

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1241508
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: _____

1241508

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 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				

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

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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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JAMES C. MUSGROVE

Petroleum Geologist, LLC

212 Main Street

P.O. Box 215

Claflin, KS 67525

Office (620) 588-4250

Res. Claflin (620) 587-3444

Pioneer Oil Company
Leroy Shaw #1
2228' FSL & 2099' FWL
Section 33-8s-28w
Sheridan County, Kansas

Page 1

5 1/2" Production Casing Set

Contractor: Murfin Drilling Co. (rig #16)
Commenced: November 10, 2014
Completed: November 20, 2014
Elevation: 2703' K.B., 2701' D.F., 2698' G.L.
Casing program: Surface; 8 5/8" @ 220'
Production, 5 1/2" @ 4119'
Sample: Samples saved and examined 3200' the Rotary Total Depth.
Drilling time: One (1) foot drilling time recorded and kept 3200' to the Rotary Total Depth.
Measurements: All depths measured from the Kelly Bushing.
Drill Stem Tests: There were eleven (11) Drill Stem Tests ran by Trilobite Testing Co.
Electric Log: By Pioneer Energy Services Dual Induction, Dual Compensated Porosity Log, Micro Resistivity and Sonic.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Anhydrite	2339	+364
Base Anhydrite	2373	+330
Elmont	3483	-780
Howard	3519	-816
Topeka	3570	-867
Heebner	3582	-879
Toronto	3804	-1101
Lansing	3820	-1117
Base Kansas City	4053	-1350
Rotary Total Depth	3700	-1843
Log Total Depth	3700	-1843

All tops and zones corrected to Electric Log Measurement.

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

ELMONT SECTION

3483-3493' Limestone, tan, gray, fossiliferous, fair vuggy porosity, black and dark brown stain, trace of free oil and questionable odor in fresh samples.

Drill Stem Test #1 3488-3496
--misrun—plugged tool and anchor

3503-3511' Limestone, white, gray, finely crystalline, slightly chalky, scattered pinpoint porosity, trace dark brown stain, no show of free oil and no odor.

HOWARD SECTION

3519-3530' Limestone, white, gray, finely crystalline, fossiliferous in part, fair porosity, dark brown to brown stain, trace free oil (heavy –black-) trace of free oil and no odor.

HOWARD 'B' SECTION

3536-3550' Limestone, gray, finely crystalline, chalky, few medium crystalline, black and brown stain, no show of free oil; plus iron pyrite.

HOWARD 'C' SECTION

3551-3560' Limestone, white, gray, oolitic, chalky, black stain, trace of free oil (black) and no odor in fresh samples.

Drill Stem Test #2 3527-3567

Times: 10-30-60-90

Blow: Weak

**Recovery: 10' gas in pipe
10' muddy oil
(92% oil; 8% mud)
40' oil and gas cut mud
(2% gas; 12% oil; 86% mud)**

**Pressures: ISIP 1094 psi
FSIP 1070 psi
IFP 15-24 psi
FFP 27-33 psi
HSH 1712-1689 psi**

TOPEKA SECTION

3570-3580' Limestone, white, gray, slightly fossiliferous, chalky, black stain, no free oil and no odor in samples.

3580-3590' Limestone, white, gray, fossiliferous, sparry calcite cement, no shows.

- 3601-3610' Limestone, tan, gray, finely crystalline, granular, chalky in part; brown and gray stain, show of free oil and no odor in fresh samples.
- 3626-3631' Limestone, gray, white, fossiliferous, fair porosity, dark brown/brown stain, fair to good show of free oil and no odor in fresh samples.
- 3643-3660' Limestone, white, cream, finely crystalline, few medium crystalline, dolomitic in part, no shows.
- 3706-3716' Limestone, white, gray, finely crystalline, chalky, trace black stain, trace of free oil and no odor in fresh samples.

PLATTSMOUTH SECTION

- 3741-3747' Limestone, gray, white, oolitic, chalky in part; fair stain and saturation, show of free oil and good odor in fresh samples.

Drill Stem Test #3

3734-3754

Times: 10-30-60-90

Blow: Strong

**Recovery: 565' gas in pipe
210' clean oil
415' slightly mud cut gassy oil
(22% gas; 76% oil; 2% mud)
90' very slightly oil and gas cut muddy water
(3% gas; 3% oil; 45% water; 49% mud)**

**Pressures: ISIP 1163 psi
FSIP 1174 psi
IFP 36-68 psi
FFP 76-241 psi
HSH 1864-1835 psi**

- 3758-3770' Limestone, gray, tan, fossiliferous/oolitic, fair porosity, fair stain and saturation, fair show of free oil and fair to good odor in fresh samples.

TORONTO SECTION

- 3804-3810' Limestone, tan, oolitic/fossiliferous, fair porosity, light brown to golden brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #4 **3780-3813**

Times: 10-30-15-60

Blow: Strong

**Recovery: 1170' gas in pipe
25' slightly mud cut gassy oil
(17% gas; 81% oil; 2% mud)
955' slightly mud cut gassy oil
(33% gas; 63% oil; 4% mud)
120' oil and gas cut mud
(13% gas; 22% oil; 65% mud)**

**Pressures: ISIP 654 psi
FSIP 652 psi
IFP 169-266 psi
FFP 290-415 psi
HSH 1892-1839 psi**

LANSING SECTION

3820-3829' Limestone, tan, gray highly oolitic, chalky, brown and golden brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test #5 **3813-3823**

Times: 10-30-60-90

Blow: Weak building

**Recovery: 65' gas in pipe
35' slightly mud cut gassy oil
(2% gas; 95% oil; 3% mud)
80' oil and gas cut mud
(9% gas; 16% oil; 75% mud)
15' oil and gas cut muddy water
(5% gas; 13% oil; 27% water; 55% mud)
45' slightly oil and gas cut muddy water
(12% gas; 5% oil; 50% water; 33% mud)**

**Pressures: ISIP 668 psi
FSIP 667 psi
IFP 57-81 psi
FFP 64-93 psi
HSH 1895-1862 psi**

3853-3860' Limestone, white, gray, finely crystalline, finely oolitic, fossiliferous, scattered porosity, brown and gray stain, show of free oil and fair to good odor in fresh samples.

Drill Stem Test #6 **3840-3861**

Times: 10-30-45-90

Blow: Fair to good

**Recovery: 250' gas in pipe
120' gassy oil
10' slightly mud cut oil
(2% gas; 95% oil; 3% mud)
110' gassy oil cut mud
(14% gas; 11% oil; 75% mud)**

**Pressures: ISIP 911 psi
FSIP 863 psi
IFP 52-58 psi
FFP 61-108 psi
HSH 1923-1906 psi**

3863-3872' Limestone, white, gray, finely crystalline, oolitic/fossiliferous, fair vuggy and inter-crystalline porosity, fair golden brown stain, show of free oil and faint and fair odor in fresh samples..

Drill Stem Test #7 **3861-3873**

--misrun—packer failure

3900-3906' Limestone, cream, white, fine and medium crystalline, chalky, brown stain, show of free oil and faint odor in fresh samples.

Drill Stem Test # 8 **3880-3906**

Times: 10-30-60-90

Blow: Weak

**Recovery: 40' slightly oil and gas cut mud
(3% gas;3% oil; 94% mud)**

**Pressures: ISIP 1166 psi
FSIP 1134 psi
IFP 15-19 psi
FFP 21-34 psi
HSH 1941-1909 psi**

3953-3958' Limestone, gray, oolitic, slightly chalky, scattered porosity, fair brown stain and saturation, show of free oil and questionable odor in fresh samples.

Drill Stem Test #9 **3926-3966**

Times: 10-30-60-90

Blow: Fair

**Recovery: 135' gas in pipe
50' slightly mud cut oil
(12% gas; 86% oil; 2% mud)
31' oil cut muddy water
(8% gas; 22% oil; 30% water; 40% mud)
31' very slightly oil cut muddy water
(6% gas; 2% oil; 59% water; 33% mud)
120' muddy water, oil spots
(1% oil; 84% water; 15% mud)**

**Pressures: ISIP 1199 psi
FSIP 1194 psi
IFP 17-38 psi
FFP 43-122 psi
HSH 1971-1919 psi**

3984-3988' Limestone, white, gray, chalky; poor visible porosity, poor black tarry stain, no free oil and no odor in fresh samples.

3997-4000' Limestone, white, gray, oolitic, chalky, trace brown and gray stain, no free oil and faint odor in fresh samples.

Drill Stem Test #10 **3981-4010**

--misrun—packer failure

4018-4026' Limestone, white, gray, oolitic/fossiliferous, fair porosity, fair stain and saturation, fair show of free oil and questionable odor in fresh samples.

4041-4050' Limestone, gray, white, highly oolitic, brown stain, trace of free oil and no odor in fresh samples.

Drill Stem Test #11 **3926-3966**

Times: 10-30-60-90

Blow: Good

**Recovery: 1145' gas in pipe
115' clean gassy oil
125' oil and gas cut mud
(18% gas; 2% oil; 53% mud)
60' oil and gas cut mud
(40% gas; 20% oil; 40% mud)**

**Pressures: ISIP 1325 psi
FSIP 1316 psi
IFP 21-52 psi
FFP 49-129 psi
HSH 1973-1934 psi**

Pioneer Oil Company
Leroy Shaw #1
2228' FSL & 2099' FWL
Section 33-8s-28w
Sheridan County, Kansas

Page 7

BASE KANSAS CITY 4053 -1350

Rotary Total Depth	4120
Log Total Depth	4120

Recommendations:

The 5 ½" production casing set and cemented on the Pioneer Oil Company Inc., Leroy Shaw #1;
Section 33-8s-28w, Sheridan County, Kansas.

Respectfully yours,

James C. Musgrove
Petroleum Geologist



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pioneer Oil Co., Inc.

33/8s/28w Sheridan KS

RR #4 Box 142B
Lawrencville, IL 62439

Leroy Shaw #1

Job Ticket: 60795

DST#: 11

ATTN: Jim Musgrove

Test Start: 2014.11.19 @ 17:01:00

GENERAL INFORMATION:

Formation: **LKC "I - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:36:00

Time Test Ended: 00:12:15

Test Type: Conventional Bottom Hole (Reset)

Tester: James Winder

Unit No: 57

Interval: 3960.00 ft (KB) To 4060.00 ft (KB) (TVD)

Reference Elevations: 2703.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

2698.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press@RunDepth: 129.31 psig @ 3961.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.11.19 End Date: 2014.11.20

Last Calib.: 2014.11.20

Start Time: 17:01:05 End Time: 00:12:14

Time On Btm: 2014.11.19 @ 18:35:45

Time Off Btm: 2014.11.19 @ 21:50:30

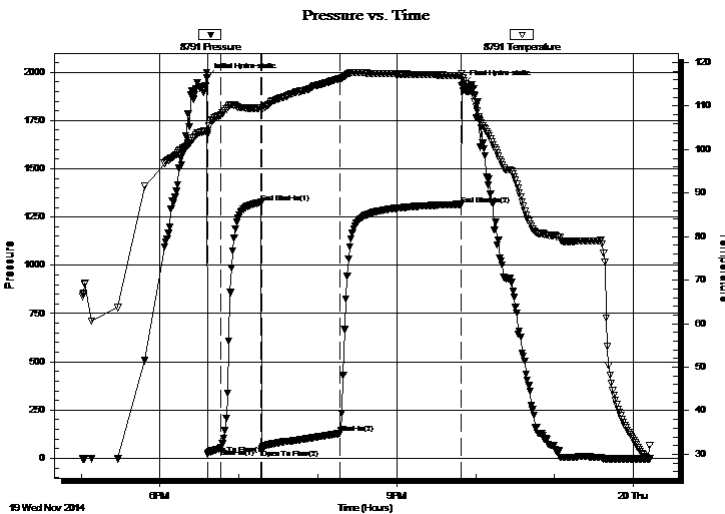
TEST COMMENT: 10 - IF: Blow built to BOB (11") in 8 1/4 min. (Diesel in bucket)

30 - ISI: Blow back built to 1"

60 - FF: Blow built to BOB at 2 3/4 min.

