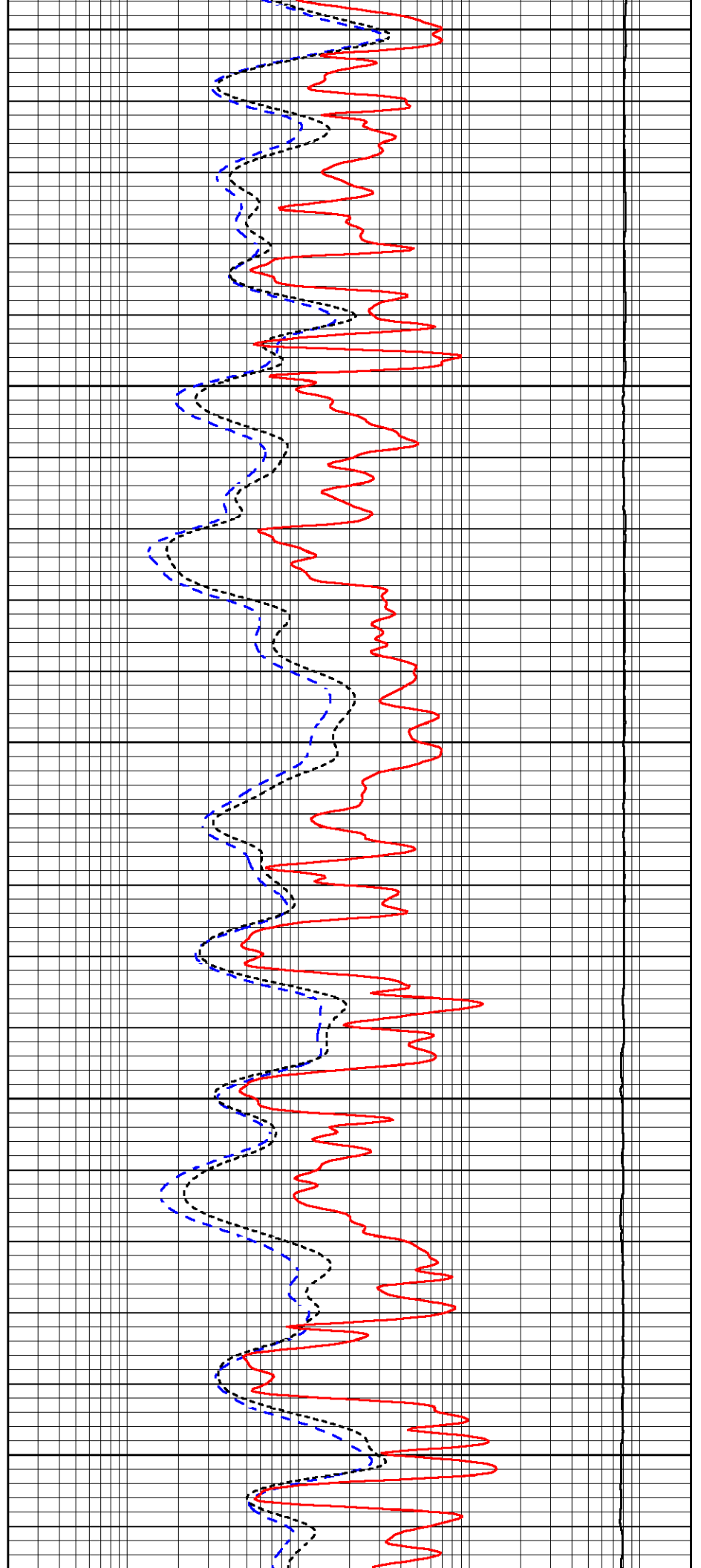
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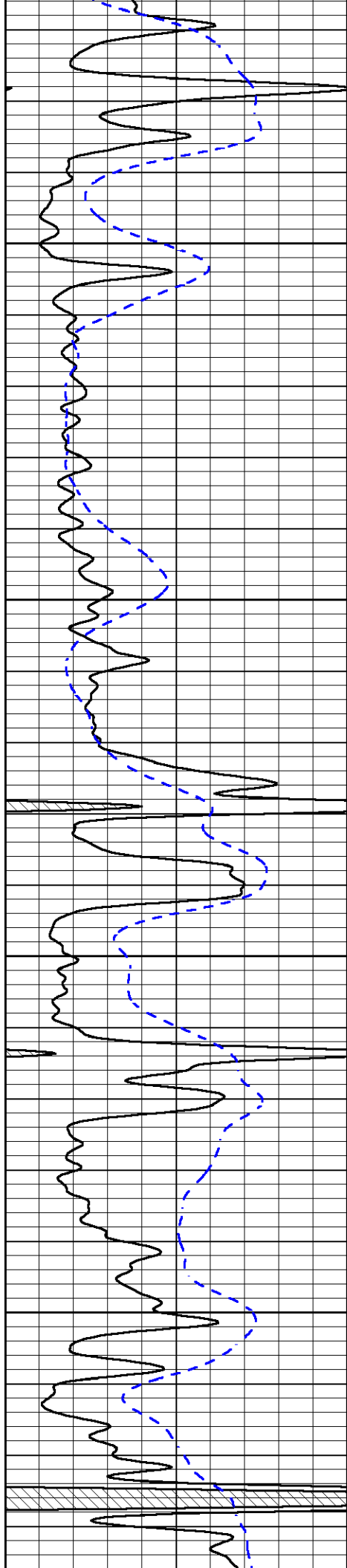
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3900

3950

4000



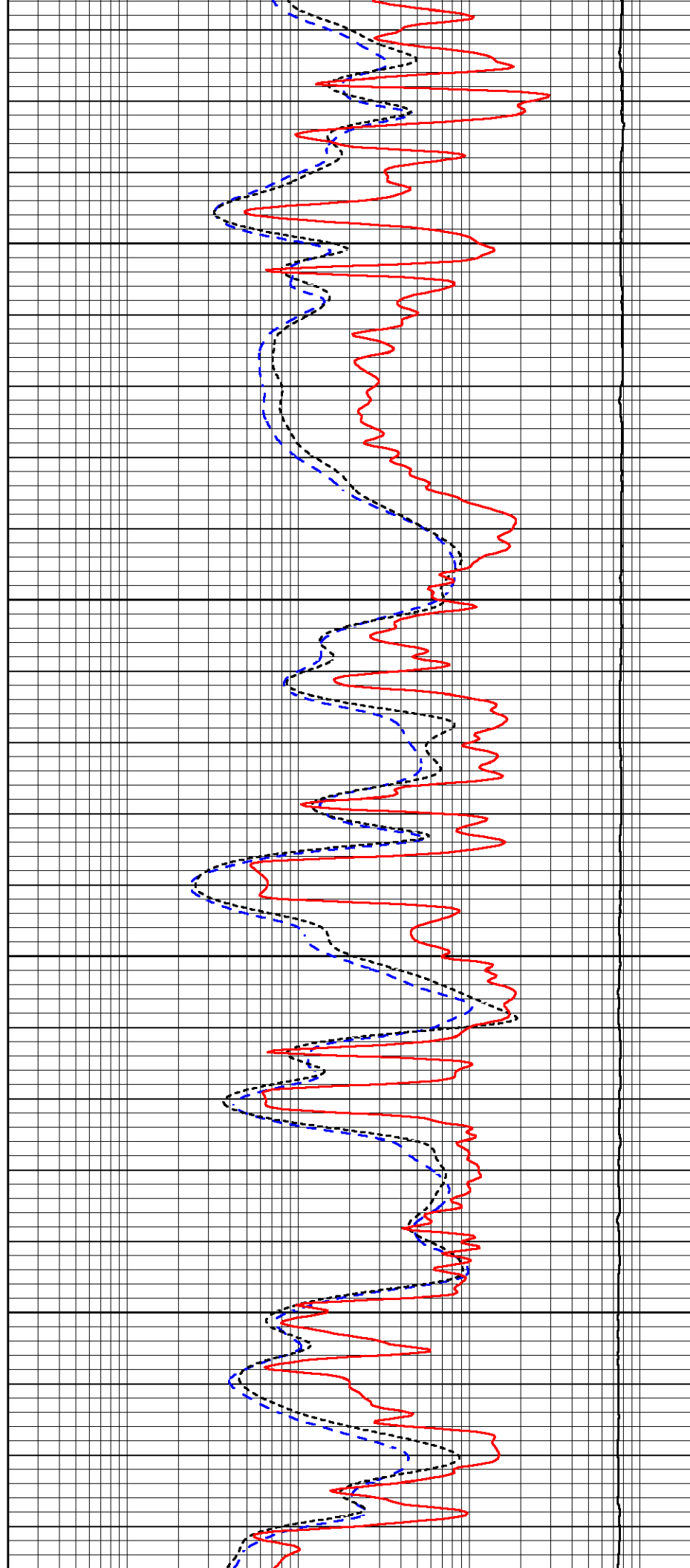


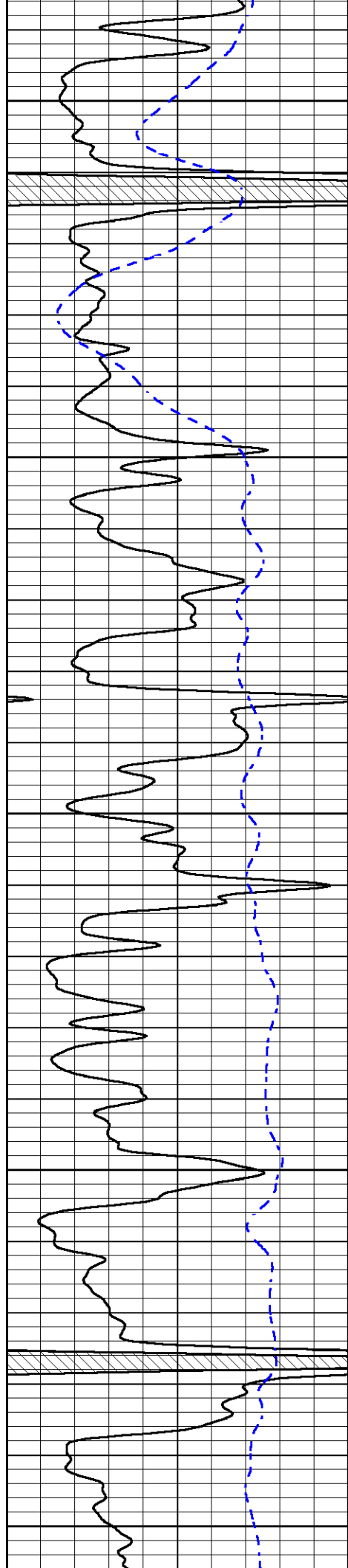
4050

4100

4150

4200





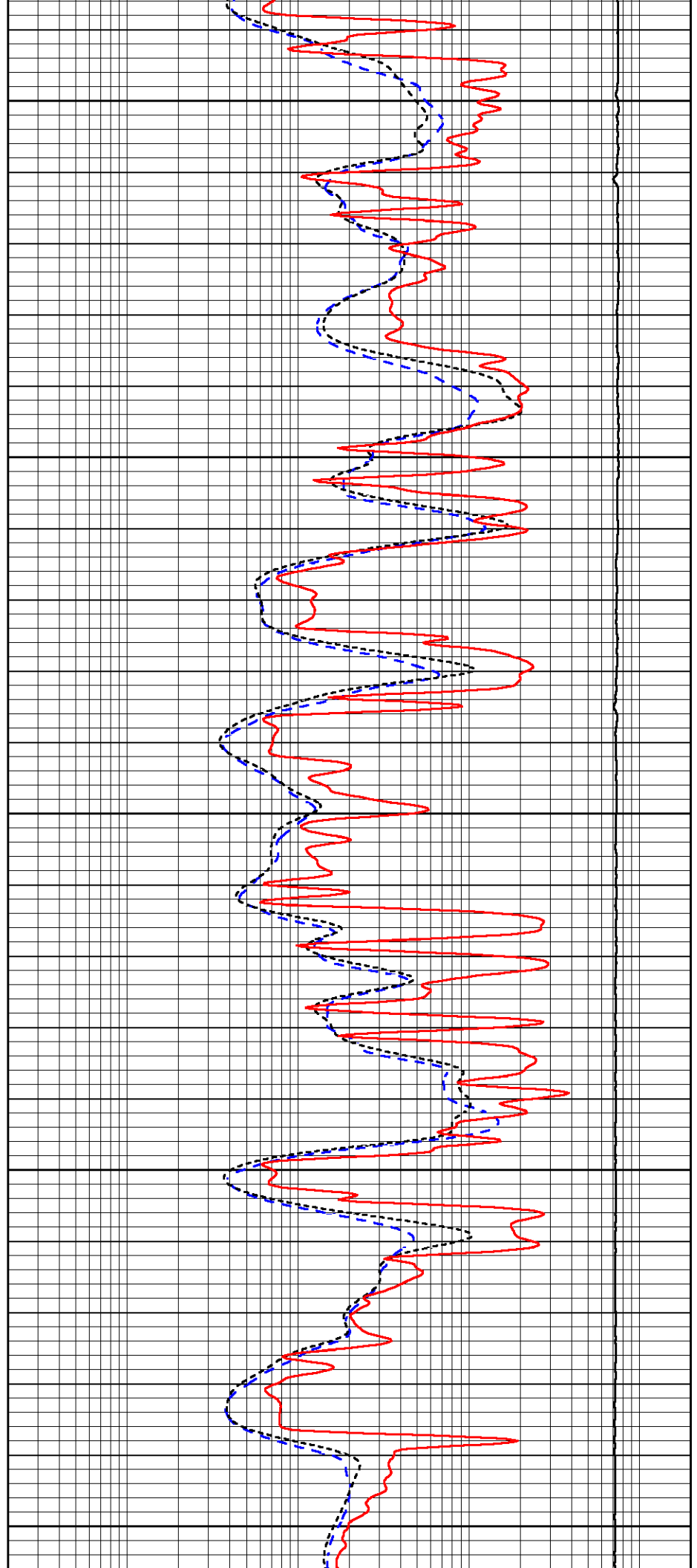
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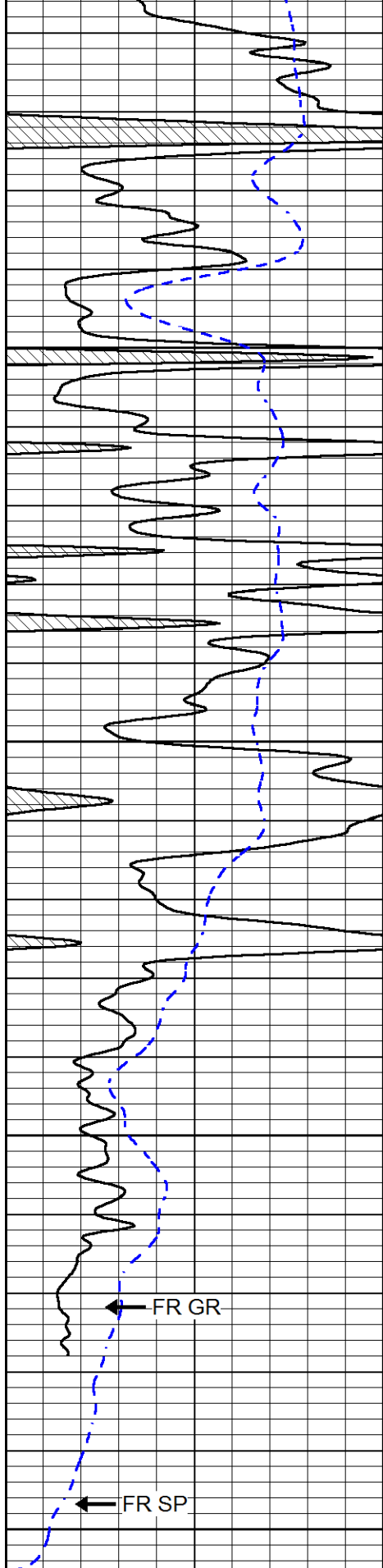
4300

