



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1191813  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1191813

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

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				

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

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

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

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

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Blue Goose Drilling Company, Inc.
Well Name	Borell E 1
Doc ID	1191813

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Cement Bond Log

Form	ACO1 - Well Completion
Operator	Blue Goose Drilling Company, Inc.
Well Name	Borell E 1
Doc ID	1191813

Tops

Name	Top	Datum
Heebner	3851	-1257
Lansing	3887	-1293
Stark Shale	4157	-1563
BKC	4228	-1634
Pleasanton	4234	-1640
Marmaton	4263	-1669
Ft. Scott	4407	-1813
Cherokee Sh	4432	-1838
Base Johnson Zone	4489	-1895
Eros. Miss	4513	-1919



# ALLIED OIL & GAS SERVICES, LLC 061054

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
*Great Bend, KS*  
*11-12-13*

DATE <i>11-11-13</i>	SEC. <i>4</i>	TWP. <i>13S</i>	RANGE <i>27E</i>	CALLED OUT	ON LOCATION	JOB START <i>3:00 AM</i>	JOB FINISH <i>4:00 AM</i>
LEASE <i>Magelle</i>		WELL # <i>1</i>	LOCATION <i>Turkey Red Rd</i>		COUNTY <i>Lane</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)			<i>2 1/2 N Winso</i>				

CONTRACTOR *H.D. Drilling #3* OWNER \_\_\_\_\_

TYPE OF JOB *Surf Fire*

HOLE SIZE *12 1/4* T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE *5 7/8* DEPTH *287.44* AMOUNT ORDERED *175 sks Class A*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_ *34" CG 2" gpl*

DRILL PIPE *4 1/2* DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON *175* @ *17.90* *3,132.50*

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX \_\_\_\_\_ @ \_\_\_\_\_

CEMENT LEFT IN CSG. *15 ft* GEL *4* @ *23.40* *93.60*

PERFS. \_\_\_\_\_ CHLORIDE *493* @ *.80* *394.40*

DISPLACEMENT *17.35 bbls* ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER *Dustin Chambers*

# *7925* HELPER *Mike Gothorn*

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# *609-112* DRIVER *Tommy Tijerina*

BULK TRUCK \_\_\_\_\_ @ \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_ @ \_\_\_\_\_

HANDLING *90.41* @ *2.48* *472.21*

MILEAGE *8.67 x 28 x* *2.60* *631.17*

TOTAL *4,723.88*

**REMARKS:**

*Break circulation with 4 Rtg mud*  
*pump 56 bbls Freshwater Ahead*  
*mix 175 sks cement*  
*Displace 17.35 bbls Spolwater & shut in*  
*Cemented and circulation*  
*Plug Down - 3:00 AM 11-12-13*  
*Ring Down*

**SERVICE**

DEPTH OF JOB *287*

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE *Hum 28* @ *7.70* *215.60*

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

*hvon 28* @ *4.40* *123.20*

TOTAL *1,851.05*

CHARGE TO: *Blue Goose Drilling*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

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

PRINTED NAME *X Neil Markle*

SIGNATURE *X Neil Markle*

*Thank You!!*

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES *6,574.93*

DISCOUNT *1,314.98* IF PAID IN 30 DAYS

*5,259.95*

JOB LOG

SWIFT Services, Inc.

DATE 2/20/13 PAGE NO.

CUSTOMER BLUE GOOSE WELL NO. LEASE BORELLE #1 JOB TYPE 5 1/2 LONGSTRING TICKET NO. 25796

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1830							ON LOCATION
	2125							START PIPE 5 1/2 - 15.5 # RTDC @ 4582 SET @ 4581 SHOETT. 42.14 CENTRALIZERS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 BASKETS 1, 2 PORT COLLAR ON # 62 @ 1966
	1145							DROP BALL - CIRCULATE
	0100	6	15		✓		300	Pump 15 BDR KCL FLUSH
		6	12		✓		300	Pump 500 gal FLOCHECK
		6	5		✓		300	Pump 5 BDR KCL FLUSH
	0108		7					PLUG RH - 30sx
	0111	4	30		✓			MIX 125sx EA-2
	0124							WASH OUT PUMP & LINES
	0127	6			✓			START DISPLACING PLUG
	0145	8	108		✓		1500	PLUG DOWN LATCH PLUG IN.
	0147				✓			RELEASE PSI - DRY
	0150							WASH TRUCK
	0215							JOB COMPLETE. THANKS # 115 JASON DAVE DOUG



PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 25796

CUSTOMER BLUE GOOSE WEL BORELL E #1 DATE 21 Nov 13 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
276						FLDCELE	50	lbs			2 <sup>50</sup>	125 <sup>00</sup>
283						SALT	800	lbs			2 <sup>00</sup>	1600 <sup>00</sup>
284						CALSEAL	7	sq			35 <sup>00</sup>	245 <sup>00</sup>
292						HALAD-322	150	lbs			8 <sup>00</sup>	1200 <sup>00</sup>
277						GILSONITE	1100	lbs			7 <sup>50</sup>	825 <sup>00</sup>
325						STANDARD CEMENT EA-2	155	sq			14 <sup>50</sup>	2247 <sup>50</sup>
581						SERVICE CHARGE					2 <sup>00</sup>	310 <sup>00</sup>
583						MILEAGE CHARGE	17370	TOTAL WEIGHT	LOADED MILES 30	TON MILES	1 <sup>00</sup>	260 <sup>55</sup>
											CONTINUATION TOTAL	5373 <sup>05</sup>





CHARGE TO: Blue Goose

ADDRESS

CITY, STATE, ZIP CODE

TICKET 25755

PAGE 1 OF 1

1. SERVICE LOCATIONS <u>Ness City KS</u>	WELL/PROJECT NO. <u>E-1</u>	LEASE <u>Borell</u>	COUNTY/PARISH <u>Lane</u>	STATE <u>KS</u>	CITY <u>Alamota</u>	DATE <u>27 Nov 13</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 <u>4-16-27</u>		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575		1			MILEAGE	35	mi			6.00	210.00
576D		1			Pump Charge	1	ea			1500.00	1500.00
330		1			SMD cement	175	sk			18.50	3237.50
276		1			Fluocel	50	lb			2.50	125.00
290		1			D-AIR	2	gal			42.00	84.00
104		1			Port Collar Tool Rental	1	ea			250.00	250.00
583		1			Drayage	2230	lb	391.82	T/M	1.00	391.82
581		1			Service charge	225	sk			2.00	450.00

**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  
DATE SIGNED \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  A.M.  P.M.

11/5

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?				6248 32
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				6512 65

Lane TAX 7.15% 264 30

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

SWIFT OPERATOR ABE Hall APPROVAL \_\_\_\_\_

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 27 NOV 13 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Bluebase		2-1		Borell		cement port collar		25755	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									225 sk SMD cement w/ 1/4" Floccle 2 3/8 x 5 1/2 port collar @ 1966'
	0830								on loc TRK 114
	0855					1000	1000		test to 1000 psi - held open port collar
	0910	3	2			400			inj rate 3 bpm @ 400psi
	0920	3	17			400			mix SMD cement @ 1 1/2 ppq - fluid to surface -
	0945	3	93			500			- cement to surface -  (175 sk mixed 20 to pit)
		3	6			500			Displace w/ 6 bbl H <sub>2</sub> O
		1/2	2			200			Rubber in head leaking - lost fluid from Bore side pump 2 bbl H <sub>2</sub> O down 2 3/8 x 5 1/2 bore side close port collar
	1030					1000	1000		test to 1000 psi - held Bore 5 joints
			30						Reverse hole clean - 2 cement flags
	1045								wash up truck
									Rack up
	1110								job complete
									Thanks John Flint & Brine



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blue Goose Drilling Inc.  
 P.O. Box 1413  
 Great Bend, KS 67530  
 ATTN: Vern Schrag

**4-18s-27w-Ness, Co, KS**  
**Borell-E-#1**  
 Job Ticket: 54539 **DST#:1**  
 Test Start: 2013.11.17 @ 11:20:00

## GENERAL INFORMATION:

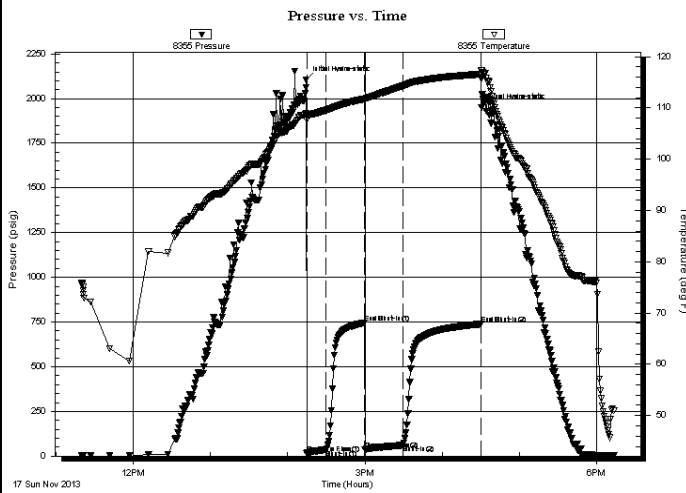
Formation: **Lkc "K"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 14:14:45  
 Time Test Ended: 18:13:00  
 Interval: **4126.00 ft (KB) To 4176.00 ft (KB) (TVD)**  
 Total Depth: 4176.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Cornelio Landa III (  
 Unit No: 58  
 Reference Elevations: 2594.00 ft (KB)  
 2587.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8355

**Outside**

Press@RunDepth: 61.52 psig @ 4128.00 ft (KB)  
 Start Date: 2013.11.17 End Date: 2013.11.17  
 Start Time: 11:20:05 End Time: 18:12:59  
 Capacity: 8000.00 psig  
 Last Calib.: 2013.11.17  
 Time On Btm: 2013.11.17 @ 14:14:15  
 Time Off Btm: 2013.11.17 @ 16:30:30

TEST COMMENT: IF: 3 1/2 in. blow  
 ISI: Bled off in 2 min.- No return  
 FF: 8 1/2 in. of blow  
 FSI: Bled off in 2 min.- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2106.24	108.97	Initial Hydro-static
1	16.31	107.69	Open To Flow(1)
16	36.28	109.58	Shut-In(1)
46	746.32	111.77	End Shut-In(1)
46	34.55	111.76	Open To Flow(2)
76	61.52	114.38	Shut-In(2)
136	738.63	116.61	End Shut-In(2)
137	1948.66	117.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	Wocm 5w 20o 75m	0.59
0.00	Rw .90 @ 40=11000	0.00

## Gas Rates

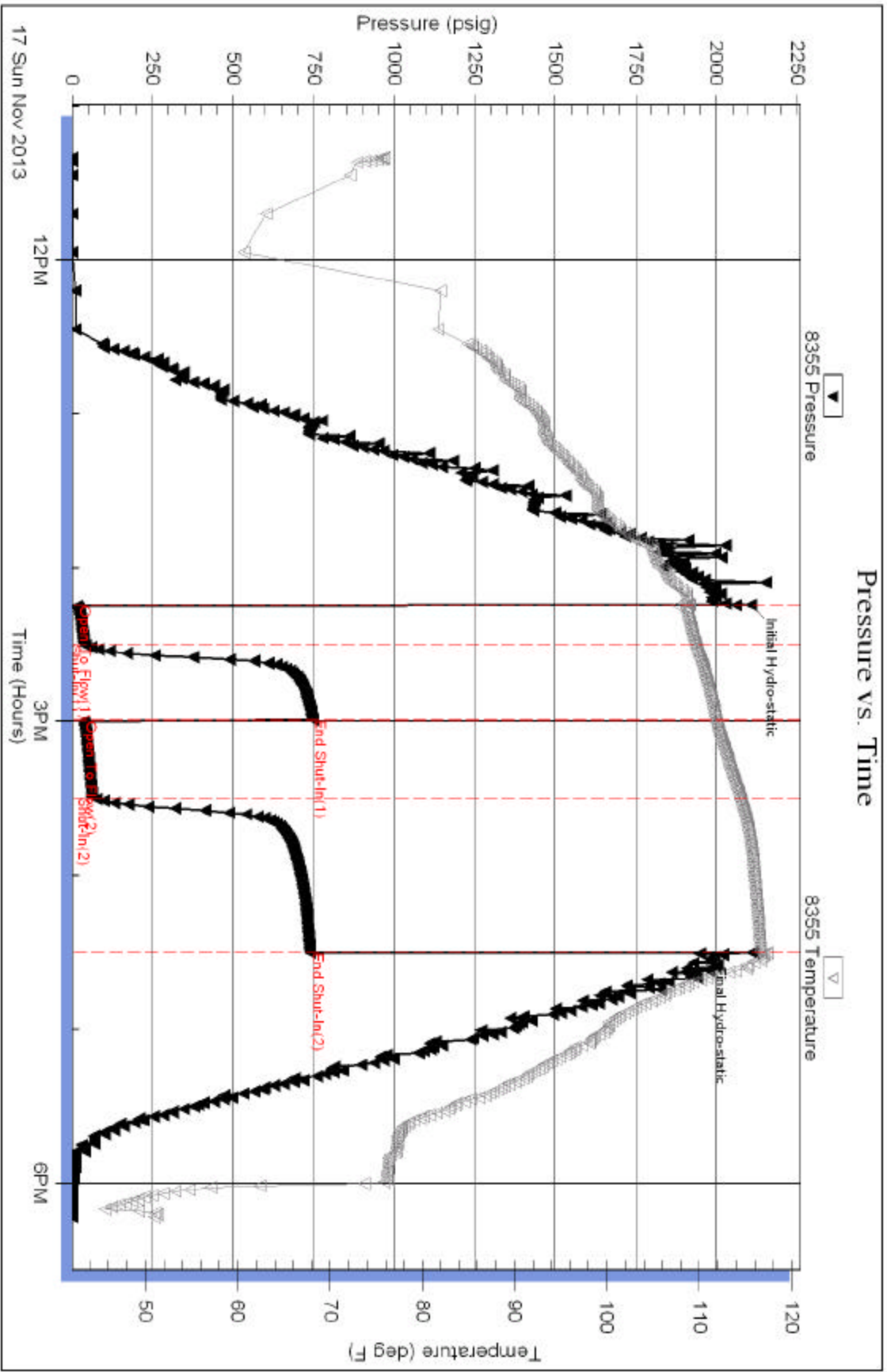
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Serial #: 8355

Outside Blue Goose Drilling Inc.

Borel-E#1

DST Test Number: 1



Trickle Testing, Inc

Ref. No: 54539

Printed: 2013.11.17 @ 18:49:16



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blue Goose Drilling Inc.  
 P.O. Box 1413  
 Great Bend, KS 67530  
 ATTN: Vern Schrag

**4-18s-27w-Lane Co, KS**  
**Borell-E-#1**  
 Job Ticket: 54540      **DST#:2**  
 Test Start: 2013.11.18 @ 03:24:00

## GENERAL INFORMATION:

Formation: **Lkc "L"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 05:52:15  
 Time Test Ended: 10:29:30  
 Interval: **4186.00 ft (KB) To 4215.00 ft (KB) (TVD)**  
 Total Depth: 4215.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Cornelio Landa III (  
 Unit No: 58  
 Reference Elevations: 2594.00 ft (KB)  
 2587.00 ft (CF)  
 KB to GR/CF: 7.00 ft

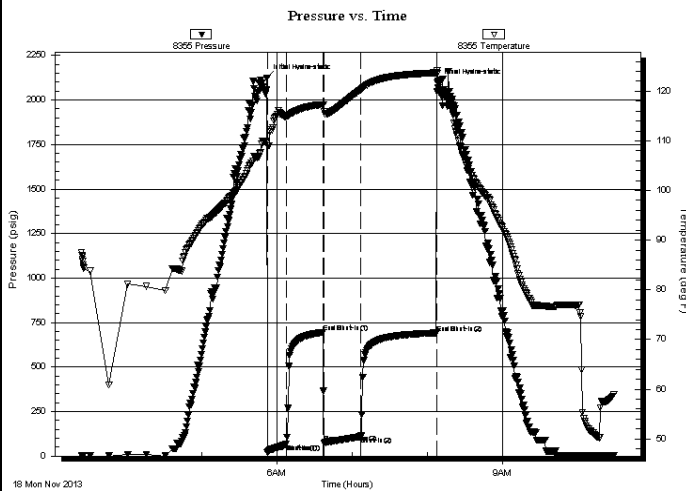
## Serial #: 8355

**Outside**

Press@RunDepth: 109.42 psig @ 4190.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.18 End Date: 2013.11.18 Last Calib.: 2013.11.18  
 Start Time: 03:24:00 End Time: 10:29:30 Time On Btm: 2013.11.18 @ 05:52:00  
 Time Off Btm: 2013.11.18 @ 08:08:15

## TEST COMMENT:

IF: 9 in. of Blow  
 ISI: Bled off in 2 min.- strong surface blowback-built to 3/4" of blowback  
 FF: B.o.b. in 16 min.  
 FSI: Bled off in 2 min.-strong surface blowback-built to 2 1/2"-died back to 2 in. of blowback



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.15	109.74	Initial Hydro-static
1	21.70	109.02	Open To Flow(1)
16	66.92	114.89	Shut-In(1)
45	694.49	117.35	End Shut-In(1)
46	73.83	117.19	Open To Flow(2)
75	109.42	120.27	Shut-In(2)
136	691.85	123.70	End Shut-In(2)
137	2096.79	123.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
116.00	Gocw 5g 10o 85w	0.57
124.00	Cgo 15g 85o	1.46
0.00	RW .19@62=40000	0.00
0.00	280 GIP	0.00
0.00	Gravity38	0.00

## Gas Rates

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

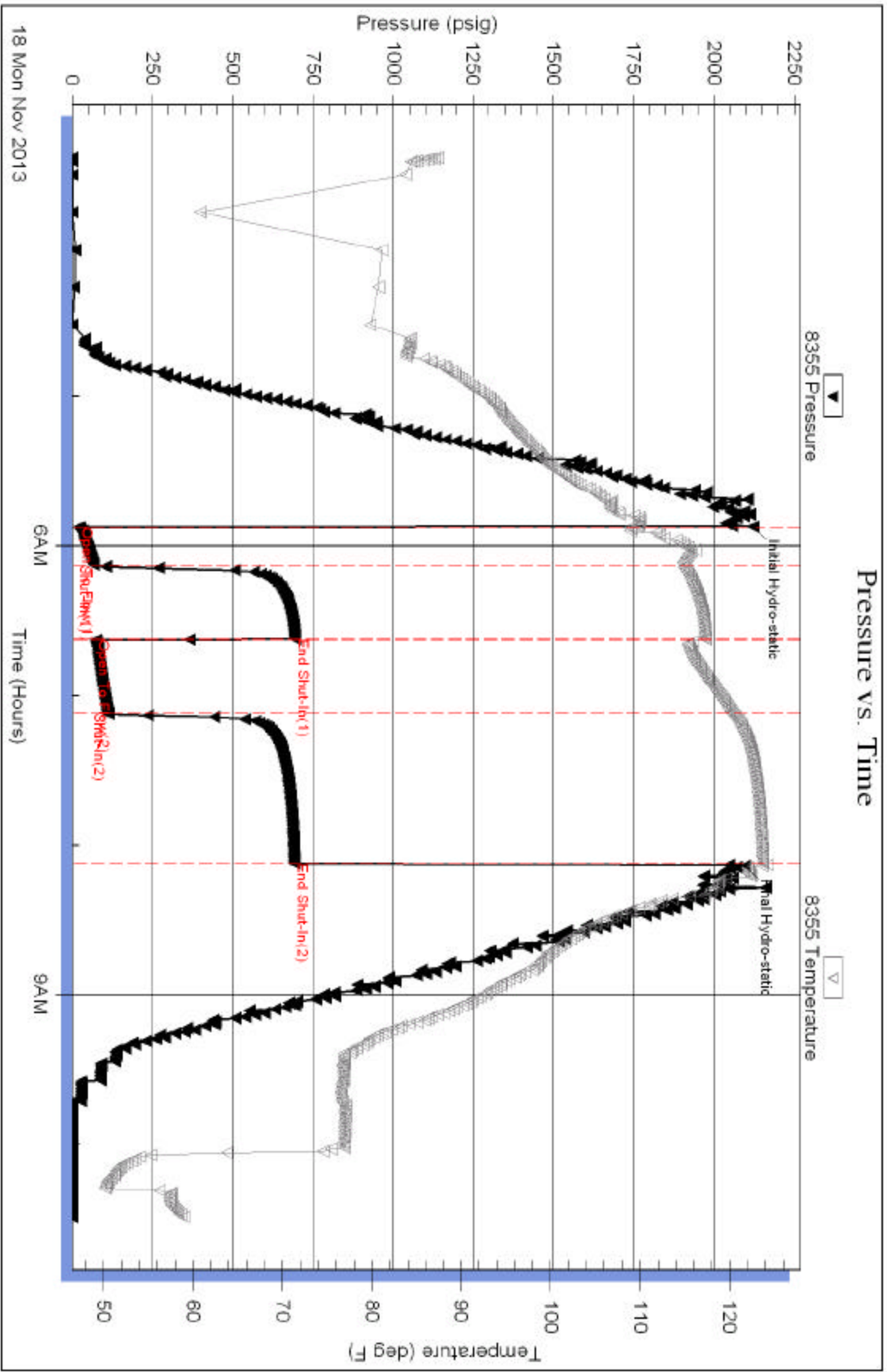
\* Recovery from multiple tests

Serial #: 8355

Outside Blue Goose Drilling Inc.

Borel-E#1

DST Test Number: 2



Trickle Testing, Inc

Ref. No: 54540

Printed: 2013.11.18 @ 10:38:42



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blue Goose Drilling Inc.  
 P.O. Box 1413  
 Great Bend, KS 67530  
 ATTN: Vern Schrag

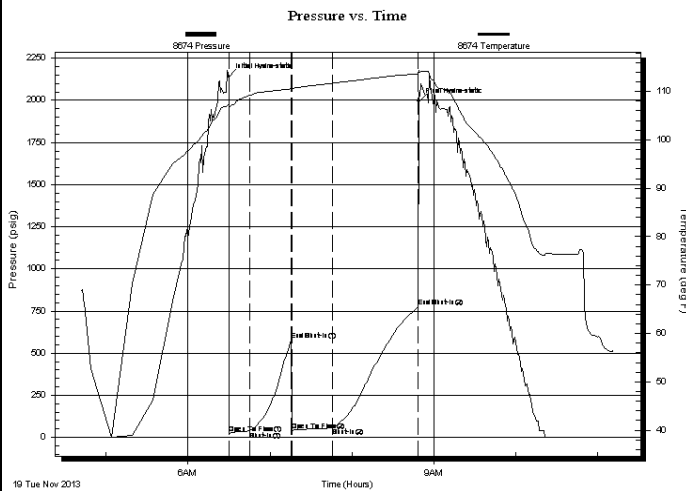
**4-18s-27w Lane Co, KS**  
**Borell-E-#1**  
 Job Ticket: 53284      **DST#:3**  
 Test Start: 2013.11.19 @ 04:42:00

## GENERAL INFORMATION:

Formation: **Marmanton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:29:55  
 Time Test Ended: 11:11:39  
 Interval: **4234.00 ft (KB) To 4355.00 ft (KB) (TVD)**  
 Total Depth: 4355.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Will MacLean  
 Unit No: 58  
 Reference Elevations: 2594.00 ft (KB)  
 2587.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8674 Inside**  
 Press@RunDepth: 56.45 psig @ 4235.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.19 End Date: 2013.11.19 Last Calib.: 2013.11.19  
 Start Time: 04:42:00 End Time: 11:11:39 Time On Btm: 2013.11.19 @ 06:29:40  
 Time Off Btm: 2013.11.19 @ 08:48:55

**TEST COMMENT:** IF- Weak Surface Blow Built to 5"  
 ISI- Very Weak Surface Blow in 20min  
 FF- Weak Surface Blow Built to 10 3/4"  
 FSI- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2140.83	107.20	Initial Hydro-static
1	22.06	106.48	Open To Flow(1)
16	38.24	109.17	Shut-In(1)
46	580.58	110.56	End Shut-In(1)
47	39.13	110.44	Open To Flow(2)
77	56.45	111.71	Shut-In(2)
139	776.25	113.65	End Shut-In(2)
140	1993.31	114.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	GOCM 21%g 34%oil 45%m	0.30
31.00	GOCM 3%g 6%oil 91%m	0.15
0.00	279' of GIP	0.00

## Gas Rates

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

\* Recovery from multiple tests

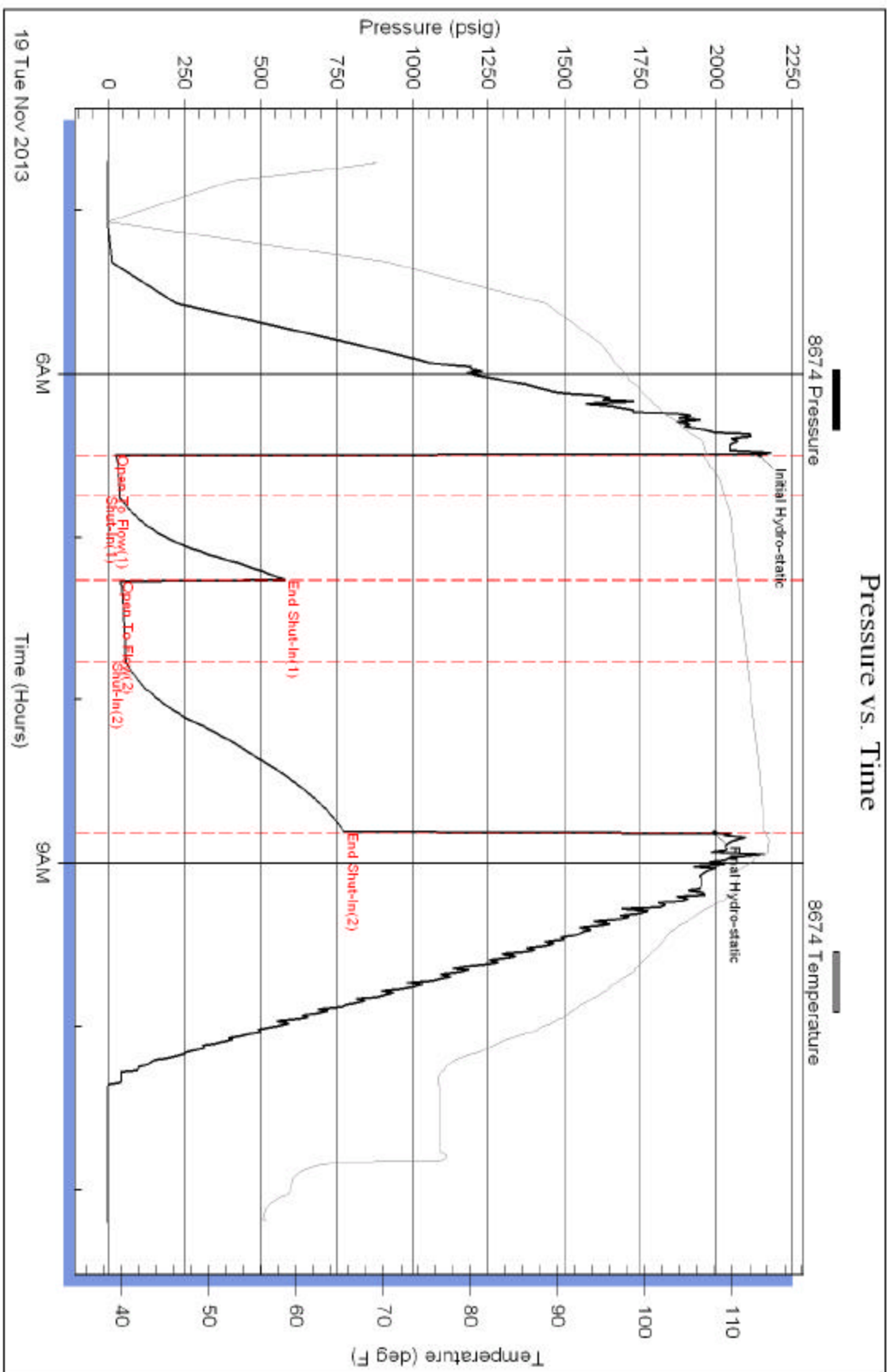
Serial #: 8674

Inside

Blue Goose Drilling Inc.