90 - FSI: Blow back built to BOB at 23 min.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1972.86	104.37	Initial Hydro-static
1	20.85	103.46	Open To Flow (1)
11	52.41	107.88	Shut-In(1)
41	1325.21	109.58	End Shut-In(1)
42	49.01	109.06	Open To Flow (2)
101	129.31	116.30	Shut-In(2)
193	1315.88	117.06	End Shut-In(2)
195	1933.82	116.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOCM 40% m, 40% g, 20% o	0.58
125.00	GOCM 53% m, 29% o, 18% g	1.75
115.00	CGO 68% o, 31% g, 1% m	1.61
0.00	GIP = 1145'	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pioneer Oil Co., Inc.

33/8s/28w Sheridan KS

RR #4 Box 142B
Lawrencville, IL 62439

Leroy Shaw #1

Job Ticket: 60795

DST#: 11

ATTN: Jim Musgrove

Test Start: 2014.11.19 @ 17:01:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 65.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 5.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOCM 40%m, 40%g, 20%o	0.577
125.00	GOCM 53%m, 29%o, 18%g	1.753
115.00	CGO 68%o, 31%g, 1%m	1.613
0.00	GIP = 1145'	0.000

Total Length: 300.00 ft Total Volume: 3.943 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 36.4 api @ 28 deg F Corrected Gravity = 39.6 api
Sampler = 510 PSI, 2300 mL CO 99%o, 1%m

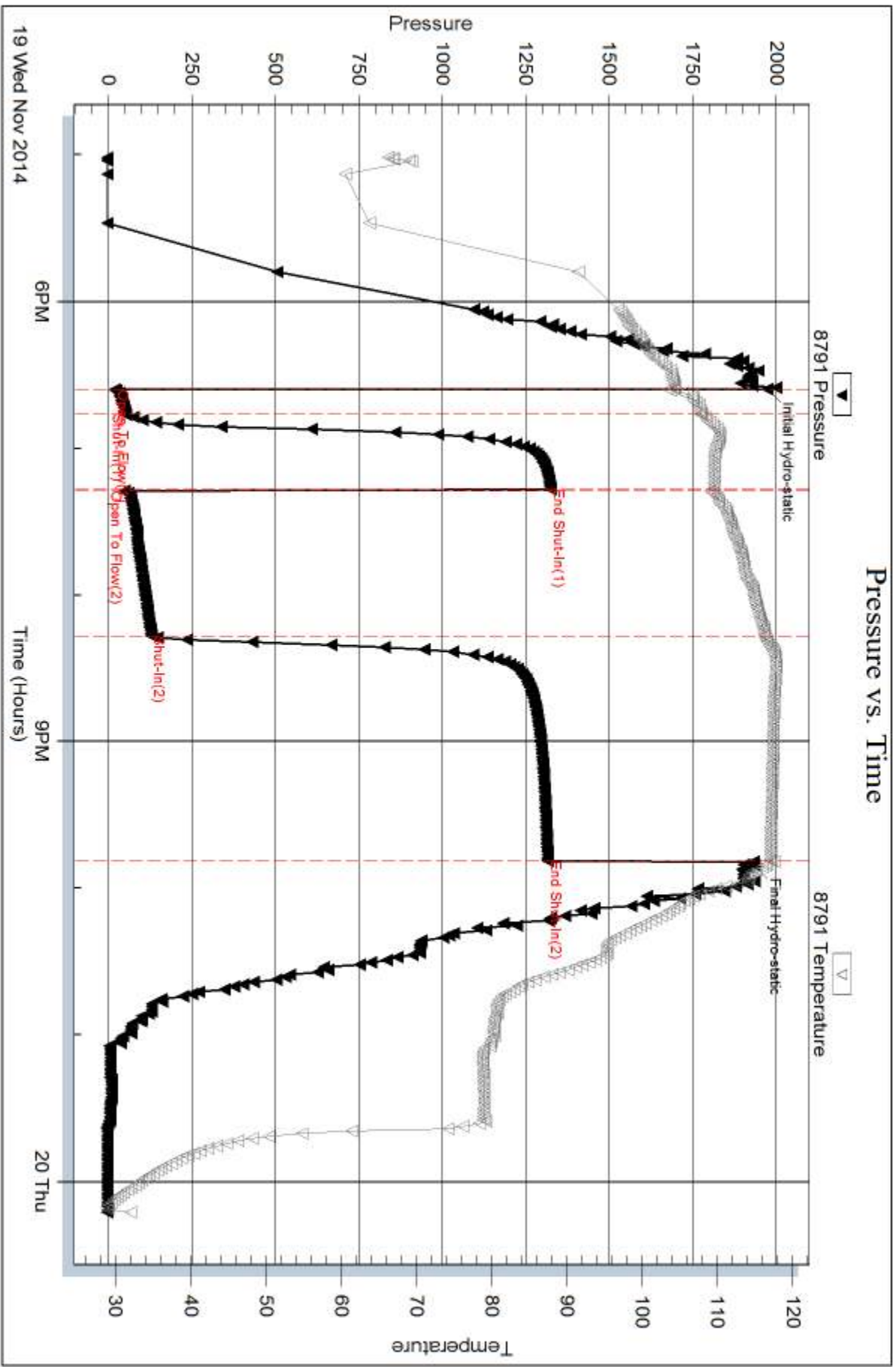
Serial #: 8791

Inside

Pioneer Oil Co., Inc.

Leroy Shaw #1

DST Test Number: 11





Pioneer Energy Services

Dual Induction Log

API No.	15-179-21,358-00-00	
Company	Pioneer Oil Company, Inc.	
Well	Leroy Shaw No. 1	
Field		
County	Sheridan	State
		Kansas
Location	2,228' FSL & 2,099' FWL	
Sec: 33	Twp: 8S	Rge: 28W
Permanent Datum	Ground Level	Elevation 2698
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL/BHCS
		Elevation K.B. 2703 D.F. G.L. 2698

Date	11/20/2014
Run Number	One
Depth Driller	4120
Depth Logger	4120
Bottom Logged Interval	4119
Top Log Interval	200
Casing Driller	8.625 @ 220
Casing Logger	216
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	2000
Density / Viscosity	8.9 82
pH / Fluid Loss	11.0 5.6
Source of Sample	Flowline
Rm @ Meas. Temp	.75 @ 54
Rmf @ Meas. Temp	.56 @ 54
Rmc @ Meas. Temp	1.01 @ 54
Source of Rmf / Rmc	Charts
Rm @ BHT	.35 @ 117
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	117
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Jim Musgrove

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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