4350

4400

4450





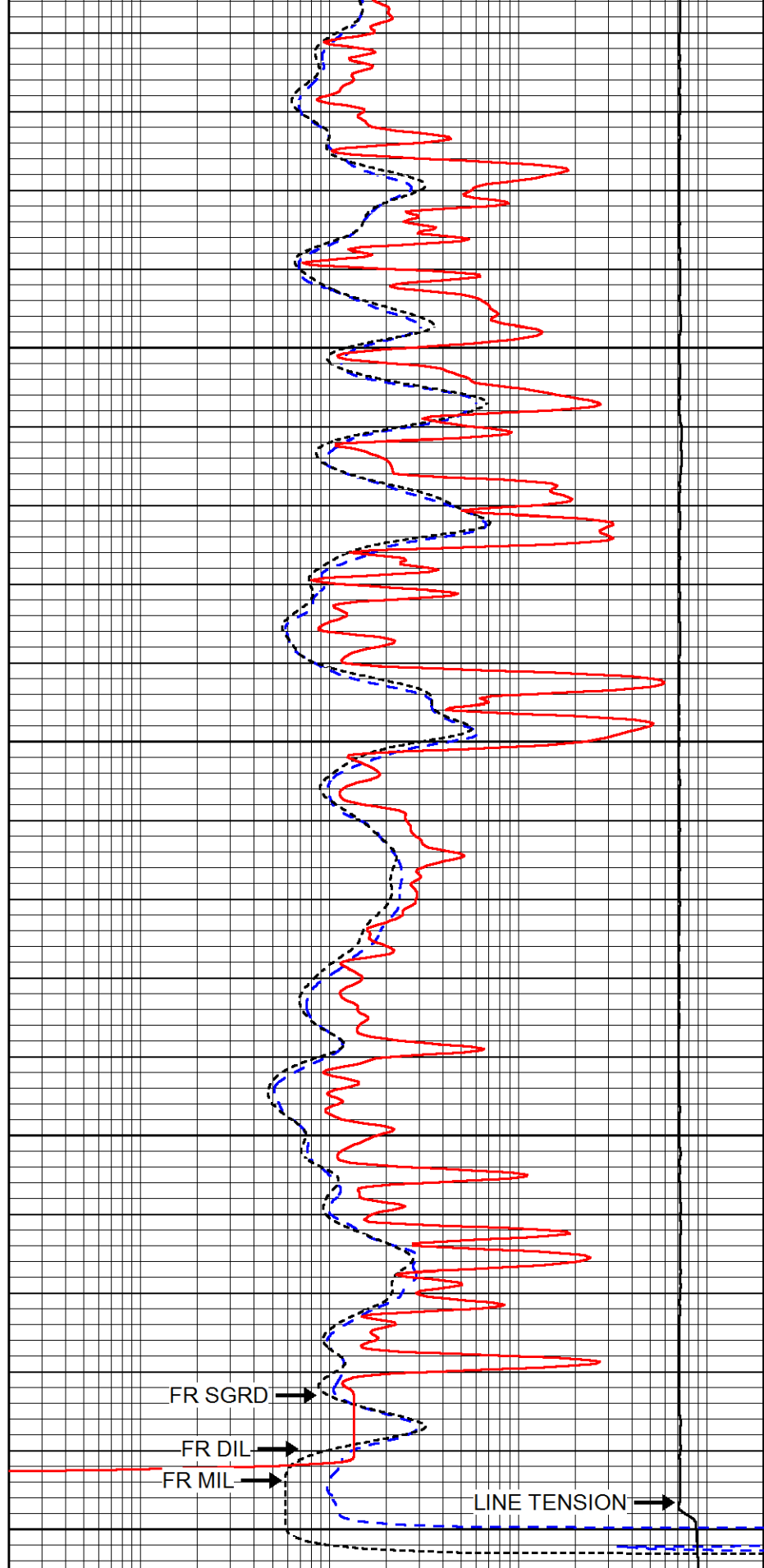
4500

4550

4600

4650

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

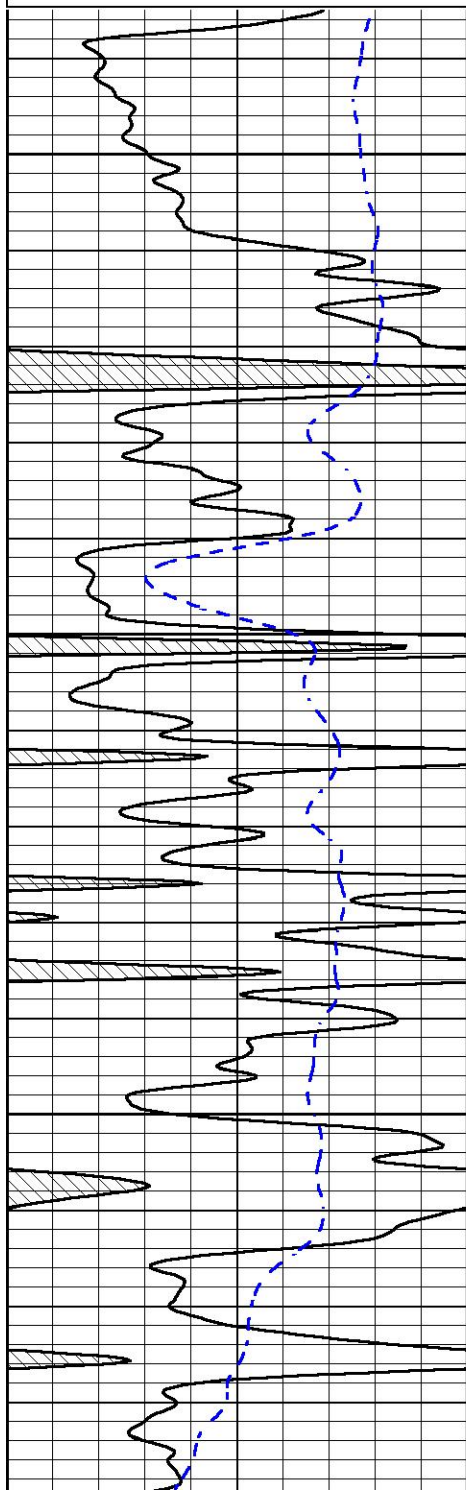


REPEAT SECTION

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass3.1
 Presentation Format dil
 Dataset Creation Sun Nov 06 16:34:37 2016
 Charted by Depth in Feet scaled 1:240

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-200	SP (mV)	0

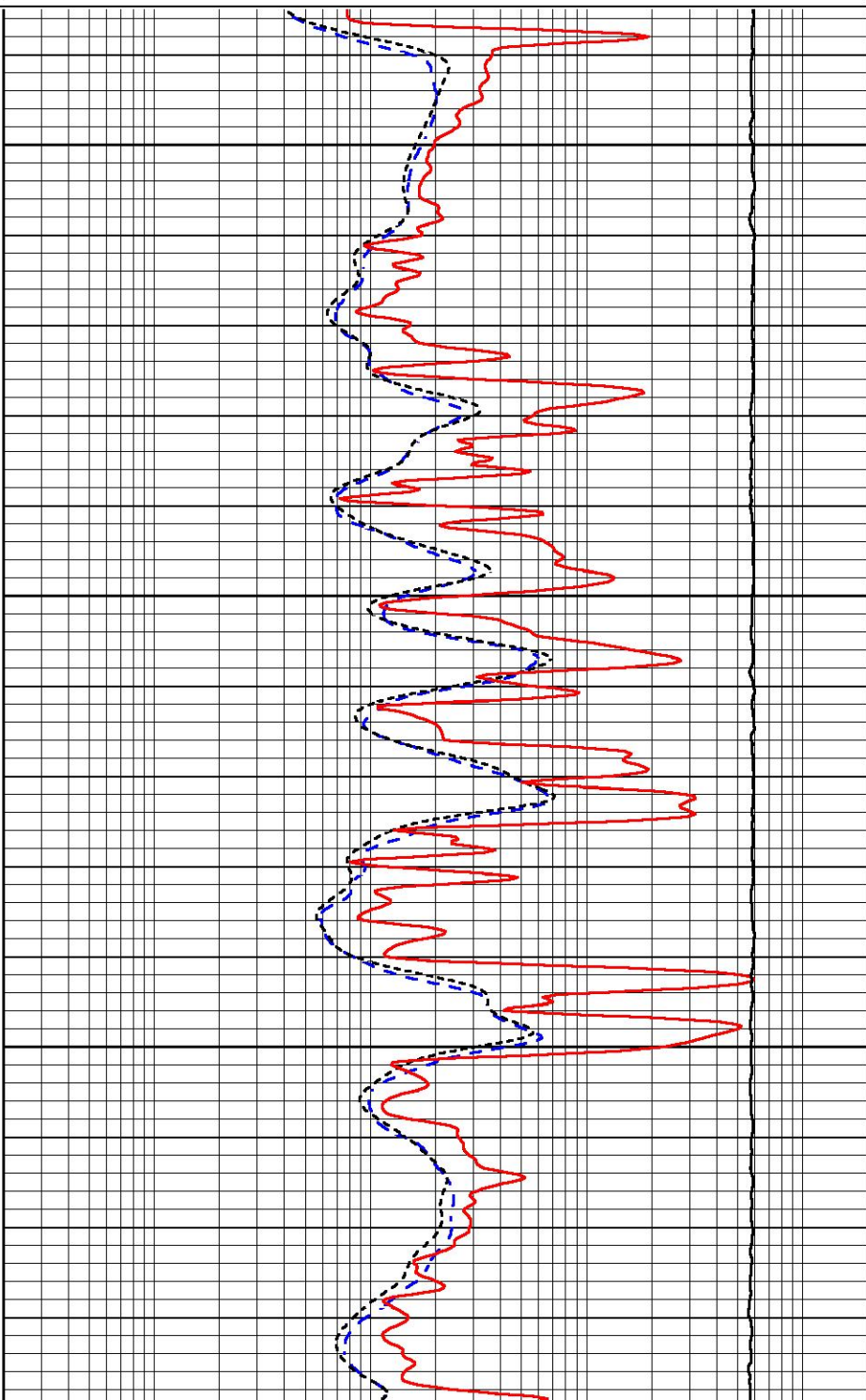
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0.2	MEDIUM RESISTIVITY (Ohm-m)	2000
0.2	SHALLOW RESISTIVITY (Ohm-m)	2000
15000	LINE TENSION (lb)	0

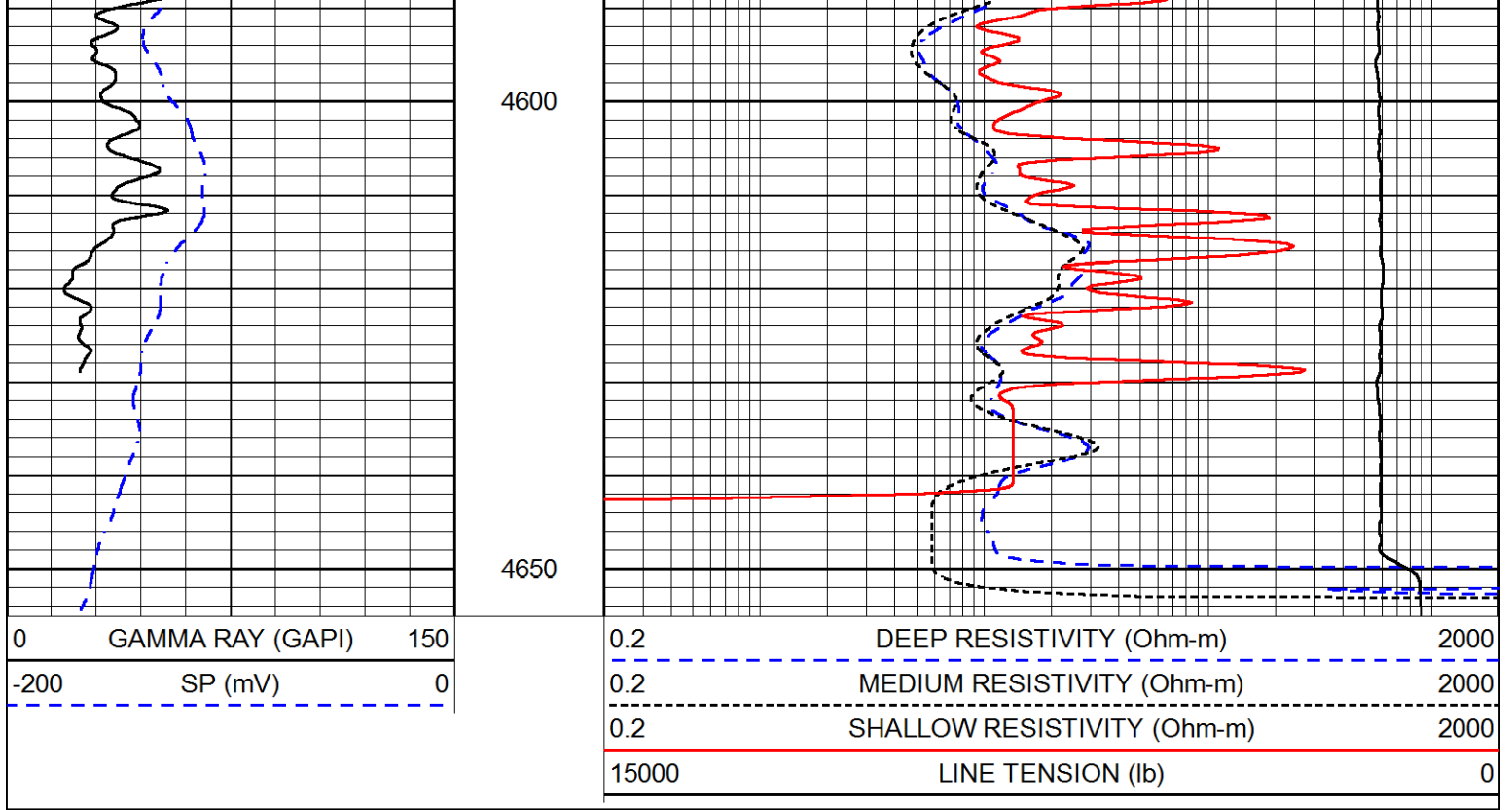


4450

4500

4550





Calibration Report

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass3
 Dataset Creation Sun Nov 06 14:27:41 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	BLUE GOOSE DRILLING CO., INC.
Well	NEELEY "A" NO. 1
Field	ALAMOTA NORTHWEST
County	LANE
State	KANSAS



DUAL COMP POROSITY LOG

Pioneer Energy Services

Company **BLUE GOOSE DRILLING CO., INC.**
 Well **NEELEY "A" NO. 1**
 Field **ALAMOTA NORTHWEST**
 County **LANE** State **KANSAS**

Company **BLUE GOOSE DRILLING CO., INC.**
 Well **NEELEY "A" NO. 1**
 Field **ALAMOTA NORTHWEST**
 County **LANE**
 State **KANSAS**