Borel-E#1

DST Test Number: 3



Trickle Testing, Inc

Ref. No: 53284

Printed: 2013.11.19 @ 11:18:27





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Blue Goose Drilling Inc.  
 P.O. Box 1413  
 Great Bend, KS 67530  
 ATTN: Vern Schrag

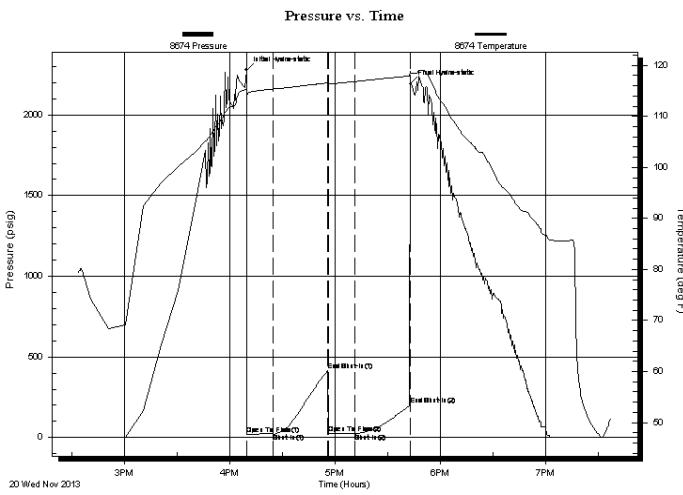
**4-18s-27w Lane Co, KS**  
**Borell-E-#1**  
 Job Ticket: 53285 **DST#:4**  
 Test Start: 2013.11.20 @ 14:34:00

## GENERAL INFORMATION:

Formation: **Cherokee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 16:09:55  
 Time Test Ended: 19:37:09  
 Interval: **4424.00 ft (KB) To 4507.00 ft (KB) (TVD)**  
 Total Depth: 4507.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Will MacLean  
 Unit No: 58  
 Reference Elevations: 2594.00 ft (KB)  
 2587.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8674 Inside**  
 Press@RunDepth: 24.87 psig @ 4425.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2013.11.20 End Date: 2013.11.20 Last Calib.: 2013.11.20  
 Start Time: 14:34:00 End Time: 19:37:09 Time On Btm: 2013.11.20 @ 16:09:40  
 Time Off Btm: 2013.11.20 @ 17:43:10

TEST COMMENT: IF- Weak Surface Blow 1/2"  
 ISI- No Blow  
 FF- No Blow  
 FSI- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2277.22	115.49	Initial Hydro-static
1	19.47	113.96	Open To Flow(1)
16	23.29	115.39	Shut-In(1)
46	413.17	116.56	End Shut-In(1)
47	23.42	116.36	Open To Flow(2)
62	24.87	116.84	Shut-In(2)
94	202.27	117.95	End Shut-In(2)
94	2192.37	118.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% m with a Skim of Oil on Top	0.02

## Gas Rates

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

\* Recovery from multiple tests

Serial #: 8674

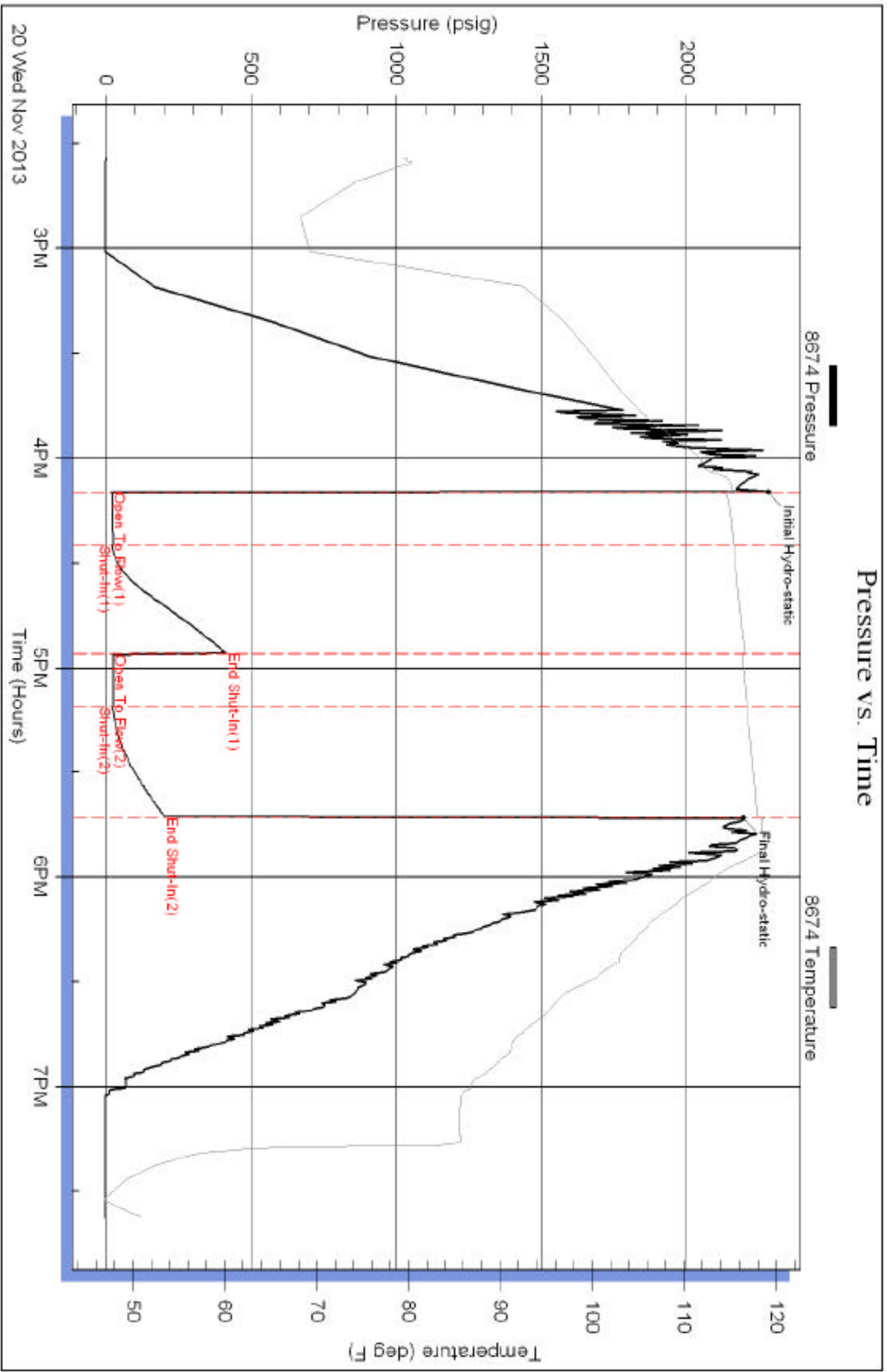
Inside

Blue Goose Drilling Inc.

Borel-E#1

DST Test Number: 4

### Pressure vs. Time



# WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG  
CONSULTANT GEOLOGIST

Scale 1:240 (5"=100') Imperial

Well Name: **BORELL 'E' #1**  
 Location: **SW SE SE NE SEC. 04-18s-27w**  
 Licence Number: **API: 15-101-22472**  
 Spud Date: **November 11, 2013**  
 Surface Coordinates: **2595' FNL 641' FEL**

Region: **Lane Co., KS**  
 Drilling Completed: **November 21, 2013**

Bottom Hole Coordinates:  
 Ground Elevation (ft): **2587'**  
 Logged Interval (ft): **3800'**  
 Formation: **Mississippi**  
 Type of Drilling Fluid: **Chemical Premix (Displaced)**

K.B. Elevation (ft): **2594'**  
 To: **RTD** Total Depth (ft): **4582'**  
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

### OPERATOR:

Company: **Blue Goose Drilling Co., Inc.**  
 Address: **P.O. Box 1413  
 Great Bend, KS 67530-1413**

### DRILLING CONTRACTOR:

**H. D. Drilling, LLC, Rig #3**

**DP 4.5" XH (16.6#); DC 6.25" x 2.25" x 560', Kelly 40.30', Tool Joint 5.5" ; Bit: JZ-HA20-Q, 7-7/8" , standard jets 14-14-15; rpm 80, WOB 35k; Kelly Bushing 7' above ground level; LeWayne "Lew" Tresner (tool pusher).**

### CASING:

Set 8-5/8" casing at 285'  
 Set 5-1/2" production casing.

### CIRCULATION SYSTEM:

**Continental EMSCO D-300, duplex, 6 x 14, 60-62 spm, Chemical, premix, displaced; earth pits, Morgan Mud, Inc., Cade Lines.**

### OPEN HOLE LOGS:

**DN, DI (SP) (Run-1); ML (Run-2); No Sonic; 5" detail LTD-3600; 2" DI to surface casing; LogTech-Pioneer Wireline, Hays, KS, Dayton Kerr, Log total depth (4582') was equal to rotary total depth (4582').**

### DRILL STEM TEST #1:

**LKC "J & K": Interval: 4126-4176 (50'); Blow: weak incr to 3.5" IFP, no RB, weak incr 8.5" FFP, no RB; Times: 15-30-30-60; Recovery: 120' WOCM (5%W, 20%O, 75%M); Pressures: HP: 2106-1948, SIP: 746-738, FP: 16-36, 34-61; BHT: 117 F; Trilobite Testing, Inc., Scott City, KS, Cornelio "Corndog" Landa III.**

### DRILL STEM TEST #2:

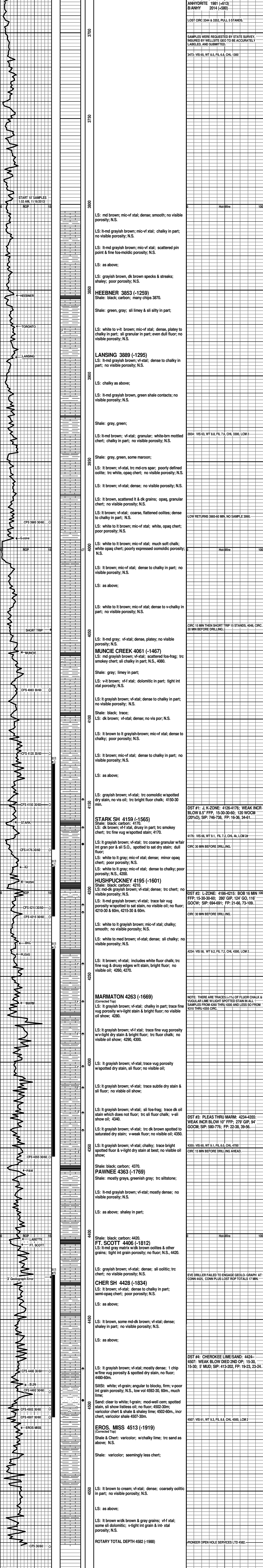
**LKC "L-zone": Interval: 4186-4215 (29'); Blow: weak incr 9" IFP, 3/4" RB ISIP, weak incr BOB 16 min FFP, no RB; Times: 15-30-30-60; Recovery: 280' GIP, 240' TF: 124' GO (15%G, 85%O, 38 grav) looked somewhat muddy in part; 116' GOCW (5%G, 10%O, 85%W, Rw 0.19 @62 F, 40k eq. chloride); BHT: 123 F; Trilobite Testing, Inc., Scott City, KS, Cornelio "Corndog" Landa III.**

### DRILL STEM TEST #3:

**Pleasanton, Marmaton: Interval: 4234-4355 (121'); Blow: weak incr to 5" IFP, no RB, weak incr to 10" FFP, no RB; Times: 15-30-30-60; Recovery: 279' GIP, 94' TF: 31' SOGCM (3%G, 6%O, 91%M), 62' HGOCM (21%G, 34%O, 45%M); Pressures: HP: 2140-1993, SIP: 580-776, FP: 22-38, 39-56; BHT: 114 F; Trilobite Testing, Inc., Scott City, KS, Will MacLeon.**

### DRILL STEM TEST #4:

**Cherokee Lime & Sand: Interval: 4424-4507 (83'); Blow: weak 1/2" IFP, no RB, no blow 2nd open; no RB; Times: 15-30-15-30; Recovery: 5' mud w/ slight oil show on top (100%M); Pressures: HP: 2277-2192, SIP: 413-202, FP: 19-23, 23-24; BHT: 118 F; Trilobite Testing, Inc., Scott City, KS, Will MacLeon.**





Pioneer Energy Services

# Dual Induction Log

15-101-22,472-00-00

API No.

Company **Blue Goose Drilling Company, Inc.**

Well **Borell 'E' #1**

Field **Wildcat**

County **Lane** State **Kansas**

Location **SW SE SE NE  
2595' FNL & 641' FEL**

Other Services  
CNL/CDL  
MEL

Sec: 4 Twp: 18S Rge: 27W

Permanent Datum Ground Level Elevation 2587  
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Date 11/21/2013

Run Number One

Depth Driller 4582

Depth Logger 4582

Bottom Logged Interval 4581

Top Log Interval 250

Casing Driller 8.625 @ 285

Casing Logger 282

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 4500

Density / Viscosity 9.3 61

pH / Fluid Loss 9.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp 0.65 @ 56

Rmf @ Meas. Temp 0.49 @ 56

Rmc @ Meas. Temp 0.88 @ 56

Source of Rmf / Rmc Charts

Rm @ BHT 0.30 @ 122

Operating Rig Time 4 Hours

Max Rec. Temp. F 122

Equipment Number 15

Location Hays

Recorded By D.Kerr

Witnessed By Vern Schrag

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

### Comments

Thank you for using Log-Tech, Inc.  
(785) 625-3858

Ness City KS, West to County Line,  
West to Turkey Red RD, 2 1/2 North, West Into

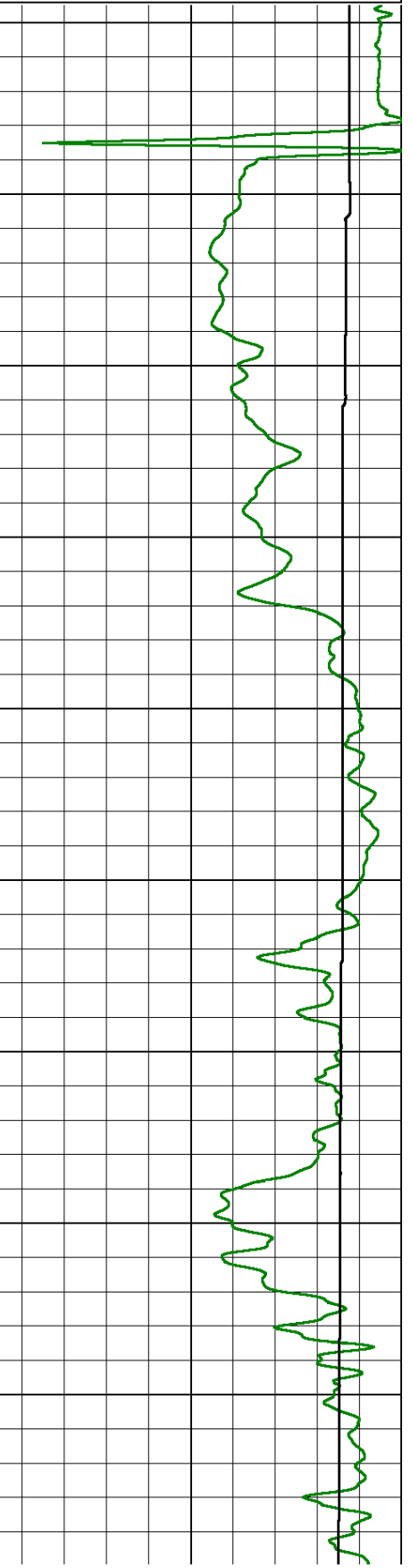
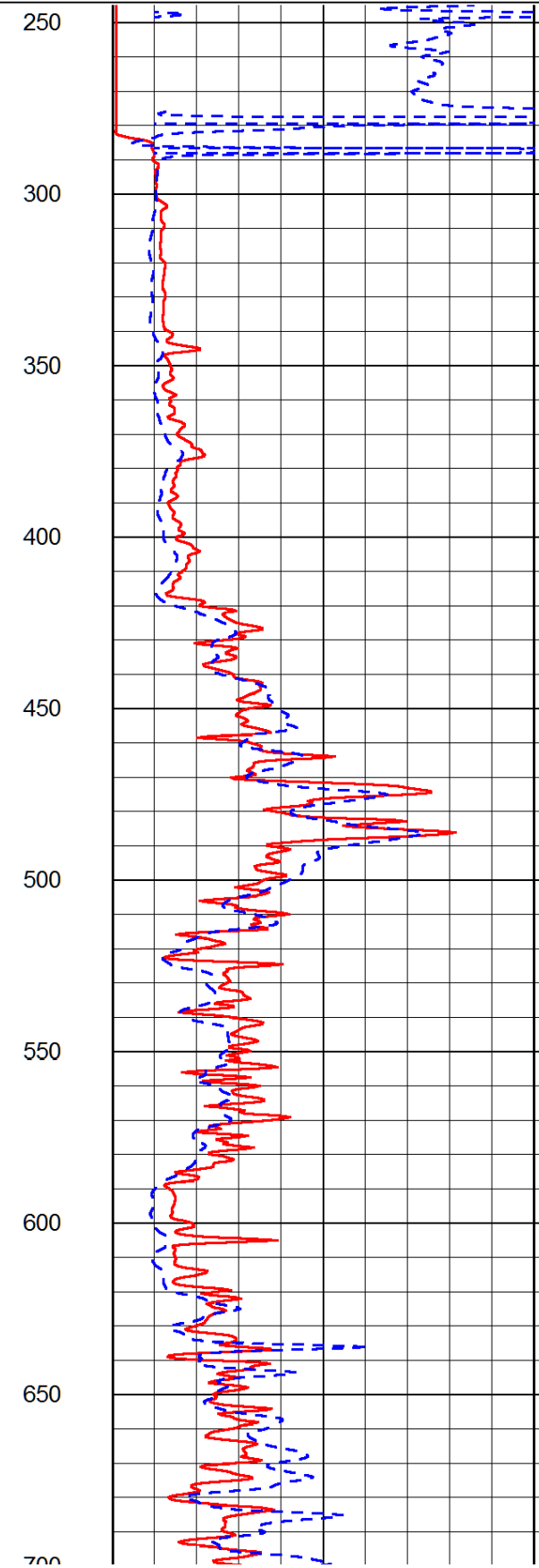
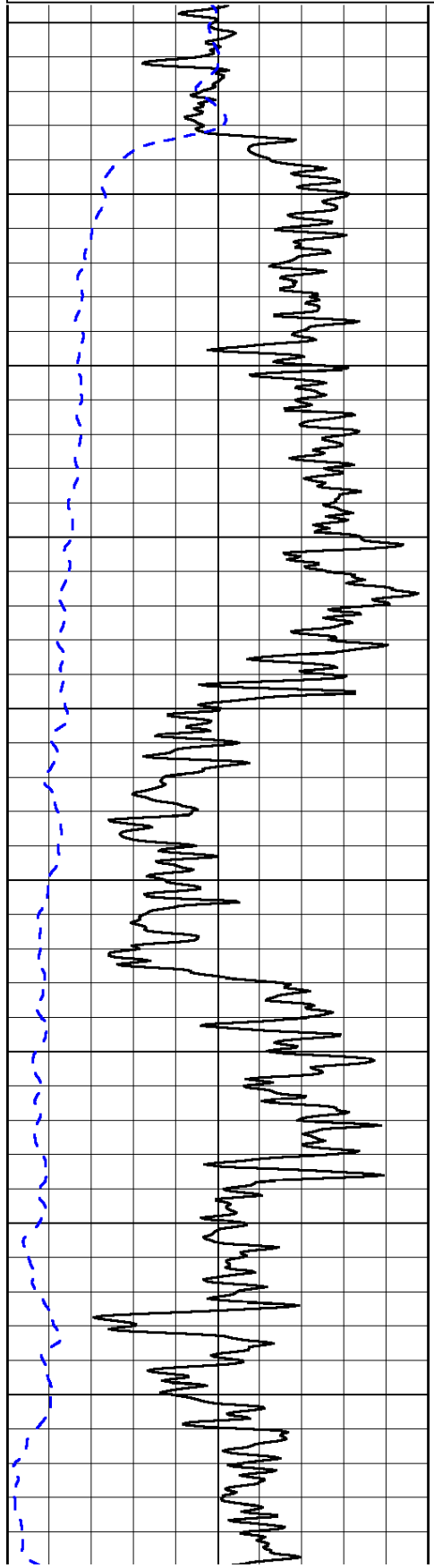
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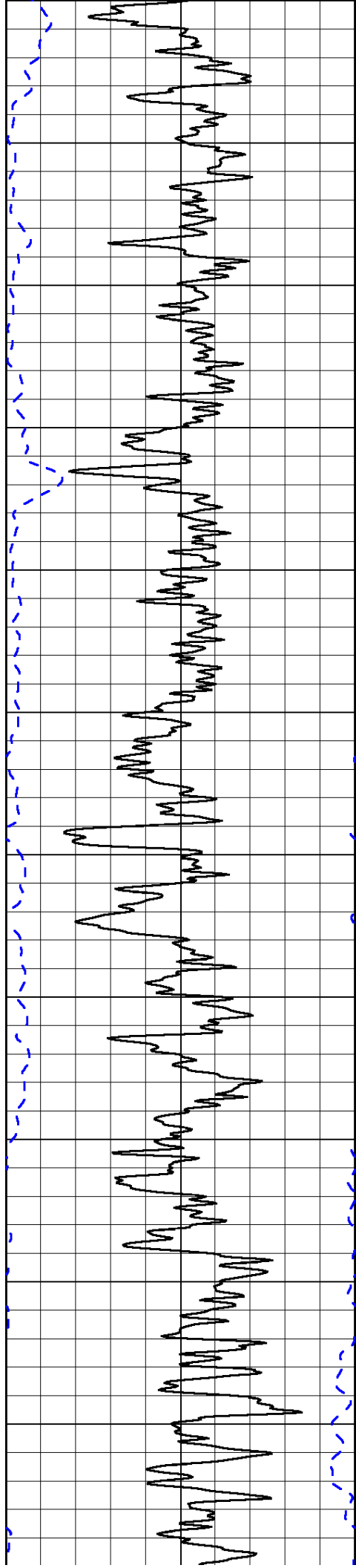
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-200	SP (mV)	0

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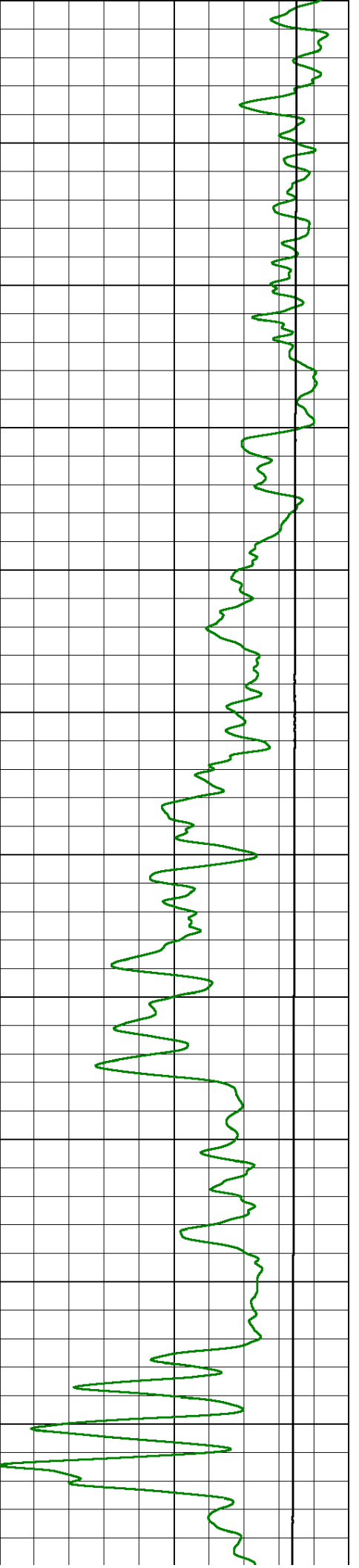
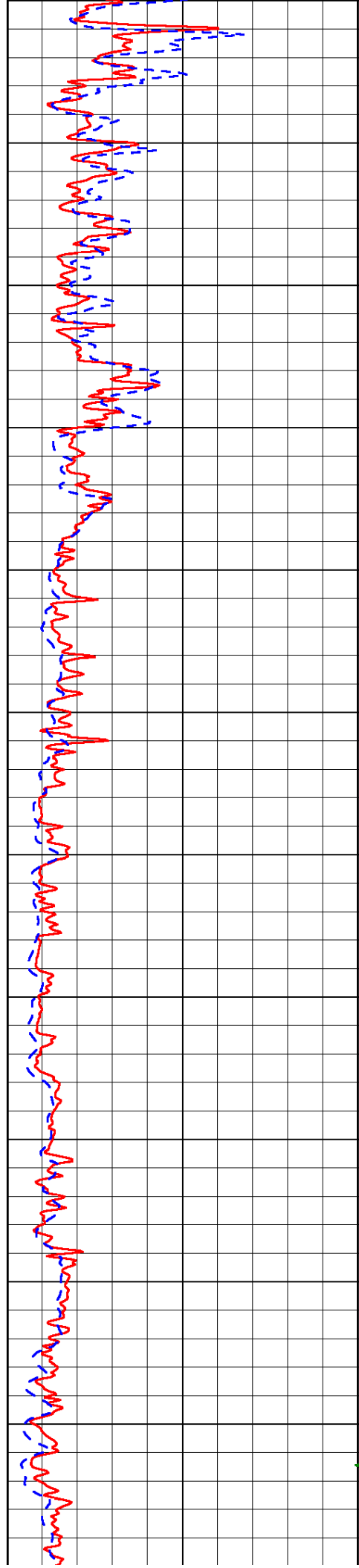
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15000	Line Tension (lb)	0