Hoxie, 4 South to 45 Road, 1/2 West, North Into

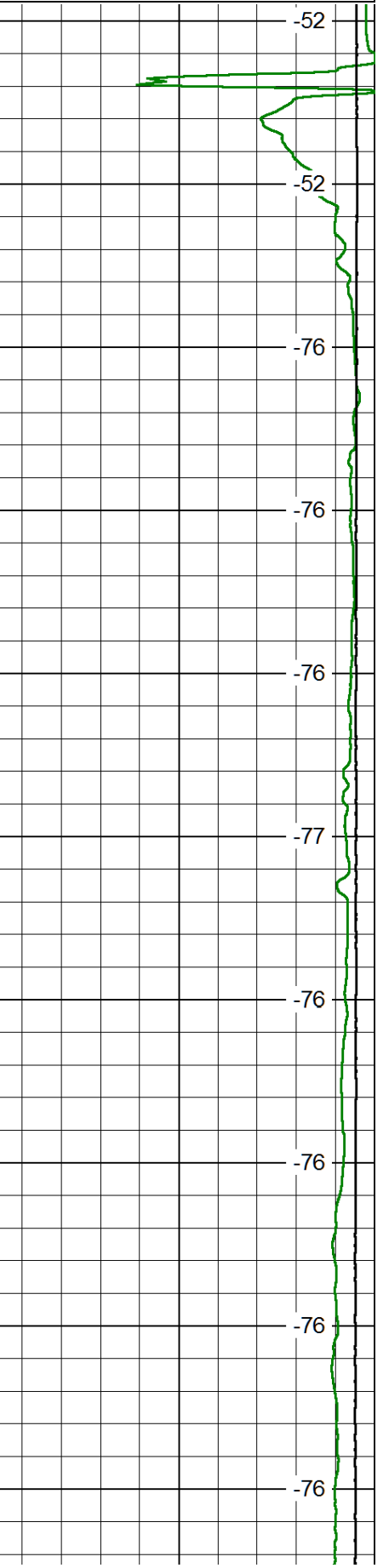
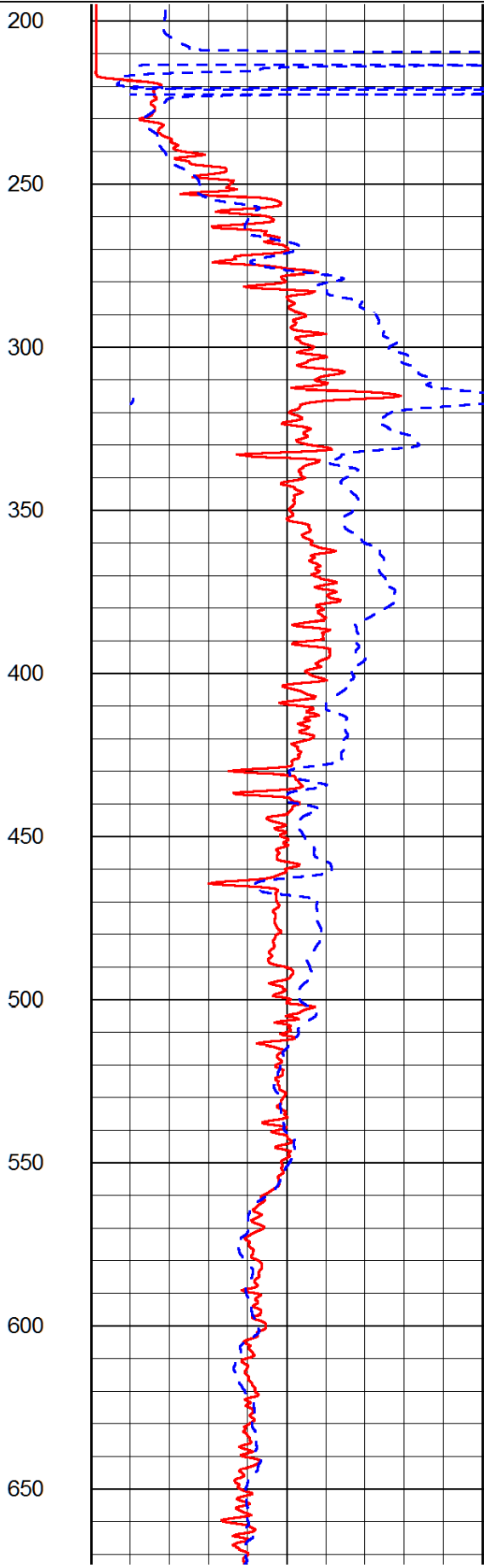
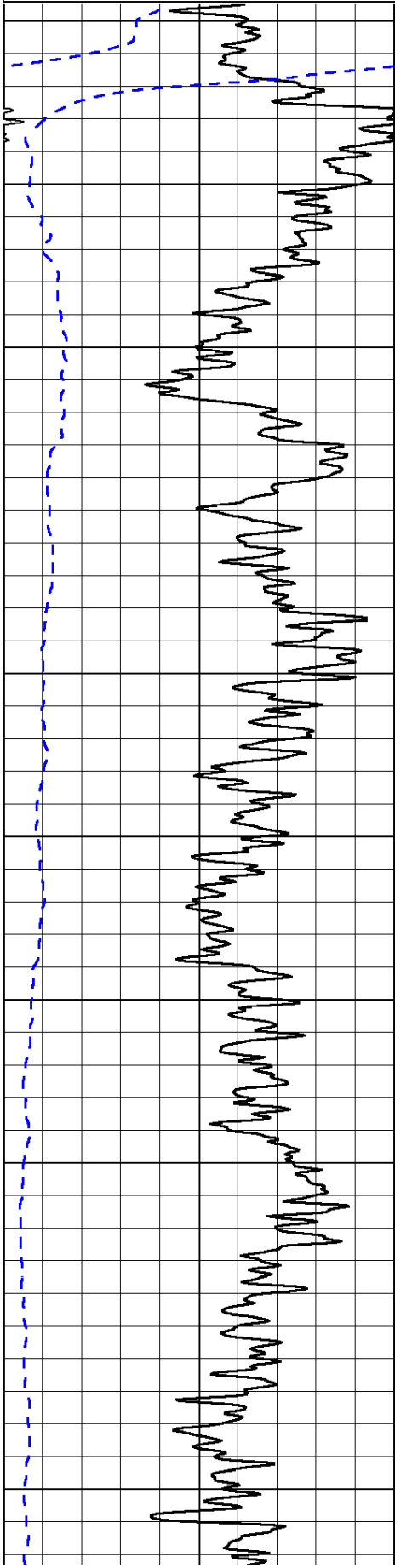
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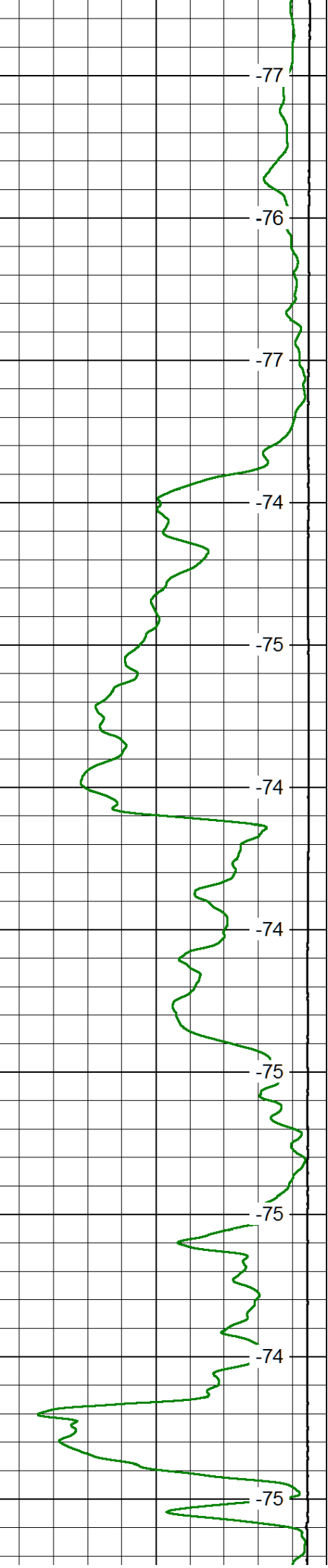
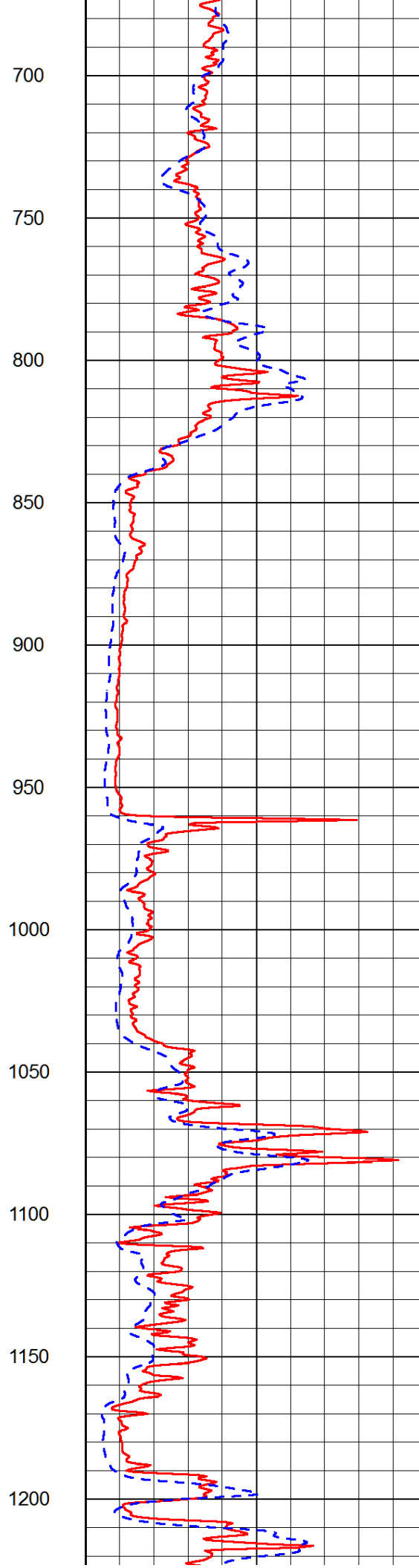
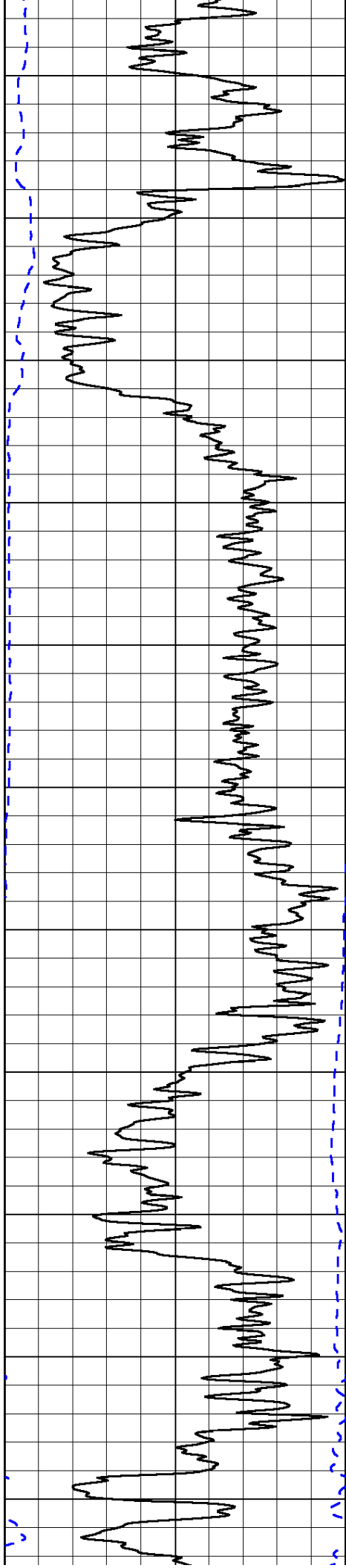
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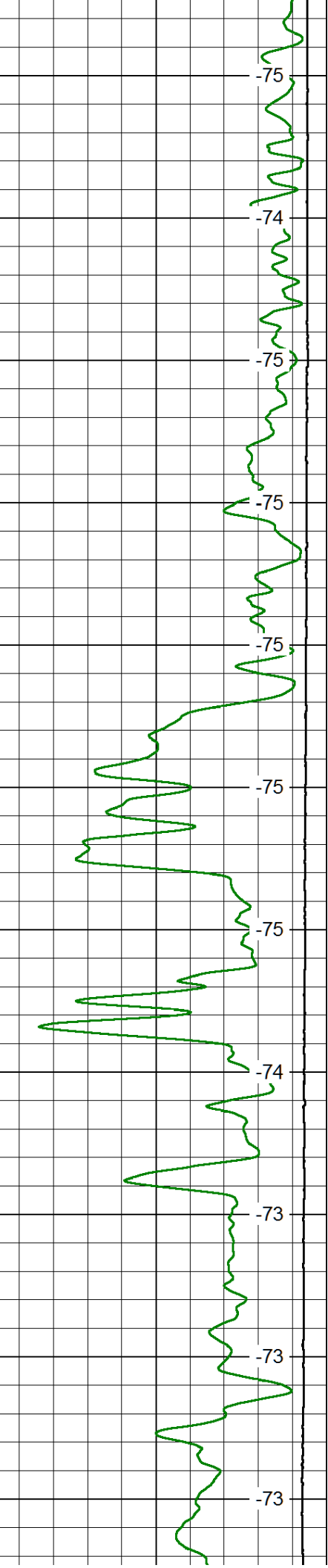
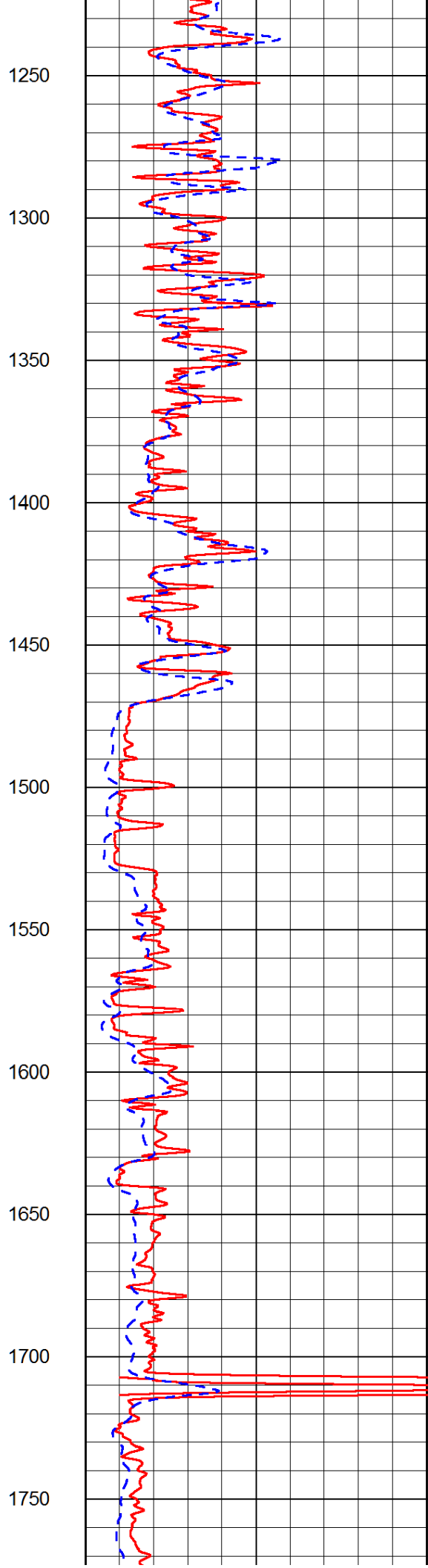
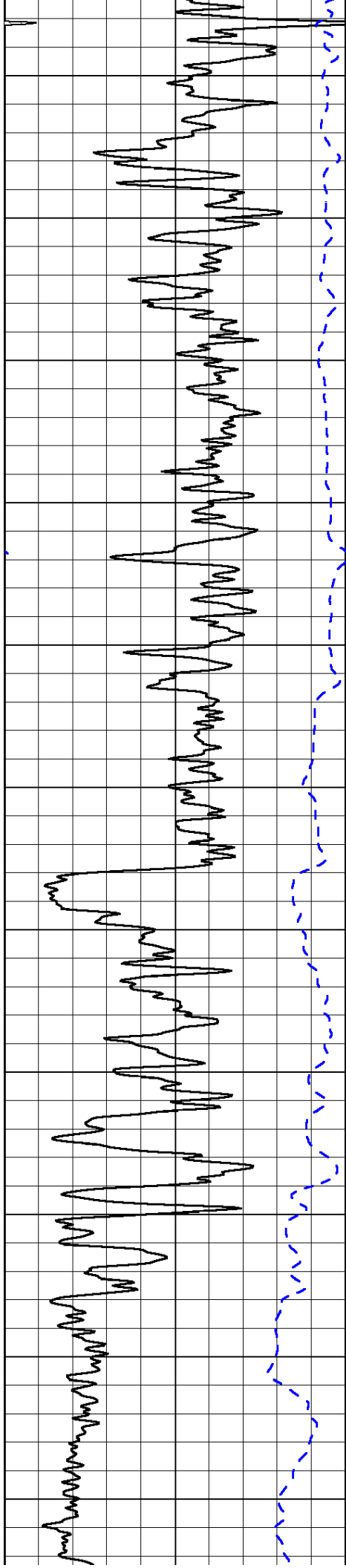
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1000	Conductivity	0
15000	Line Tension	0