Location: **API #: 15-101-22582-00-00**
2,310' FSL & 1,650' FWL
SEC 10 TWP 18S RGE 27W
 Permanent Datum **GROUND LEVEL Elevation 2679'**
 Log Measured From **KELLY BUSHING**
 Drilling Measured From **KELLY BUSHING**
 Other Services **DIL MEL**
 Elevation **K.B. 2689'**
D.F. N/A
G.L. 2679'

Date	11/6/2016
Run Number	ONE
Type Log	CNL/CDL
Depth Driller	4660'
Depth Logger	4649'
Bottom Logged Interval	4621'
Top Logged Interval	3600'
Type Fluid In Hole	CHEMICAL
Salinity, PPM CL	4300
Density	9.0
Level	FULL
Max. Rec. Temp. F	123
Operating Rig Time	2 1/2 HOURS
Equipment -- Location	108 COLBY
Recorded By	J. LONG
Witnessed By	KEN WALLACE

Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25"	00'	268'	8.625"	23#	00'	268'
TWO	7.875"	268'					

<<< 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.
 DIGHTON, EAST TO TURKEY RED ROAD, 1 1/2 NORTH, EAST INTO ON FARM HOUSE SOUTH ENTRANCE, FOLLOW TRAIL EAST AND NORTH

Log Measured From: **KELLY BUSHING** 10 Ft. Above Permanent Datum
 THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

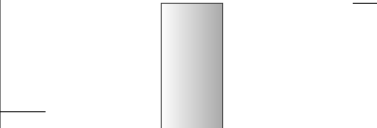
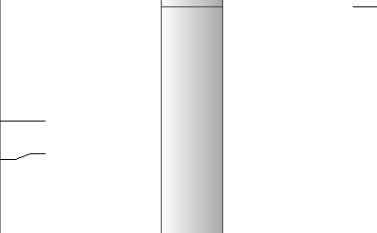
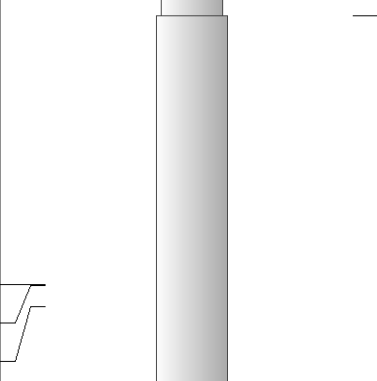
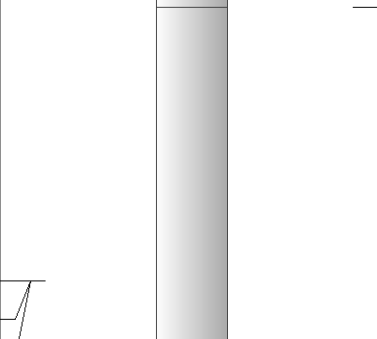
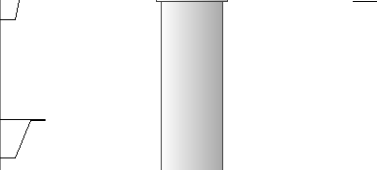
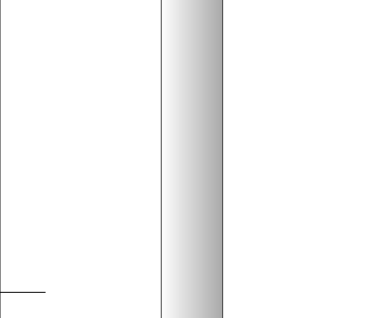
Your Pioneer Energy Services Crew Engineer: J. LONG Operator: C. PFEIFER Operator: Operator:	This Log Record Was Witnessed By Primary Witness: KEN WALLACE Secondary Witness: Secondary Witness: Secondary Witness:
---	--

Log Variables

DatabaseC:\ProgramData\Warrior\Data\bluegoose_neeley_a_1.db
Dataset field/well/stackmel/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	123	4.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	0	58	Off	4649

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (71-914)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-01) Stackable Microlog Tools	7.58	4.00	65.00
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: bluegoose_neeley_a_1.db: field/well/stackmel/pass4
 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

PIONEER

Pioneer Energy Services

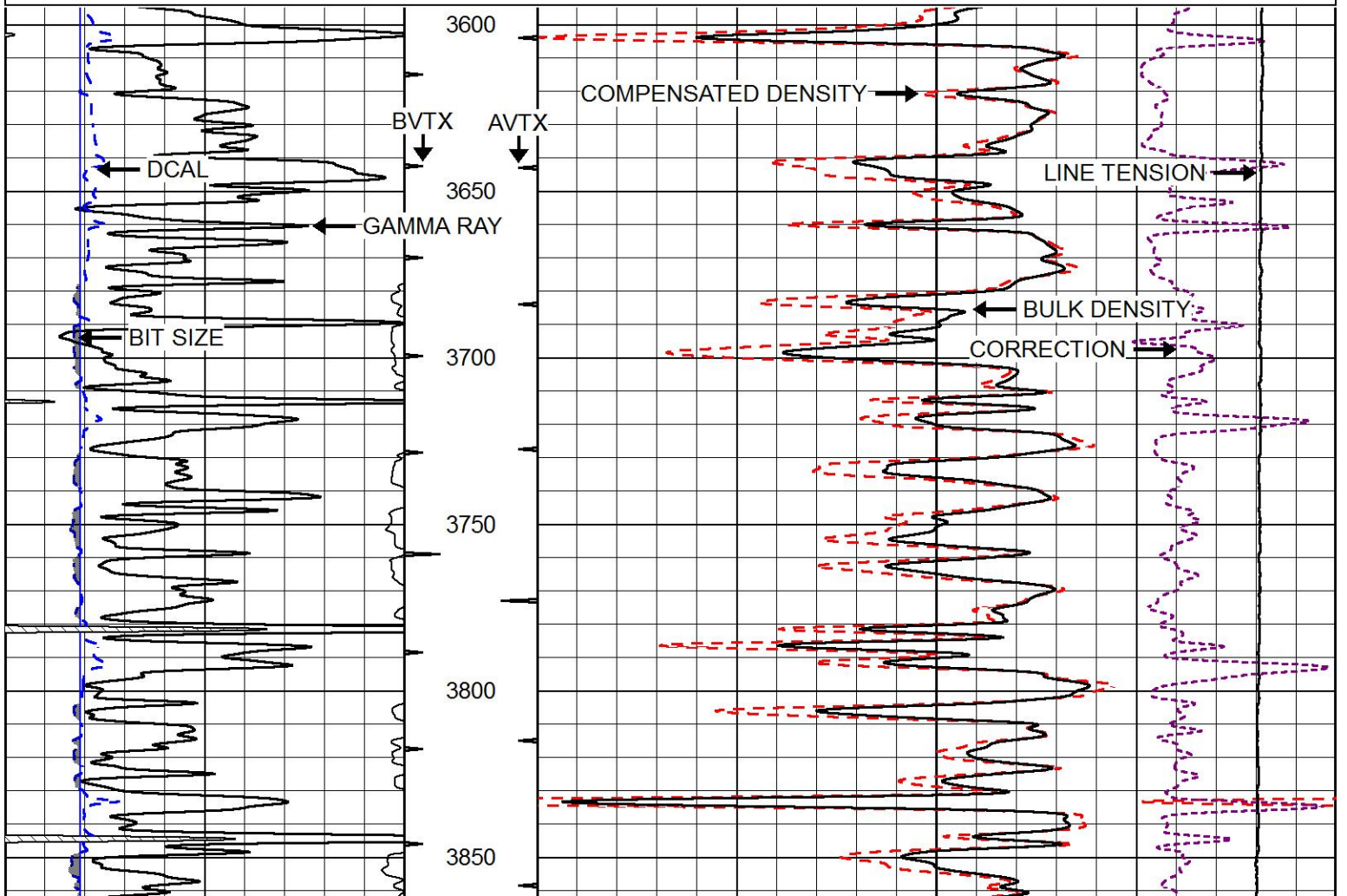
2" SCALE BULK DENSITY

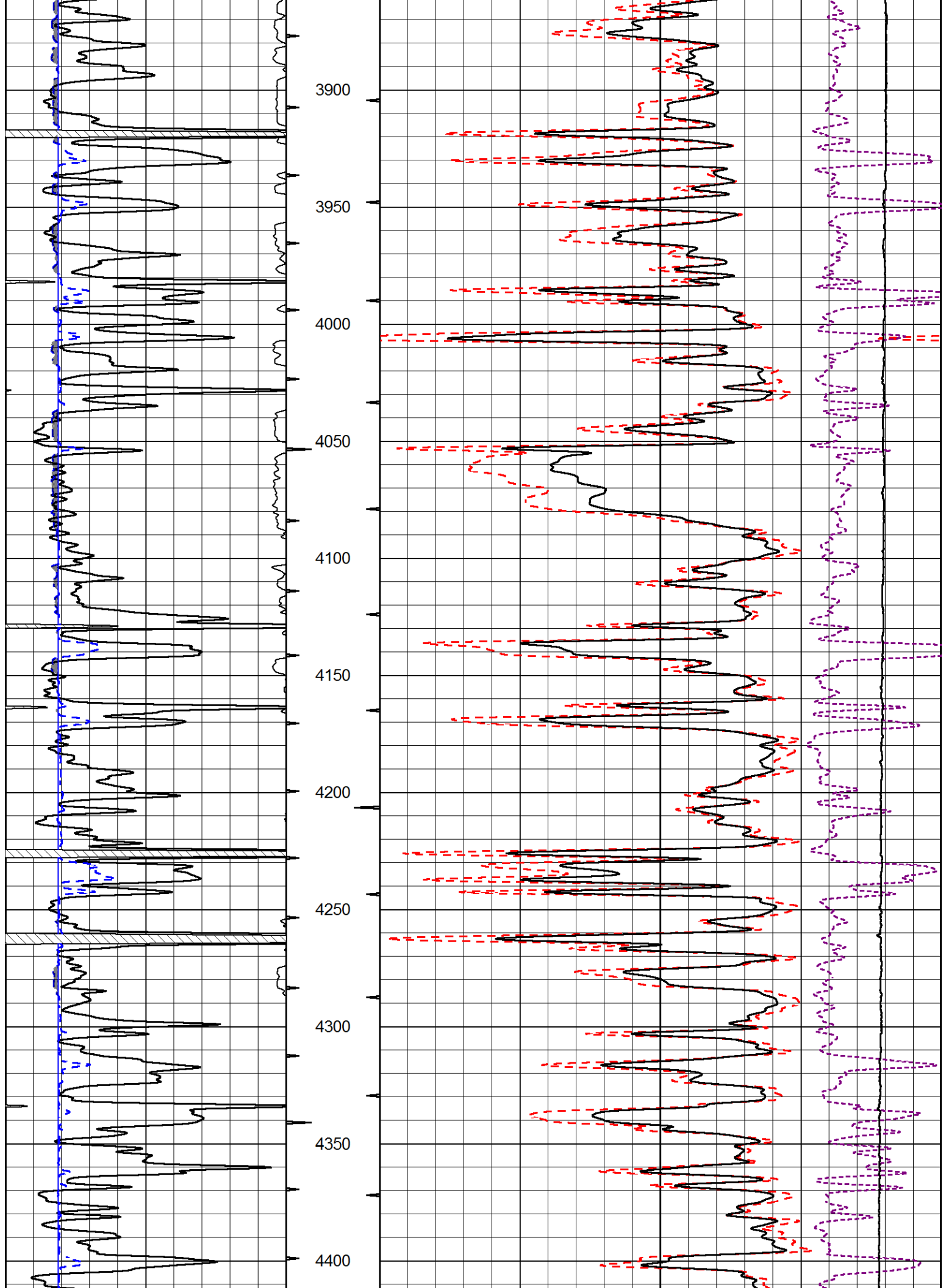
MAIN PASS

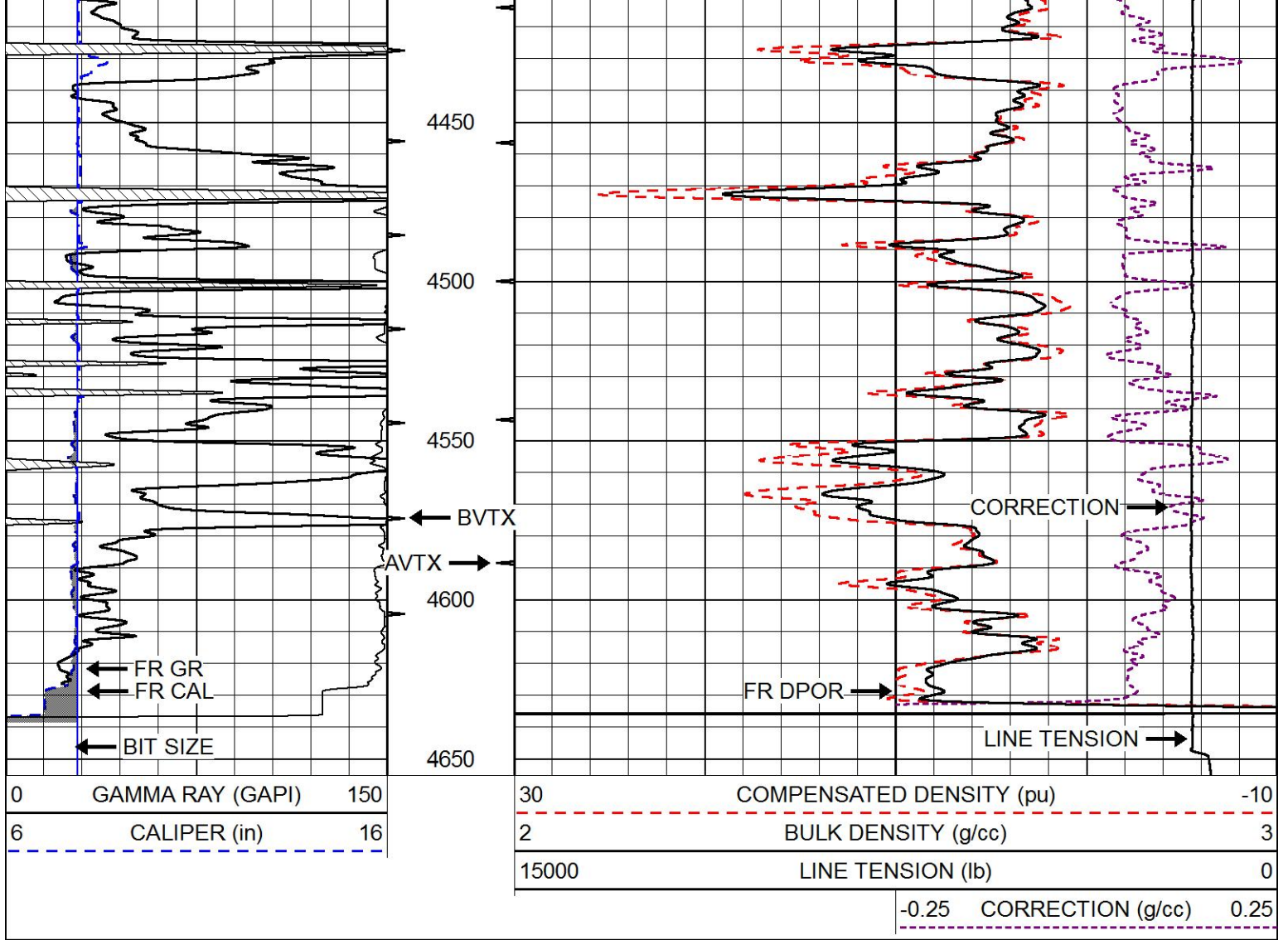
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 Dataset Pathname stackmel/pass4.3
 Presentation Format cdl
 Dataset Creation Sun Nov 06 16:35:54 2016
 Charted by Depth in Feet scaled 1:600