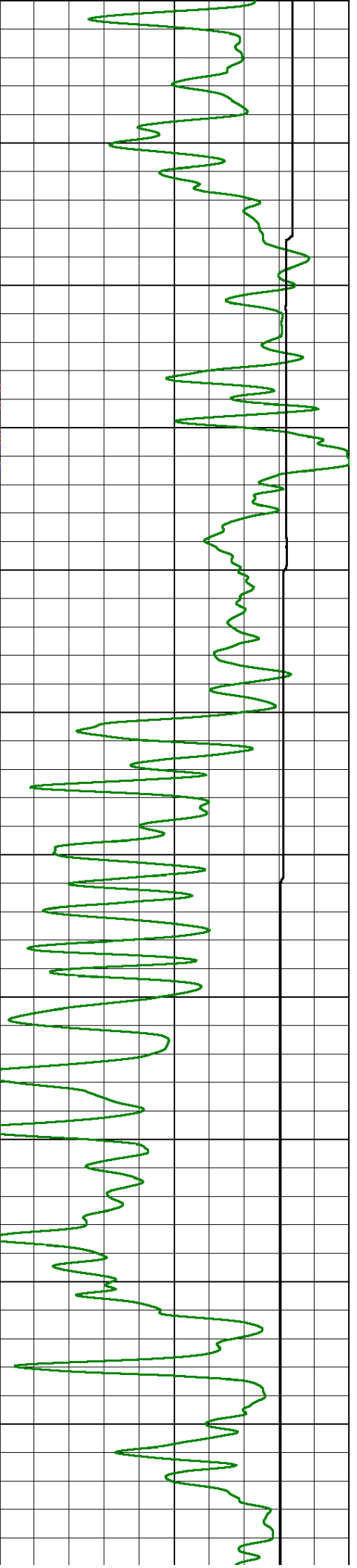
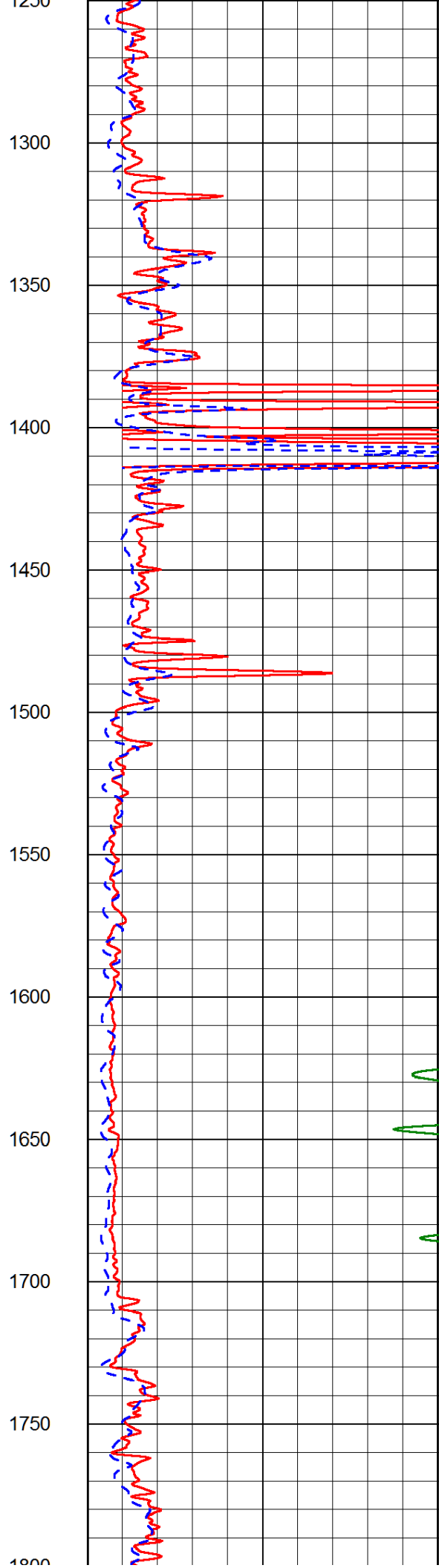
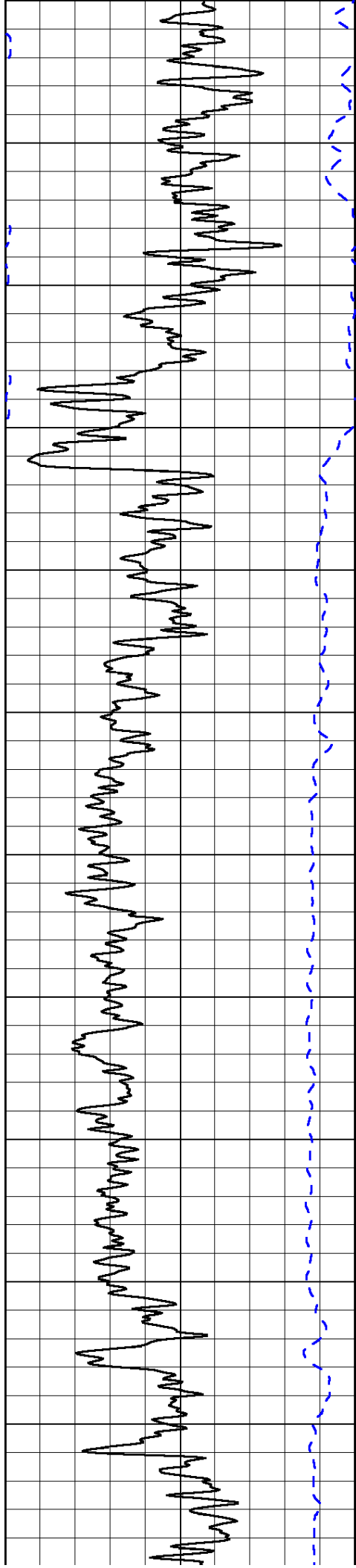
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50	Deep Resistivity (Ohm-m)	500

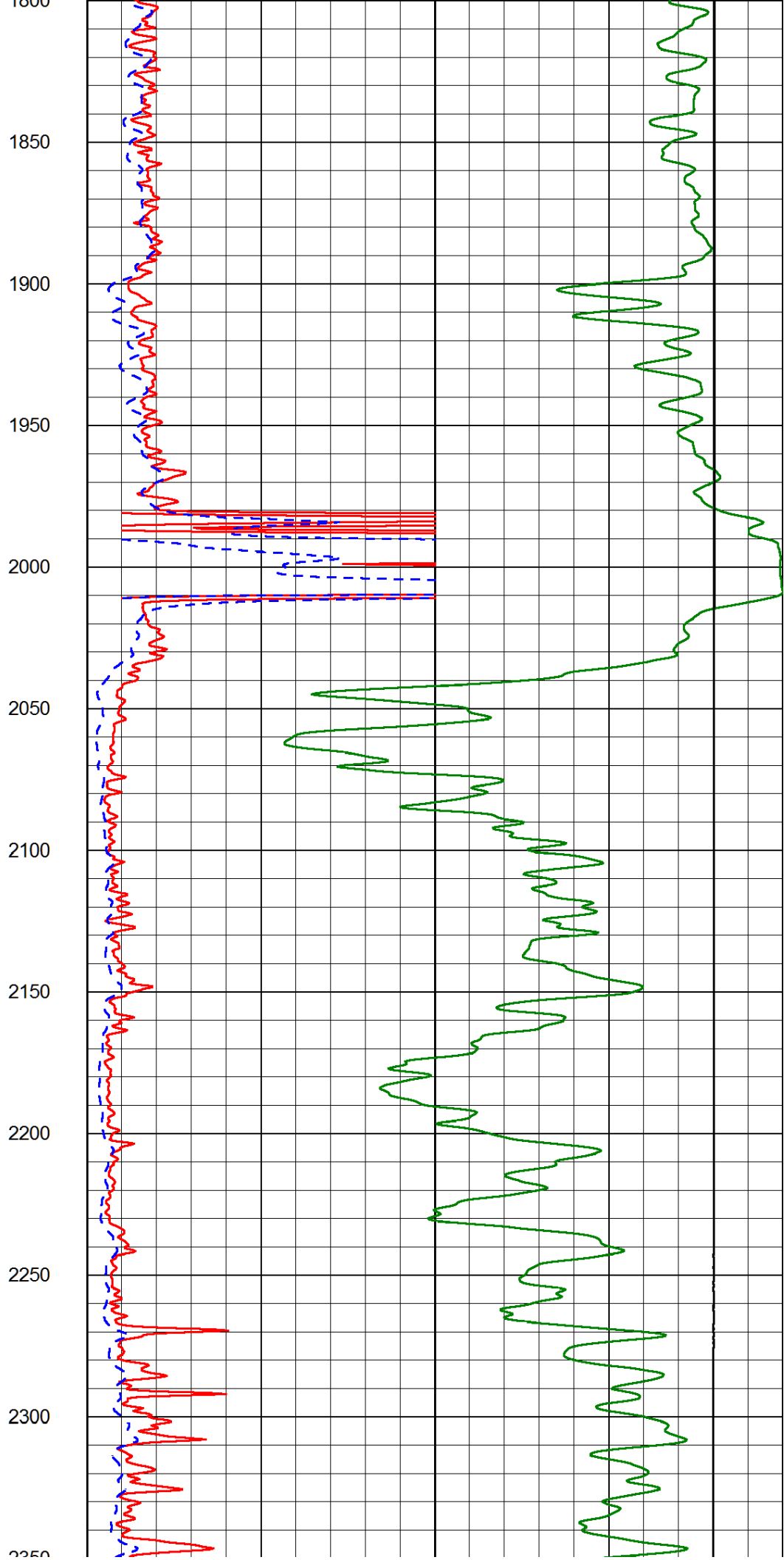
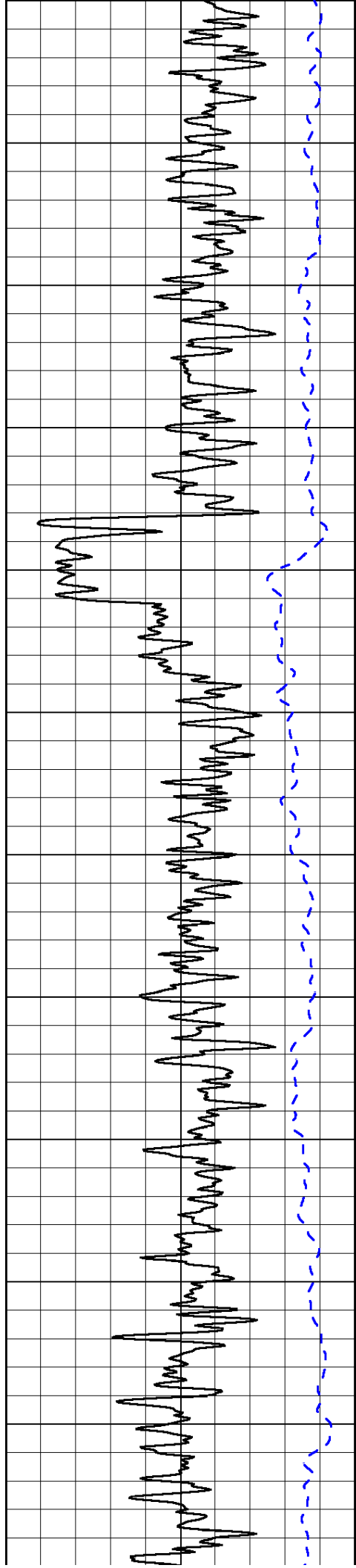




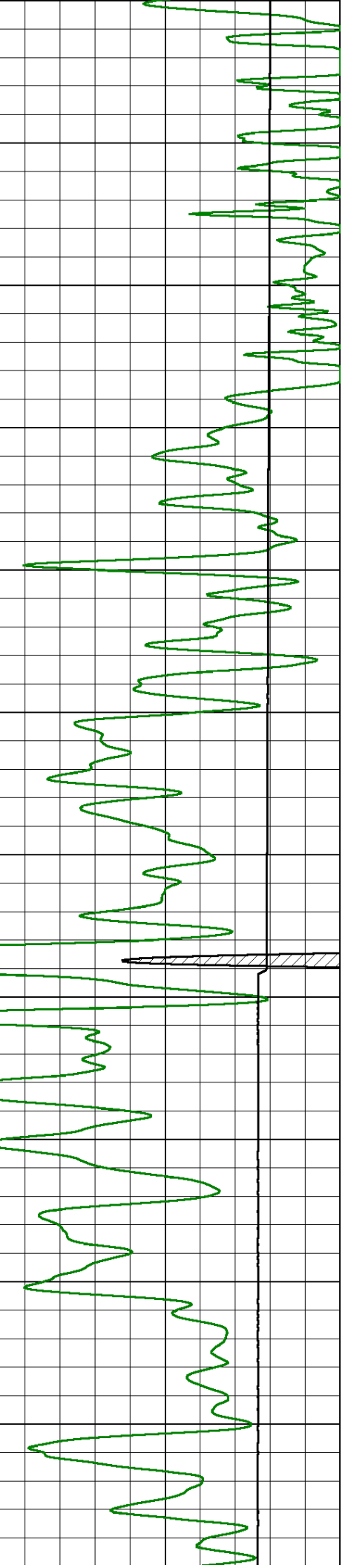
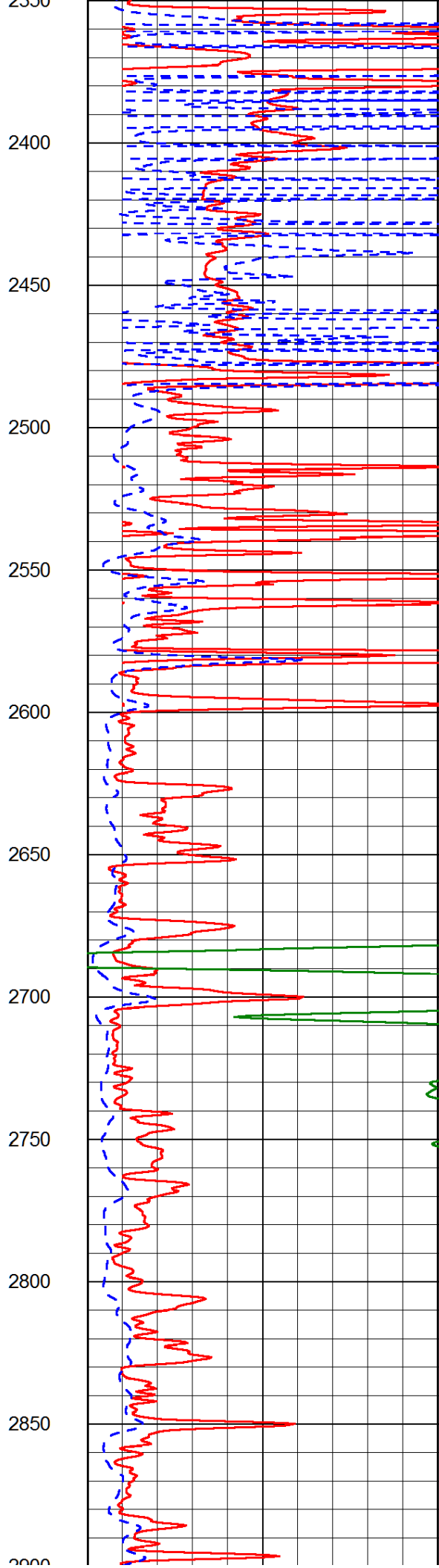
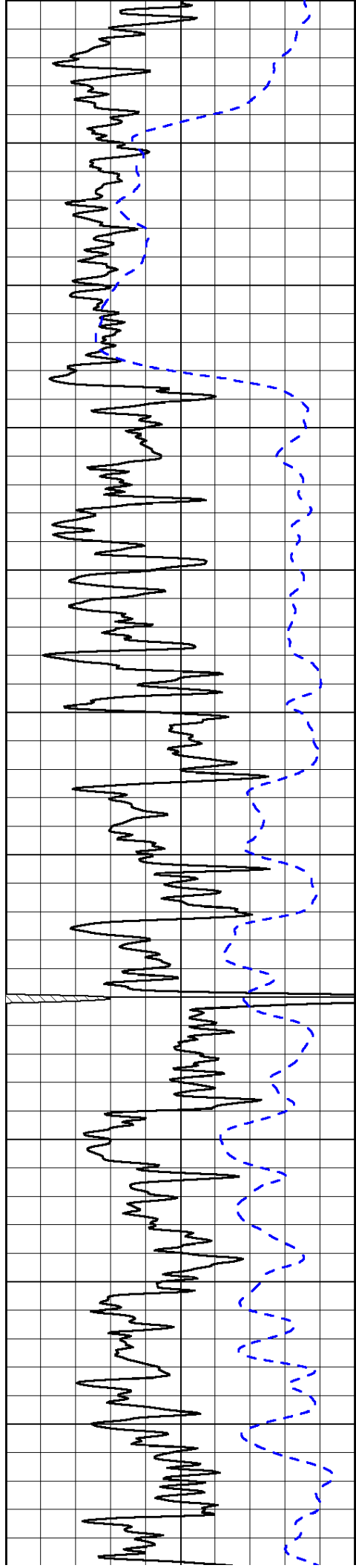
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1250

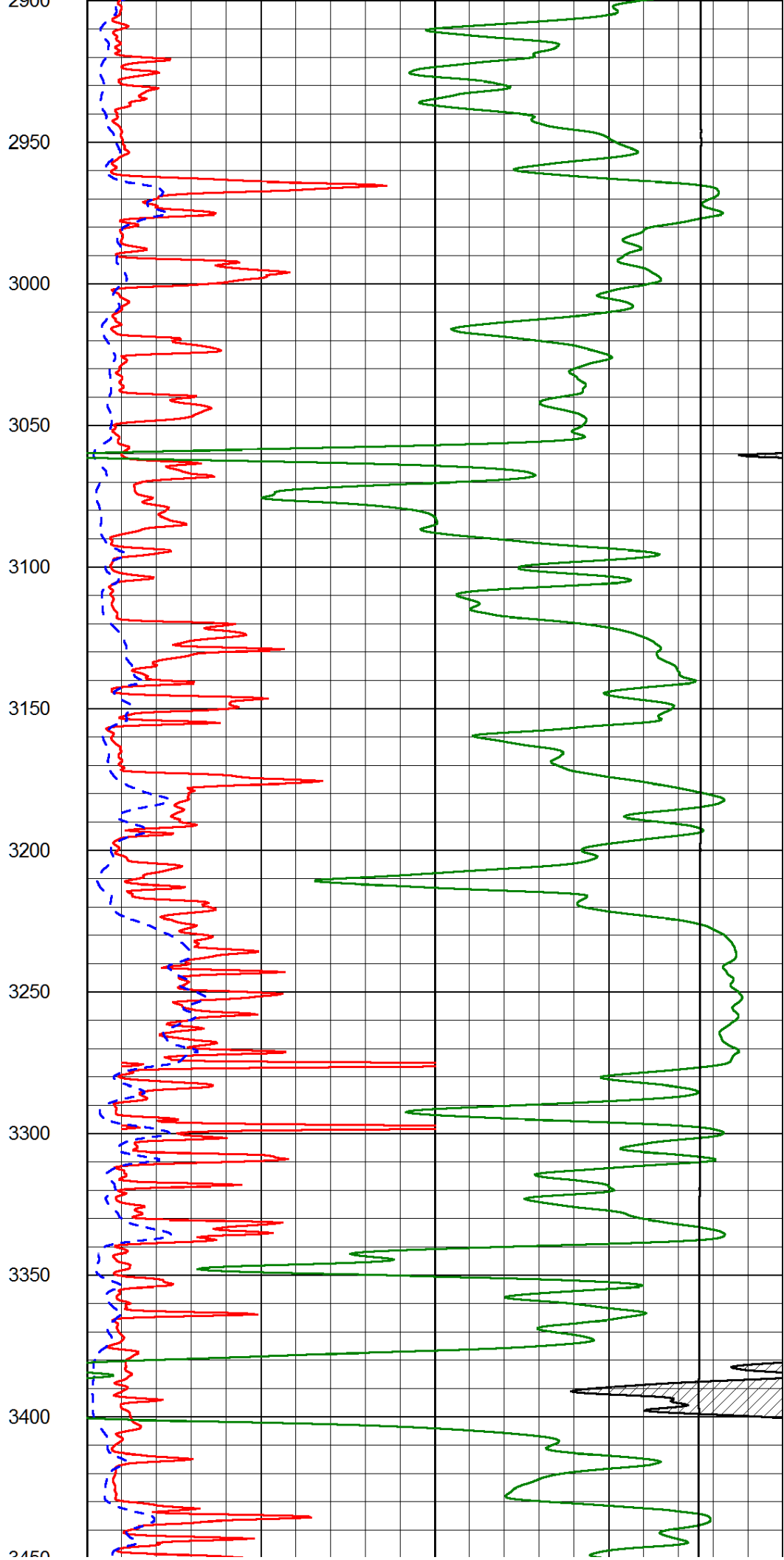
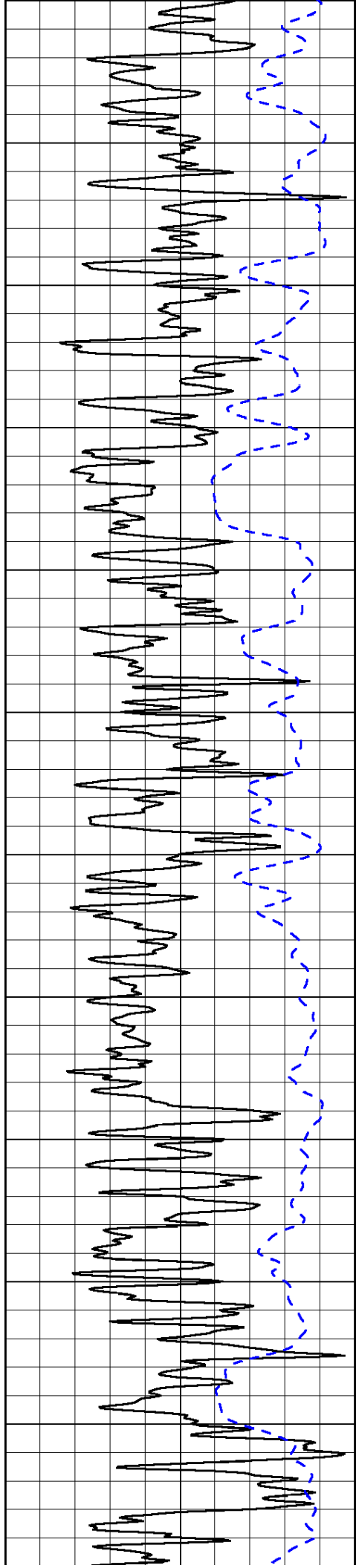


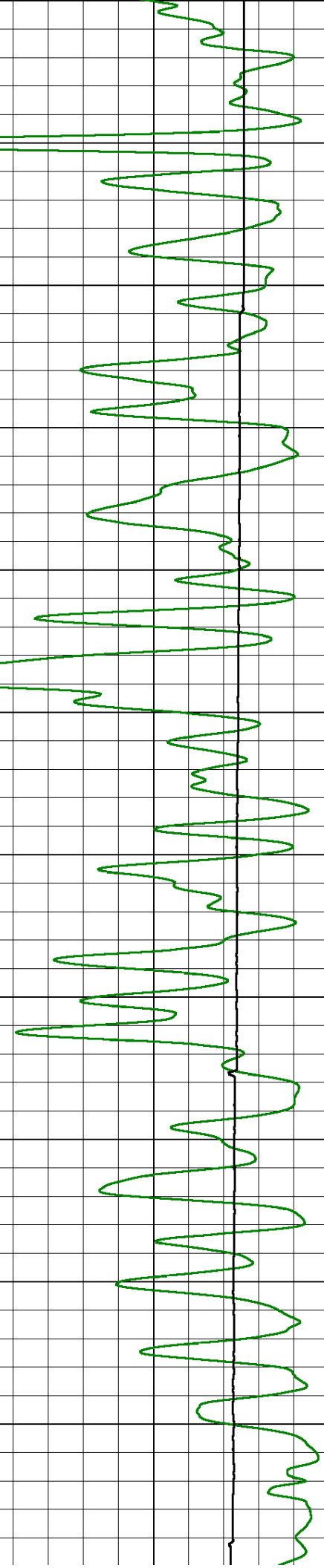
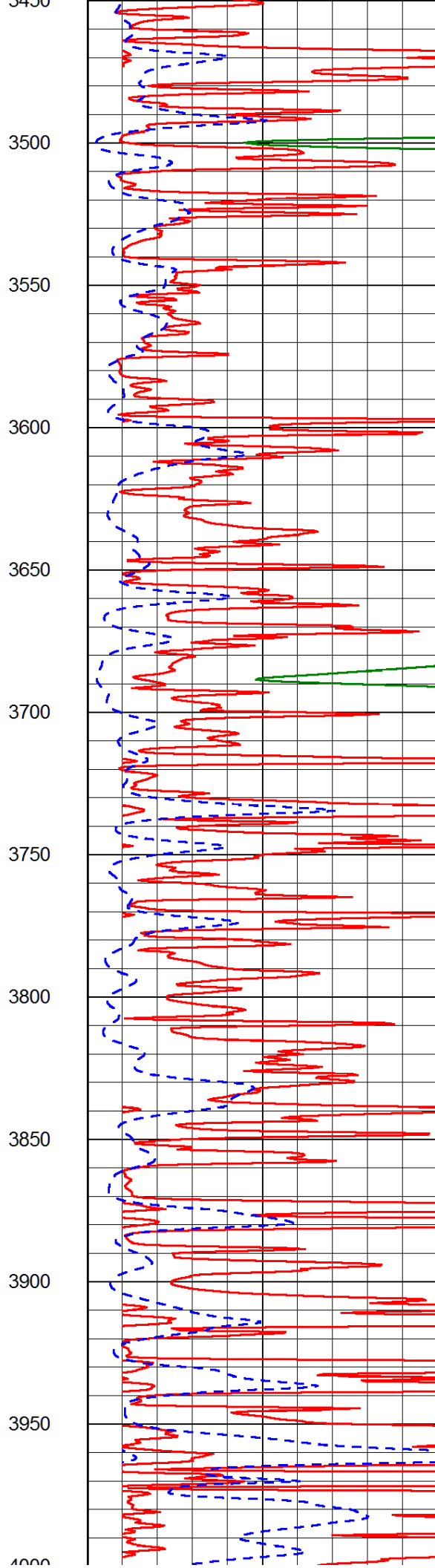
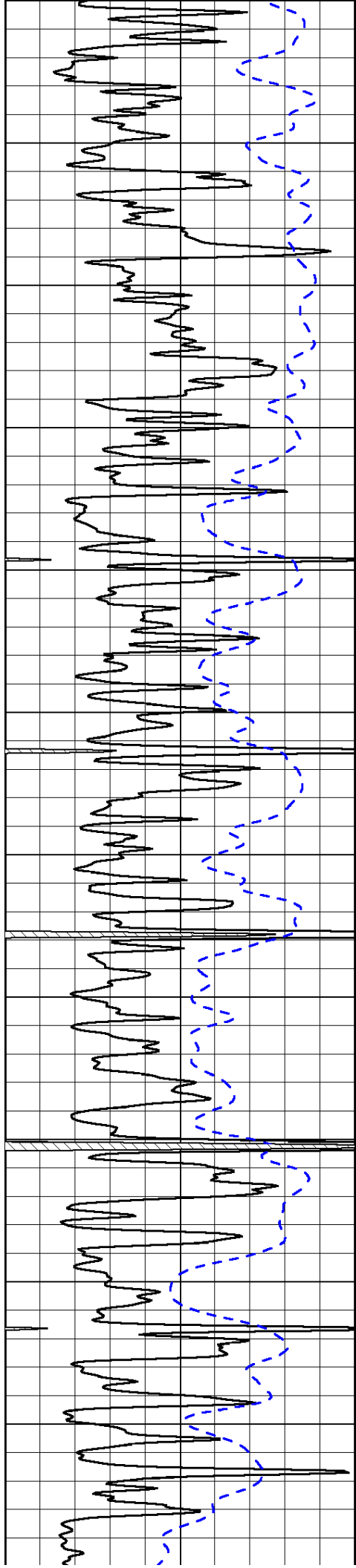