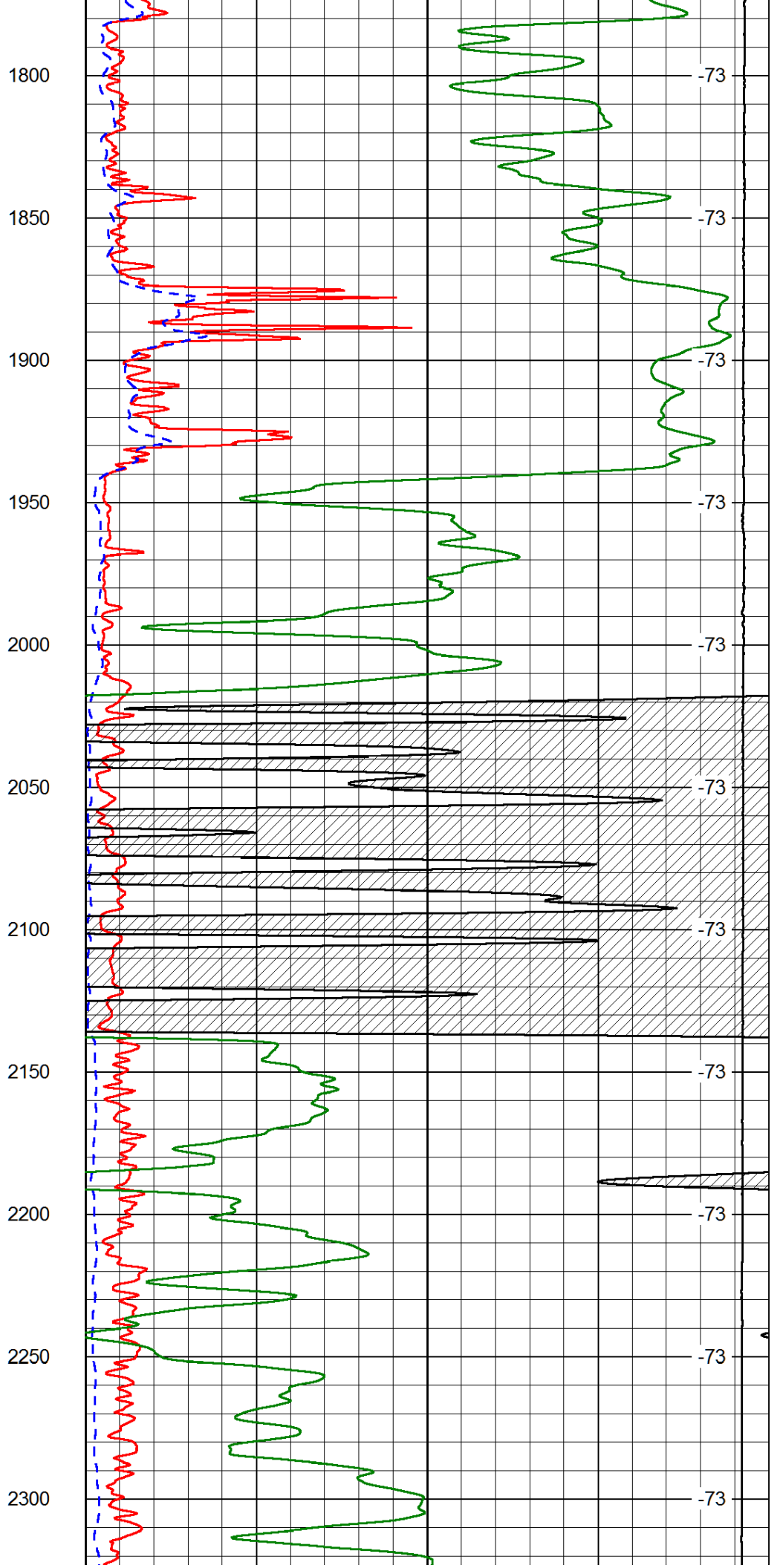
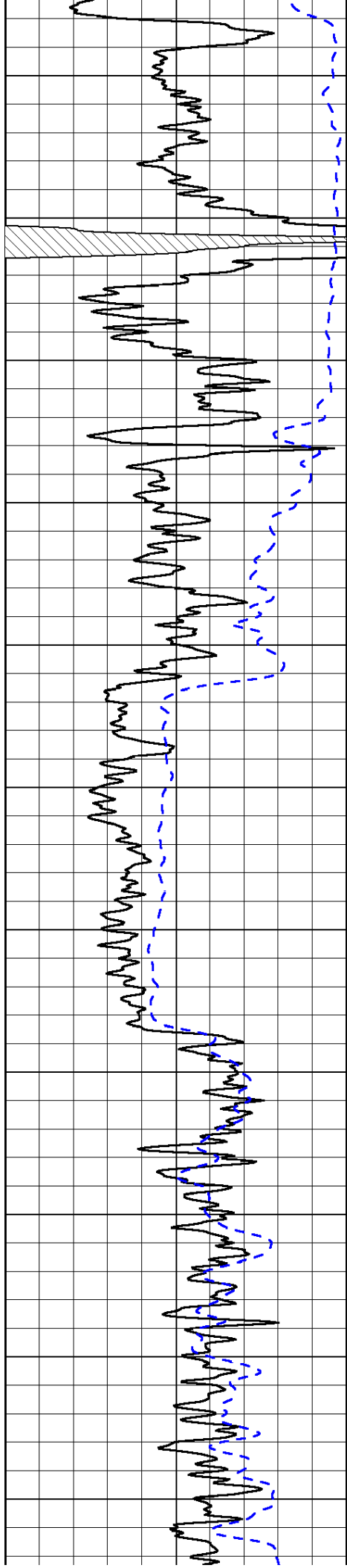
LSPD

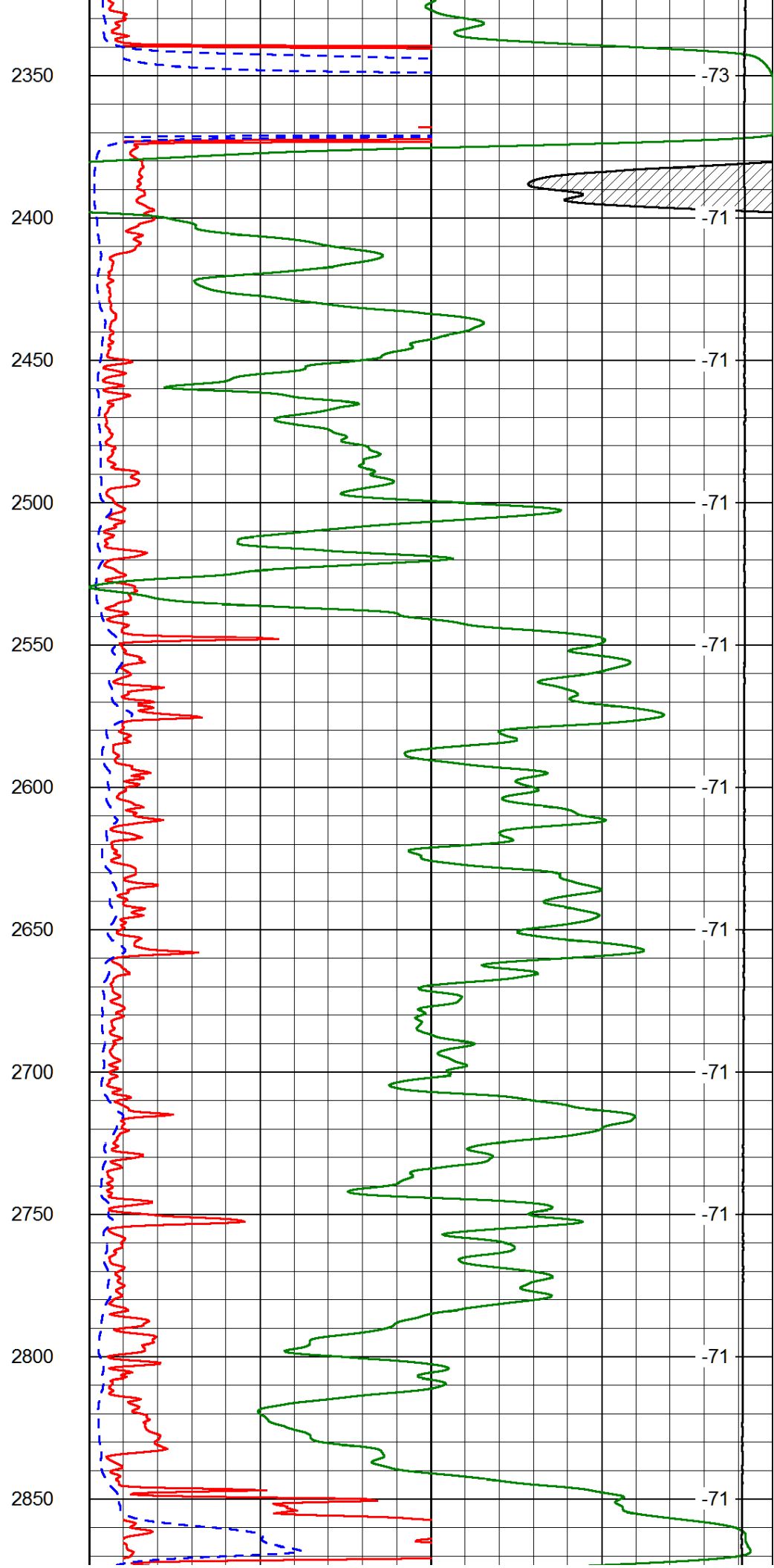
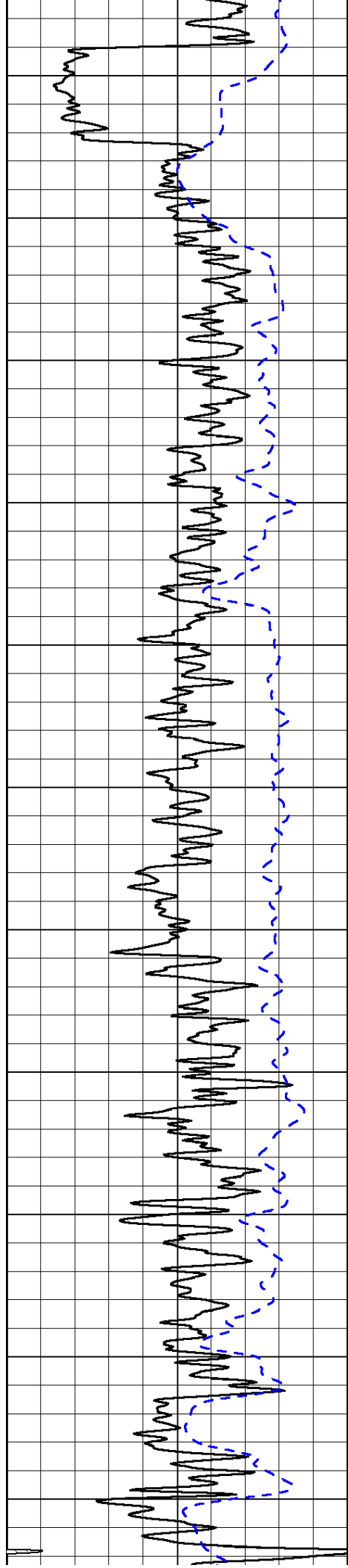
50	Shallow Resistivity	500
50	Deep Resistivity	500