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

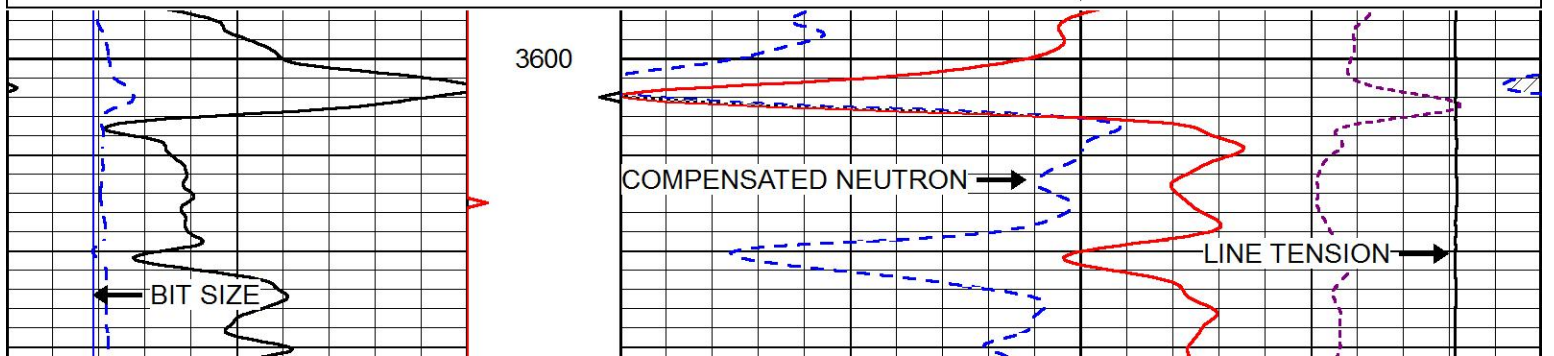
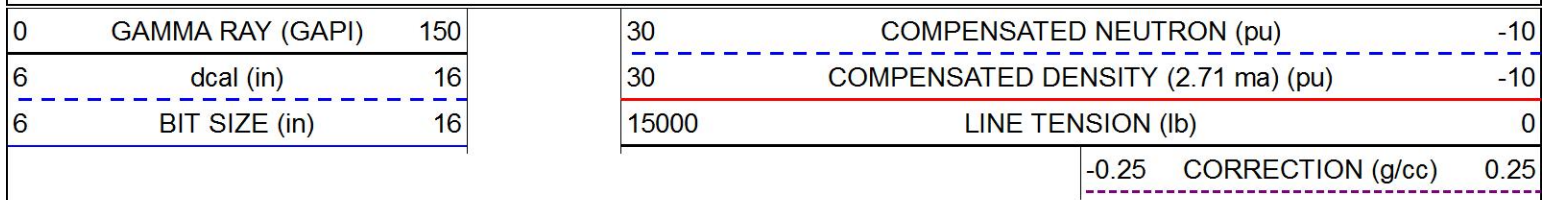