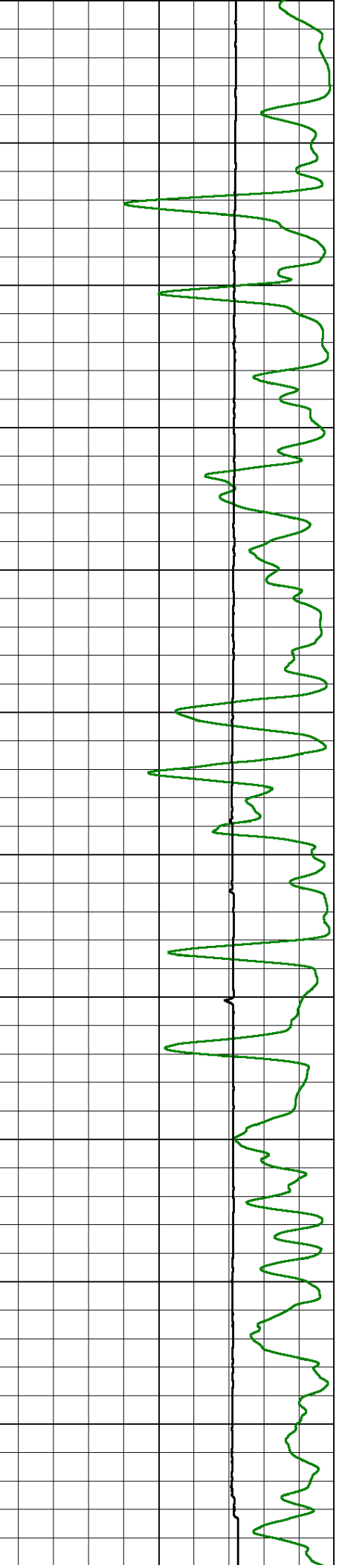
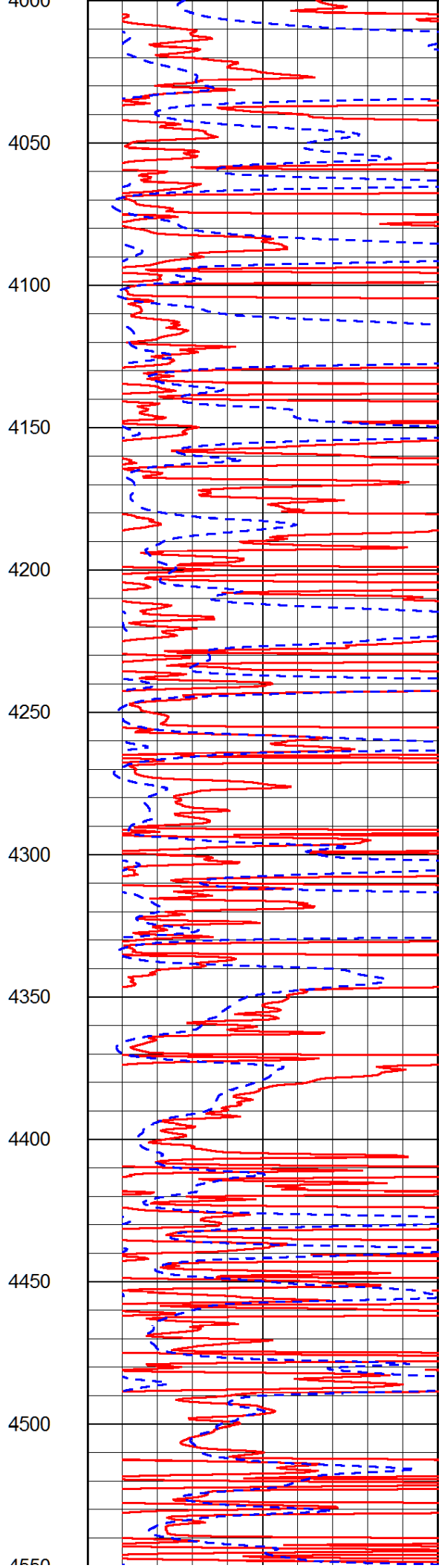
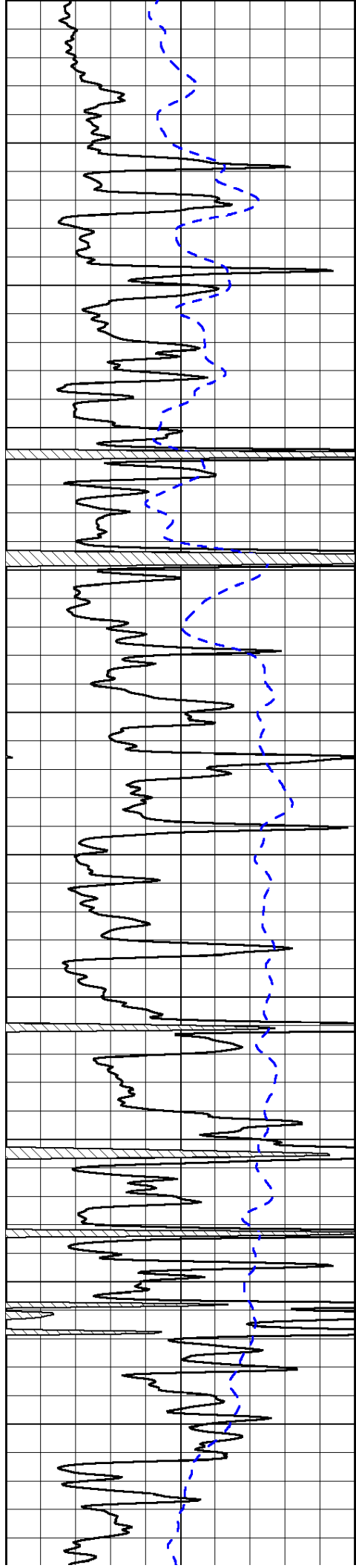


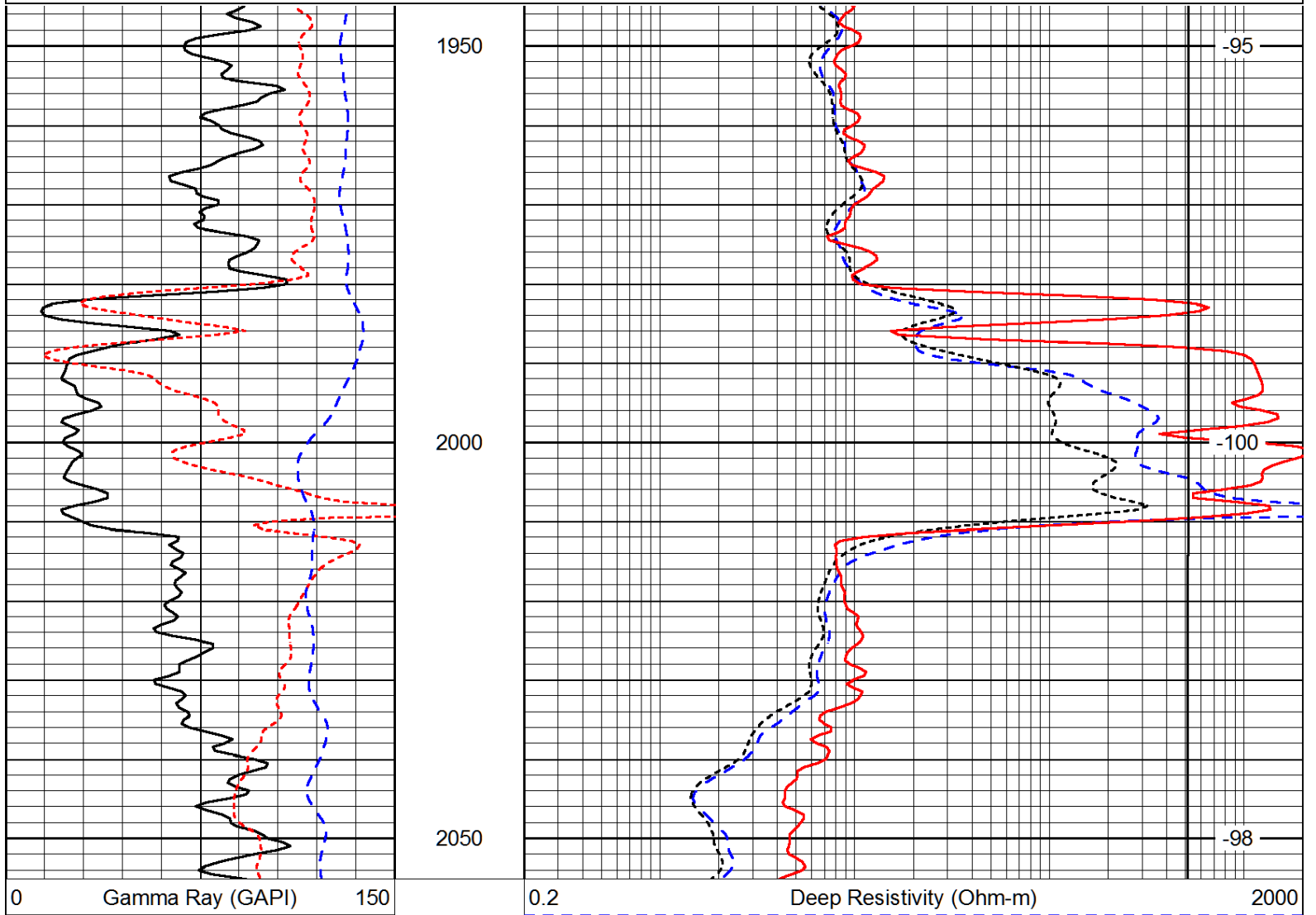
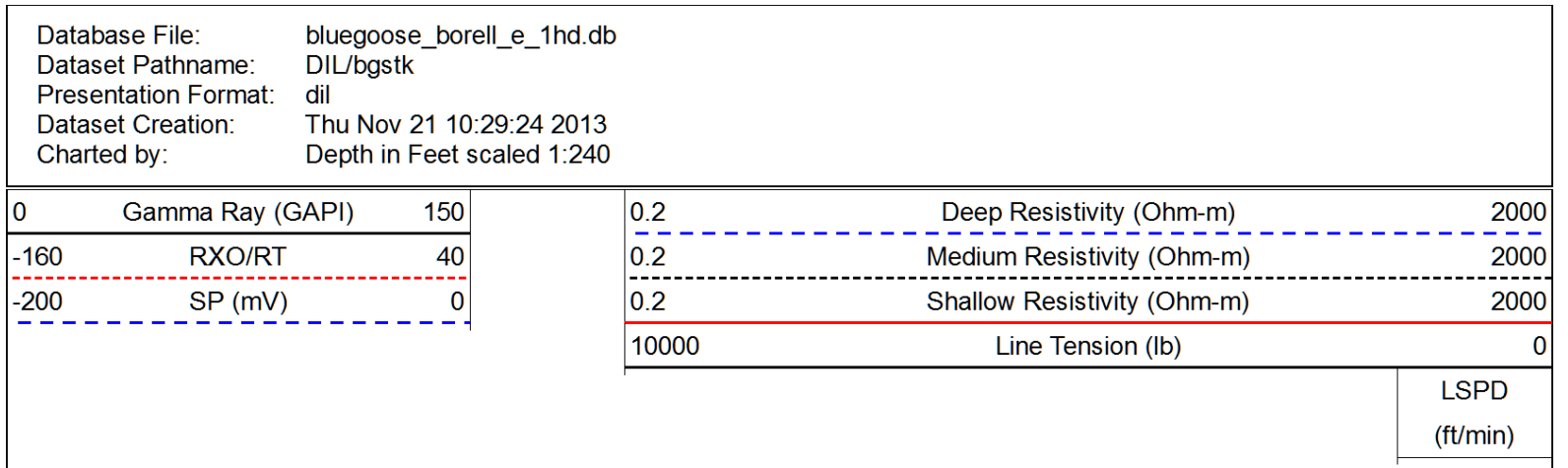
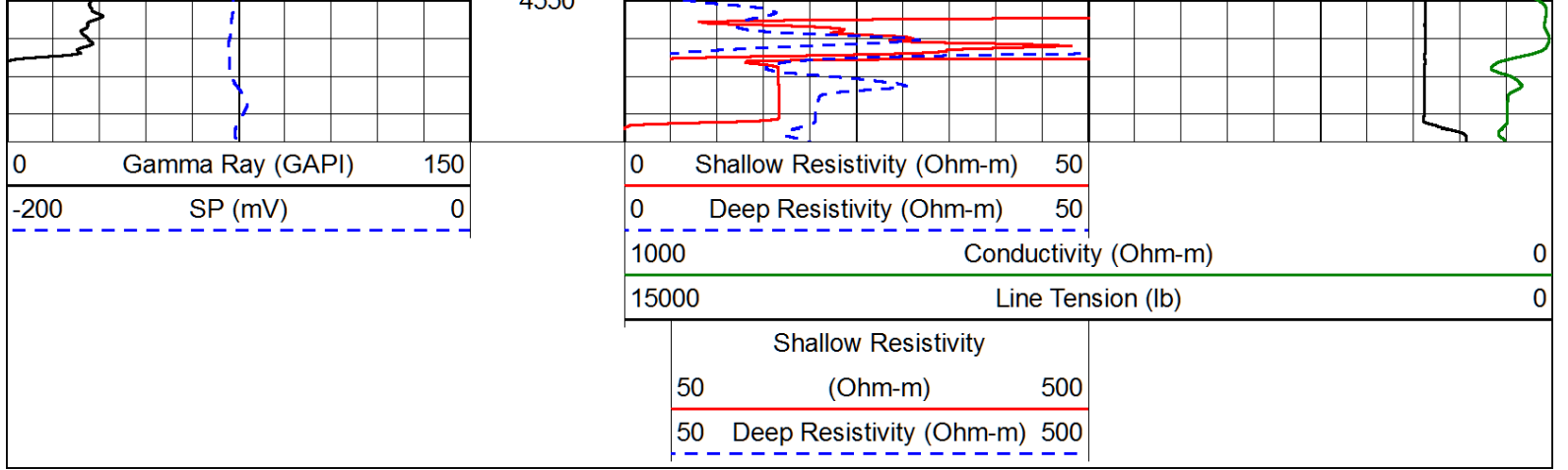












-160	RXO/RT	40
-200	SP (mV)	0

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

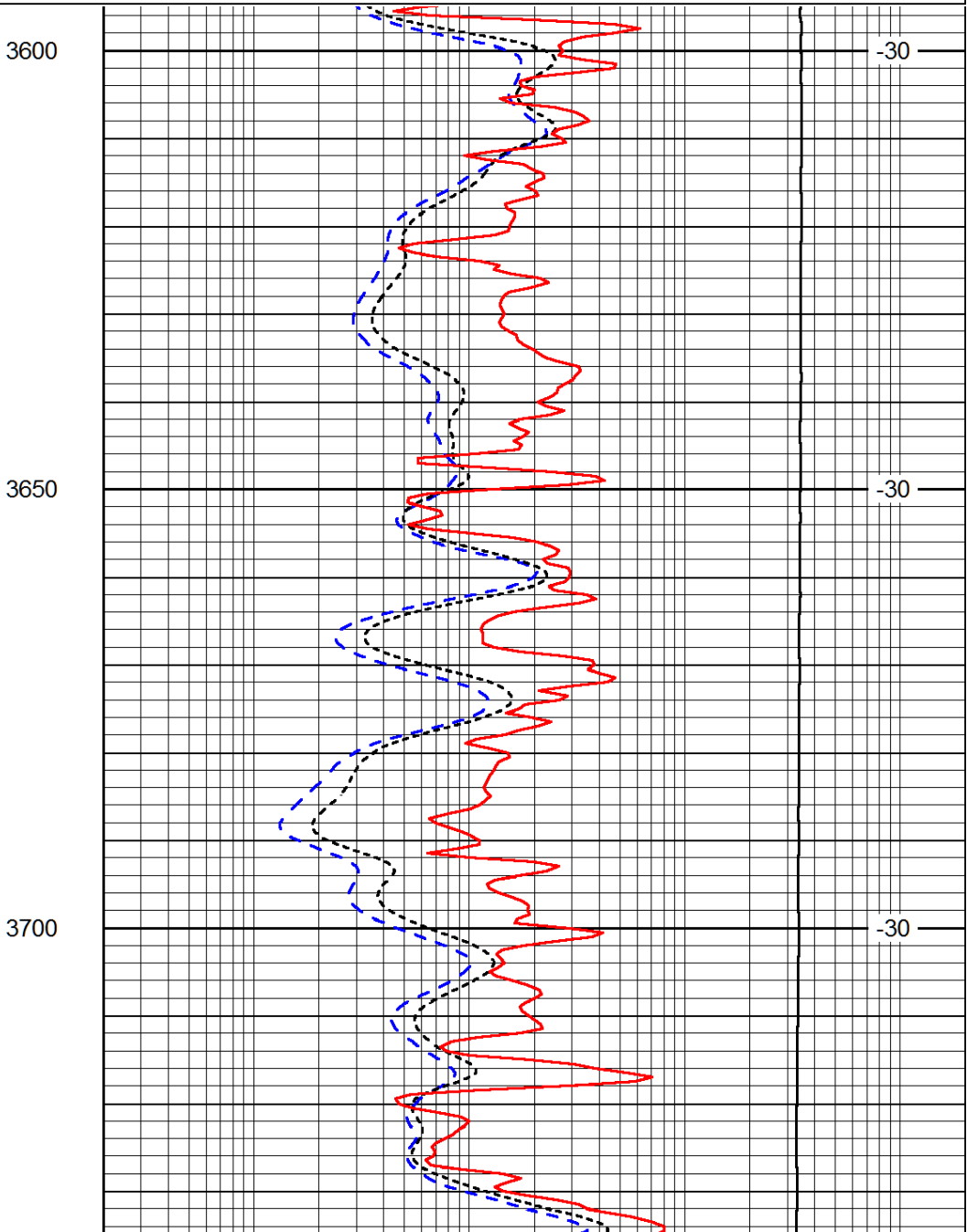
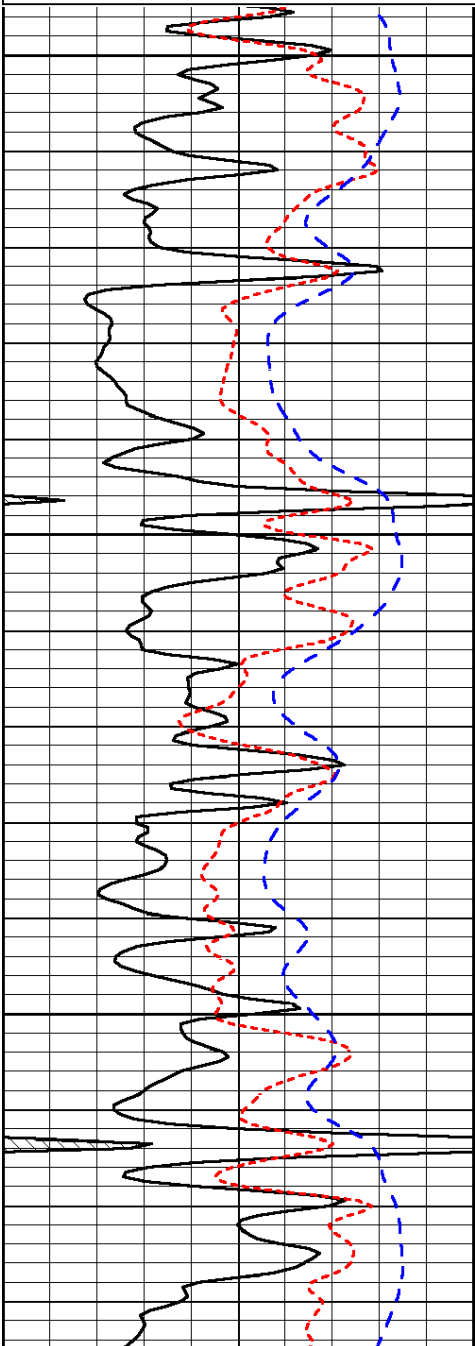
LSPD  
(ft/min)

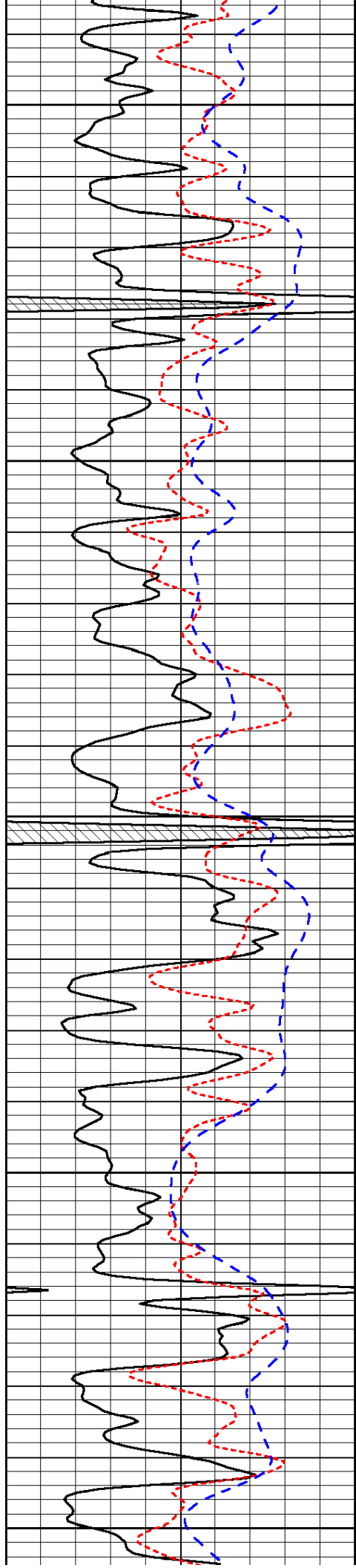
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-160	RXO/RT	40
-200	SP (mV)	0

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

LSPD  
(ft/min)





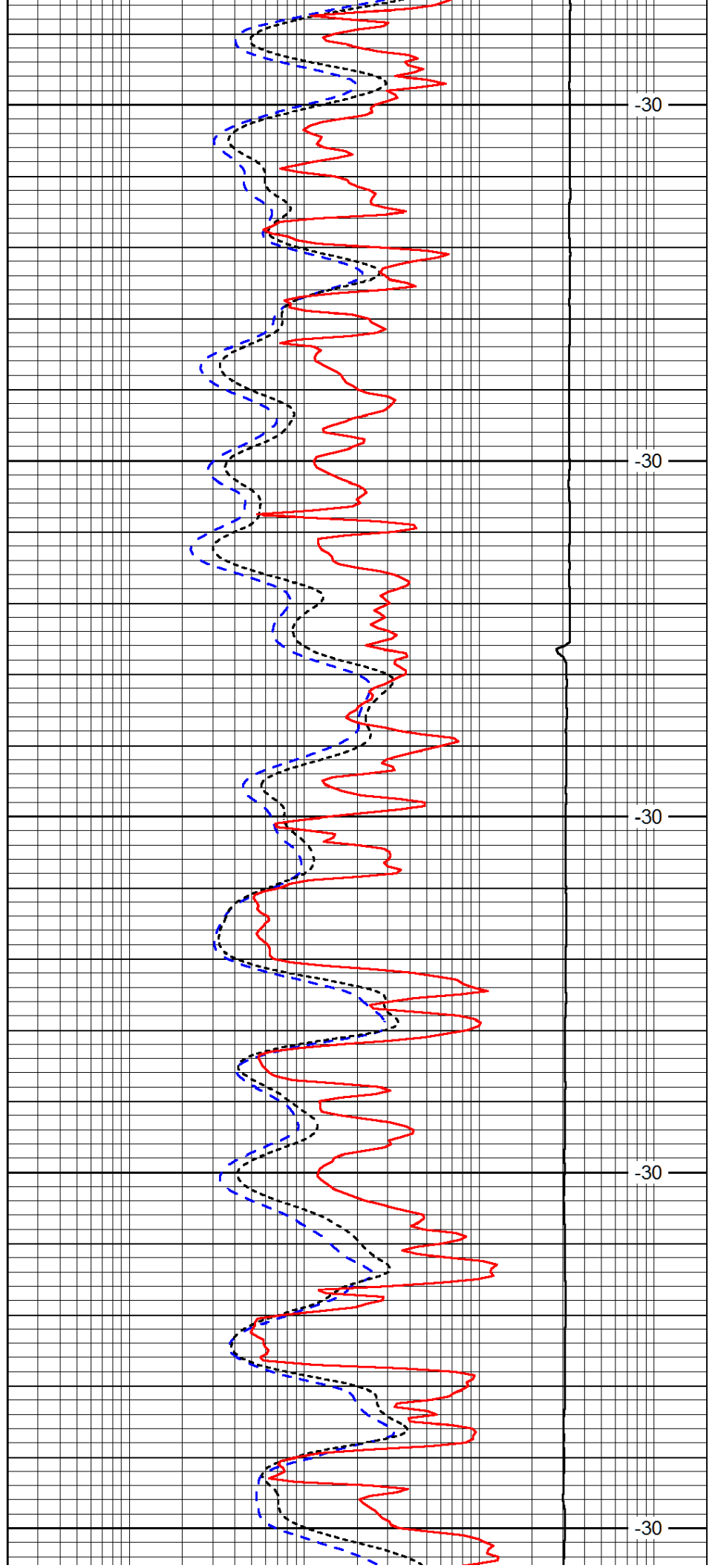
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3800