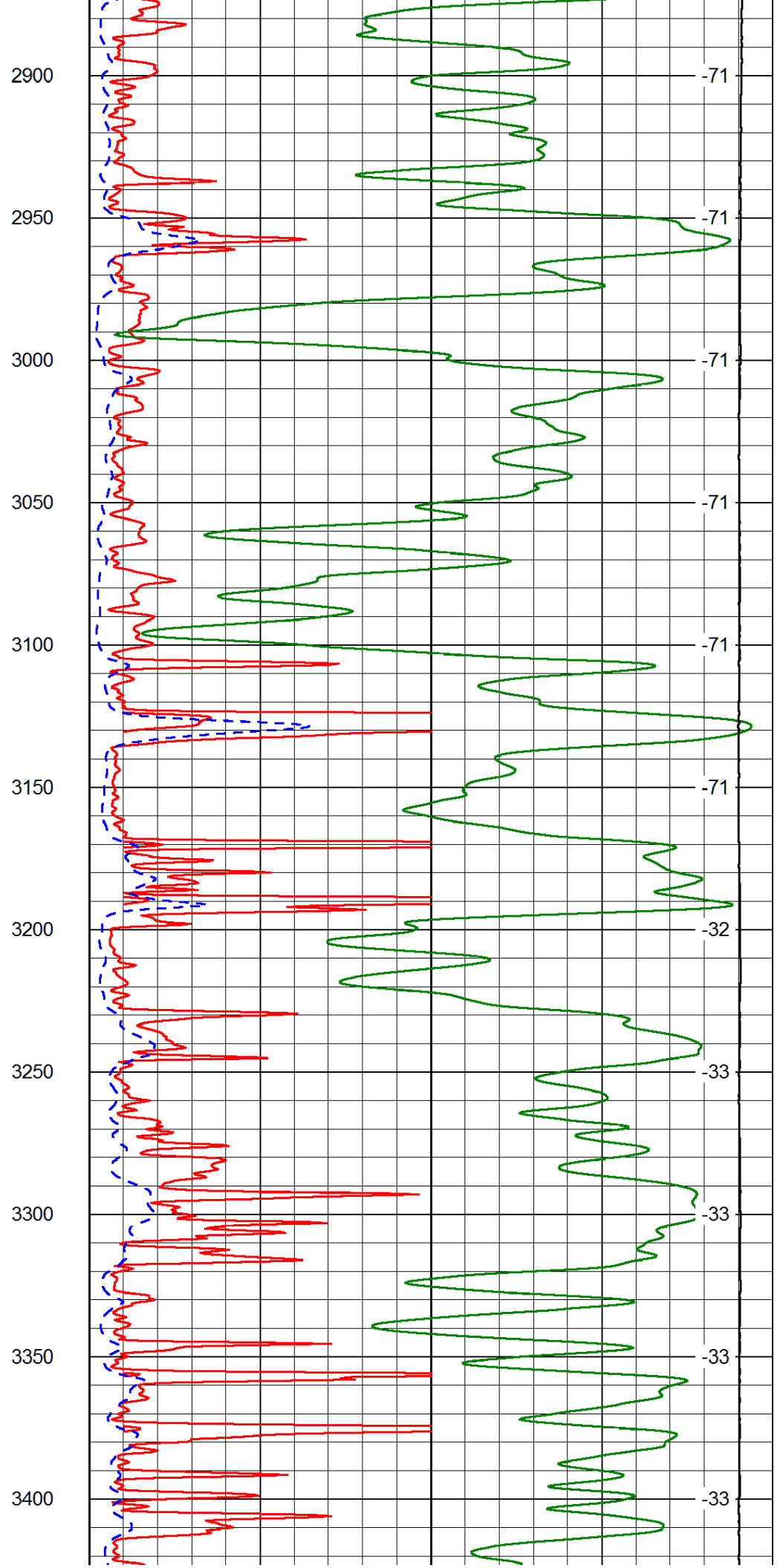
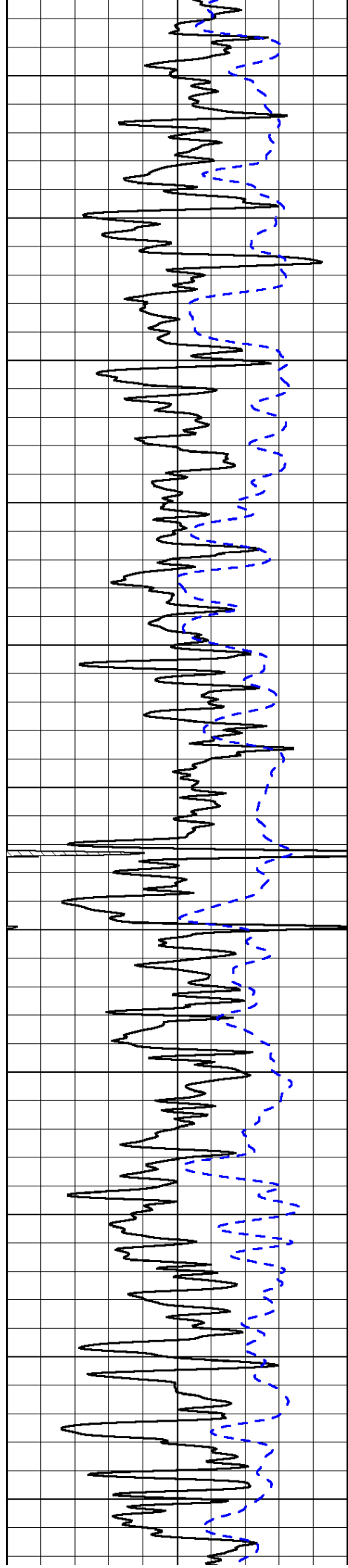


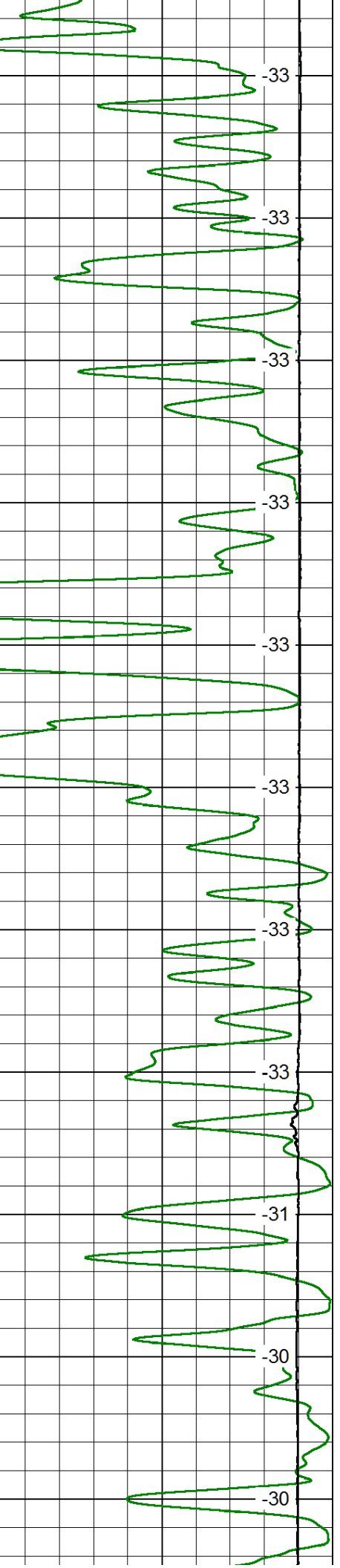
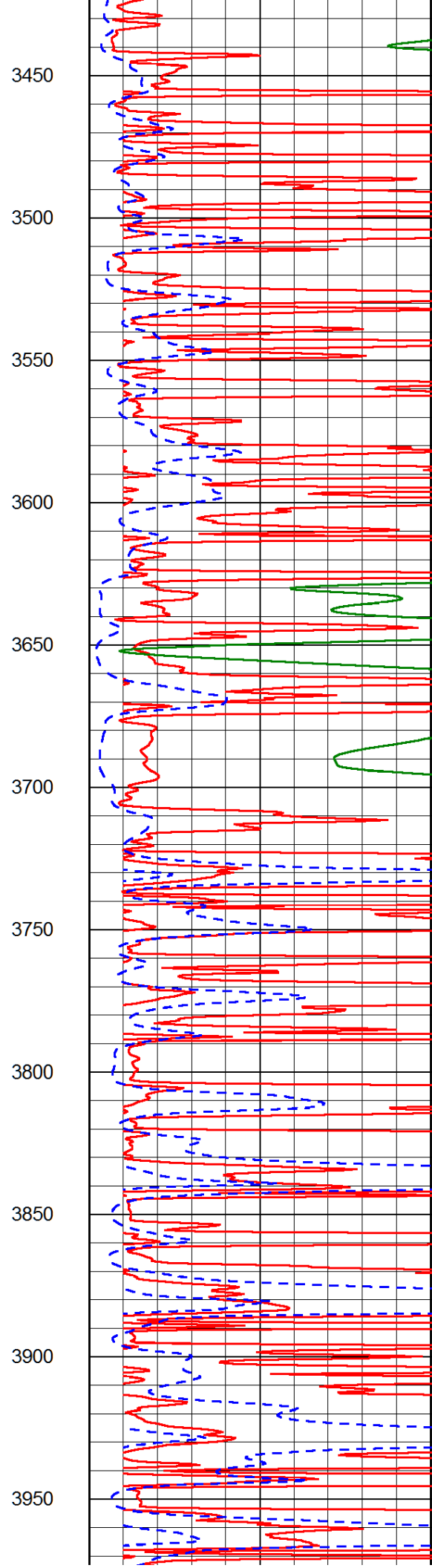
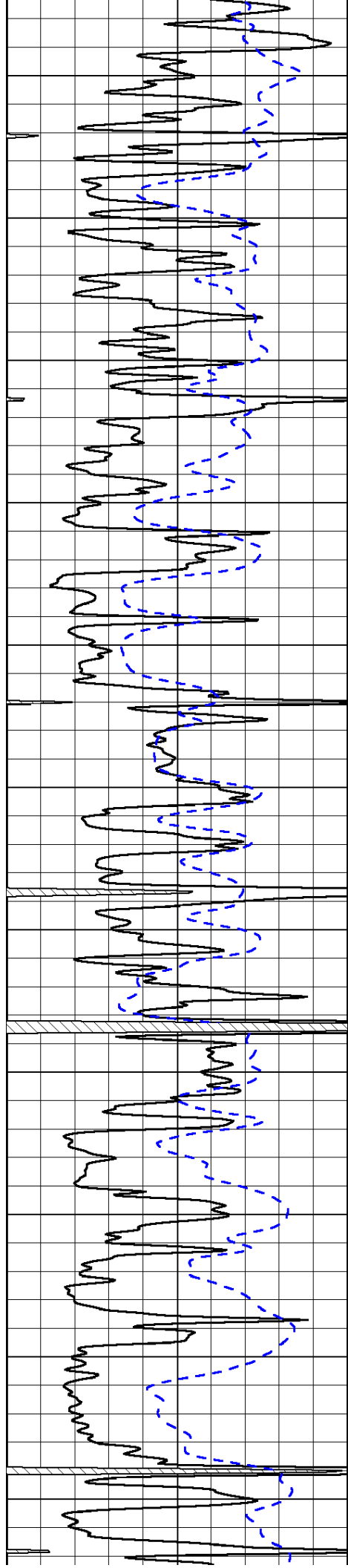