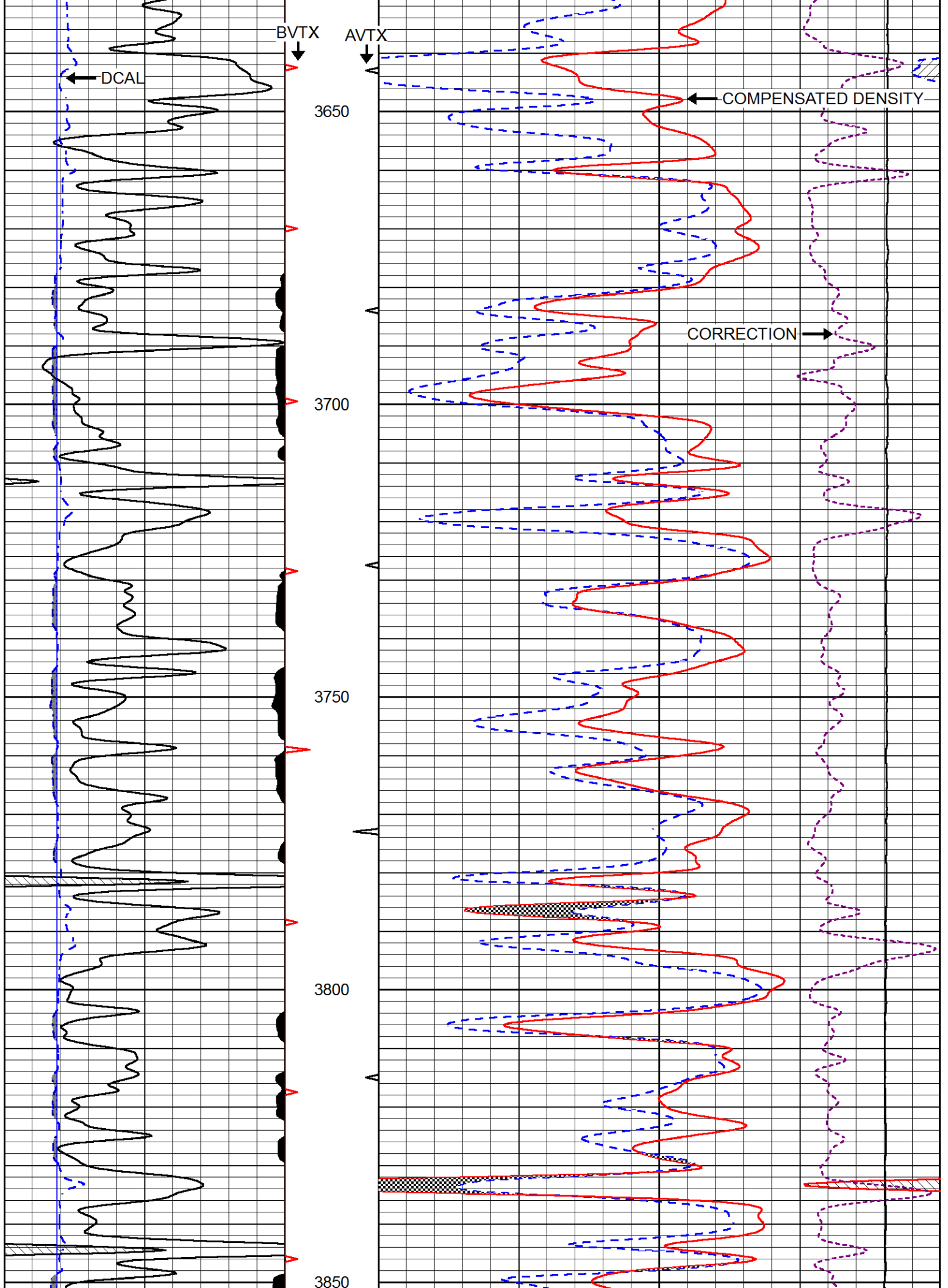


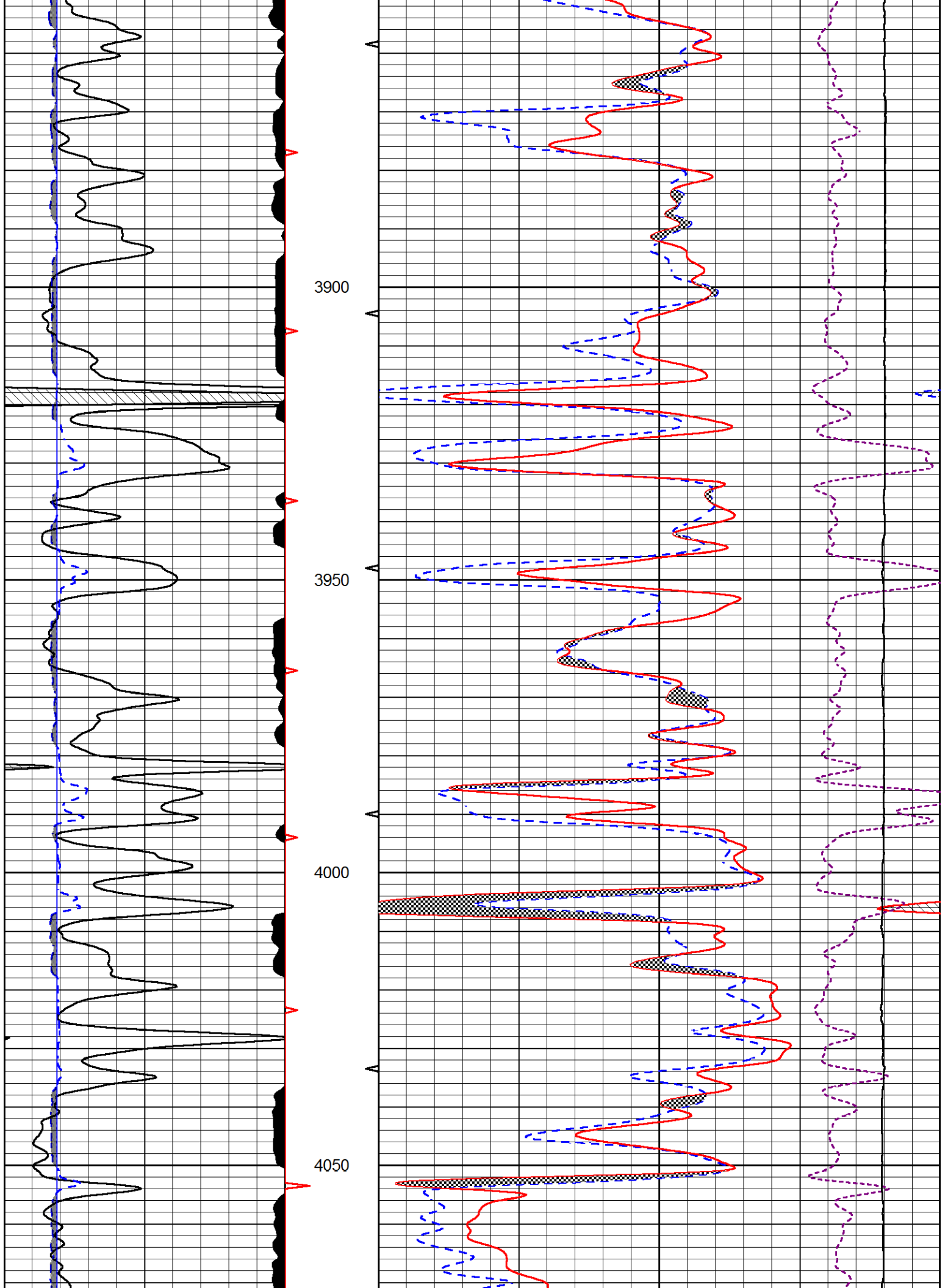


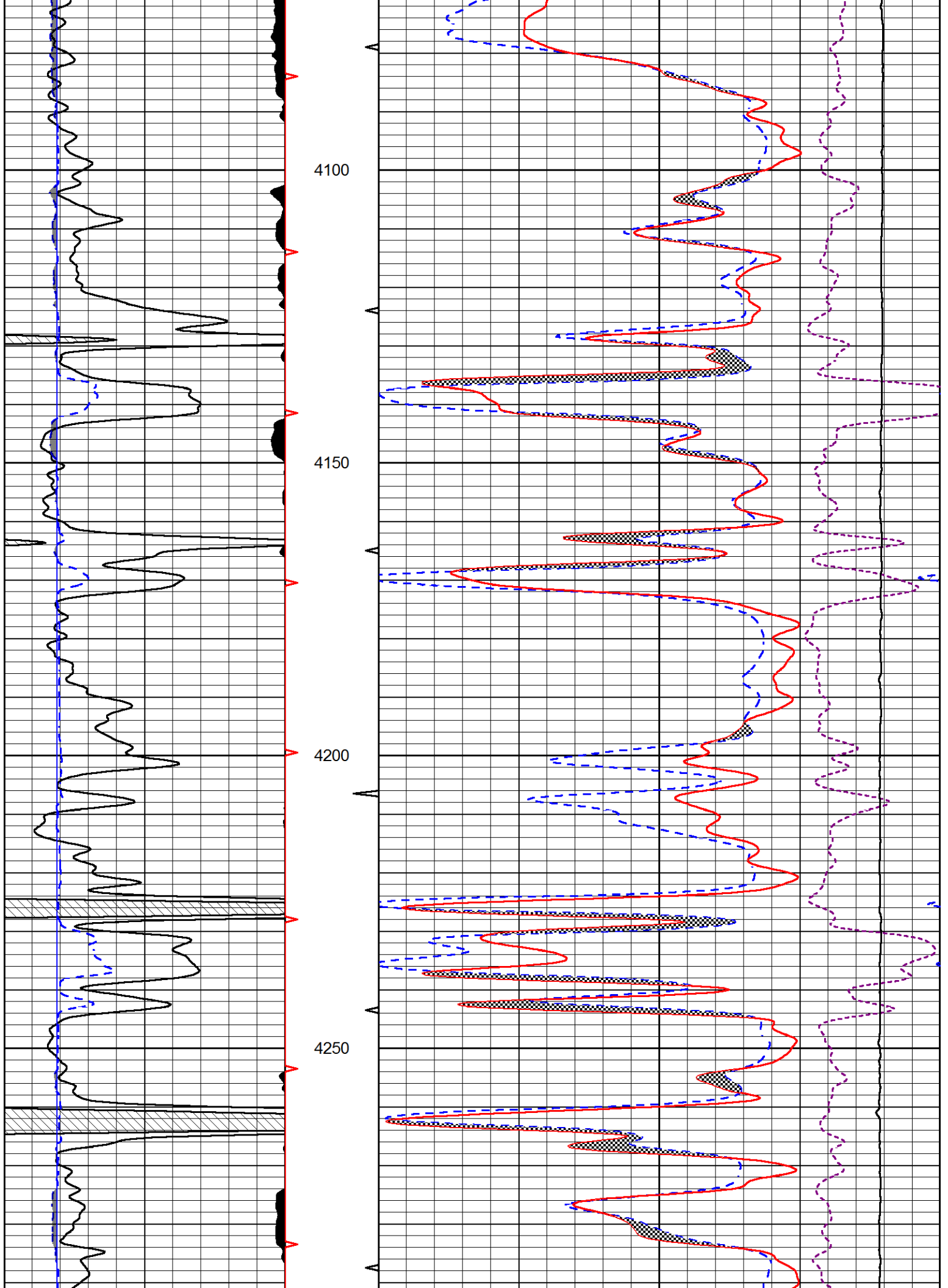

MAIN PASS

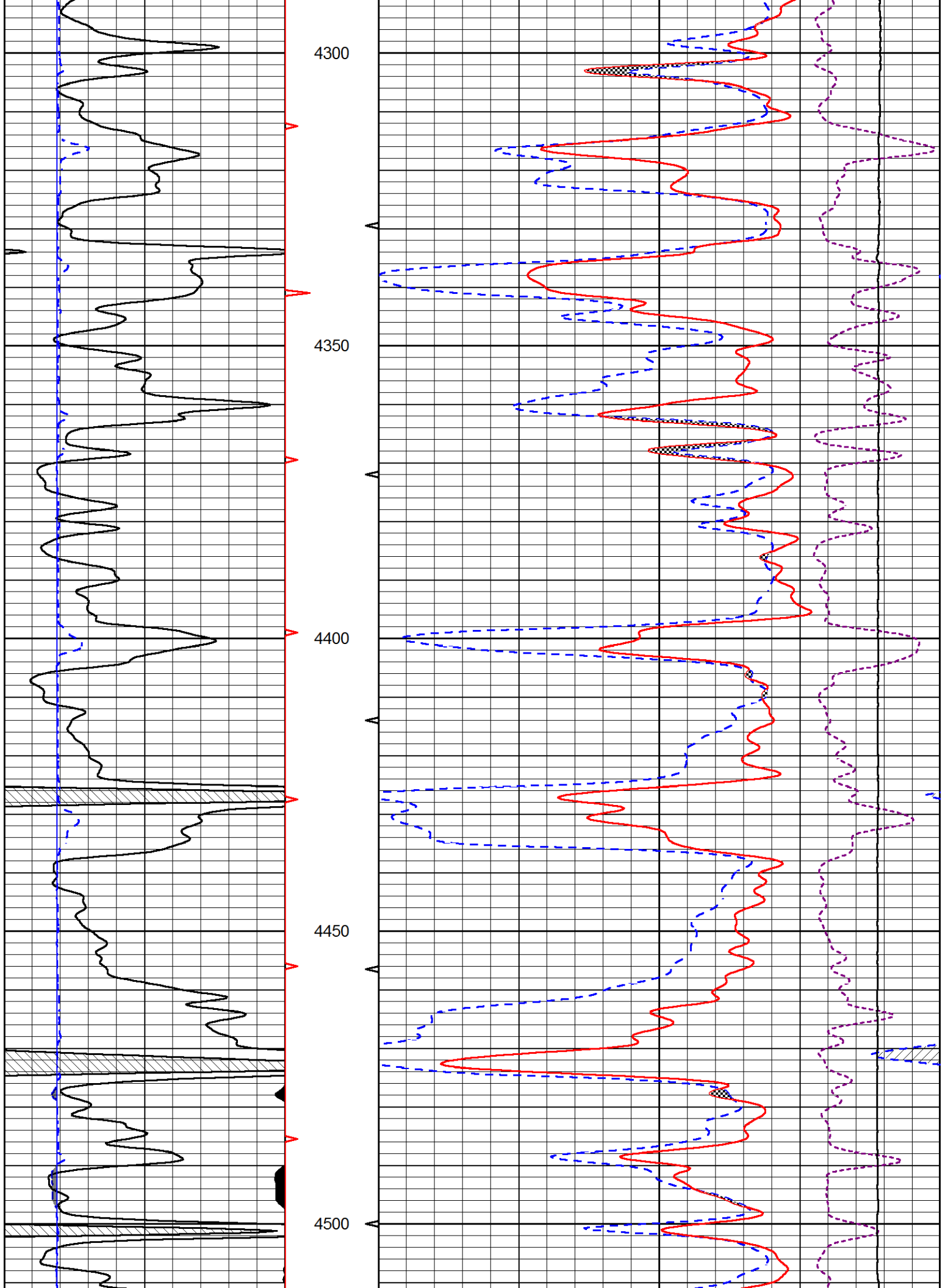
Database File: bluegoose_neeley_a_1.db
 Dataset Pathname: stackmel/pass4.1
 Presentation Format: cndlspec
 Dataset Creation: Sun Nov 06 16:35:08 2016
 Charted by: Depth in Feet scaled 1:240

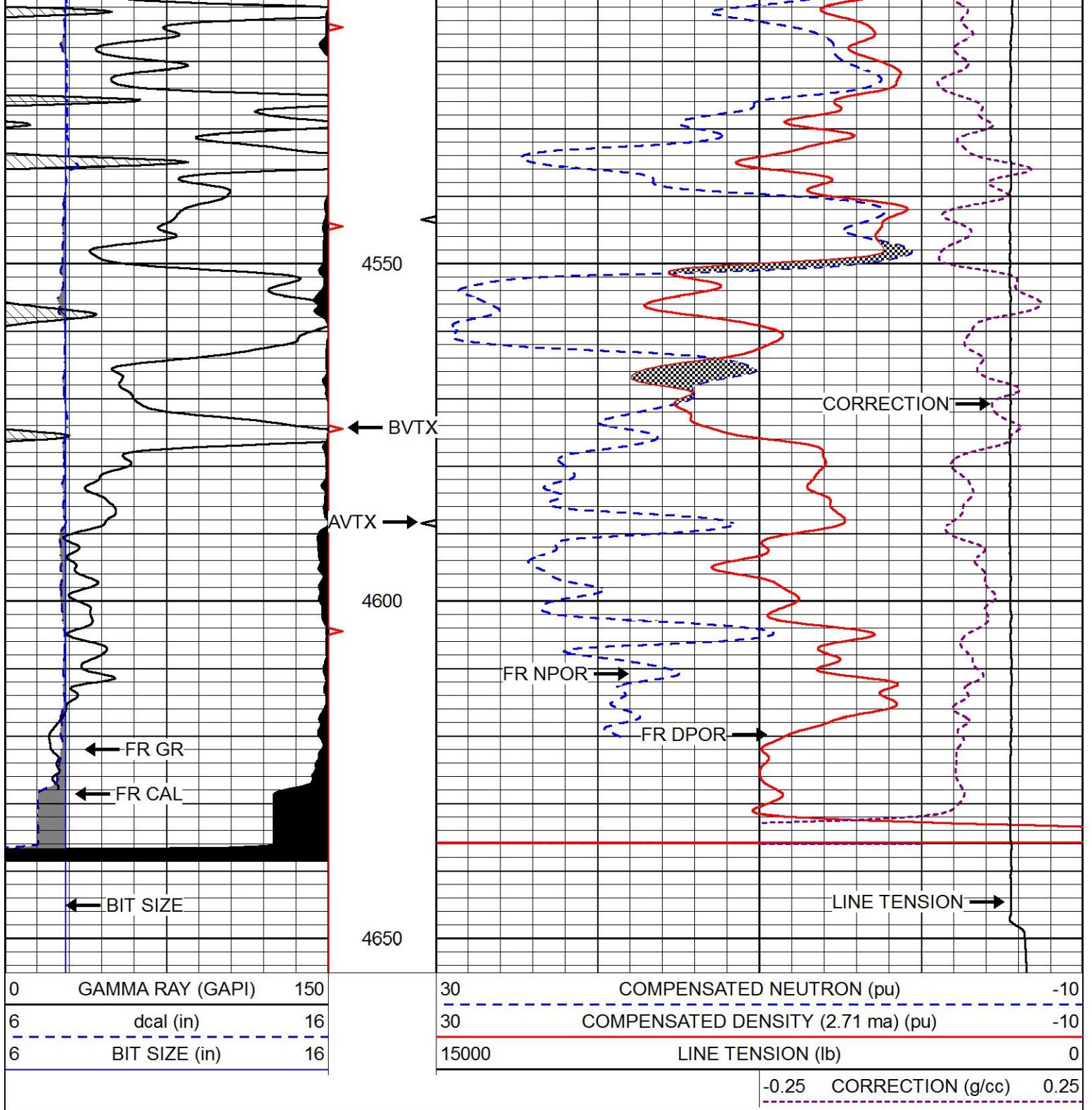










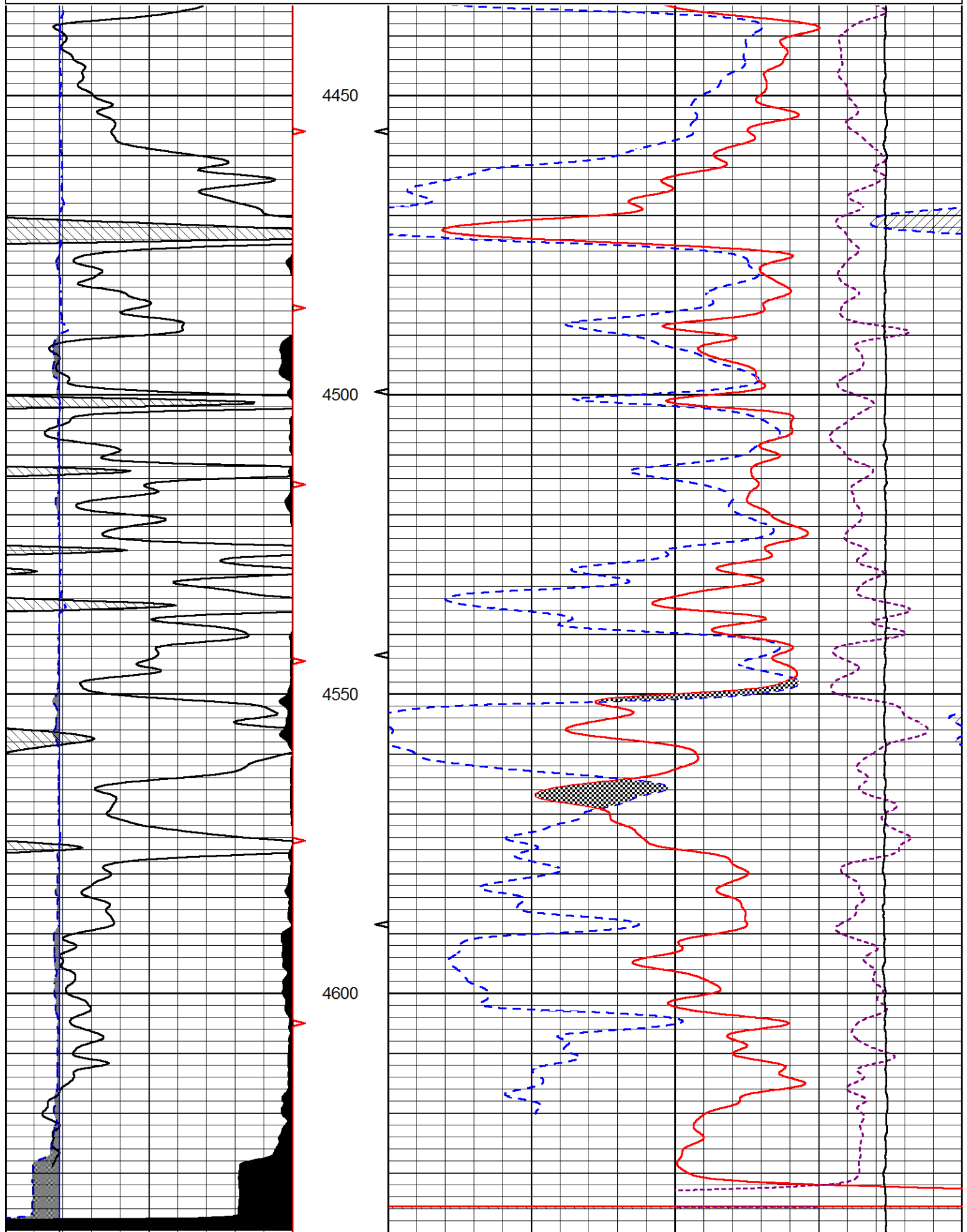


REPEAT SECTION

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass3.1
 Presentation Format cndlspec
 Dataset Creation Sun Nov 06 16:34:37 2016
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	30	COMPENSATED NEUTRON (pu)	-10
6	dcal (in)	16	30	COMPENSATED DENSITY (2.71 ma) (pu)	-10

-0.25 CORRECTION (g/cc) 0.25



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 BLUE GOOSE DRILLING CO., INC.
Well NEELEY "A" NO. 1
Field ALAMOTA NORTHWEST
County LANE
State KANSAS



PIONEER
Pioneer Energy Services

**MICRORESISTIVITY
LOG**

Company **BLUE GOOSE DRILLING CO., INC.**
Well **NEELEY "A" NO. 1**
Field **ALAMOTA NORTHWEST**
County **LANE** State **KANSAS**

Location: **API #: 15-101-22582-00-00**
2,310' FSL & 1,650' FWL
SEC 10 TWP 18S RGE 27W
Permanent Datum **GROUND LEVEL Elevation 2679'**
Log Measured From **KELLY BUSHING**
Drilling Measured From **KELLY BUSHING**
Other Services
**CNL/CDL
DIL**
Elevation
K.B. **2689'**
D.F. **N/A**
G.L. **2679'**

Date	11/6/2016
Run Number	ONE
Depth Driller	4660'
Depth Logger	4649'
Bottom Logged Interval	4648'
Top Log Interval	3600'
Casing Driller	8.625" @ 268'
Casing Logger	265'
Bit Size	7.875"
Type Fluid in Hole	CHEMICAL
Salinity, ppm CL	4300
Density / Viscosity	9.0 51
pH / Fluid Loss	9.0 9.6
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.90 @ 68
Rmt @ Meas. Temp	.68 @ 68
Rmc @ Meas. Temp	1.22 @ 68
Source of Rmf / Rmc	CHARTS
Rm @ BHT	.50 @ 123
Operating Rig Time	2 1/2 HOURS
Max Rec. Temp. F	123
Equipment Number	108
Location	COLBY
Recorded By	J. LONG
Witnessed By	KEN WALLACE

<<< 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.
DIGHTON, EAST TO TURKEY RED ROAD, 1 1/2 NORTH, EAST INTO ON FARM HOUSE SOUTH ENTRANCE, FOLLOW TRAIL EAST AND NORTH

Log Measured From: KELLY BUSHING 10 Ft. Above Permanent Datum

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

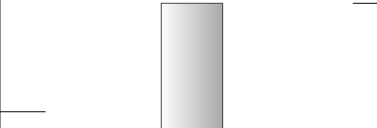
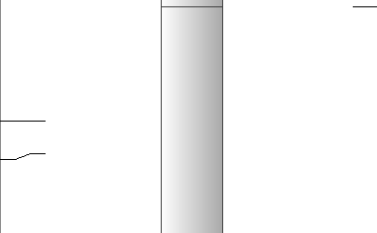
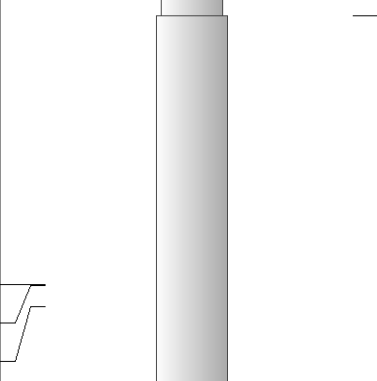
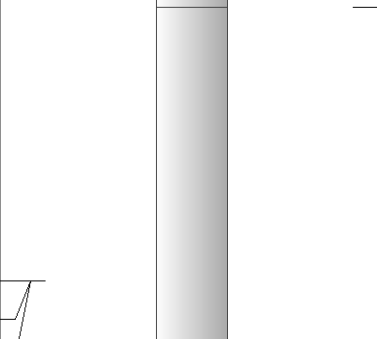
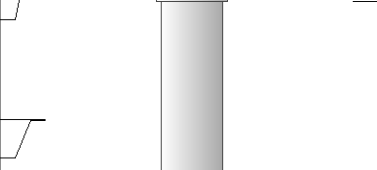
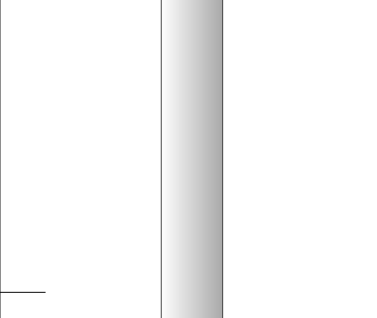
Your Pioneer Energy Services Crew Engineer: J. LONG Operator: C. PFEIFER Operator: Operator:	This Log Record Was Witnessed By Primary Witness: KEN WALLACE Secondary Witness: Secondary Witness: Secondary Witness:
---	---