3850

3900

3950



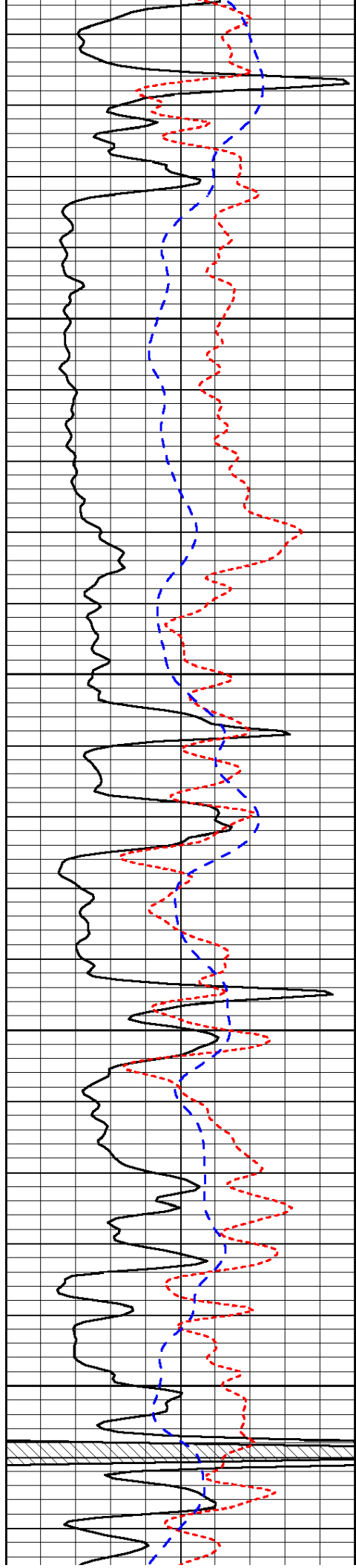
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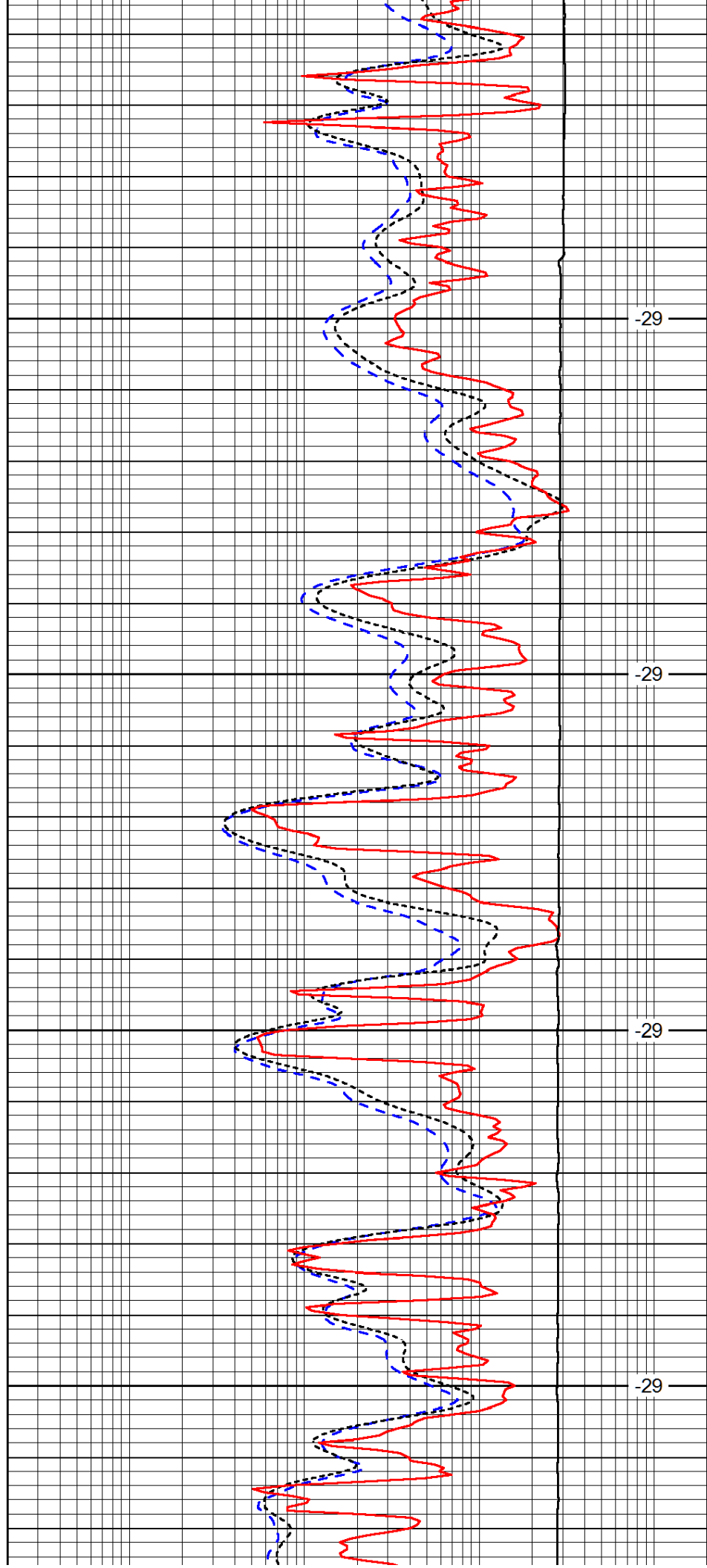


4000

4050

4100

4150



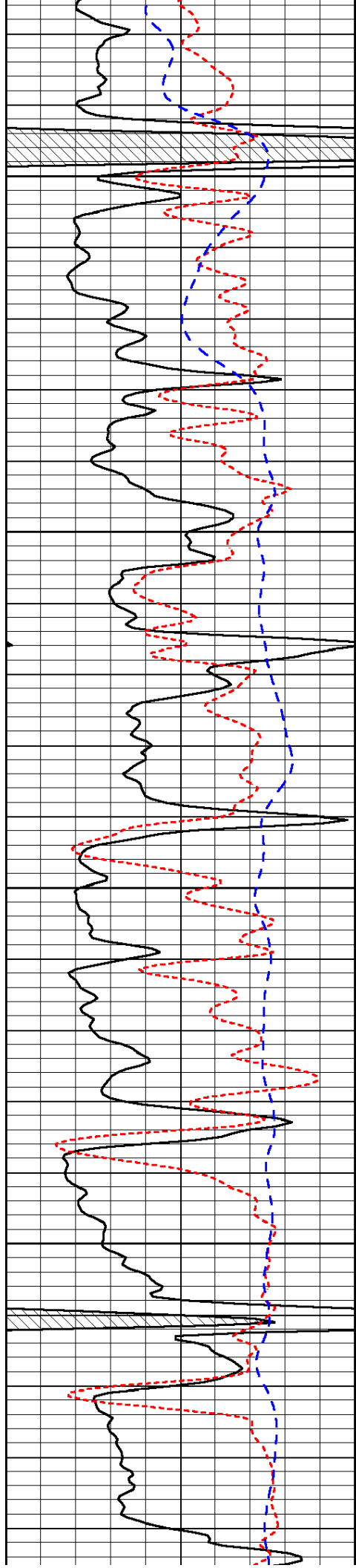
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-29

-29



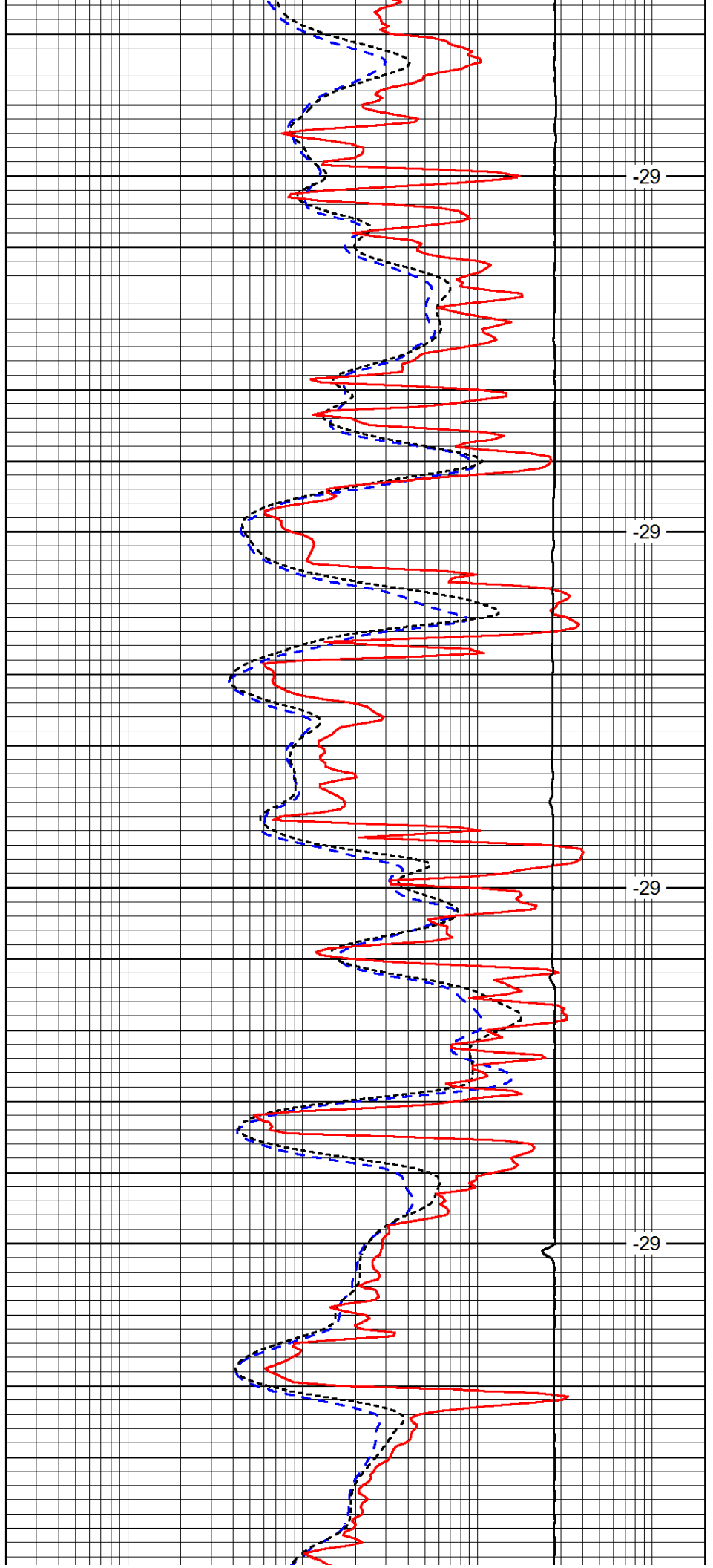


4200

4250

4300

4350

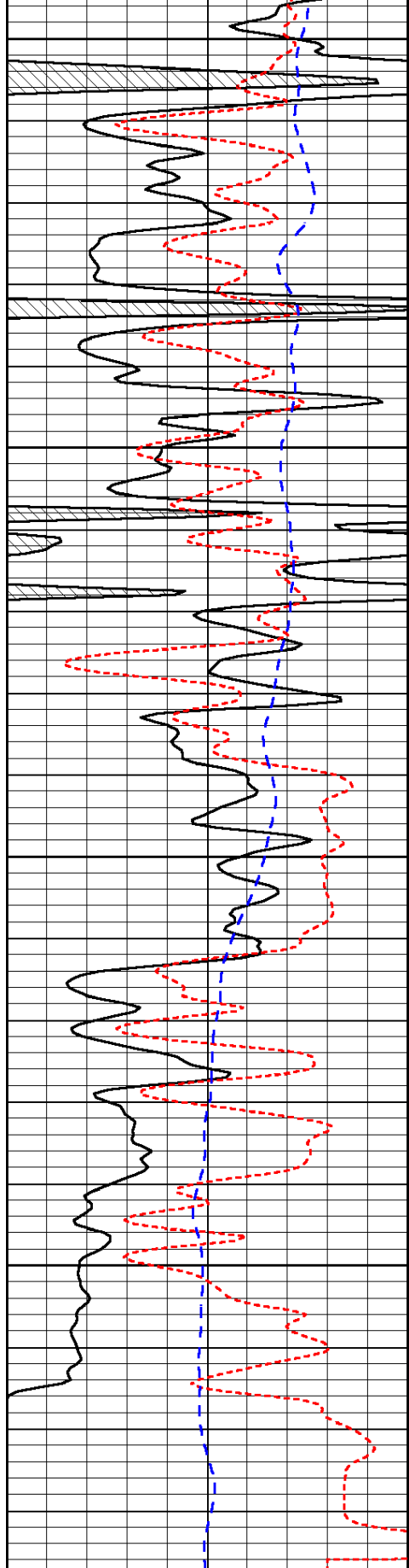


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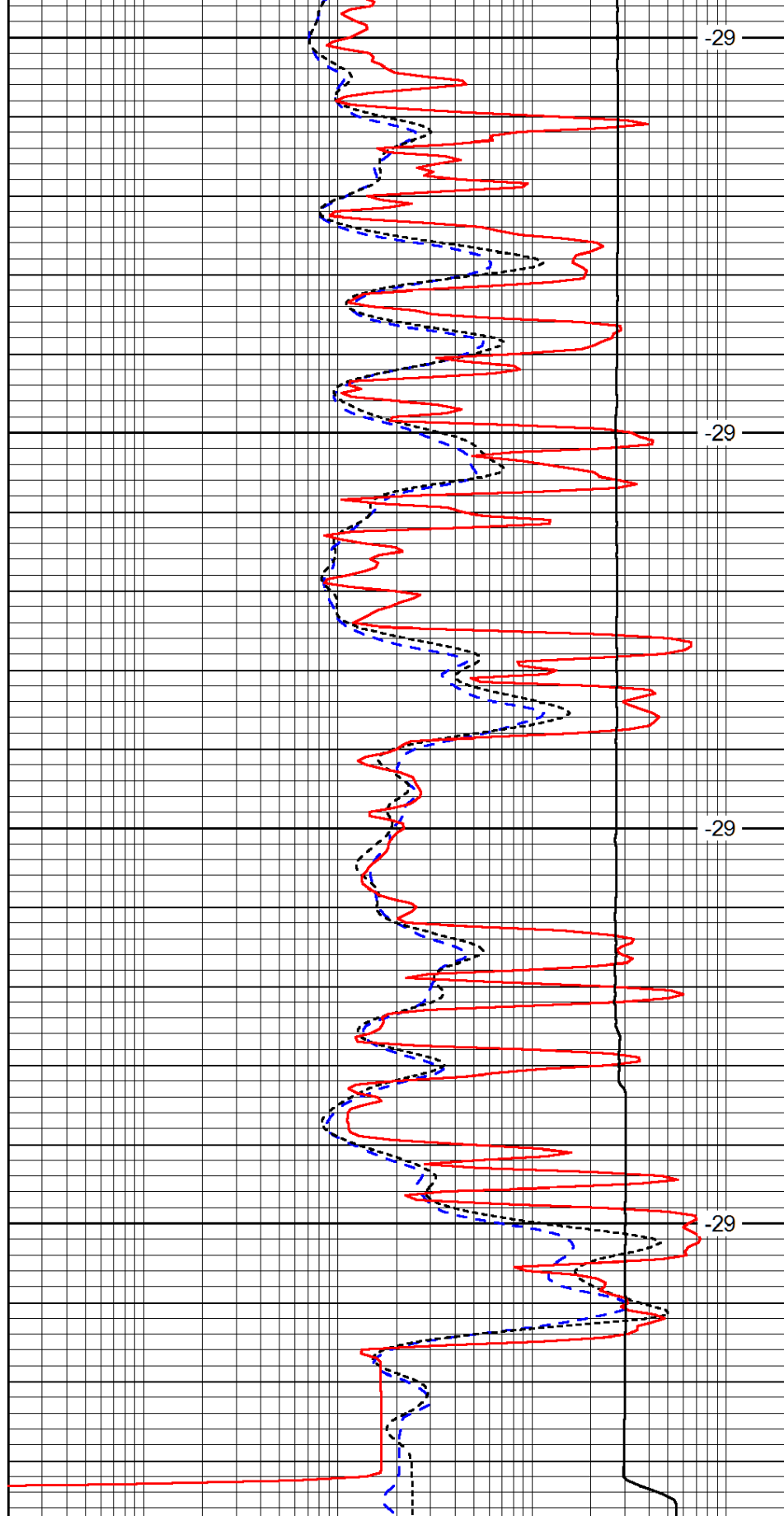
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4450

4500

4550

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-160	RXO/RT	40
-200	SP (mV)	0



-29

-29

-29

-29

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

LSPD  
(ft/min)





Pioneer Energy Services

## Dual Compensated Porosity Log

**API No.** 15-101-22,472-00-00  
**Company** Blue Goose Drilling Company, Inc.  
**Well** Borell 'E' #1  
**Field** Wildcat  
**County** Lane  
**Location** SW SE SE NE  
 2595' FNL & 641' FEL  
**State** Kansas  
**Other Services** DIL/MEI

**Permanent Datum** Ground Level Elevation 2587  
**Log Measured From** Kelly Bushing 7 Ft. Above Perm. Datum  
**Drilling Measured From** Kelly Bushing  
**Date** 11/21/2013  
**Run Number** One  
**Type Log** CNL / CDL  
**Depth Driller** 4582  
**Depth Logger** 4582  
**Bottom Logged Interval** 4561  
**Top Logged Interval** 3600  
**Type Fluid In Hole** Chemical  
**Salinity, PPM CL** 4500  
**Density** 9.3  
**Level** Full  
**Max. Rec. Temp. F** 122  
**Operating Rig Time** 4 Hours  
**Equipment -- Location** 15 Hays  
**Recorded By** D Kerr  
**Witnessed By** Vern Schrag

Borehole Record		Casing Record				
Run No.	Bit From	To	Size	Wgt.	From	To
One	12.25	00	285	8.625	23#	00
Two	7.875	285	TD			285

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

### Comments

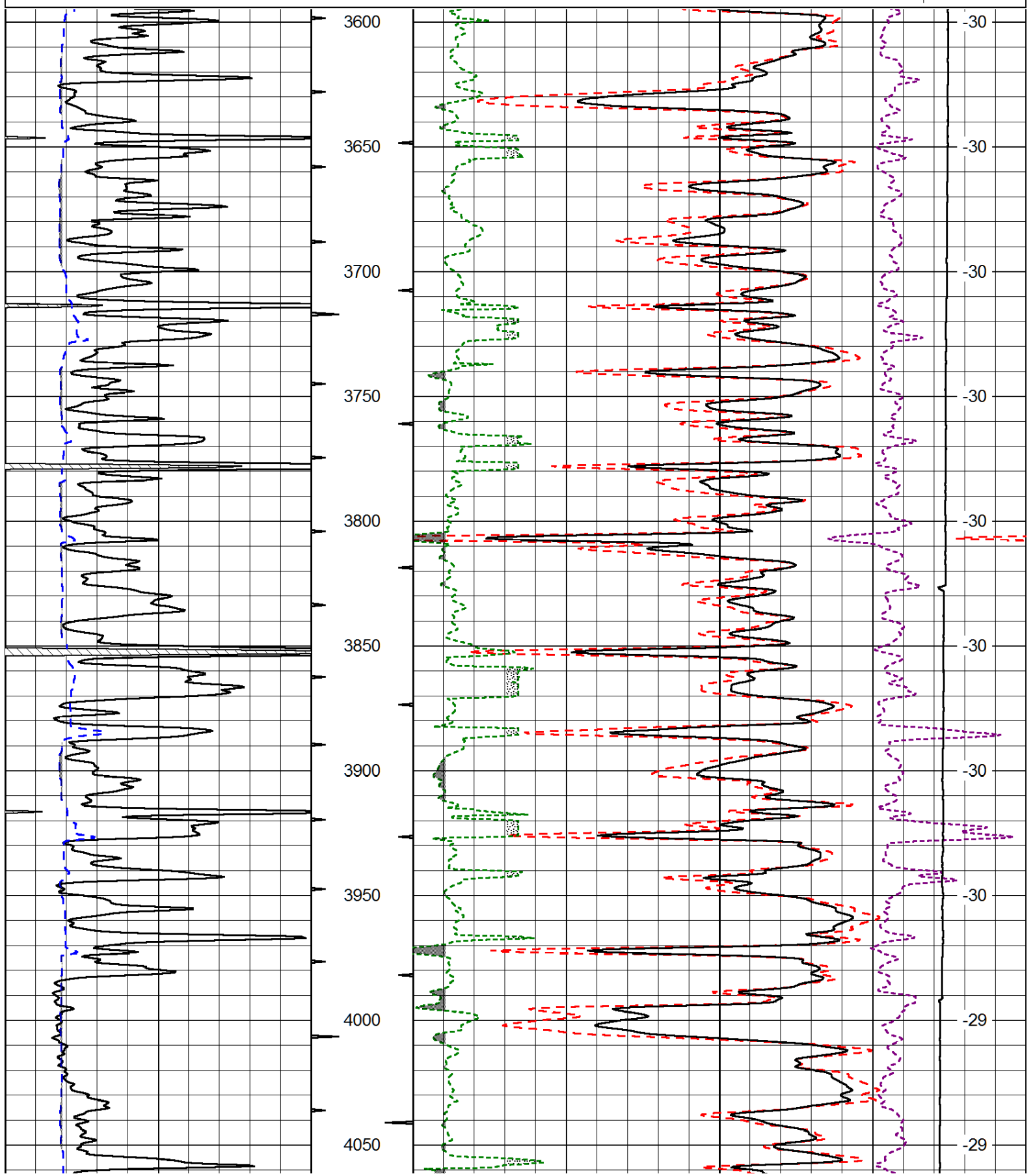
Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
  
 Ness City KS, West to County Line,  
 West to Turkey Red RD, 2 1/2 North, West Into

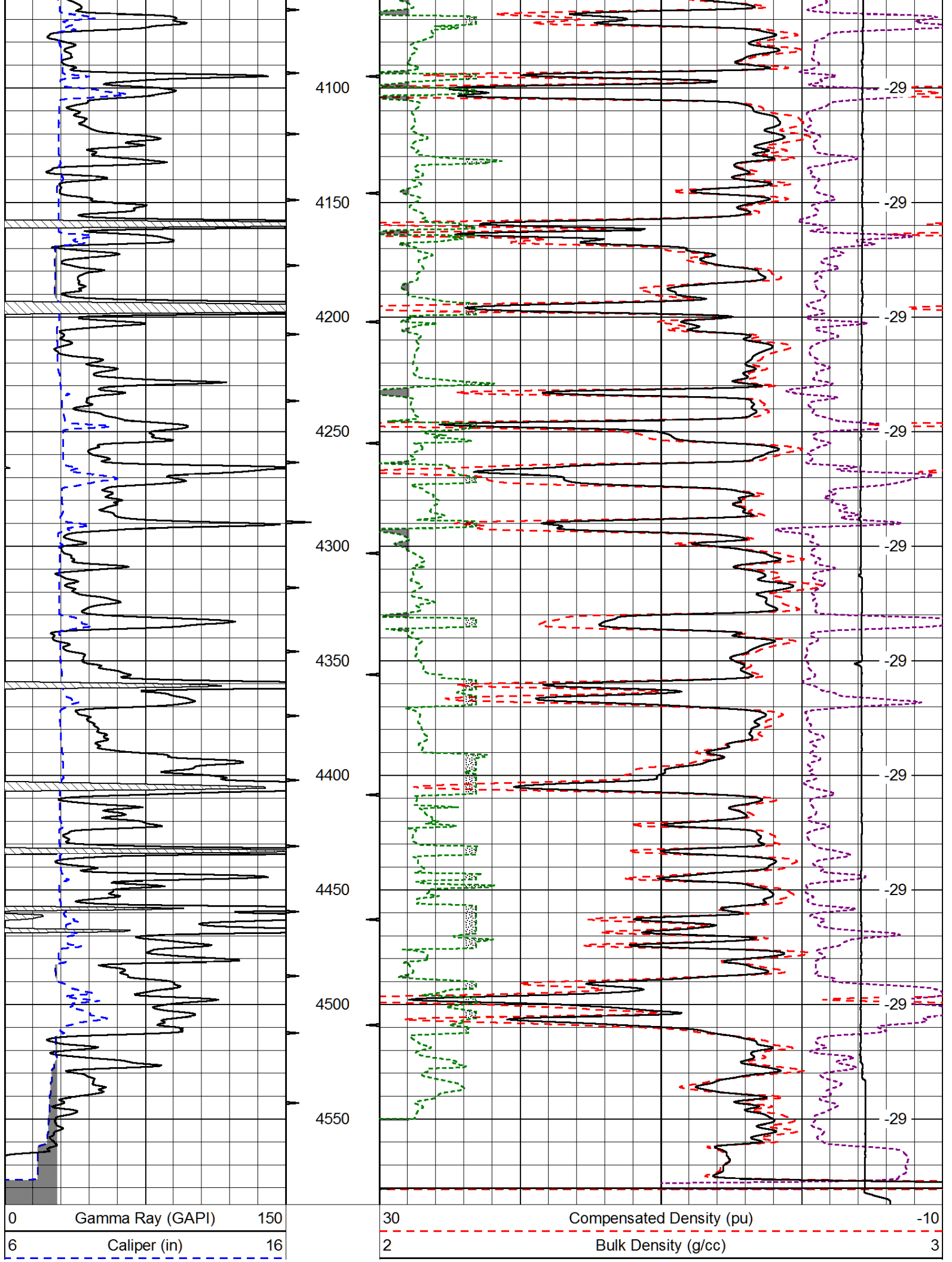
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0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
			Correction (g/cc)
			0.25

LSPD  
(ft/min)