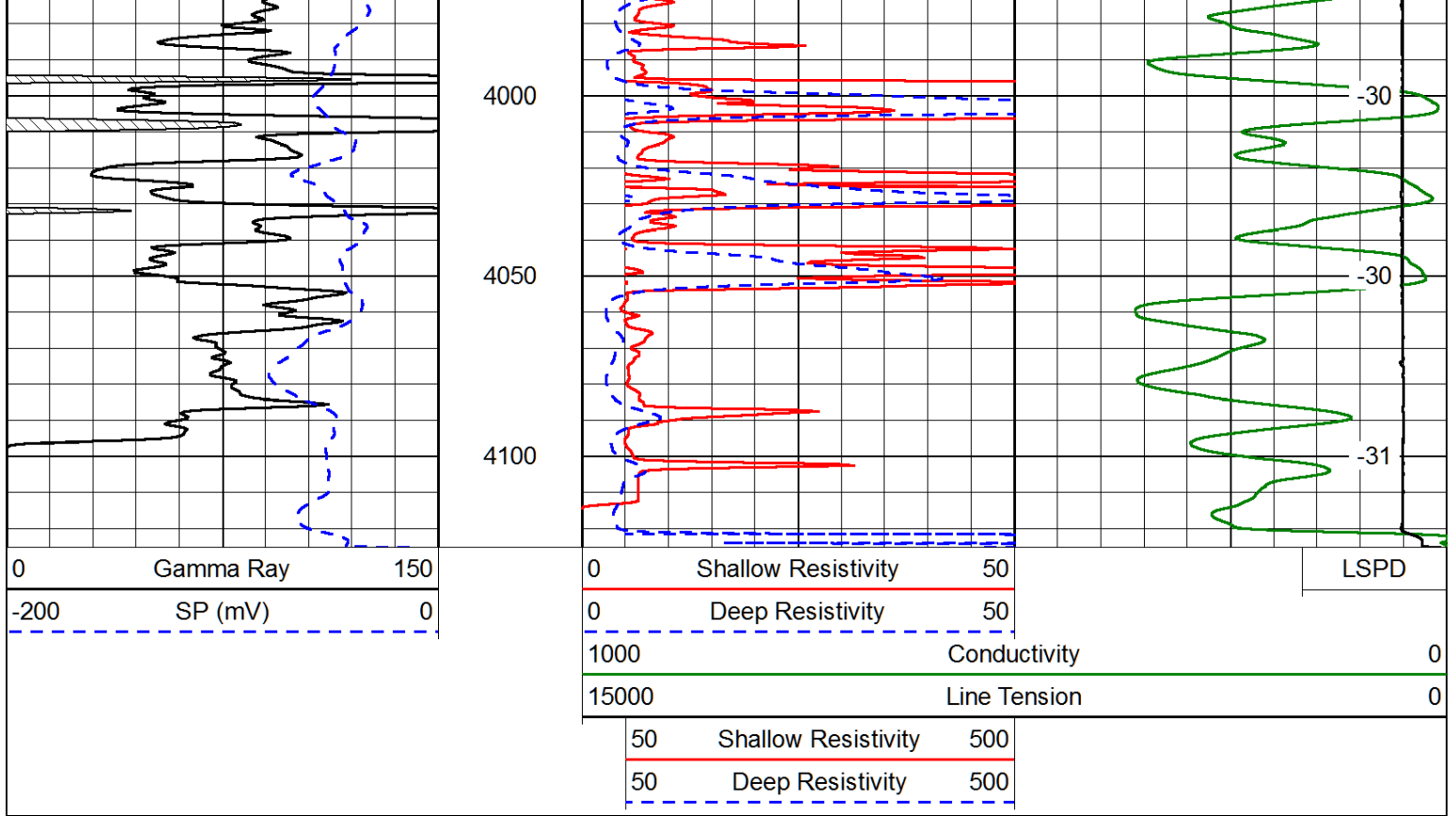




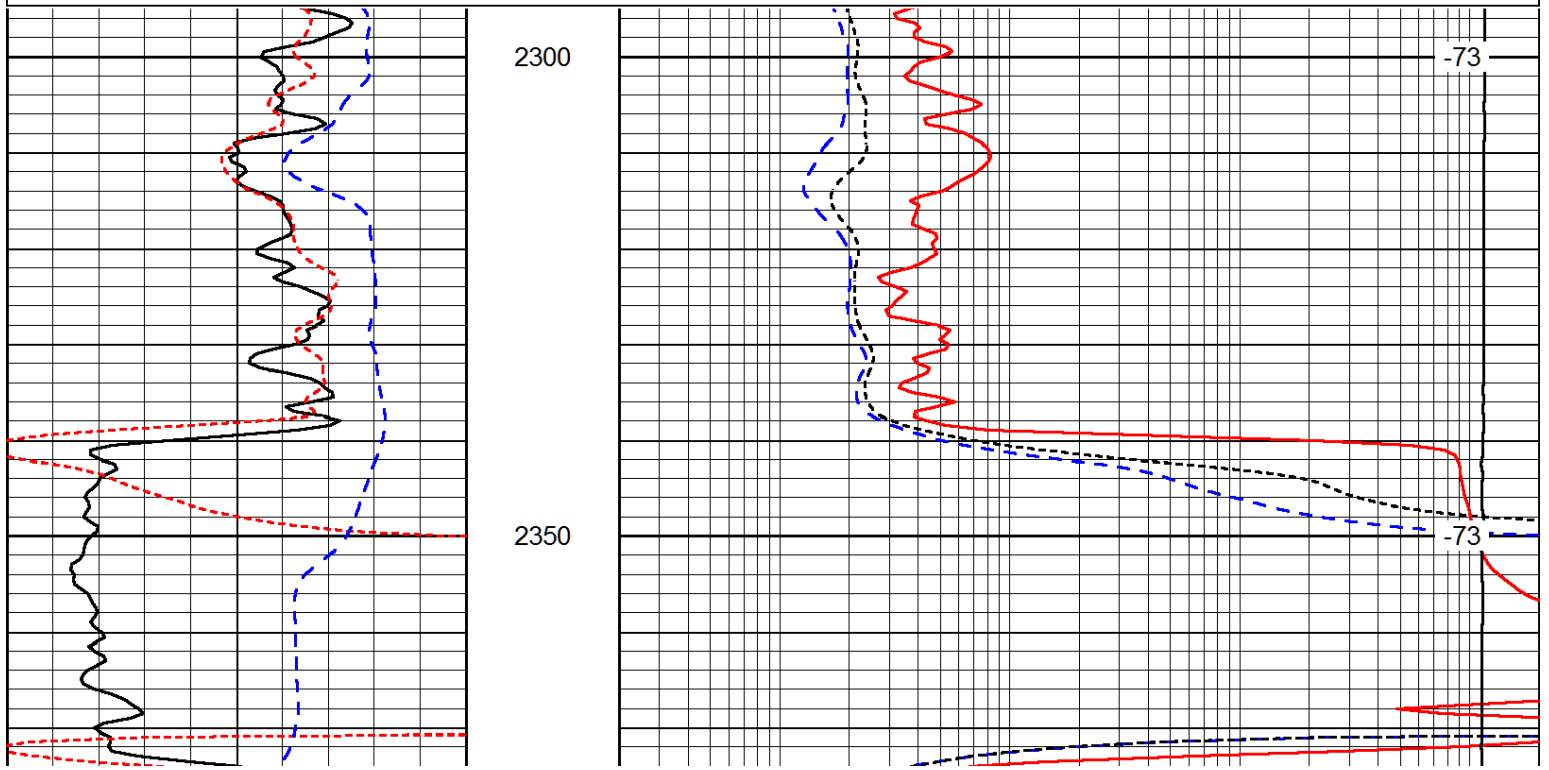
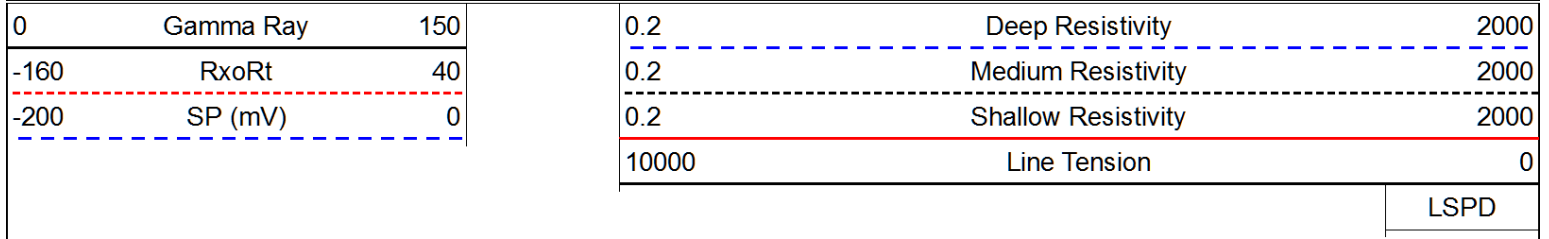


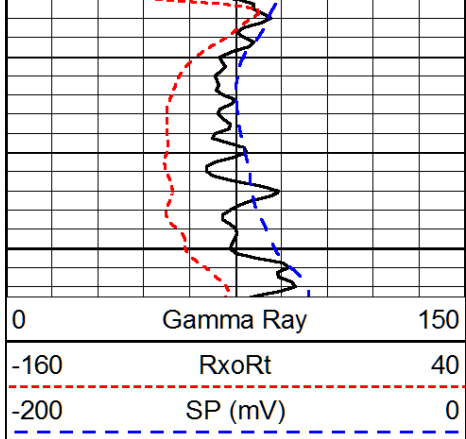




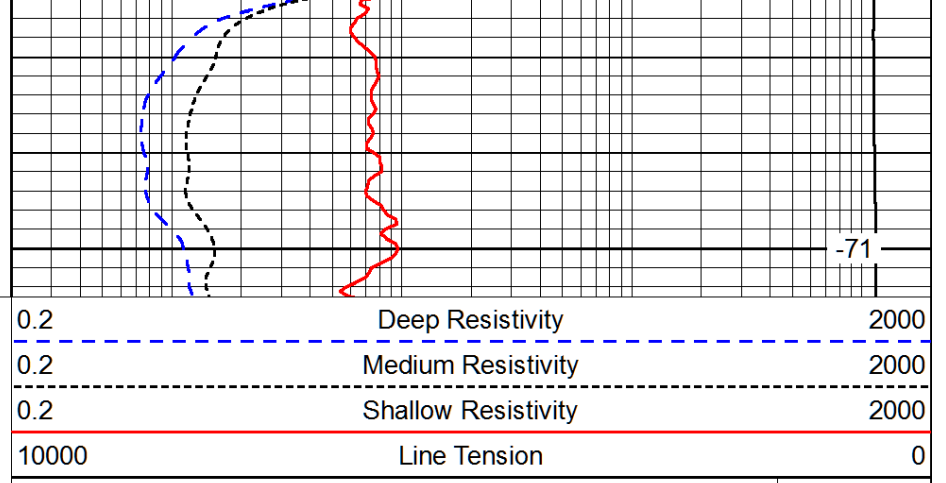


Database File: pioneer_leroyshaw_1hd.db
 Dataset Pathname: dil/pionstck
 Presentation Format: dil
 Dataset Creation: Thu Nov 20 10:04:14 2014
 Charted by: Depth in Feet scaled 1:240