Log Variables

DatabaseC:\ProgramData\Warrior\Data\bluegoose_neeley_a_1.db
 Dataset field/well/stackmel/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	123	4.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	0	58	Off	4649

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	40.58		GR-M&W (89-M&W)	3.00	3.50	50.00
CNLSC CNSSC	37.48 36.73		CNT-M&W (tk10-MW)	5.50	3.50	100.00
LSD DCAL SSD	28.43 28.42 27.93		CDL-M&W (71-914)	8.50	4.00	250.00
MCAL MI MN	19.83 19.83 19.83		ML-PSI STKBL ML (PSI-01) Stackable Microlog Tools	7.58	4.00	65.00
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: bluegoose_neeley_a_1.db: field/well/stackmel/pass4
 Total length: 43.08 ft
 Total weight: 685.00 lb
 O.D.: 4.00 in

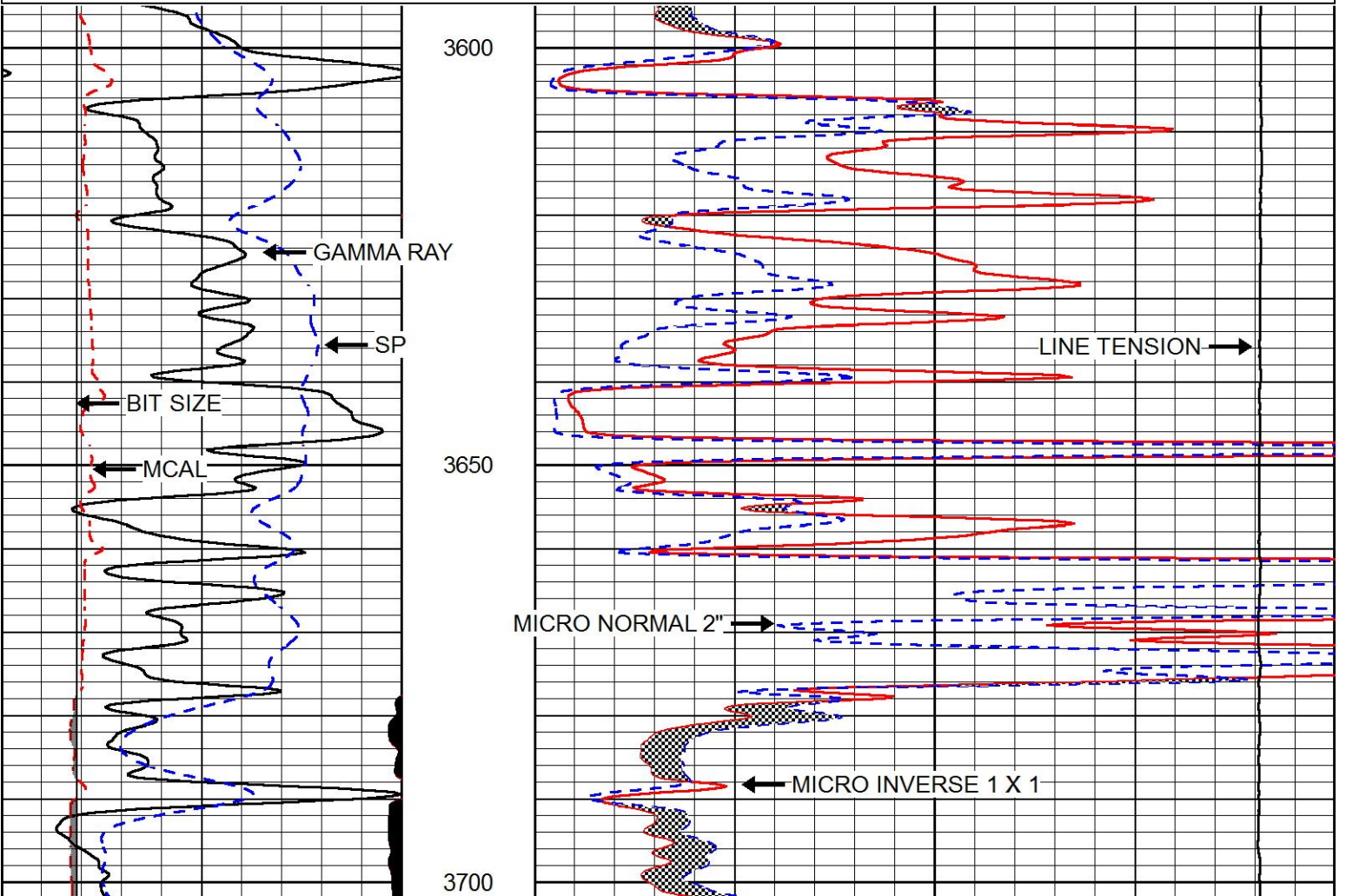


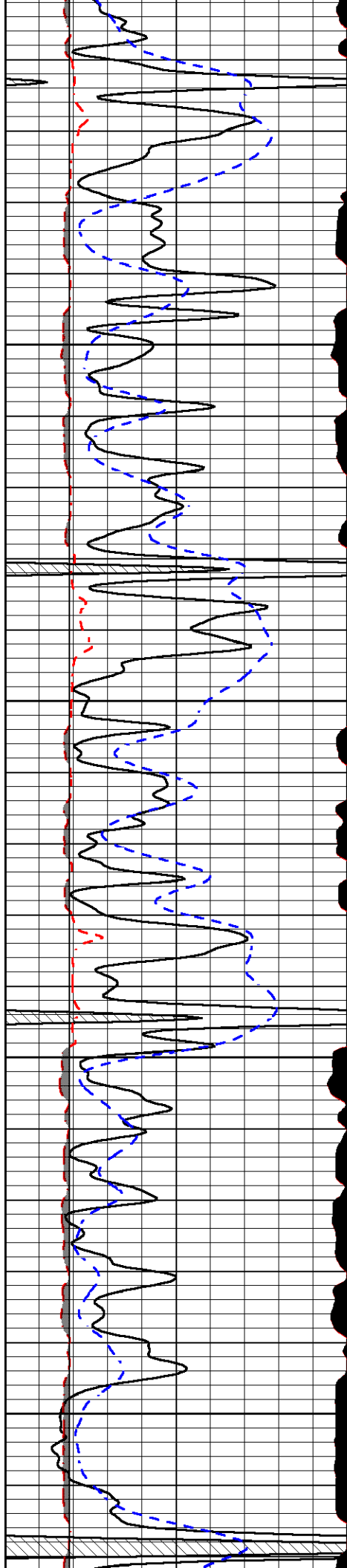
MAIN PASS

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass4.1
 Presentation Format micro
 Dataset Creation Sun Nov 06 16:35:08 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