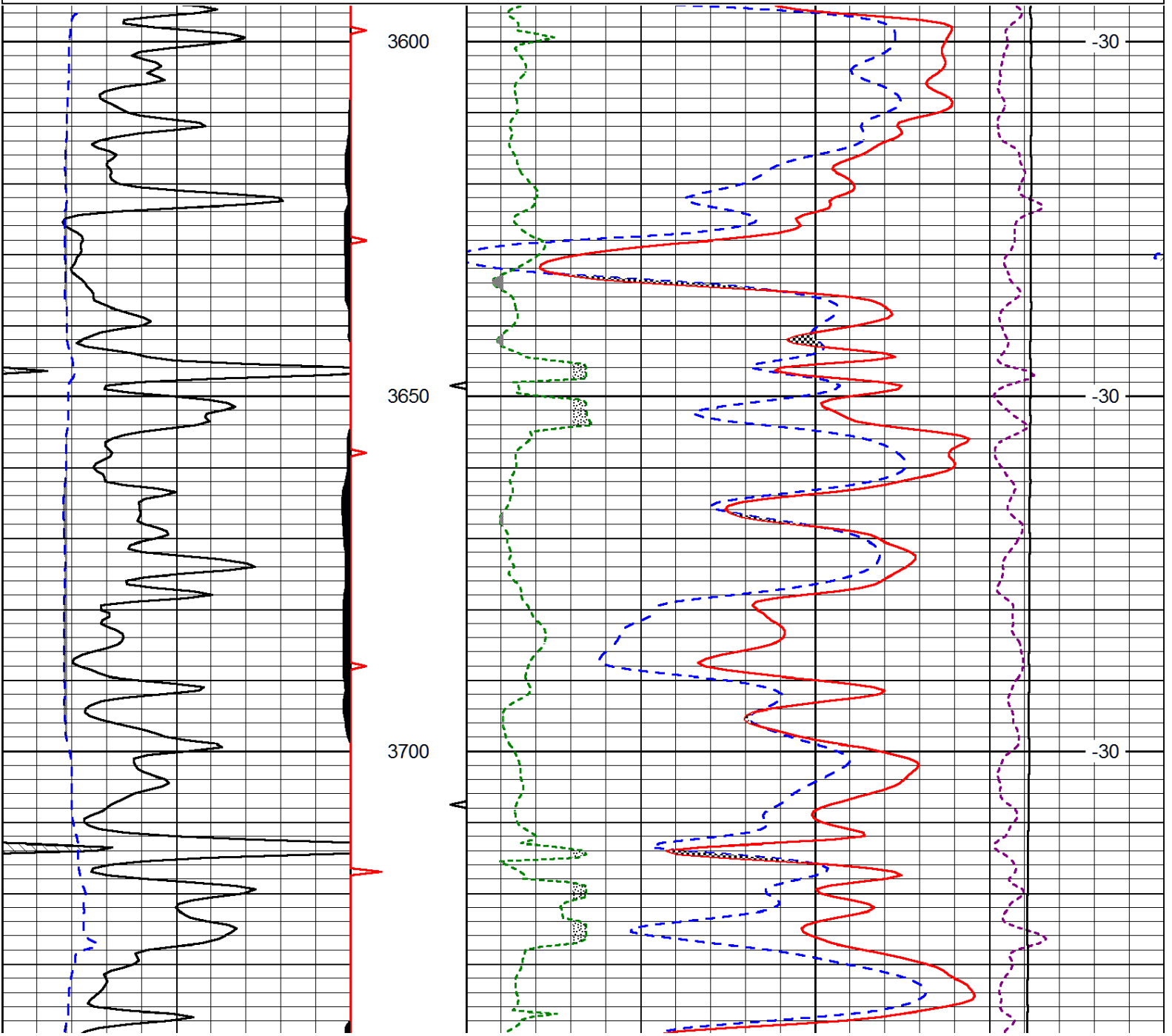


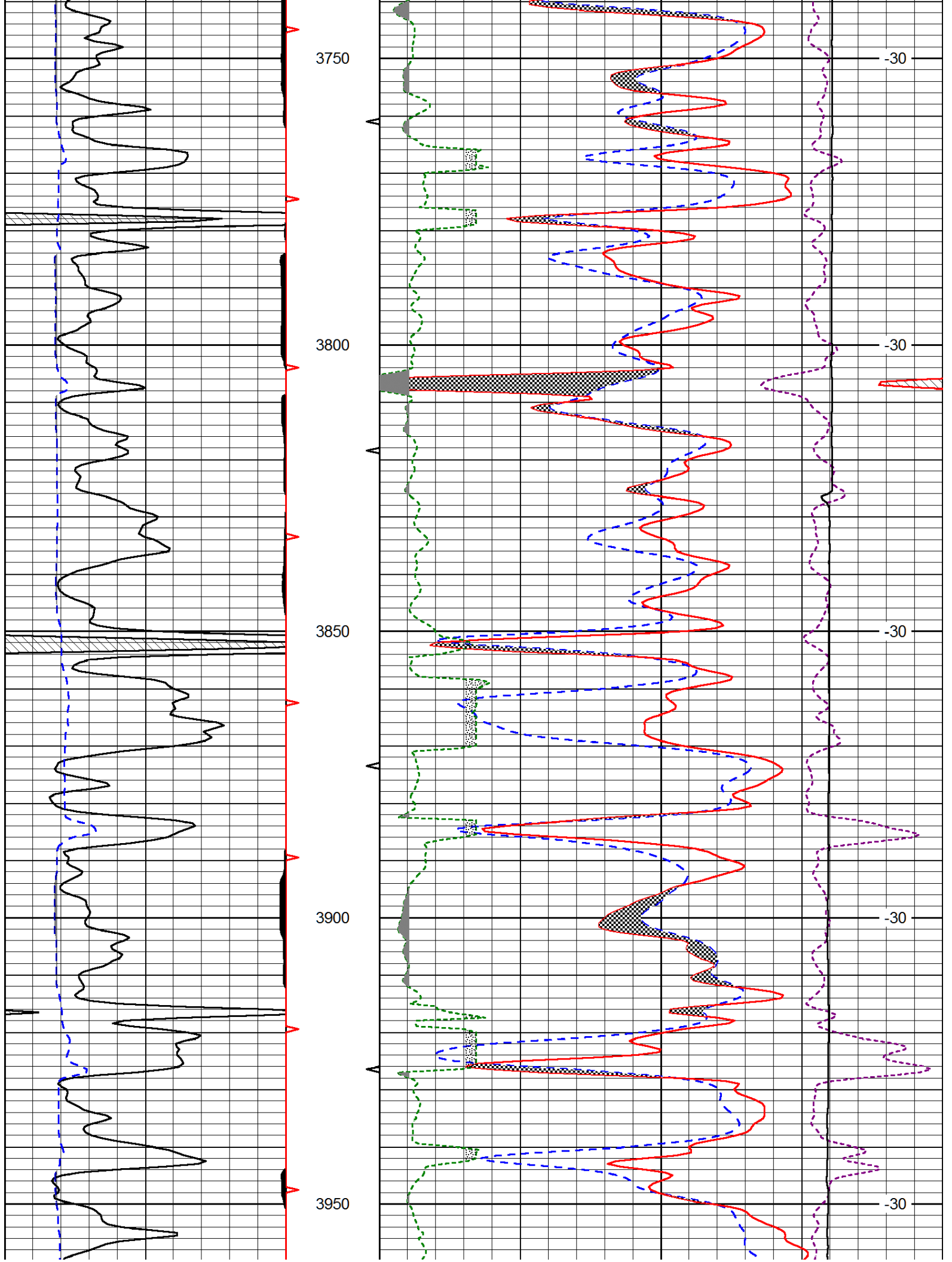


15000	Line Tension (lb)			0	
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
				LSPD (ft/min)	

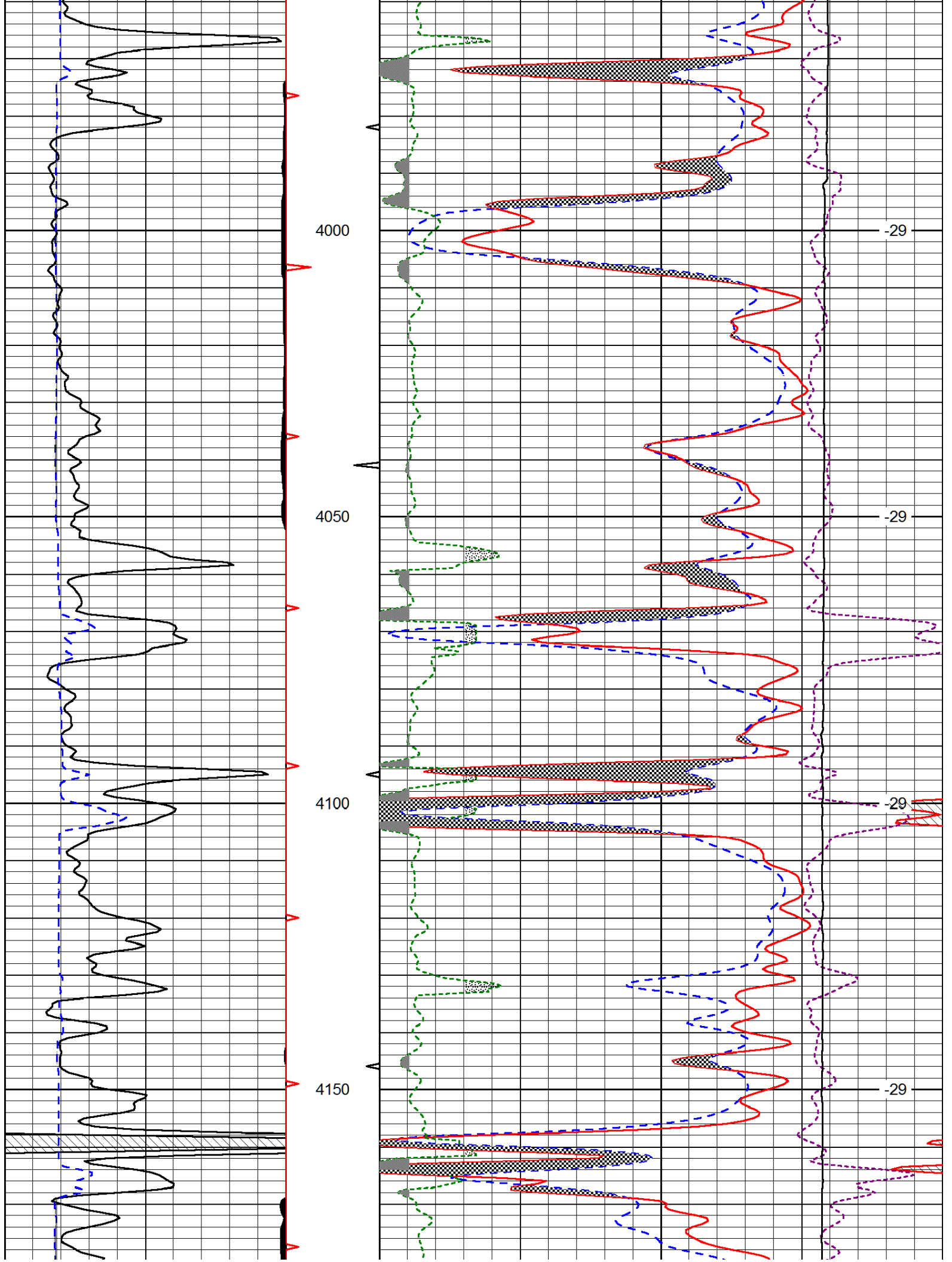
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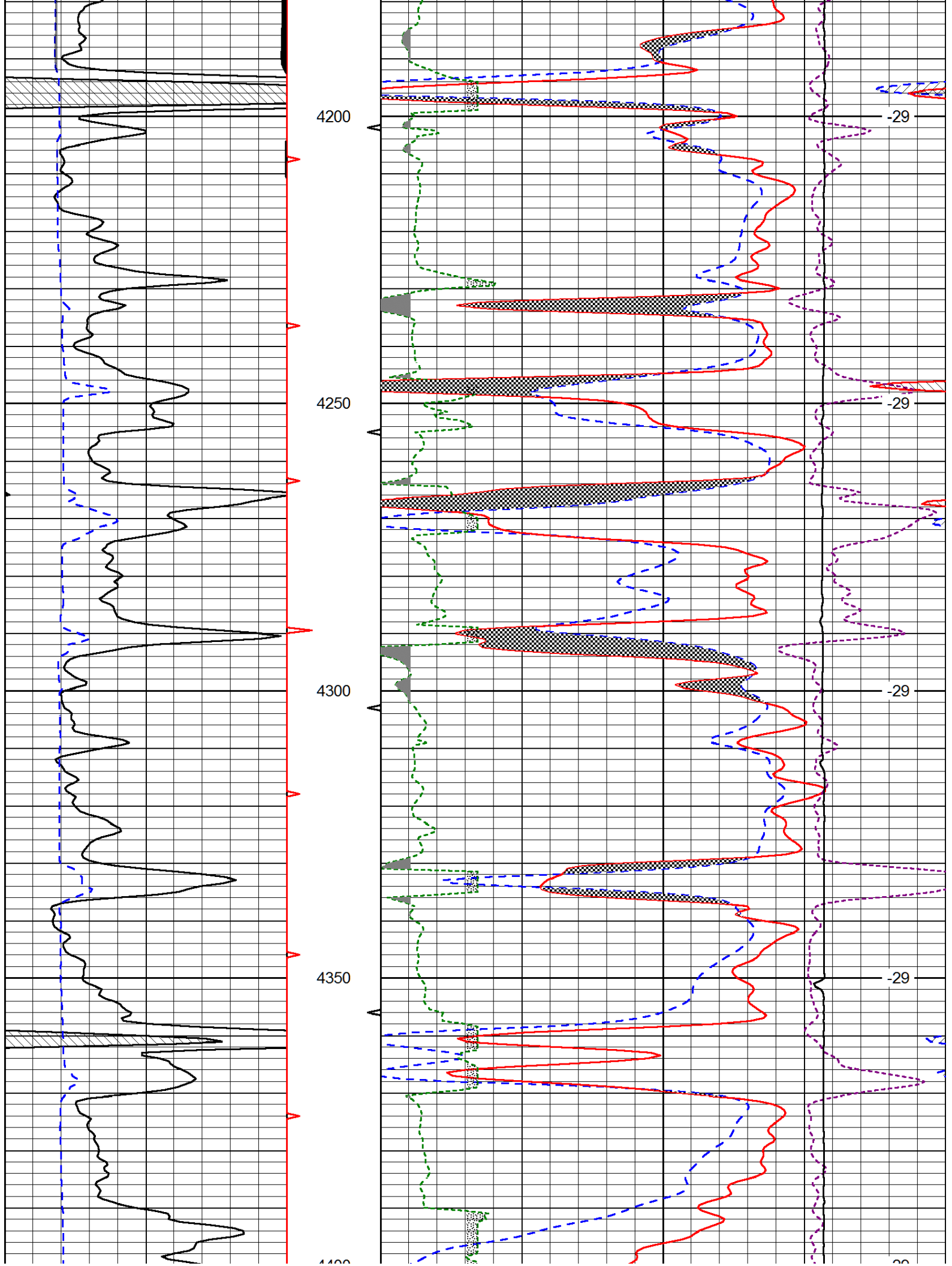
0	Gamma Ray (GAPI)	150	30	CNLS (pu)	-10
6	Caliper (in)	16	30	Compensated Density (2.71 ma) (pu)	-10
		2.625 DGA (g/cc) 3.425 -0.25 Correction (g/cc) 0.25			
		10000 Line Tension (lb)			0
				LSPD (ft/min)	

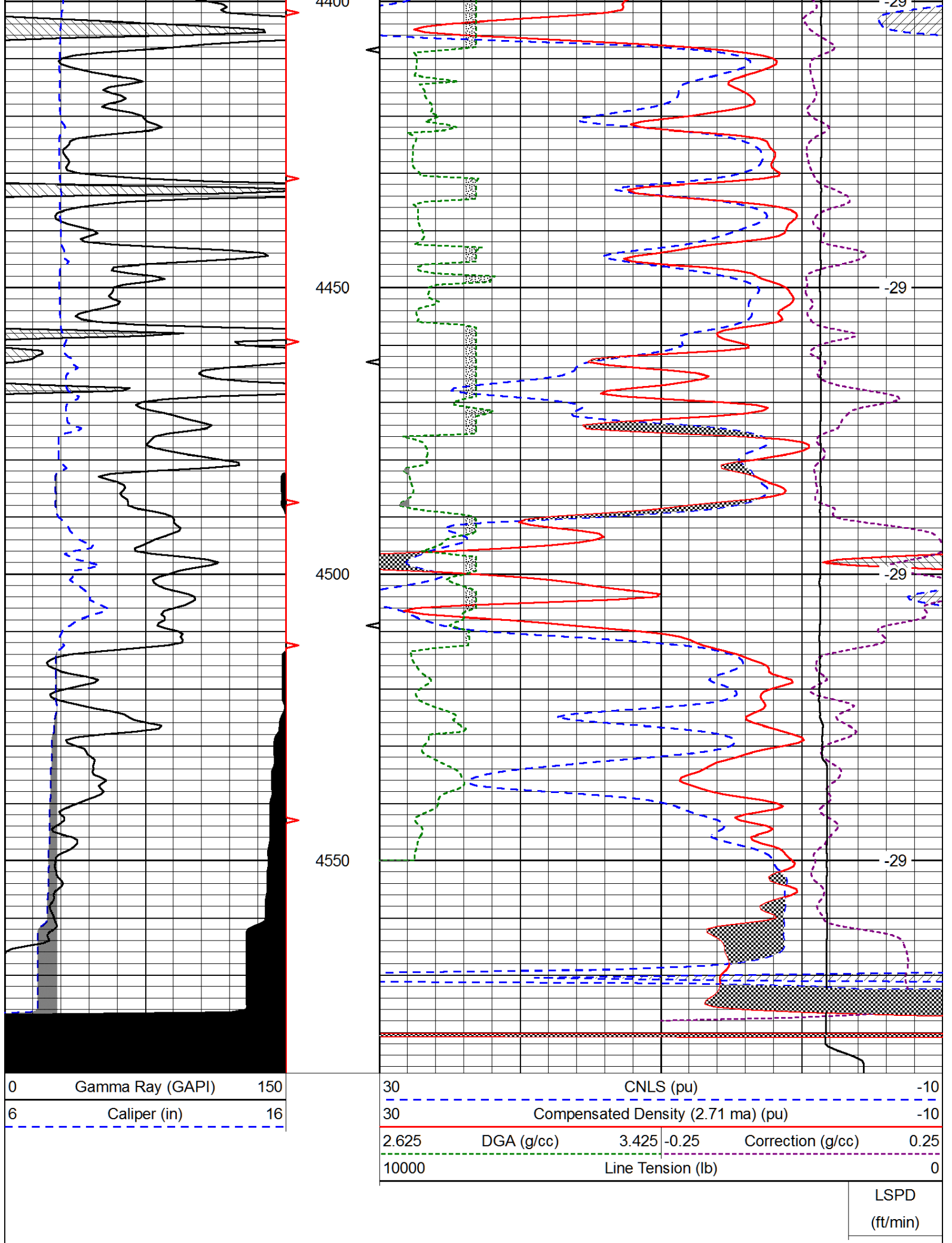












0 Gamma Ray (GAPI) 150  
 6 Caliper (in) 16

30 CNLS (pu) -10  
 30 Compensated Density (2.71 ma) (pu) -10  
 2.625 DGA (g/cc) 3.425 -0.25 Correction (g/cc) 0.25  
 10000 Line Tension (lb) 0

LSPD  
(ft/min)



Pioneer Energy Services

# Microresistivity Log

API No.	15-101-22,472-00-00		
Company	Blue Goose Drilling Company, Inc.		
Well	Borell 'E' #1		
Field	Wildcat		
County	Lane	State	Kansas
Location	SW SE SE NE 2595' FNL & 641' FEL		
Sec: 4	Twp: 18S	Rge: 27W	Other Services CNL/CDL DIL
Permanent Datum	Ground Level	Elevation 2587	Elevation
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum	K.B. 2594
Drilling Measured From	Kelly Bushing		D.F. 2587
			G.L. 2587

Date	11/21/2013
Run Number	Two
Depth Driller	4582
Depth Logger	4582
Bottom Logged Interval	4581
Top Log Interval	3600
Casing Driller	8.625 @ 285
Casing Logger	282
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4500
Density / Viscosity	9.3   61
pH / Fluid Loss	9.5   8.8
Source of Sample	Flowline
Rm @ Meas. Temp	0.65 @ 56
Rmf @ Meas. Temp	0.49 @ 56
Rmc @ Meas. Temp	0.88 @ 56
Source of Rmf / Rmc	Charts
Rm @ BHT	0.30 @ 122
Operating Rig Time	4 Hours
Max Rec. Temp. F	122
Equipment Number	15
Location	Hays
Recorded By	D Kerr
Witnessed By	Vern Schrag

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

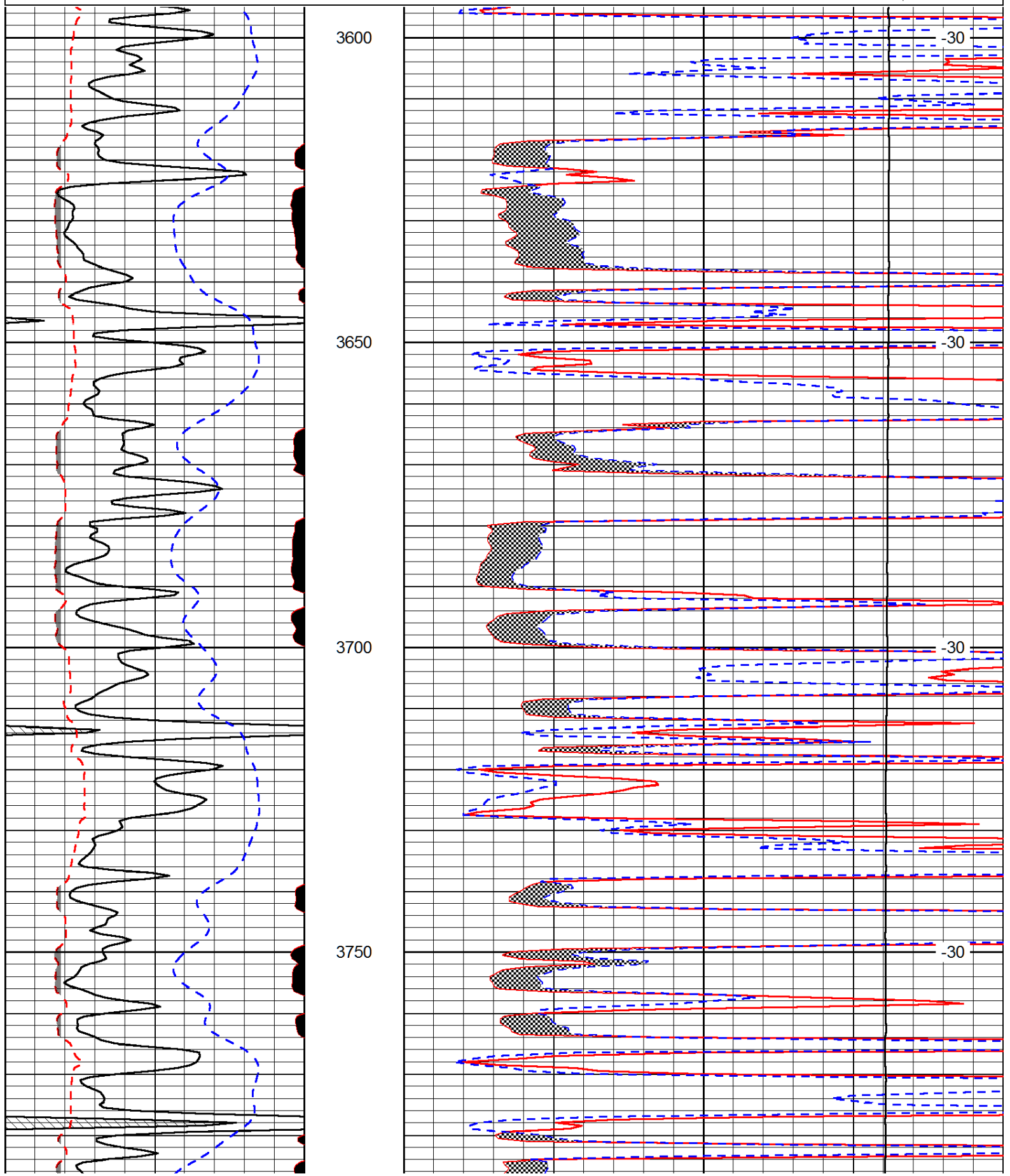
Thank you for using Log-Tech, Inc.  
(785) 625-3858

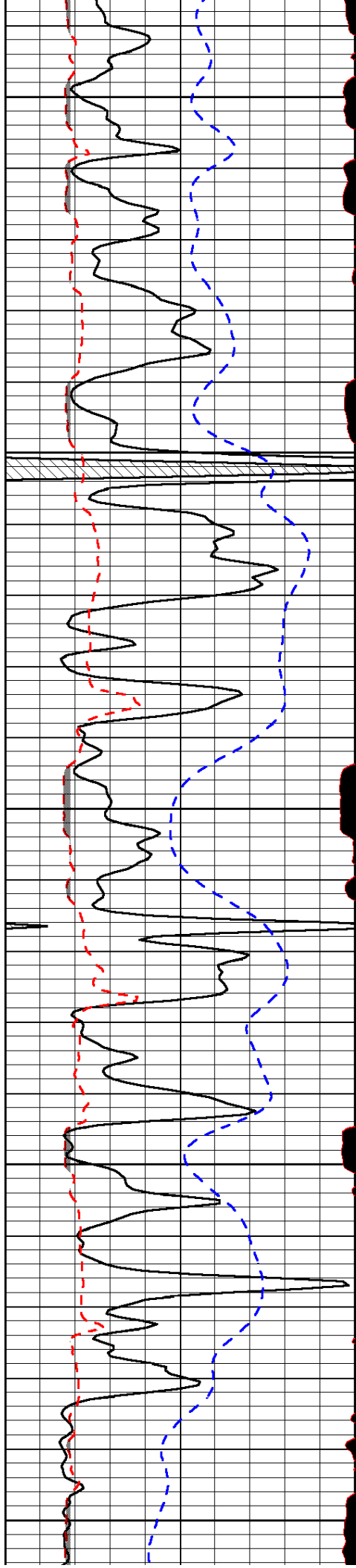
Ness City KS, West to County Line,  
West to Turkey Red RD, 2 1/2 North, West Into

0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

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

LSPD  
(ft/min)





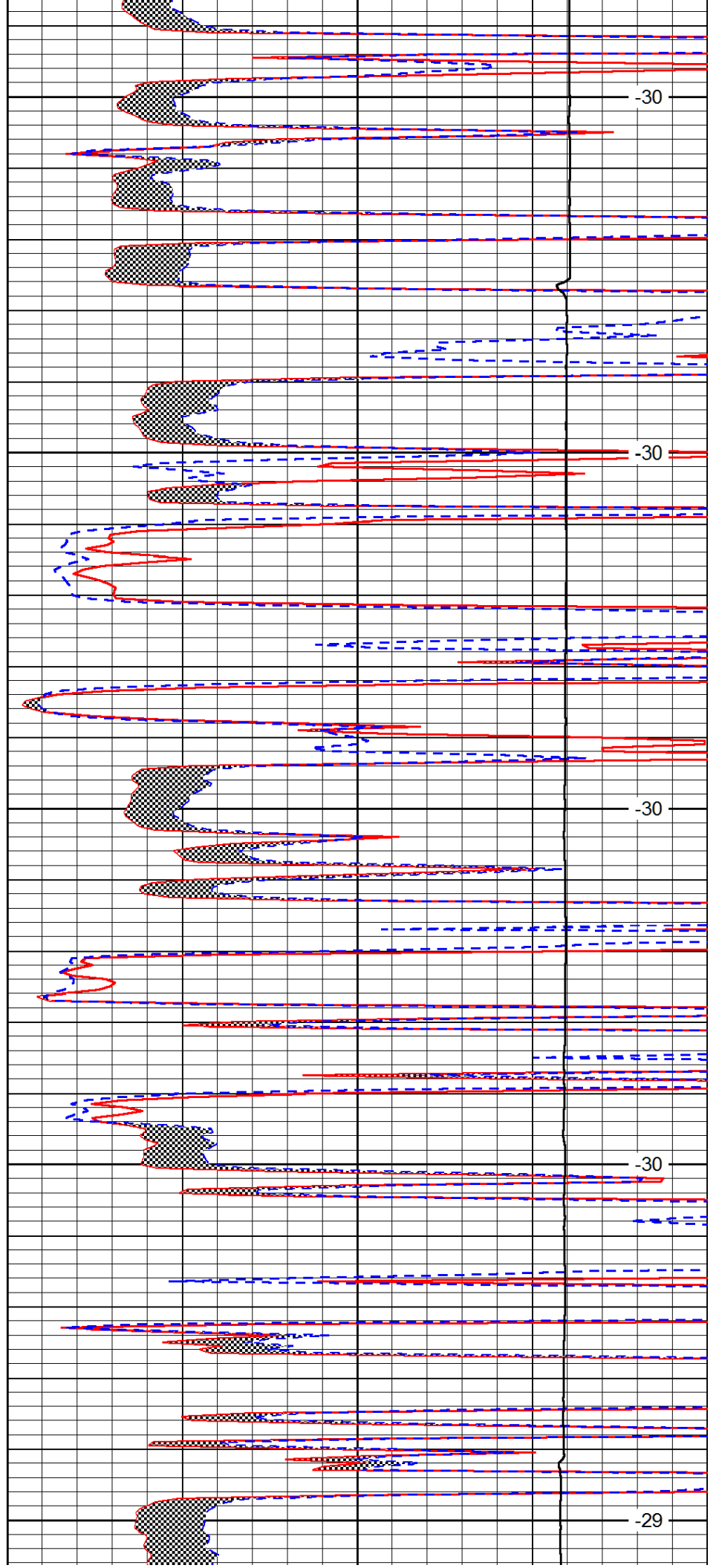
3800

3850

3900

3950

4000



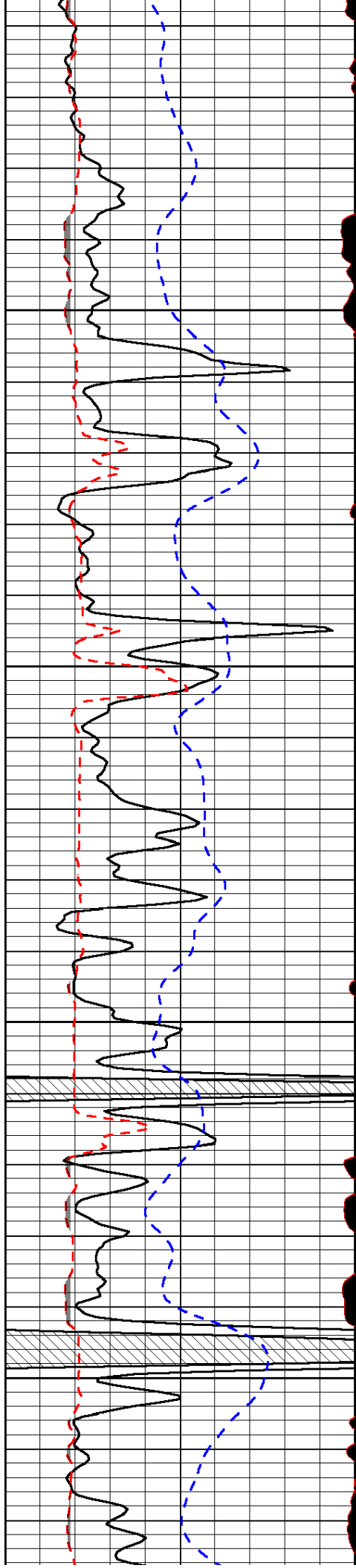
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-30