2400



-71

0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

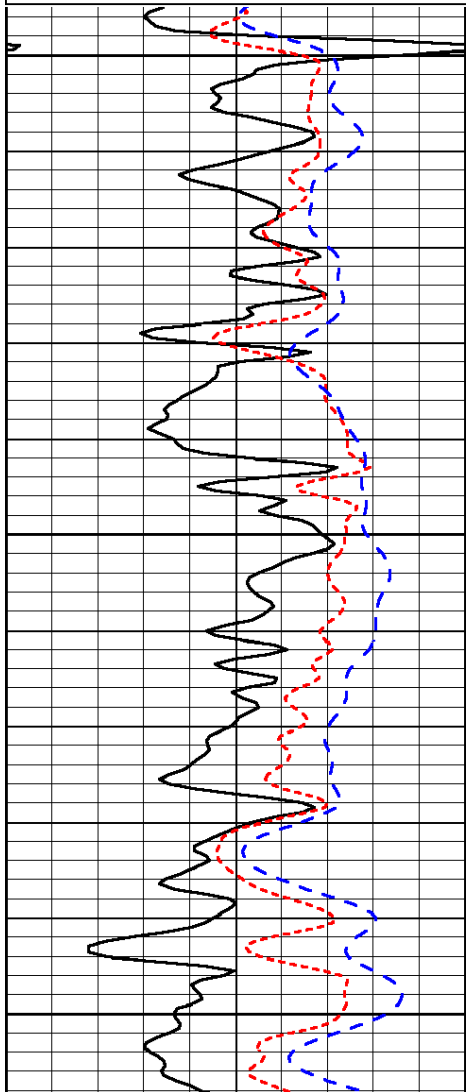
LSPD

Database File: pioneer_leroyshaw_1hd.db
 Dataset Pathname: dil/pionstck
 Presentation Format: dil
 Dataset Creation: Thu Nov 20 10:04:14 2014
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