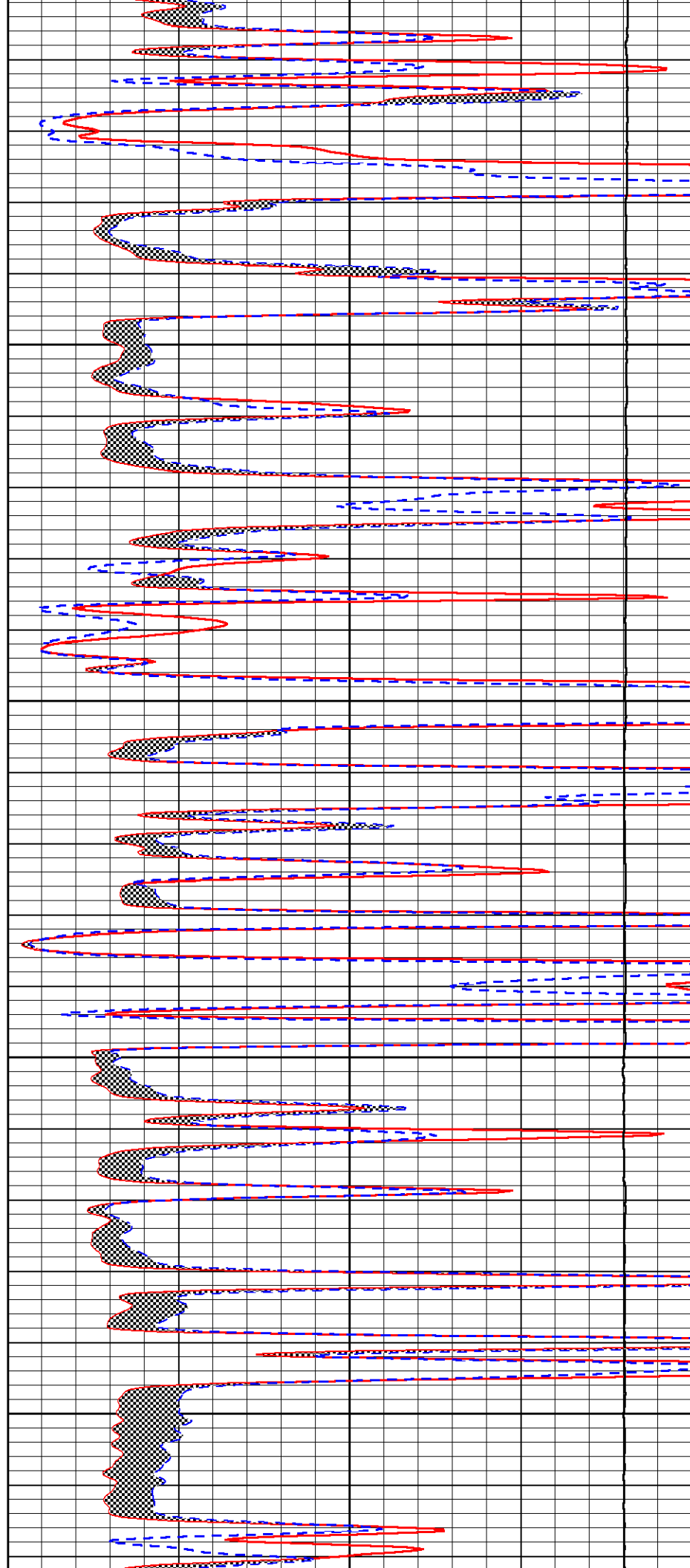


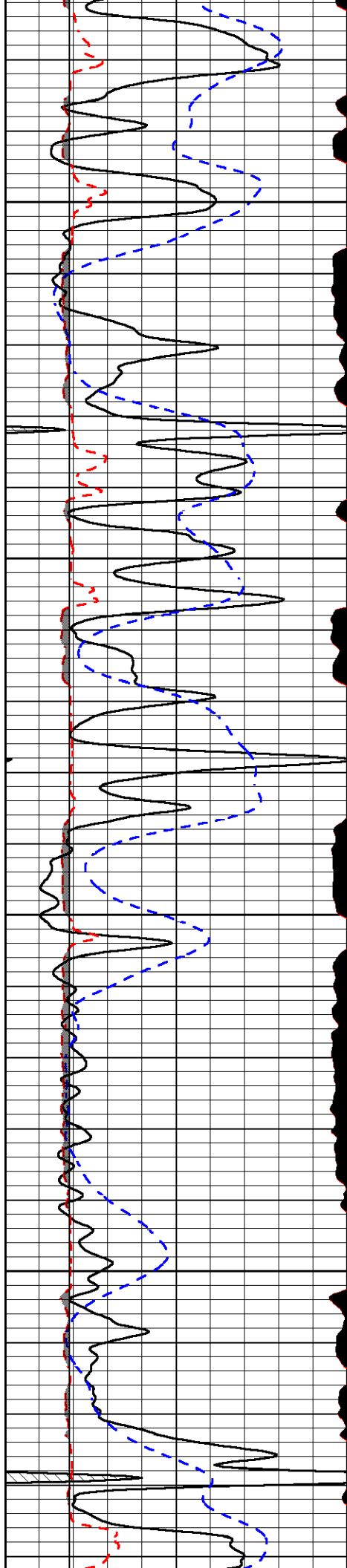
3750

3800

3850

3900



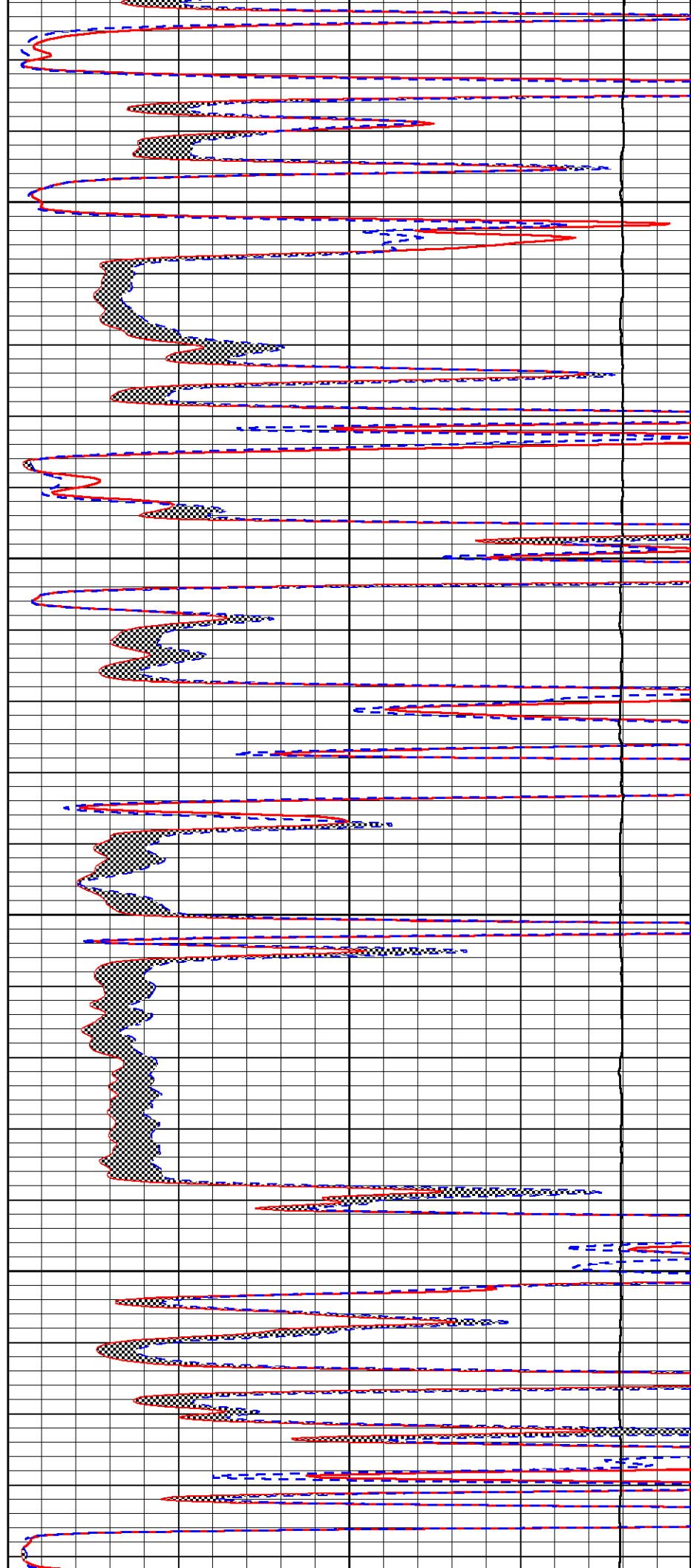


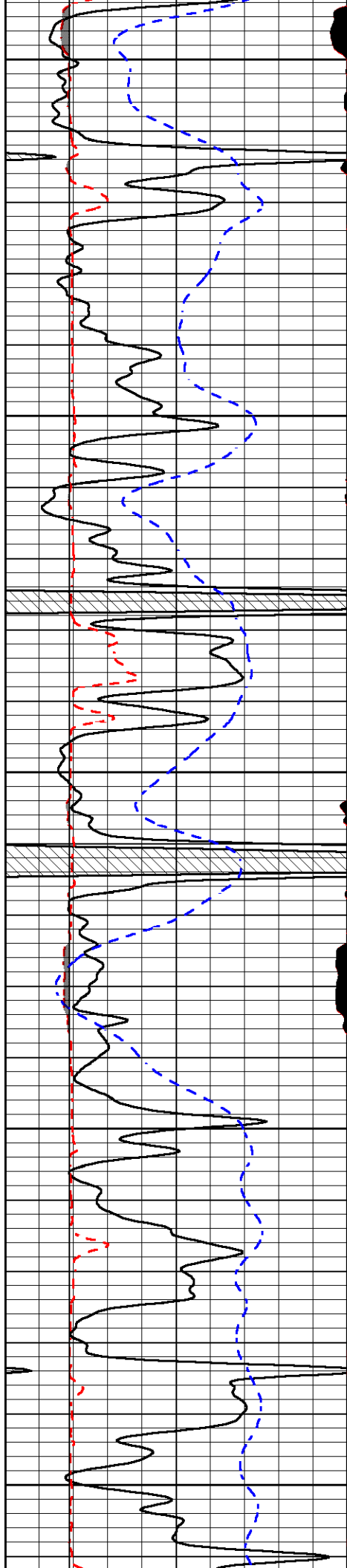
3950

4000

4050

4100





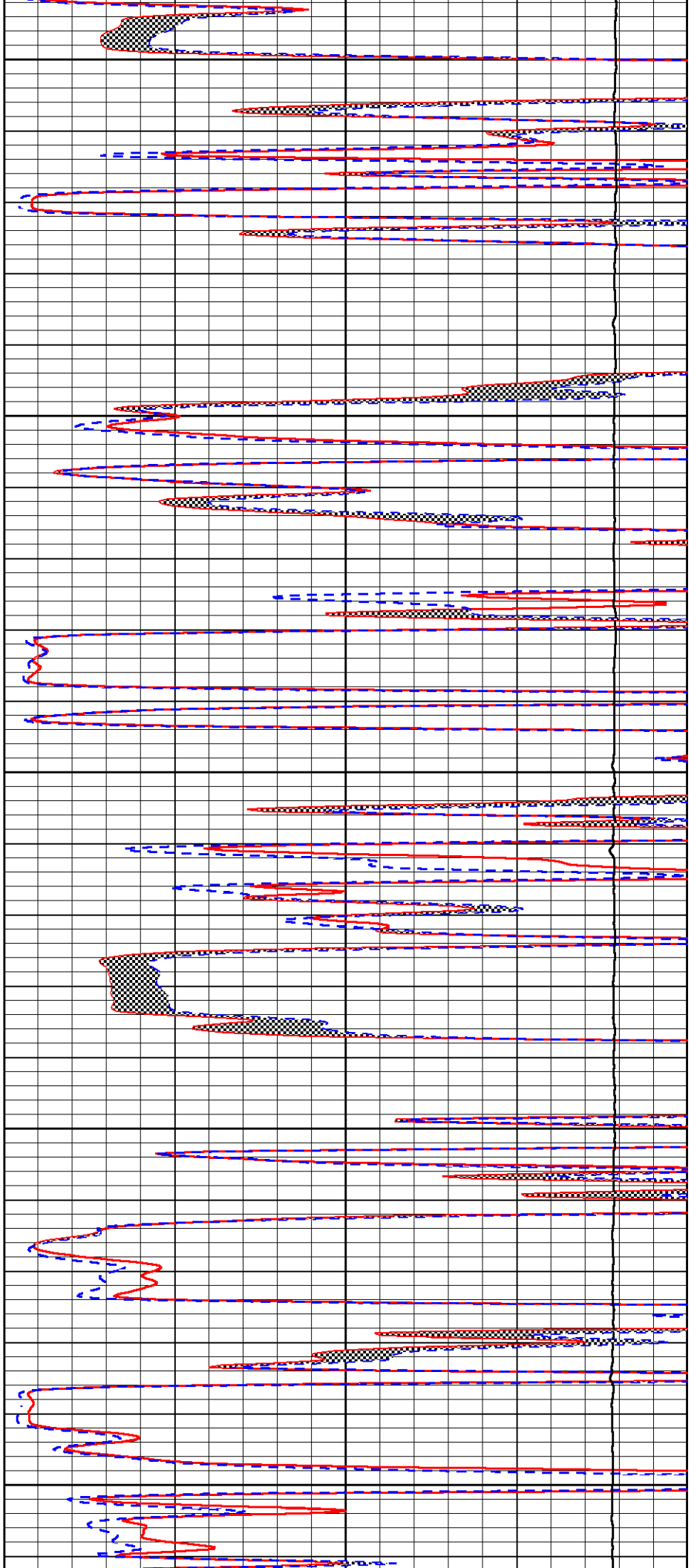
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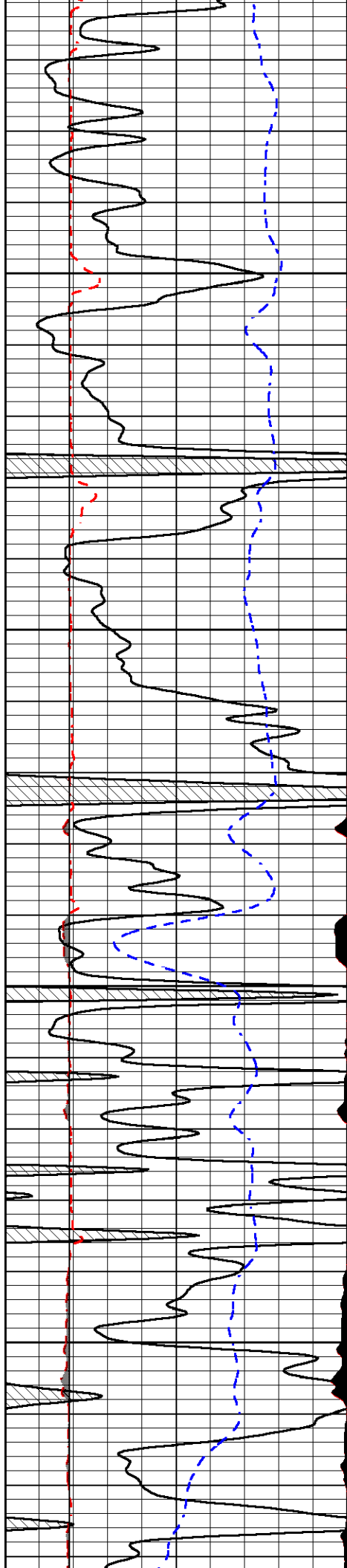
4200

4250

4300

4350



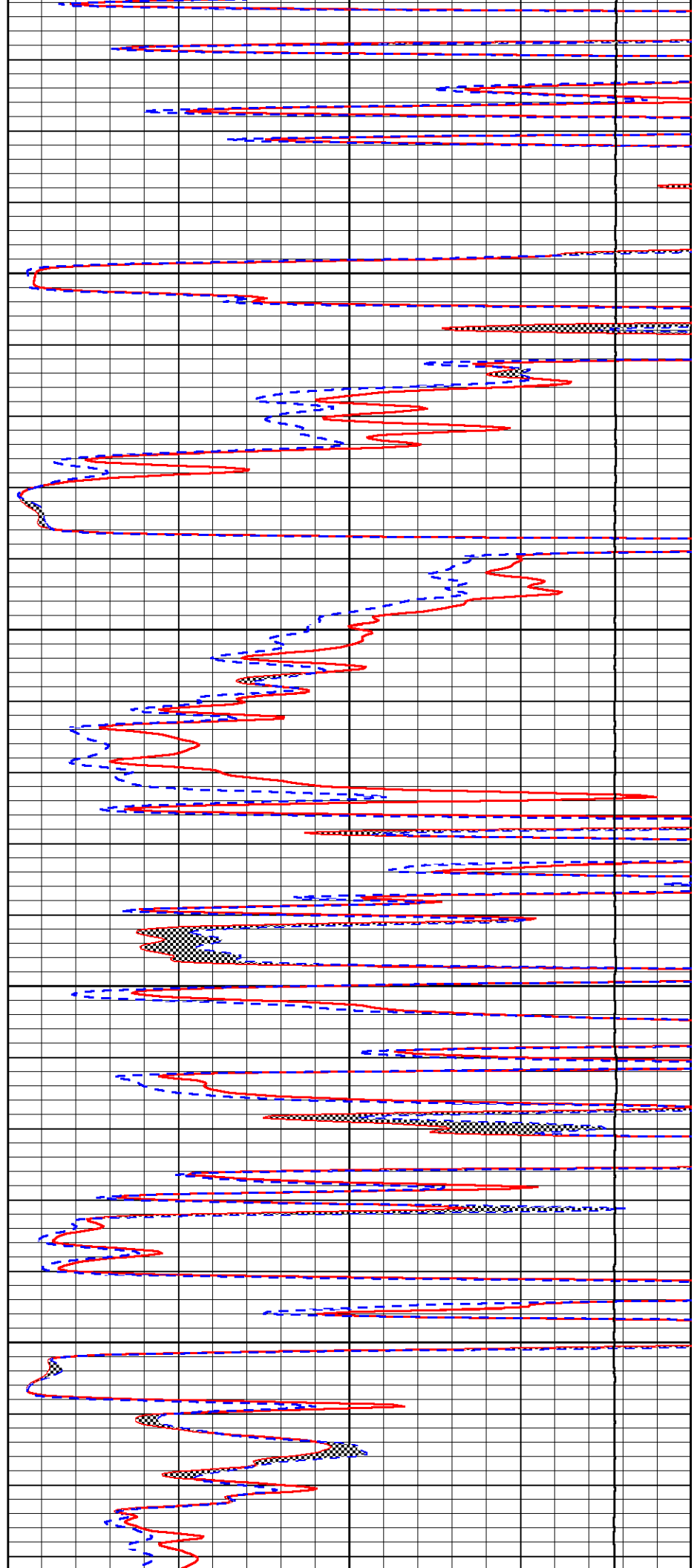


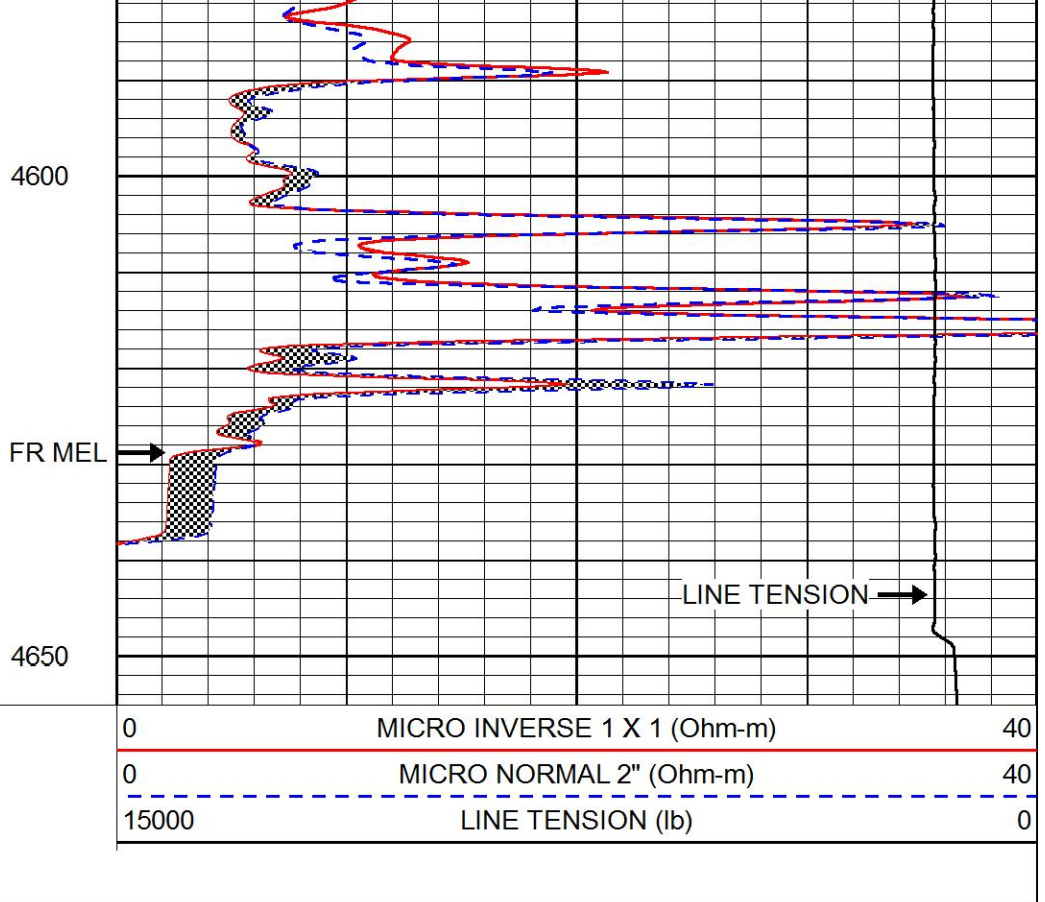
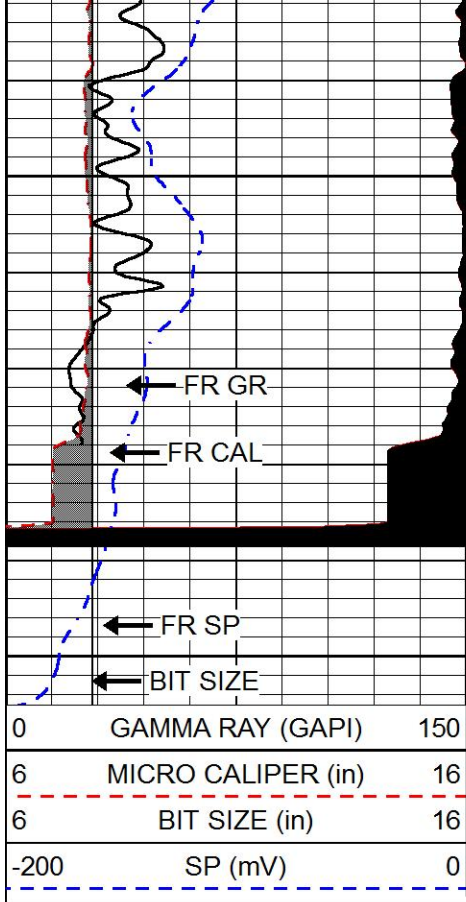
4400