-30

-30

-29

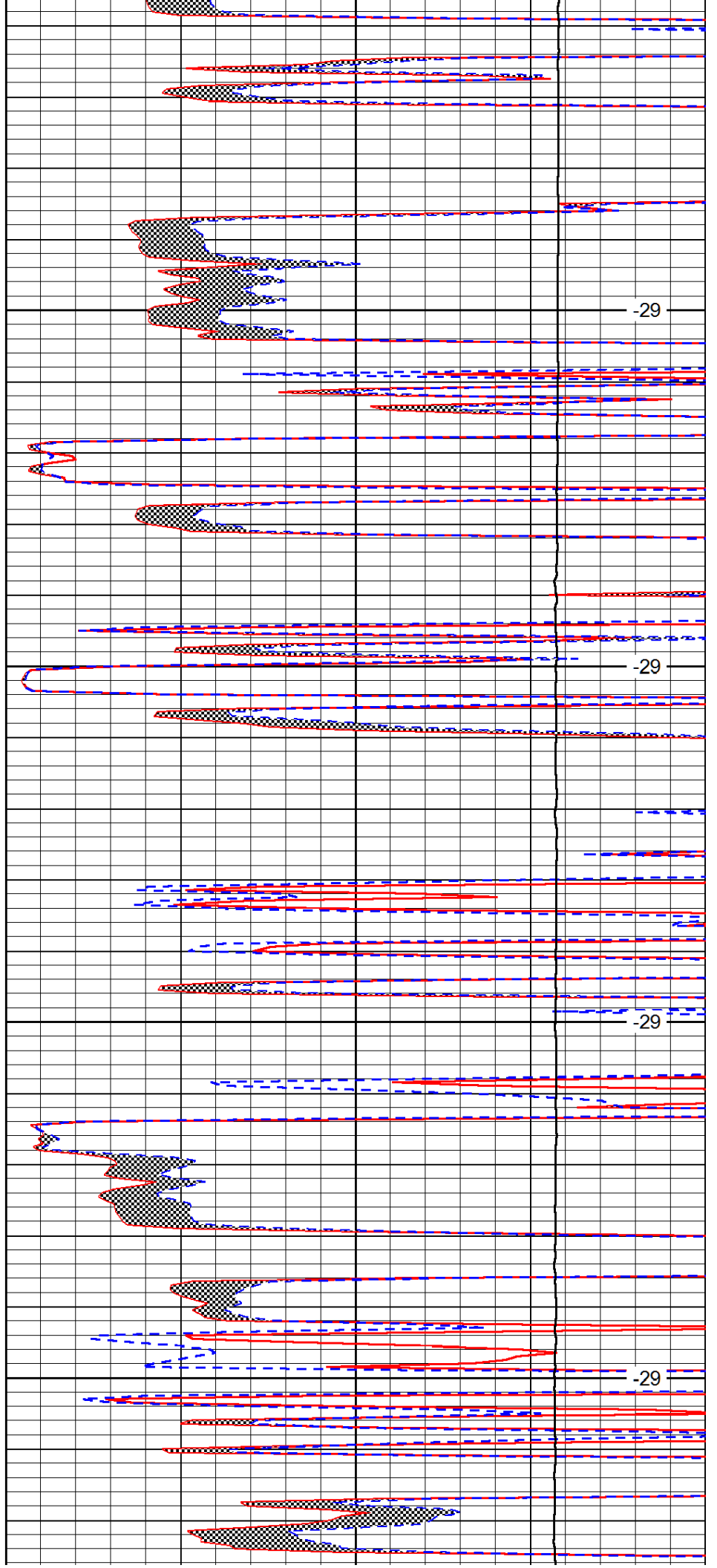


4050

4100

4150

4200

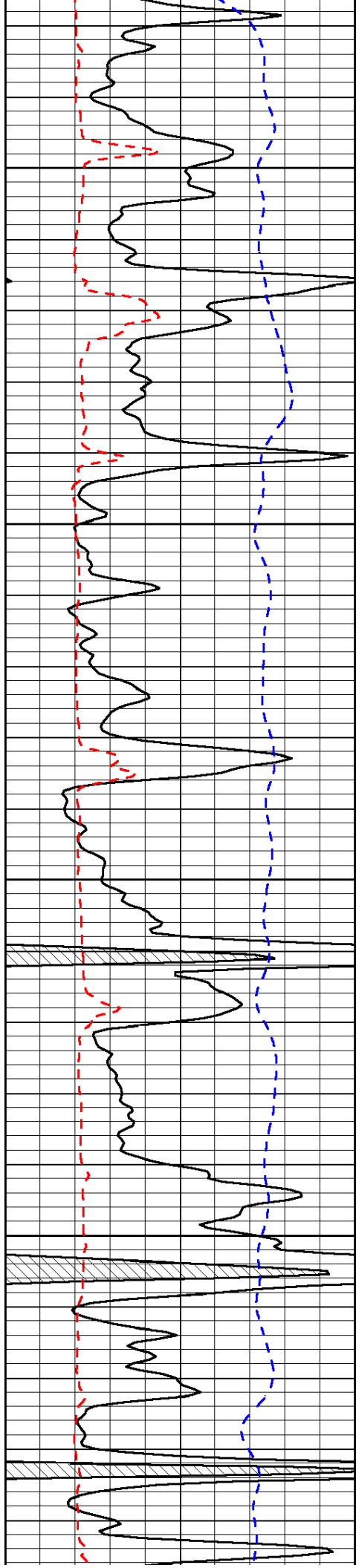


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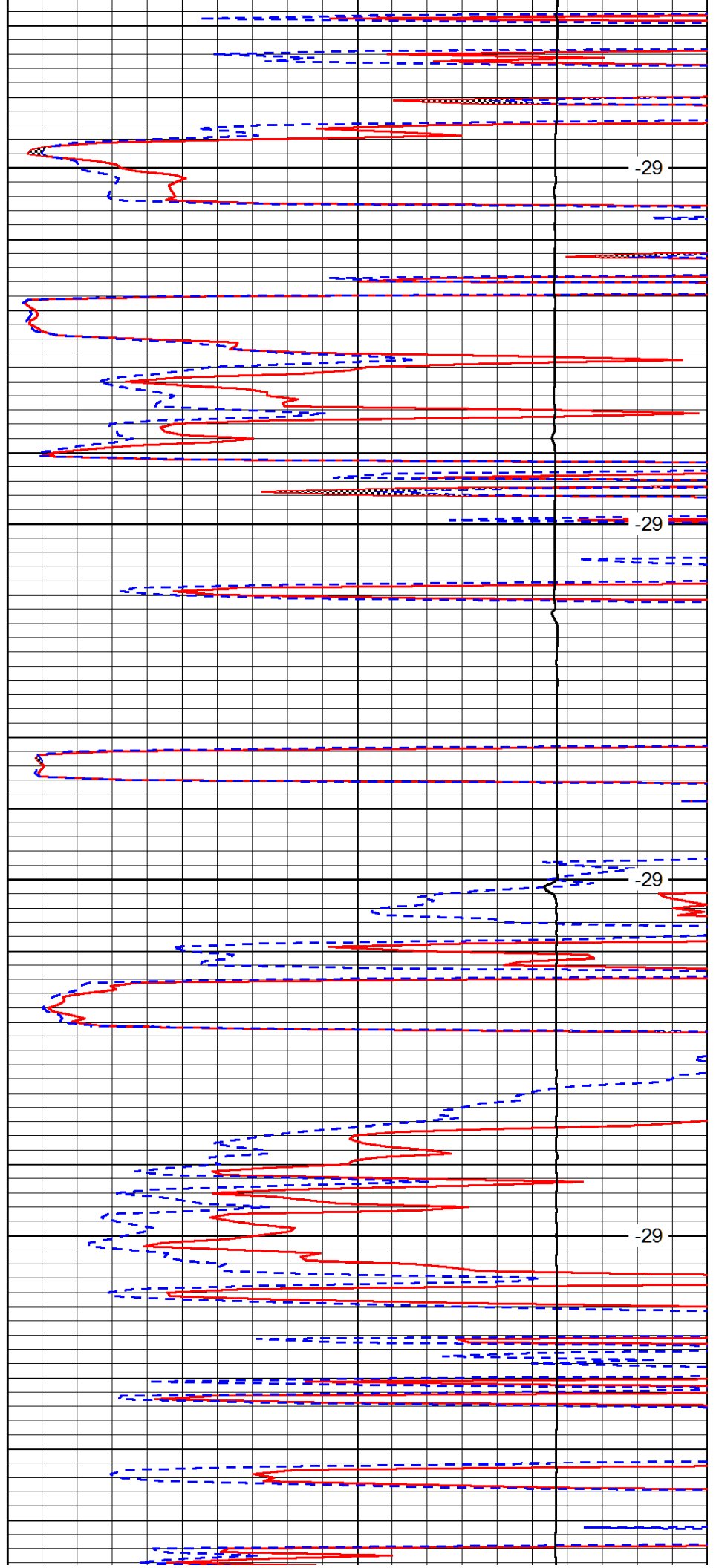


4250

4300

4350

4400



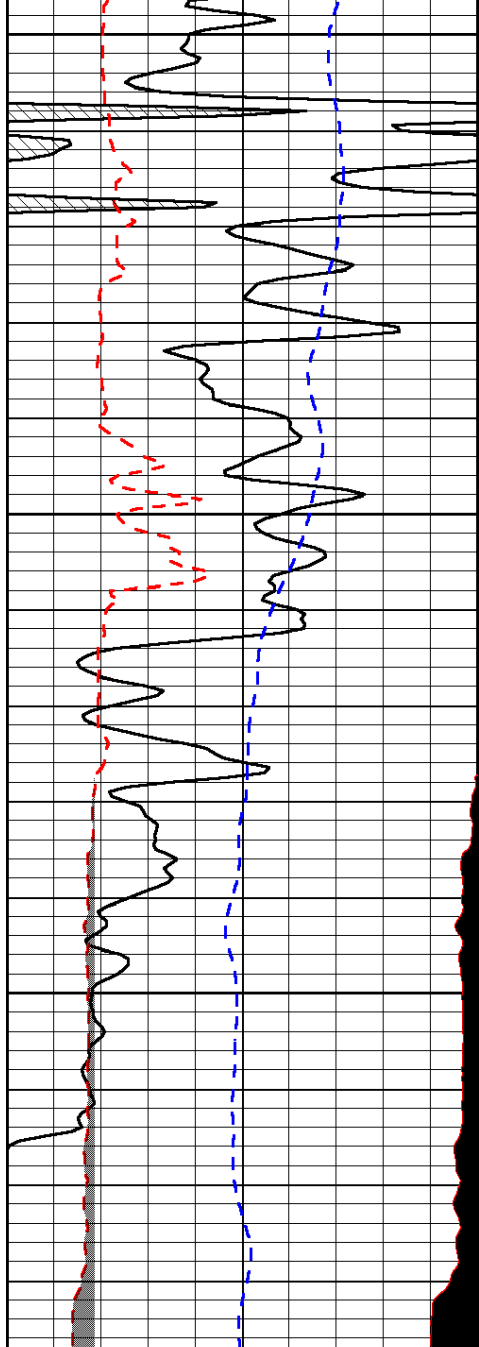
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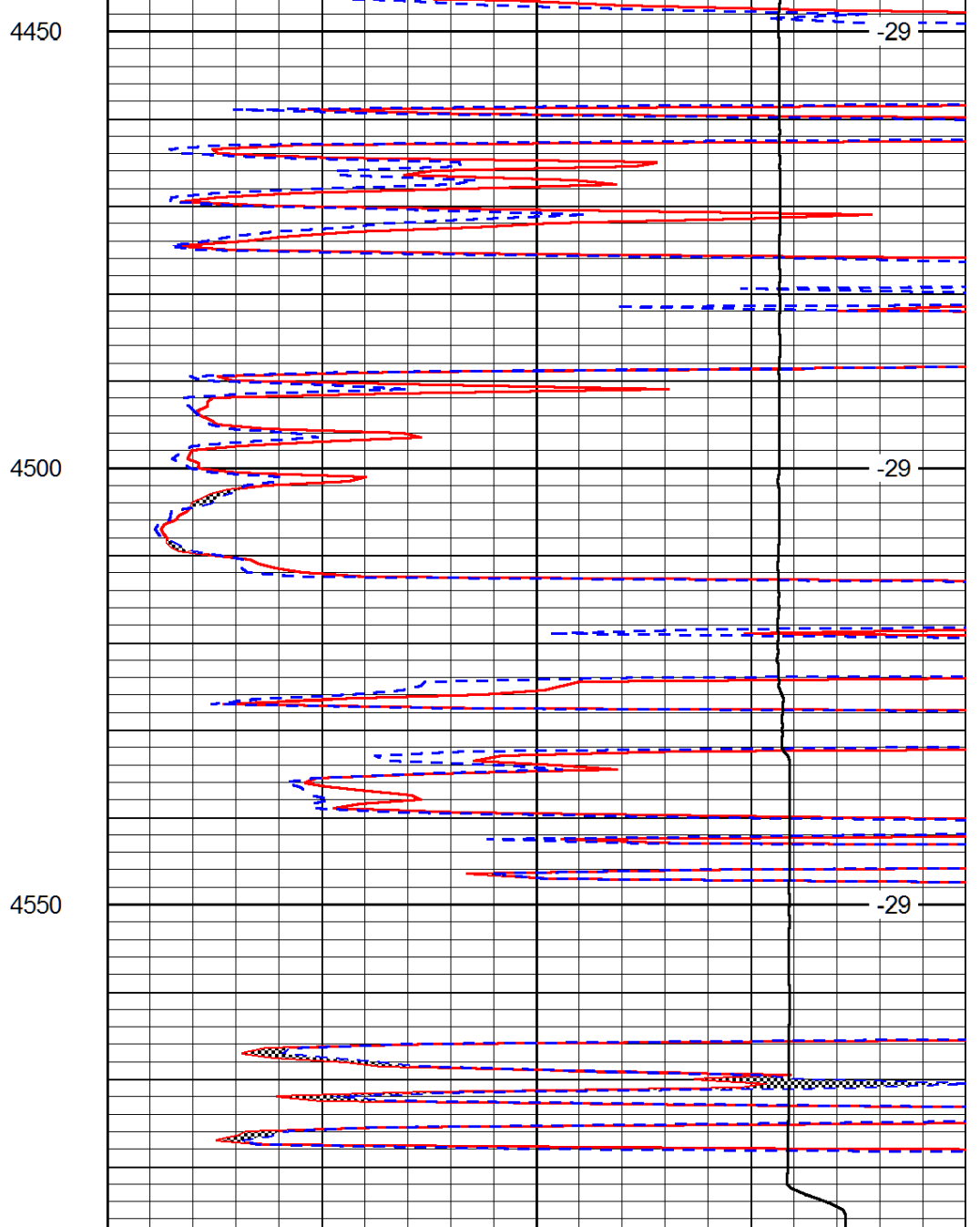
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0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0



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

LSPD  
(ft/min)



Pioneer Energy Services

Sonic Cement  
Bond Log

15-101-22472-00-00

API No.

Company Blue Goose Drilling Company, Inc.

Well Borell 'E' No. 1

Field Wildcat

County Lane State Kansas

Location 2595' FNL & 641' FEL

SW-SE-SE-NE

Other Services

Sec: 4 Twp: 18S Rge: 27W

Elevation

K.B. 2594

D.F. 2587

G.L. 2587

Permanent Datum Ground Level Elevation 2587

Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Run Number One

Date Survey 12/9/2013

Date Cementing 11/21/2013

Type Cementing Operation Primary

Depth Driller 4582

Depth Logger 4533

Logged Interval 4531 to 3400

Casing Driller 5.5 @ T.D.

Float Collar -- D.V. Tool 1966 @

Squeeze Depth

Amount & Type Cement

Amount & Type Admix

Type Fluid In Hole Water

Fluid Level 160

Salinity PPM CL

Weight lb/gal -- Vis. |||||

Approx. Logged Cement Top 3560

Calculated Cement Top |||||

Max. Hole Temperature 122

Tool No. D-1

Spacing Recorded 3-5

Equipment -- Location 72 Hays

Recorded By K. Ladriagan

Witnessed By Martin Miller

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for using Pioneer Energy Services, Inc. 785.625.3858

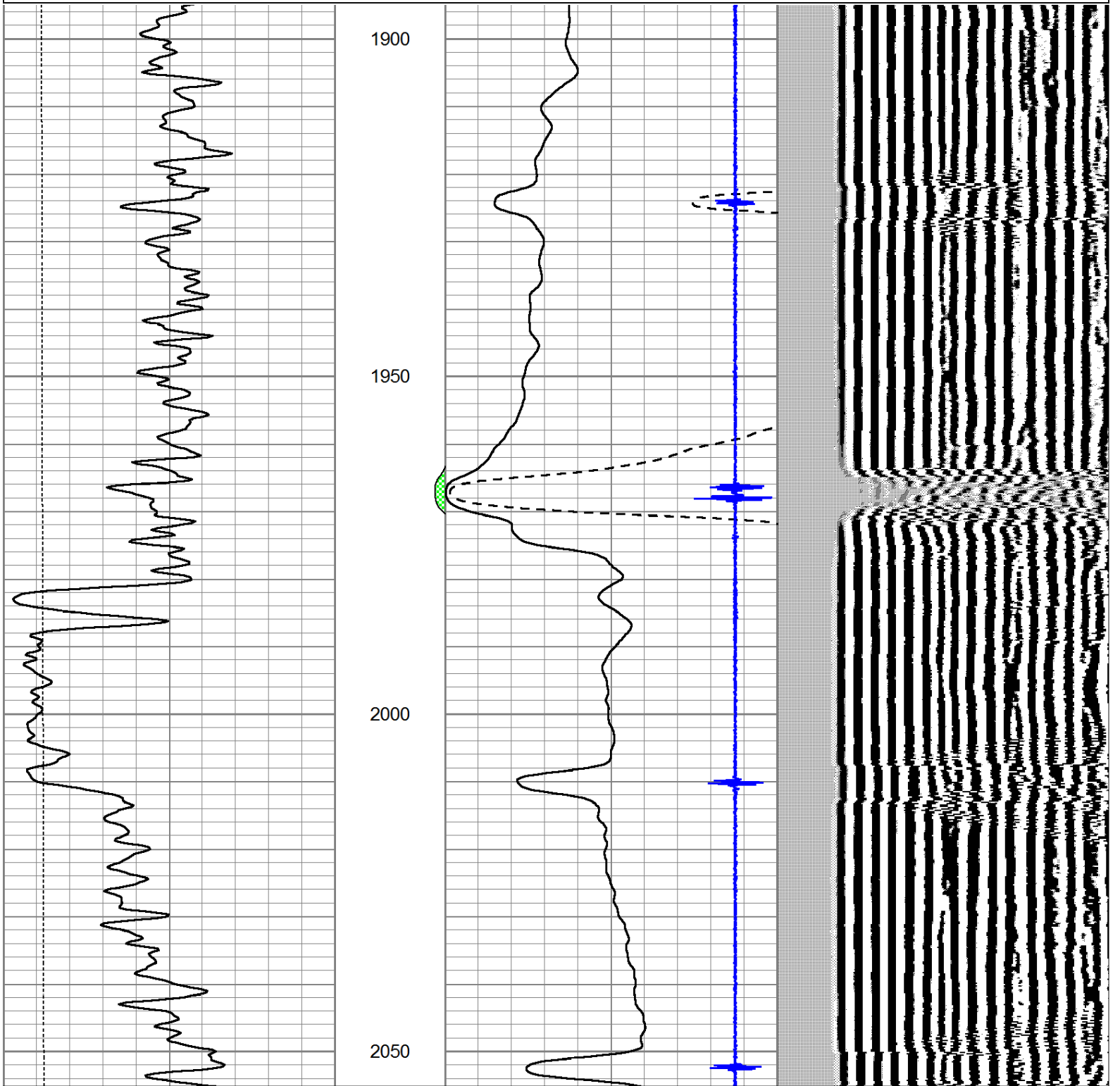
Ness City, KS., West to County Line, West to Turkey Red Road, 2 ½ North West Into.



Port Collar @ 1966

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 Presentation Format: cbldig  
 Dataset Creation: Mon Dec 09 13:12:30 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

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			-100 10	7	Collar Locator	-1			

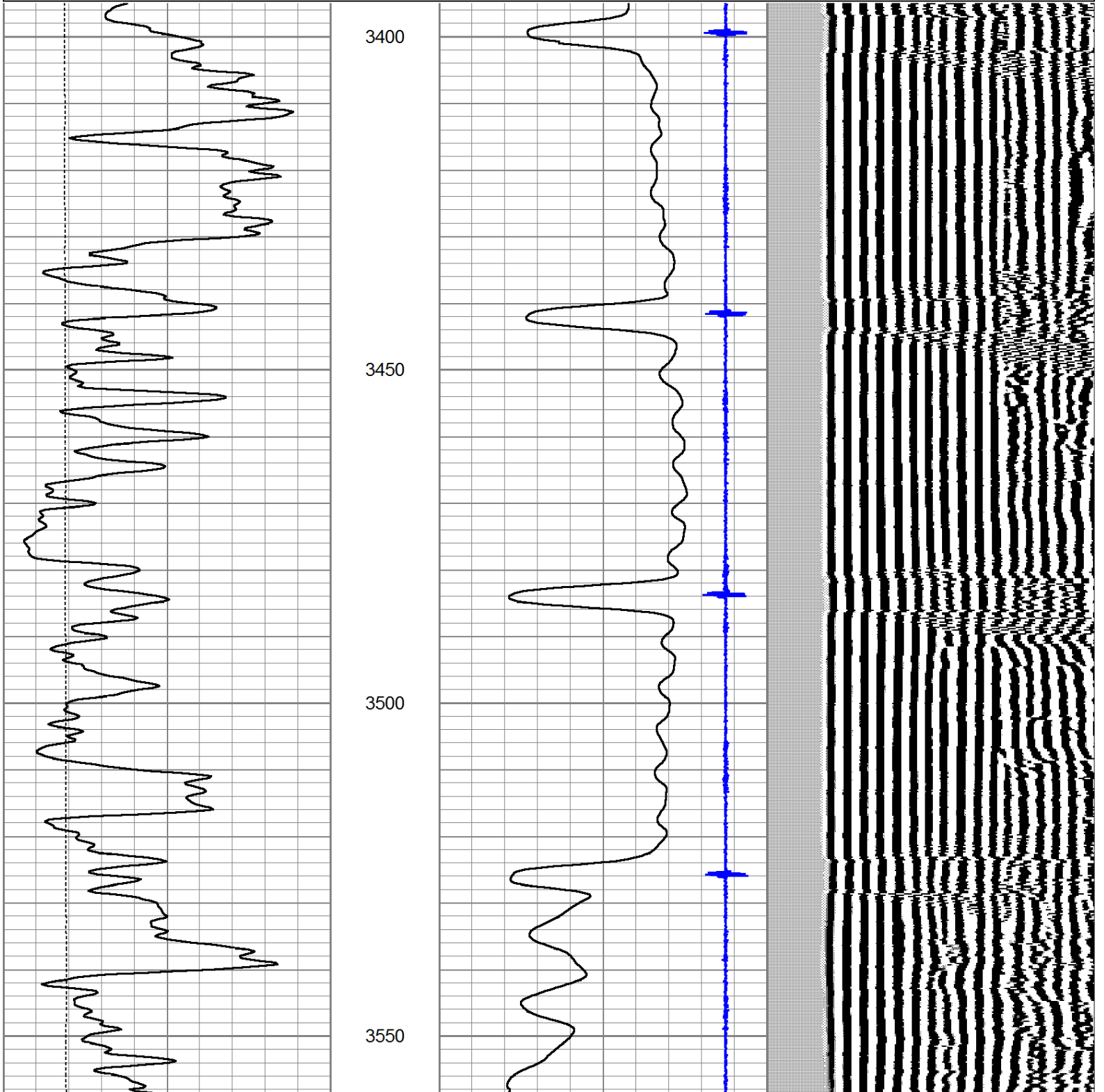


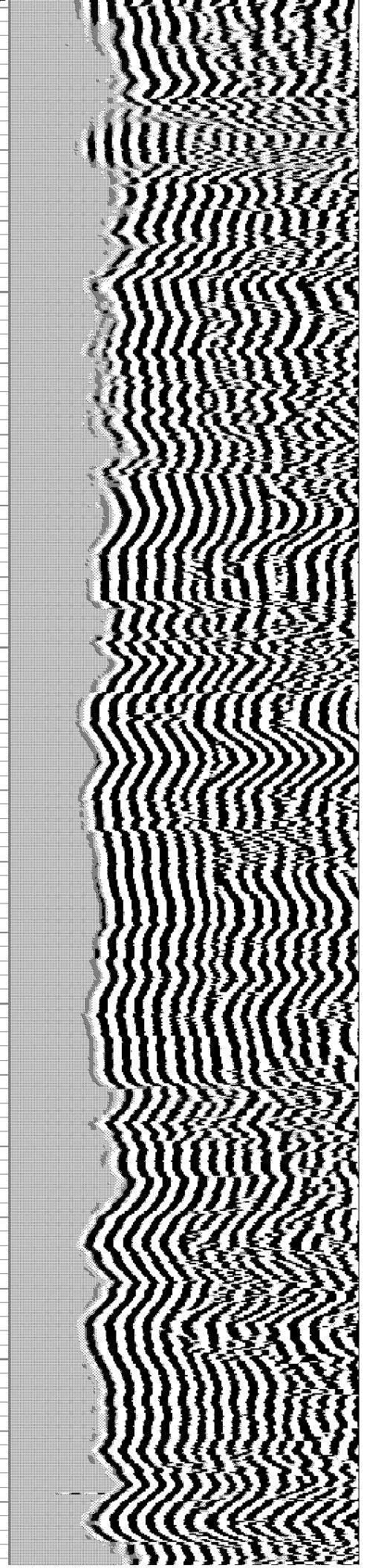
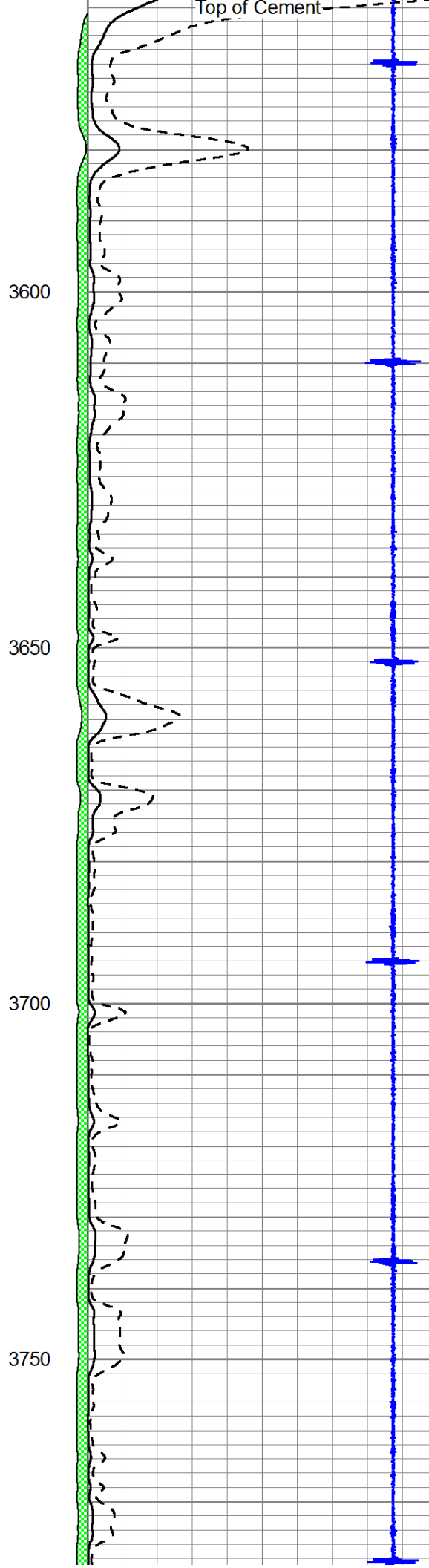
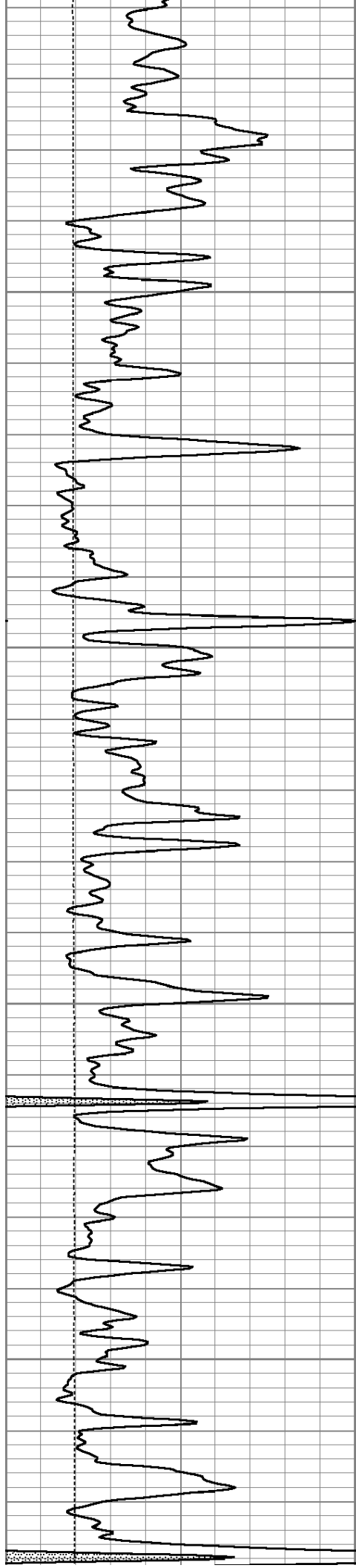
0	GR (GAPI)	150	AMP3	0	Amplitude (mV)	100	200	Variable Density	1200
0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			

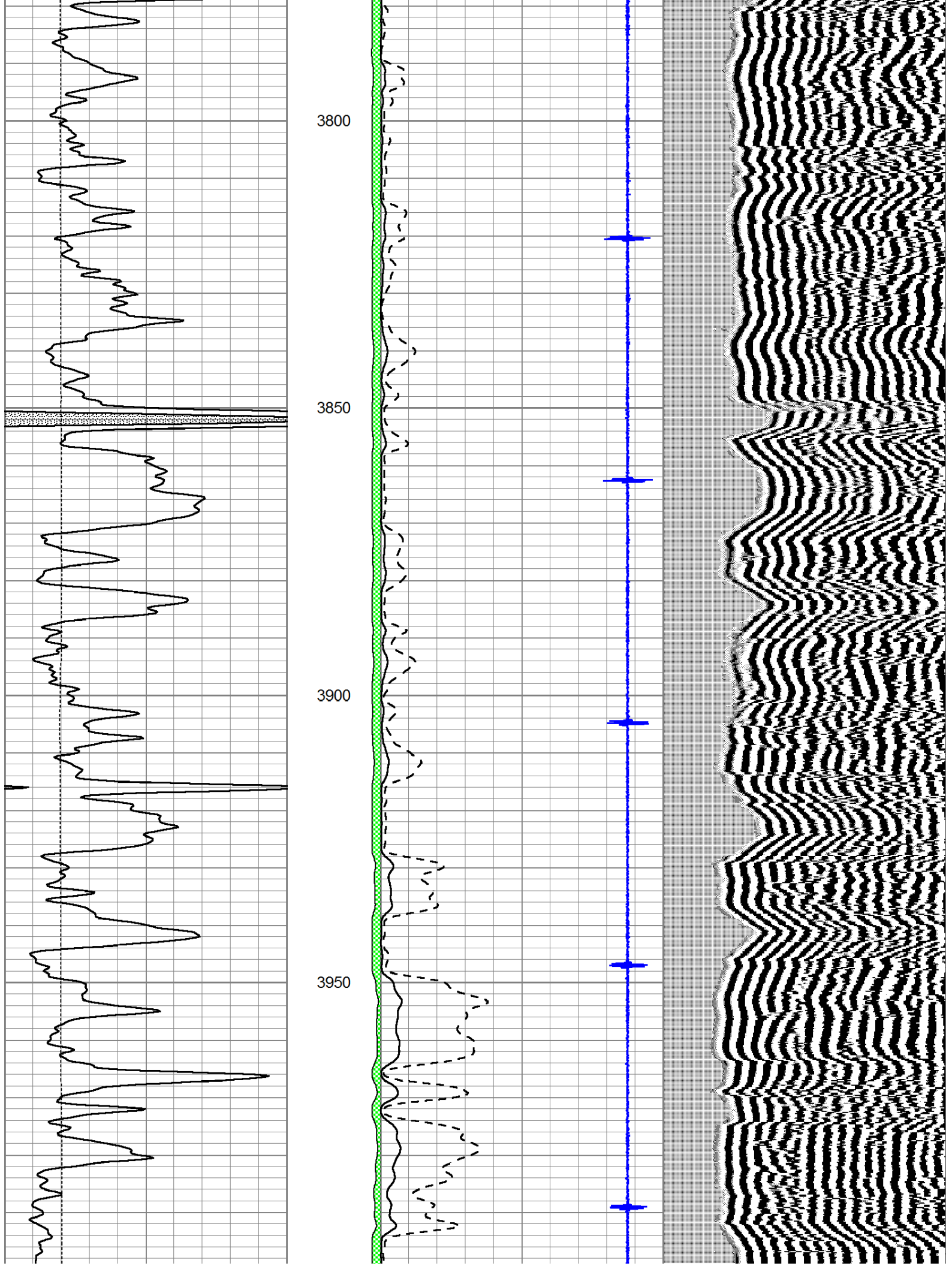
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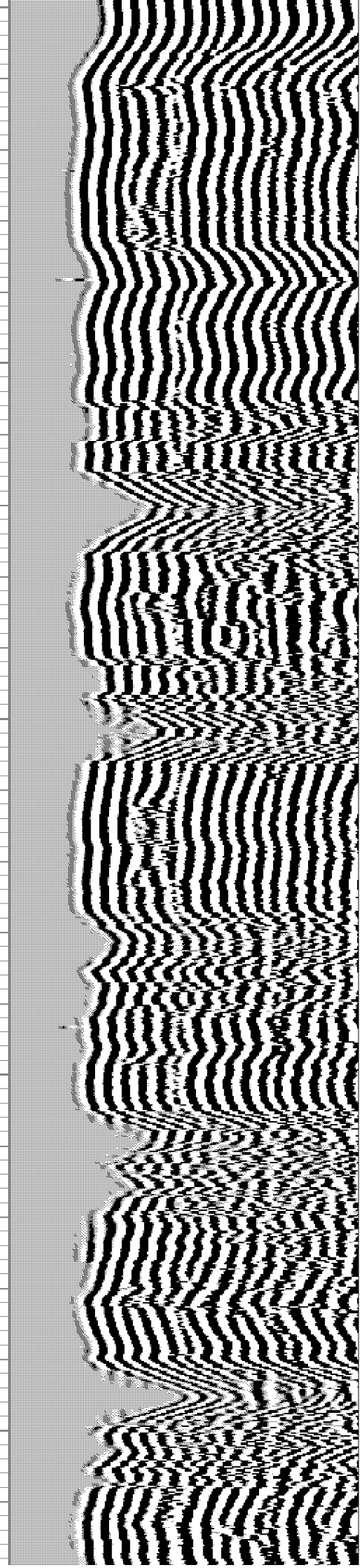
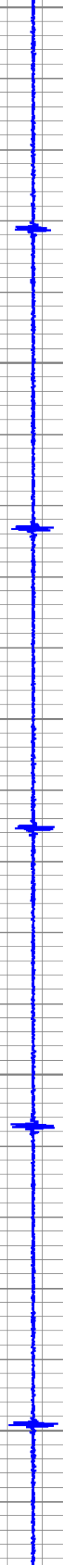
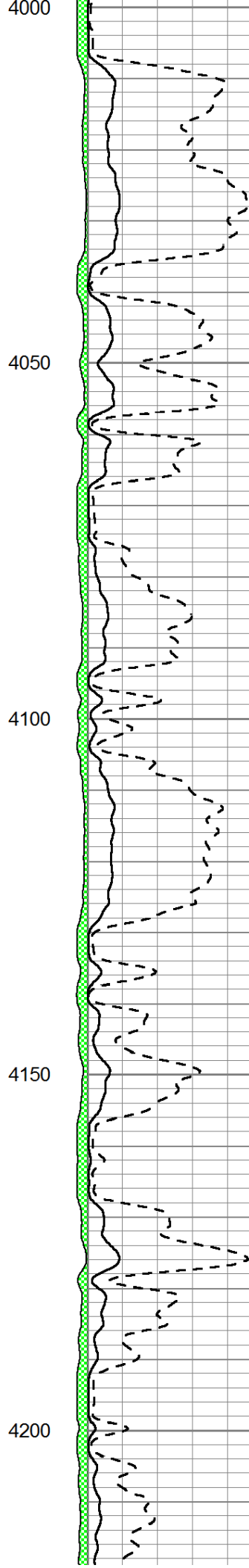
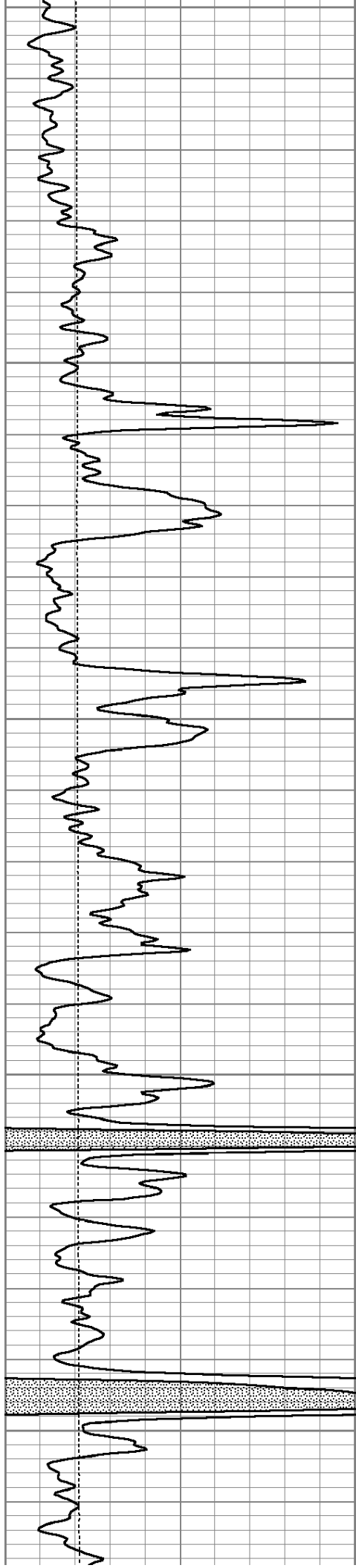
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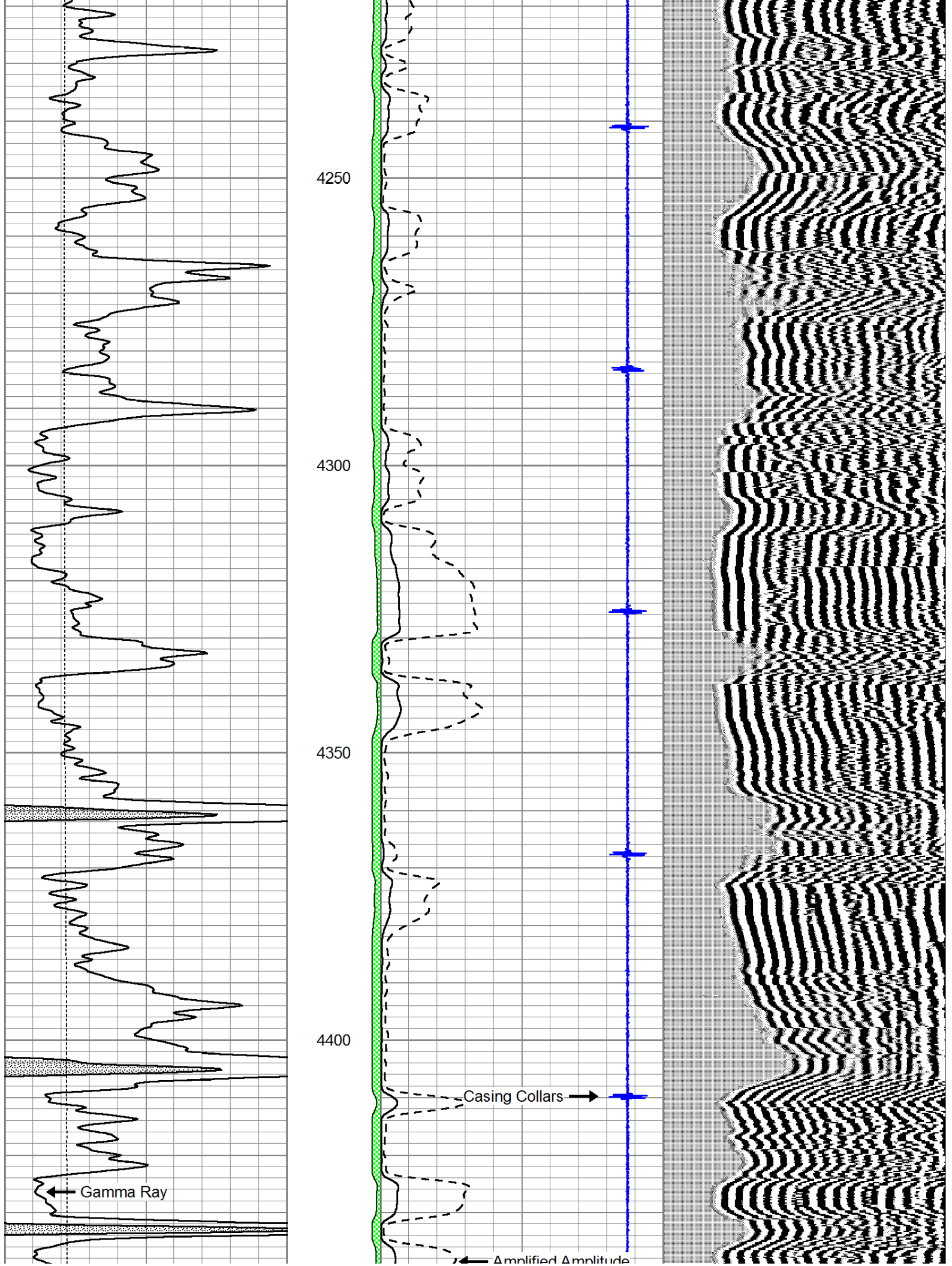
0	GR (GAPI)	150	AMP3	0	Amplitude (mV)	100	200	Variable Density	1200
0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			



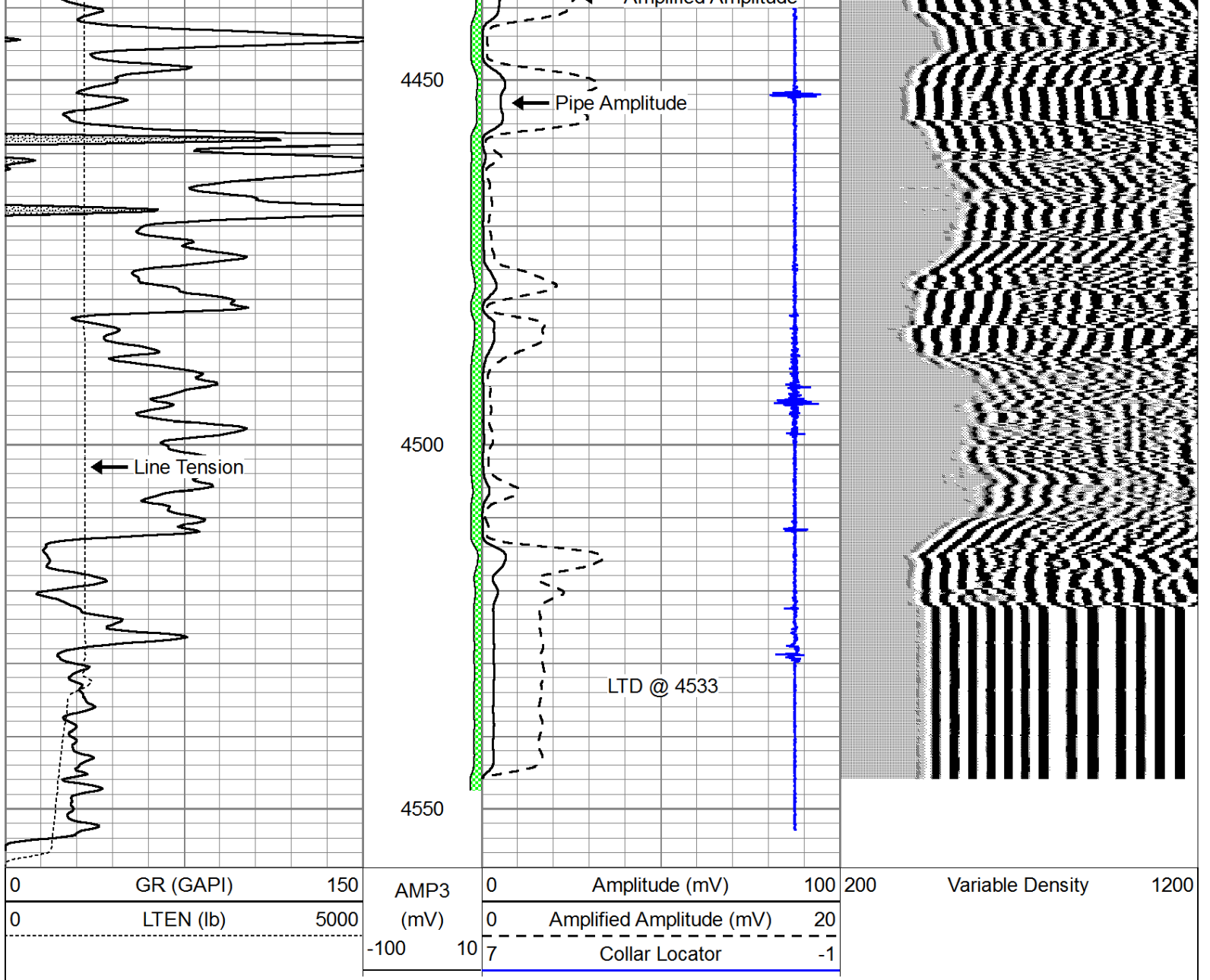








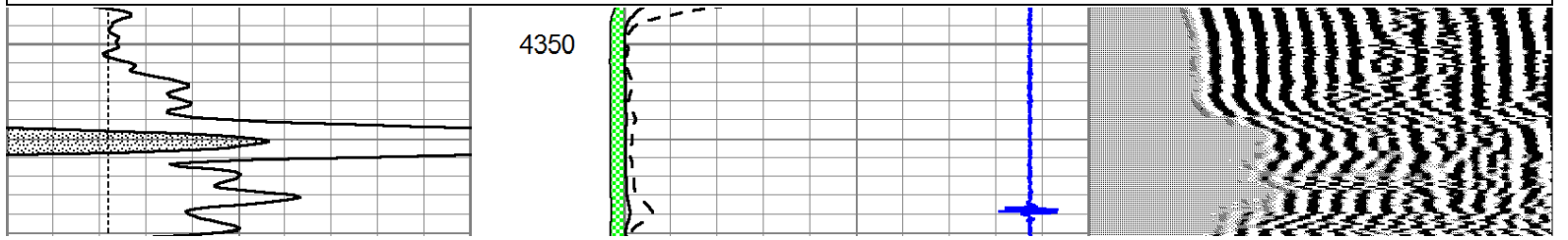


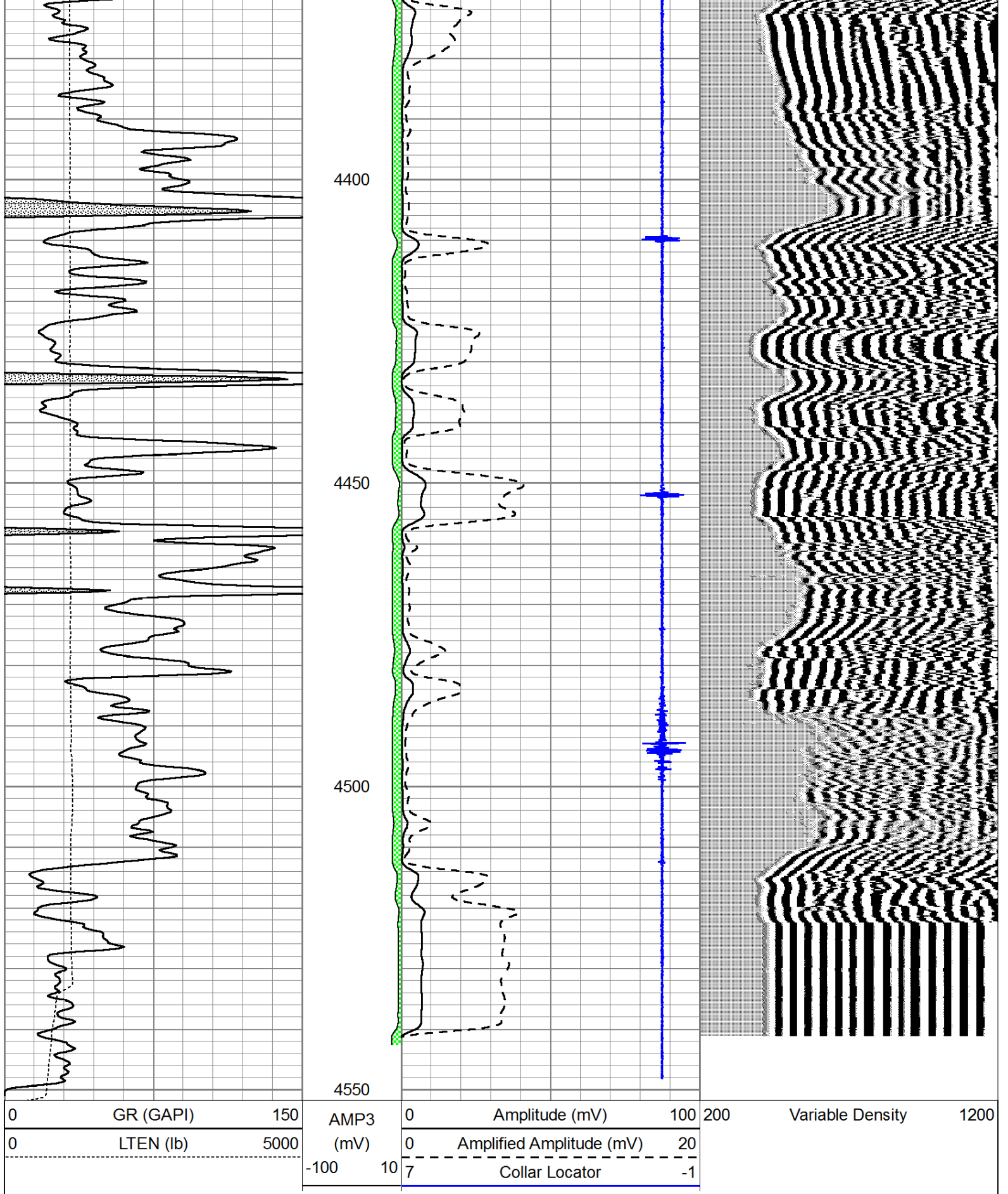


# Repeat Section

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 Charted by: Depth in Feet scaled 1:240

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0	LTEN (lb)	5000	(mV)	0	Amplified Amplitude (mV)	20			
			-100 10	7	Collar Locator	-1			





NUMERICAL  
DIRECT  
INDIRECT  
✓ COMP. ORIG.  
COMPUTER

Register of Deeds  
Deputy  
A.D. 2014 at 1 o'clock M and  
day of February  
This instrument was filed for record on the  
STATE OF KANSAS, LANE COUNTY, SS  
duly recorded in Book 147, Page 38, Register of  
Fee \$20.00 on page 38

**DECLARATION OF POOLING AND  
UNITIZATION OF OIL AND GAS LEASES  
OIL UNIT**

WHEREAS, the undersigned is the operator and lessee of the following described oil and gas leases:

Oil and Gas Lease from Dennille A. Tuttle, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 38, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Dennille A. Tuttle, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 39, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Lon R. Borell and Vicky L. Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 40, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Lon R. Borell and Vicky L. Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 37, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Von L. Borell and Andrea D. Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 41, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Von L. Borell and Andrea D. Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 42, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Mary Lou Borell, a widow, Lessor, to Blue Goose

Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 43, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Mary Lou Borell, a widow, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 44, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Sharen K. Hempler and Brant Hempler, wife and husband, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 45, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Sharen K. Hempler and Brant Hempler, wife and husband, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 46, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Cindy S. Borell, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 48, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Cindy S. Borell, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 47, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Kent David Borell and Carrie Machele Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 49, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Kent David Borell and Carrie Machele Borell, husband and wife, Lessors, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township

Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 50, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Elvern D. Borell, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Southeast Quarter (SE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 52, Register of Deed's office, Lane County, Kansas;

Oil and Gas Lease from Elvern D. Borell, a single person, Lessor, to Blue Goose Drilling Co., Inc., Lessee, covering the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County, Kansas, recorded in Book 147, Page 51, Register of Deed's office, Lane County, Kansas;

WHEREAS, each of said oil and gas leases supplies a right to form oil units not to exceed 40 acres and gas units not to exceed 640 acres to be exercised in writing and recorded in the Register of Deeds Office, Lane County, Kansas, identifying and describing the pooled acreage and declaring the purpose to unitize the same.

NOW, THEREFORE, in unitizing those leases to form a 10 acre oil unit in square form, more particularly as follows:

A ten (10) acre unit in square form the center of which is the Borell E #1 well located 2555 feet from the North line and 645 feet from the East line, of the Northeast Quarter (NE/4) of Section Four (4), Township Eighteen (18) South, Range Twenty-seven (27) West, Lane County

The undersigned does hereby declare and give public pursuant to the terms of said leases.

IN WITNESS WHEREOF, the undersigned has set their hand the 19<sup>TH</sup> day of February, 2014.

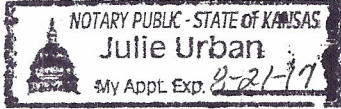
EFFECTIVE date of First Sale.

BLUE GOOSE DRILLING CO., INC.

By:   
MARTIN MILLER, President

STATE OF KANSAS            )  
  ) ss.  
COUNTY OF BARTON        )

ACKNOWLEDGED before me this 19<sup>th</sup> day of February 2014, by Martin Miller, an officer of Blue Goose Drilling Co., Inc.



*Julie Urban*

MY APPOINTMENT EXPIRES

NOTARY PUBLIC