4450

4500

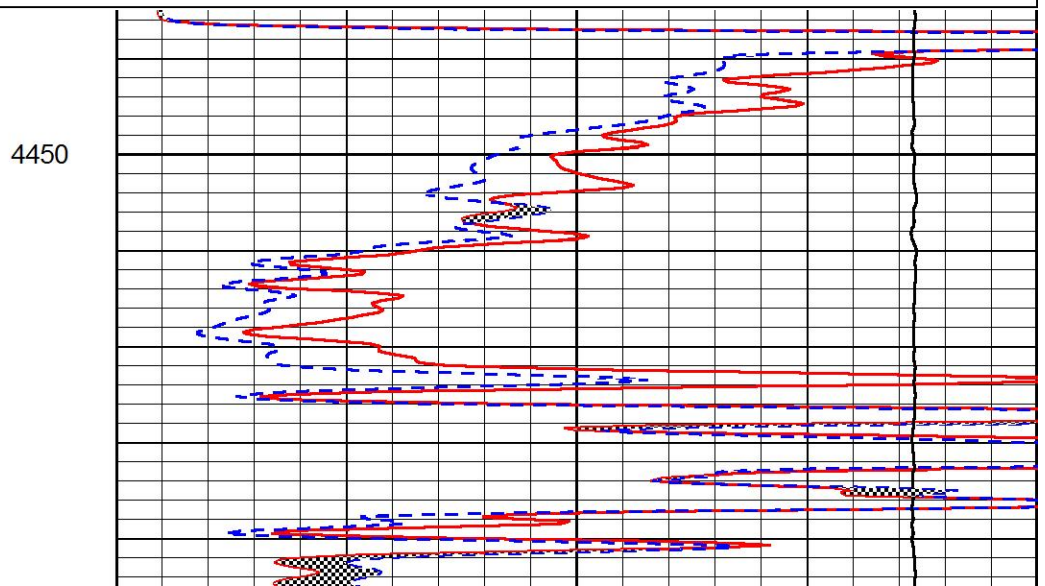
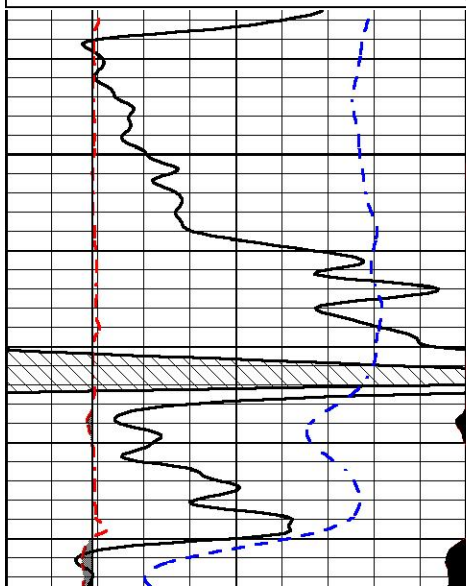
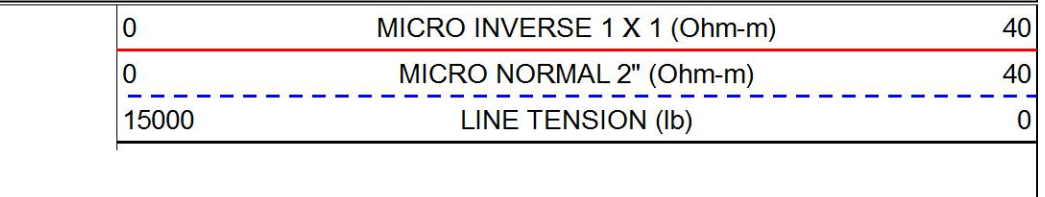
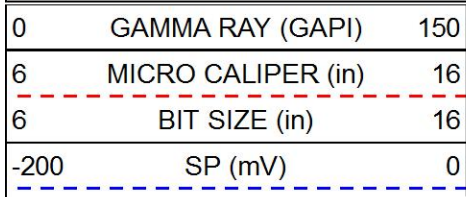
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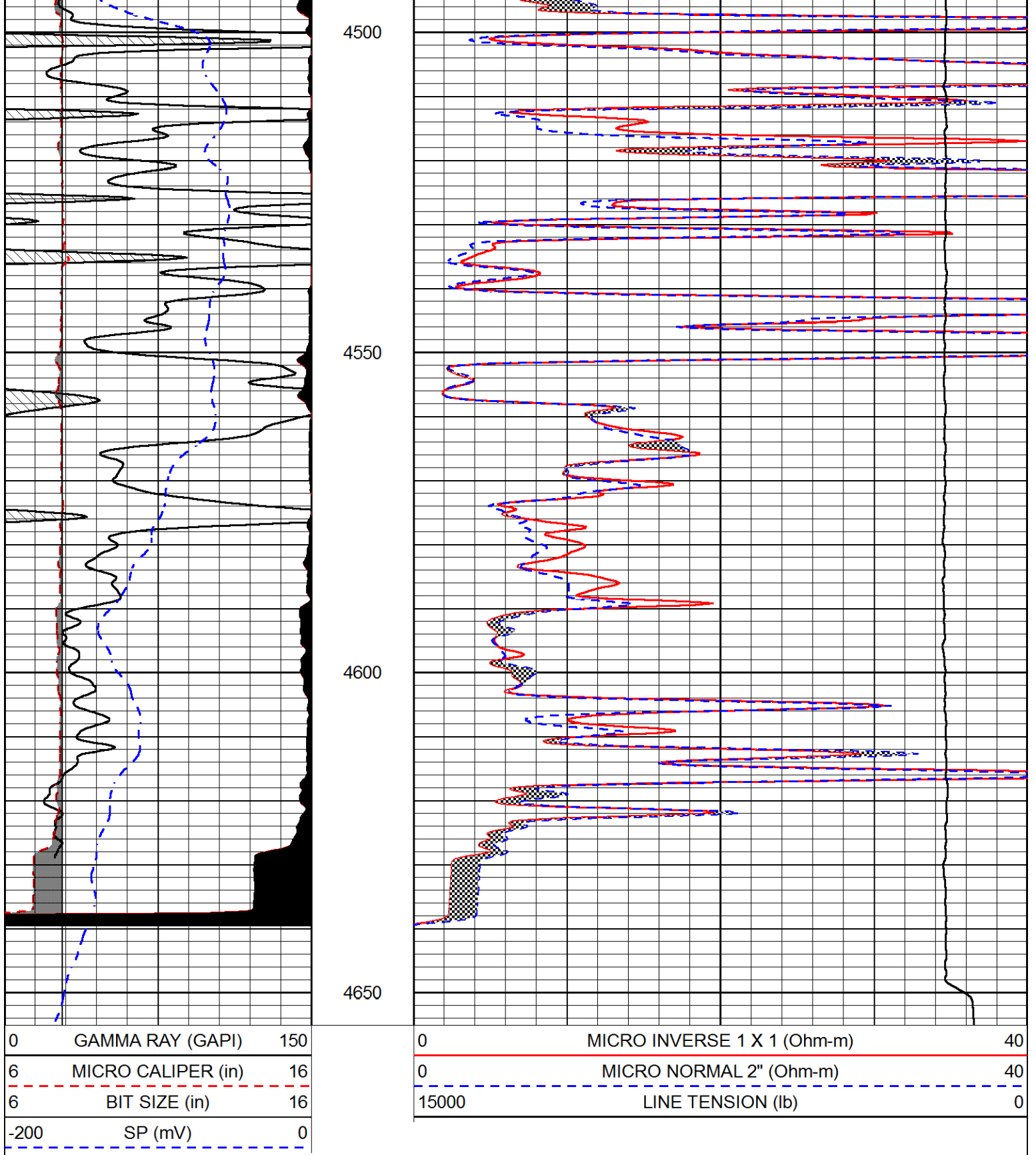




REPEAT SECTION

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass3.1
 Presentation Format micro
 Dataset Creation Sun Nov 06 16:34:37 2016
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File bluegoose_neeley_a_1.db
 Dataset Pathname stackmel/pass3
 Dataset Creation Sun Nov 06 14:27:41 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



Company BLUE GOOSE DRILLING CO., INC.
Well NEELEY "A" NO. 1
Field ALAMOTA NORTHWEST
County LANE
State KANSAS



CHARGE TO: Blue Goose

ADDRESS:

CITY, STATE, ZIP CODE:

TICKET 29756

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Neenah, WI KS</u>	WELL/PROJECT NO. <u>A#1</u>	LEASE <u>Neenah</u>	COUNTY/PARISH <u>Lave</u>	STATE <u>KS</u>	CITY <u>Alamota</u>	DATE <u>20 05 16</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>SOUTHWARD</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>concrete surface pipe</u>	WELL PERMIT NO.	WELL LOCATION <u>10-18-27</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>					MILEAGE	<u>20</u>	<u>mi</u>			<u>5.00</u>	<u>100.00</u>
<u>5765</u>					Pump Charge	<u>1</u>	<u>chg</u>			<u>800.00</u>	<u>800.00</u>
<u>325</u>					standard cement	<u>170</u>	<u>sk</u>			<u>12.25</u>	<u>2082.50</u>
<u>279</u>					Bertrite gel	<u>300</u>	<u>lb</u>	<u>3</u>	<u>sk</u>	<u>25.00</u>	<u>75.00</u>
<u>278</u>					calcium chloride			<u>8</u>	<u>sk</u>	<u>40.00</u>	<u>320.00</u>
<u>290</u>					D-AIR	<u>1</u>	<u>gal</u>			<u>42.00</u>	<u>42.00</u>
<u>581</u>					service charge	<u>170</u>	<u>sk</u>			<u>1.50</u>	<u>255.00</u>
<u>582</u>					Drayage (min)	<u>1680</u>		<u>1</u>	<u>chg</u>		<u>250.00</u>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TAX
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				TOTAL
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR _____ APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2007-16 PAGE NO.

CUSTOMER *Duo Goose* WELL NO. *A#1* LEASE *Norlay* JOB TYPE *cement surface pipe* TICKET NO. *29756*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								170 slk Standard cement w/ 2% gel 3% CC 8 5/8" x 24" casing 270' TD = 270'
	0130							on loc TRK 114
	0200							start 8 5/8" x 24" casing in well
	0301							circulate well
	0311	3 1/2	43				200	Mix STD 2% 3% 170' @ 14.7ppg
	0325							Displace w/ H2O
		3	11				300	→ cement to surface ←
		3	16				300	Kickout
	0330							shut in 8 5/8" { 170 slk standard } 20' topit
								work truck
								Rack up
	0400							job complete
								Thank
								Blair, Flat 5/10/07



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68209

REMIT TO: Allied Ofs, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT: Oakley

DATE <u>10-7-16</u>	SEC <u>10</u>	TWP. <u>18s</u>	RANGE <u>27w</u>	CALLED OUT	ON LOCATION <u>1:30 AM</u>	JOB START <u>6:30 AM</u>	JOB FINISH <u>7:20 AM</u>
LEASE <u>Neeley</u>	WELL # <u>A</u>	LOCATION <u>Dighton 9E 3/4 N E + N into</u>			COUNTY	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Southwind 1</u>
TYPE OF JOB <u>Production</u>
HOLE SIZE <u>2 7/8</u> T.D. <u>4650'</u>
CASING SIZE <u>4 1/2</u> DEPTH <u>4648'</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL <u>Port collar</u> DEPTH <u>1994.56</u>
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT <u>42'</u>
CEMENT LEFT IN CSG. <u>42'</u>
PERFS.
DISPLACEMENT <u>73,23 BBL</u>

OWNER <u>Same</u>
CEMENT
AMOUNT ORDERED <u>195 sks Asc 10% solt</u>
<u>7# Gilsonite 290gel 3/8" CO-31</u>
<u>14" Flo-seal 290gel 20 BBL Hivis</u>
<u>KCL</u> <u>Sweep</u>
COMMON @
POZMIX @
GEL <u>367#</u> @ <u>1.05</u> <u>385.35</u>
CHLORIDE @
ASC <u>195 sks</u> @ <u>23.50</u> <u>4582.50</u>
<u>Gilsonite 1365#</u> @ <u>.98</u> <u>1937.20</u>
@
<u>Hivis sweep 20 BBL</u> @ <u>25.00</u> <u>500.00</u>
@
<u>CO-31 137#</u> @ <u>7.23</u> <u>1059.01</u>
<u>KCL 290L</u> @ <u>34.20</u> <u>68.80</u>
<u>Flo-seal 49#</u> @ <u>2.97</u> <u>145.53</u>
@

EQUIPMENT

PUMP TRUCK CEMENTER <u>Andrew</u>
<u>431</u> HELPER <u>Wayne</u>
BULK TRUCK
<u>891</u> DRIVER <u>Cory</u>
BULK TRUCK
DRIVER

TOTAL

DISCOUNT %

REMARKS:

Pump 15 BBL KCL water 20 BBL Hivis sweep 5 BBL KCL water
Plug mouse hole plug rat hole, mix cement
down 4 1/2 casing, wash pump and line
clean, Release plug and displace
800# lift pressure land plug 1300ft
Float holder

Thank you

CHARGE TO: Blue Goose company
STREET PO Box 1413
CITY Great Bend STATE KS ZIP 67530

SERVICE

HANDLING <u>265 cu/ft</u> @ <u>2.48</u> <u>657.20</u>
MILEAGE <u>2.75 ton/mile 11 ton</u> <u>907.50</u>
DEPTH OF JOB <u>4648'</u>
PUMP TRUCK CHARGE <u>2765.75</u>
EXTRA FOOTAGE @
HV MILEAGE <u>30 miles</u> @ <u>7.70</u> <u>231.00</u>
LV MILEAGE <u>30 miles</u> @ <u>4.40</u> <u>132.00</u>
<u>Head + mani fold</u> @ <u>275.00</u>
<u>Rotator</u> @ <u>200.00</u>

TOTAL

DISCOUNT %

PLUG & FLOAT EQUIPMENT

@
@
@
@
@

TOTAL

DISCOUNT %

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

PRINTED NAME Doug Roberts
SIGNATURE Doug Roberts

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



CHARGE TO: Blue Goose

ADDRESS

CITY, STATE, ZIP CODE

TICKET 29827

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Ness City KS</u>	WELL/PROJECT NO. <u>A#1</u>	LEASE <u>Neeley</u>	COUNTY/PARISH <u>LANE</u>	STATE <u>KS</u>	CITY <u>Dighton</u>	DATE <u>17 Nov 16</u>	OWNER
2.	TICKET TYPE <input type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>FRITZLER</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>location</u>	ORDER NO.	
3.	WELL TYPE <u>oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>cement port collar</u>	WELL PERMIT NO.	WELL LOCATION		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	
575		1			MILEAGE	20	mi	5.00		100.00
576D		1			Pump Charge	1	ea	1250.00		1250.00
330		1			SMD cement	190	sk	15.175		2922.50
274		1			flocle	50	lb	2.25		112.50
290		1			DRAIN	2	gal	42.00		84.00
581		1			service charge	300	sk	1.50		450.00
582		1			Drayage (min)	29853	lb	1	ea	250.00
104		1			Port Collar Tool Rental	4 1/2	in	1	ea	200.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

x Don M

DATE SIGNED 11/17/16 TIME SIGNED A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	5439.00
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					
WE UNDERSTOOD AND MET YOUR NEEDS?					
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL	5613.18

Lane Co
TAX 7.5%

JOB LOG

SWIFT Services, Inc.

DATE 17 NOV 16 PAGE NO. 1

CUSTOMER Blue Goose WELL NO. A#1 LEASE Neeley JOB TYPE cement port collar TICKET NO. 29827

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								300SK SMD cement w/ 1/4" floccle 2 3/8 x 4 1/2 port collar - 1991'
	0945							on loc TRK 110
	1007					1000	1000	pressure to 1000psi - held
	1017							open port collar inj rate 3 @ 300
	1022	4				600		Mix SMD cement @ 11.2 gpg
		4	22			600		- circ fluid to surface -
	1040	4	101			750		→ Cement to surface ← { 190sk mixed } { 20 to pit }
		4	6 1/2			750		Displace 6 1/2 bbl H ₂ O shut port collar
	1050					1000	1000	test to 1000psi - held
	1055							Run 5 joints
	1102		20					Reverse hole clean - 2 cement plugs - - pull tool -
	1145							wash truck Rack up job complete
								Thanks Blaine, Flat & Preston