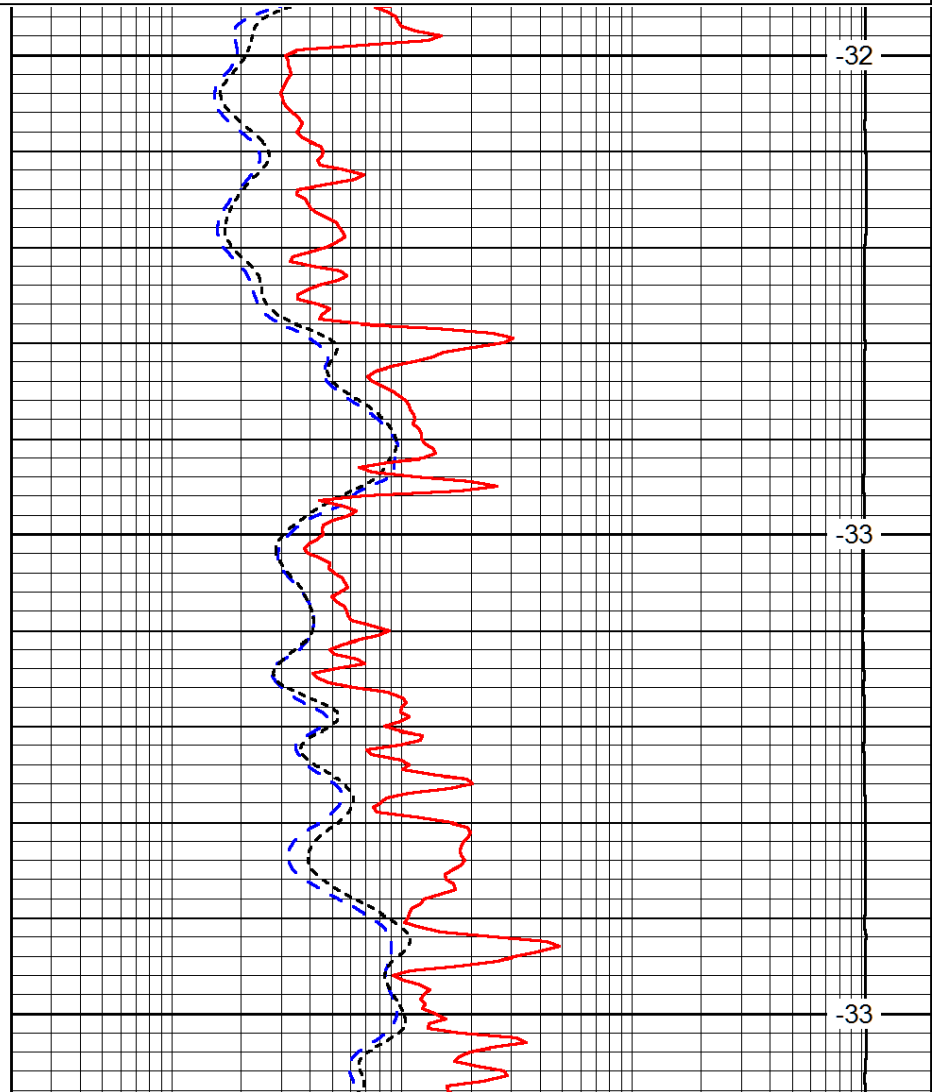
LSPD



3200

3250

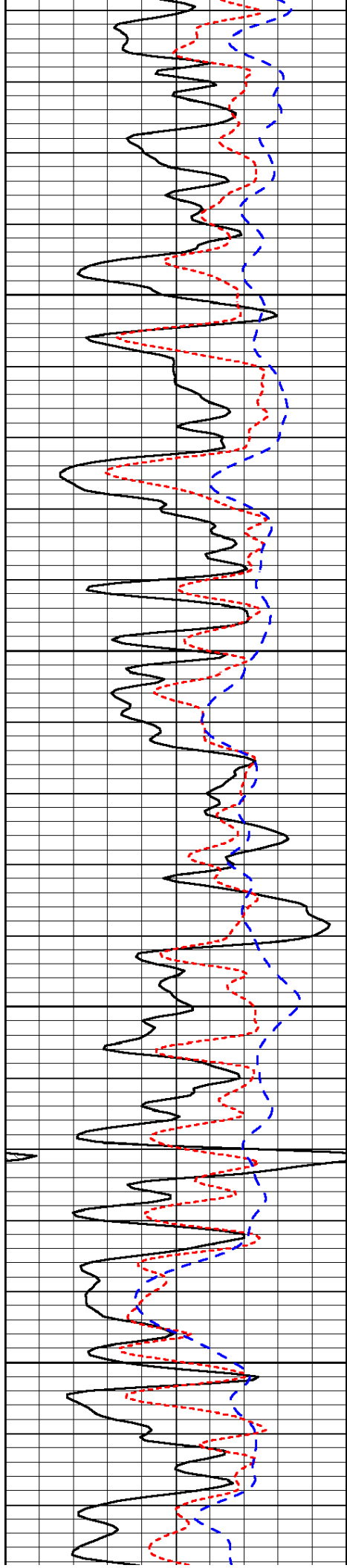
3300



-32

-33

-33

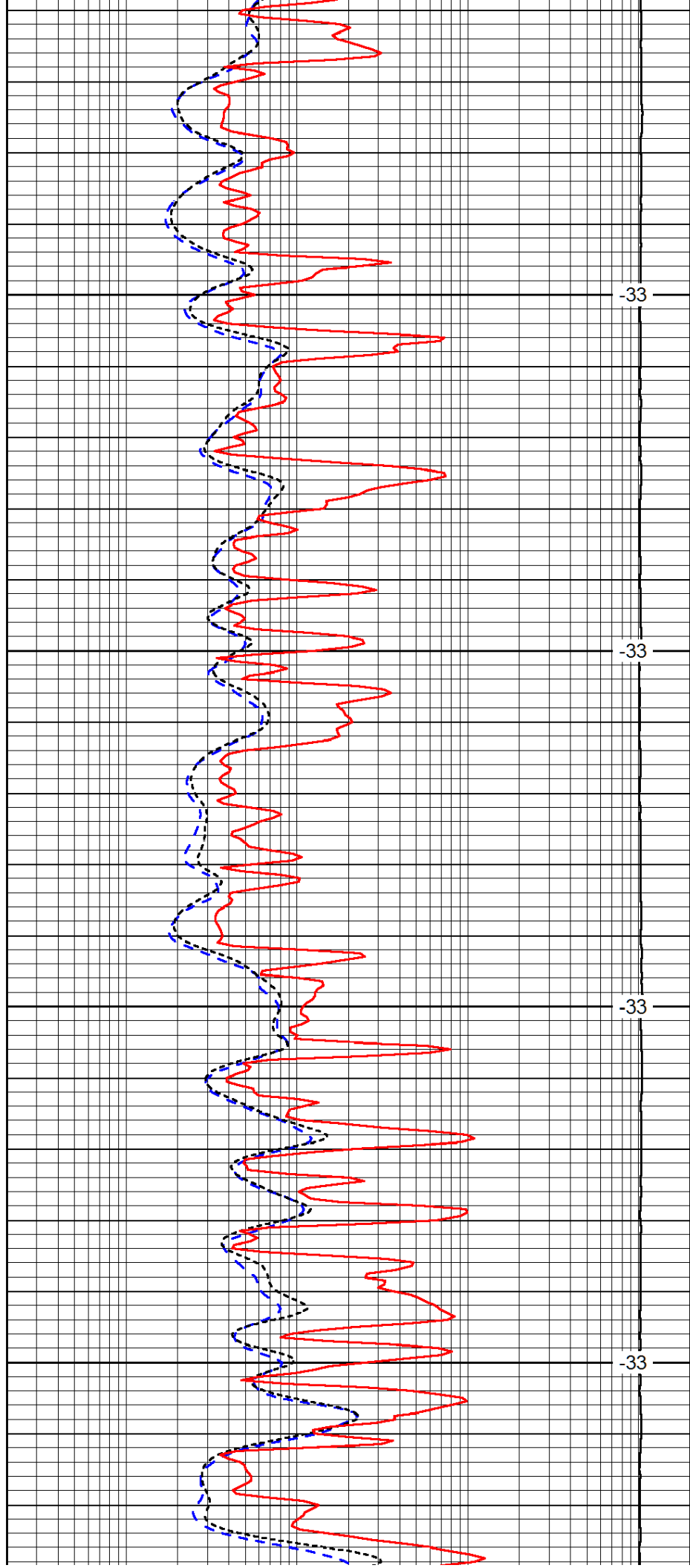


3350

3400

3450

3500

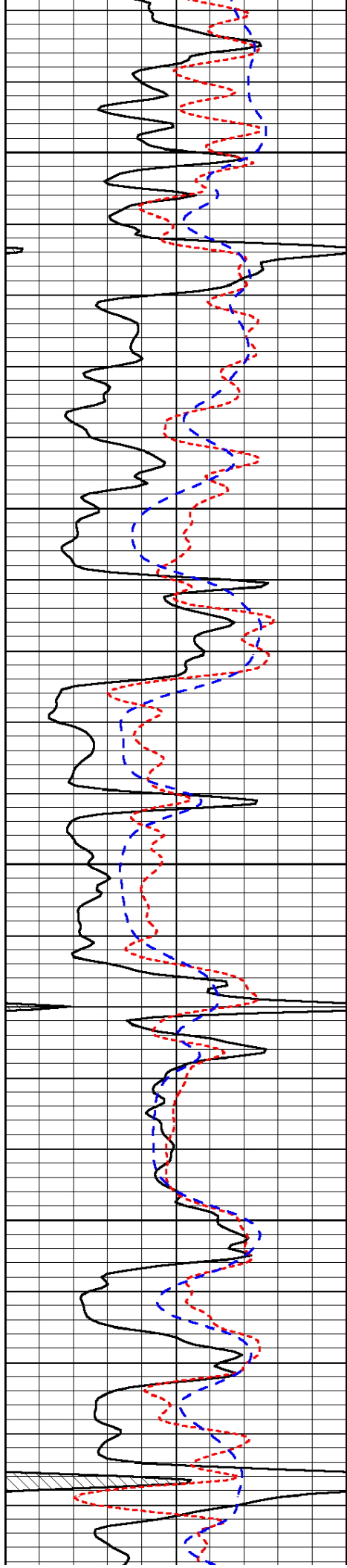


-33

-33

-33

-33

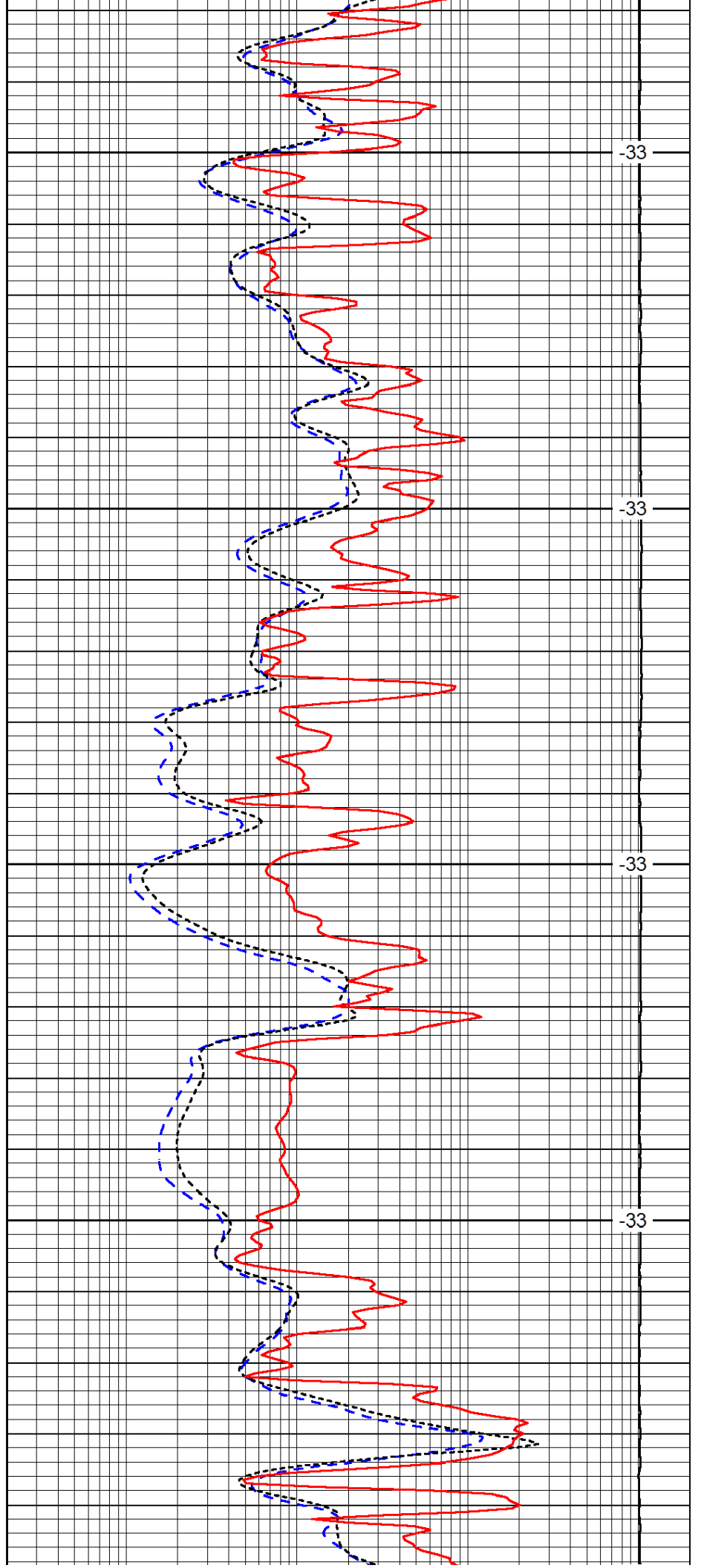


3550

3600

3650

3700

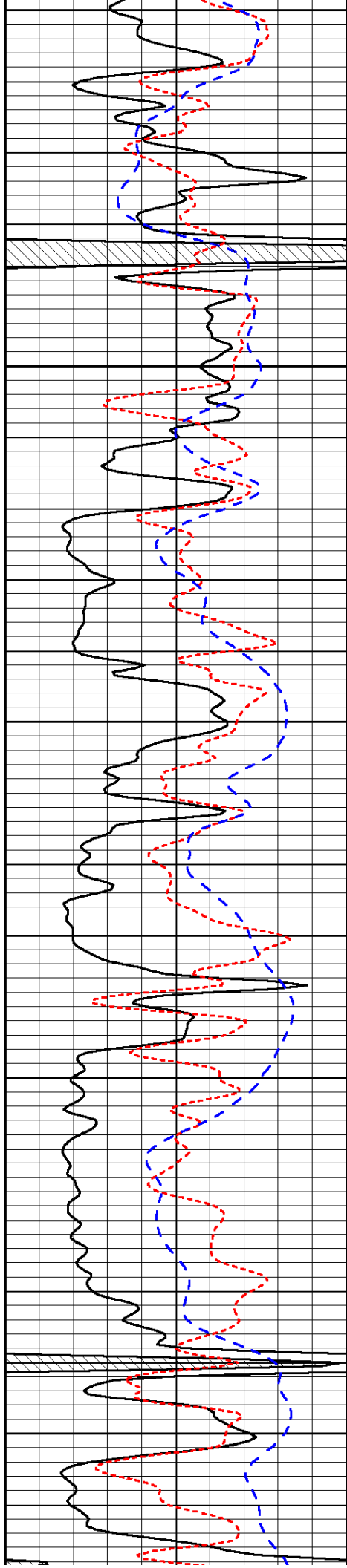


-33

-33

-33

-33



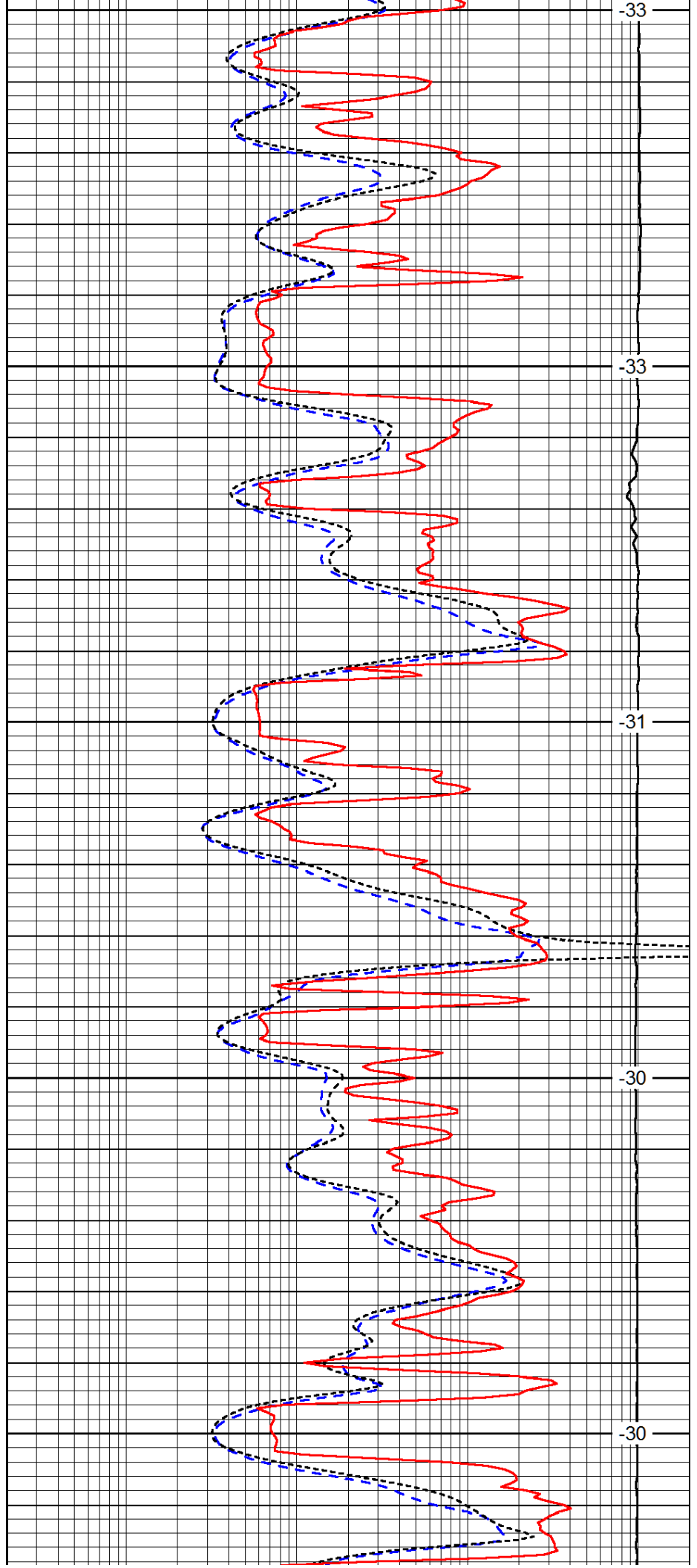
3750

3800

3850

3900

3950



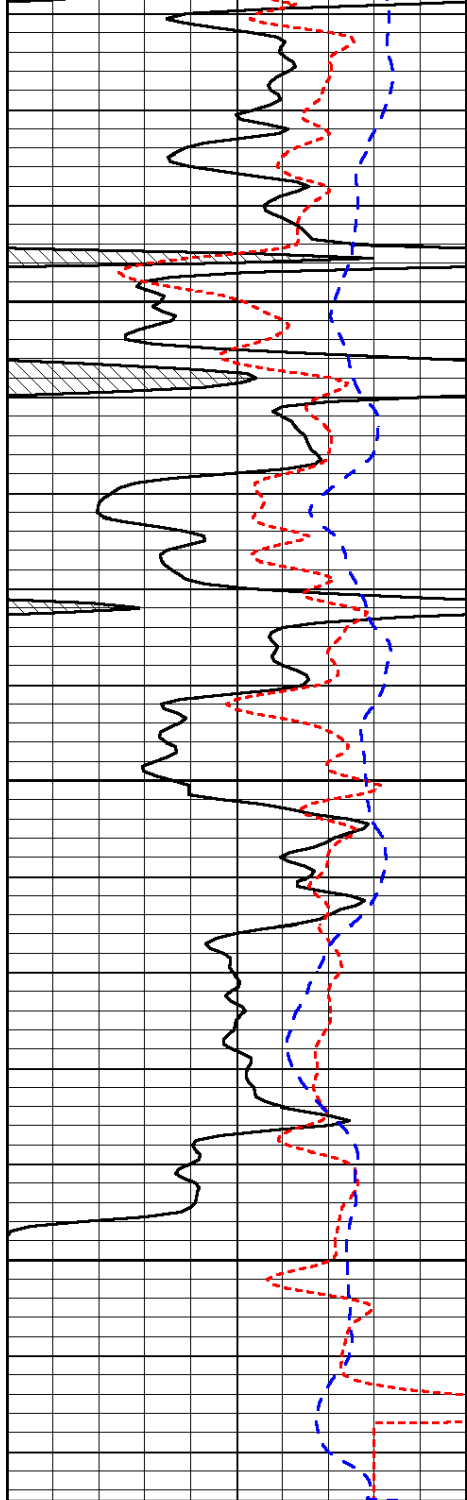
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-33

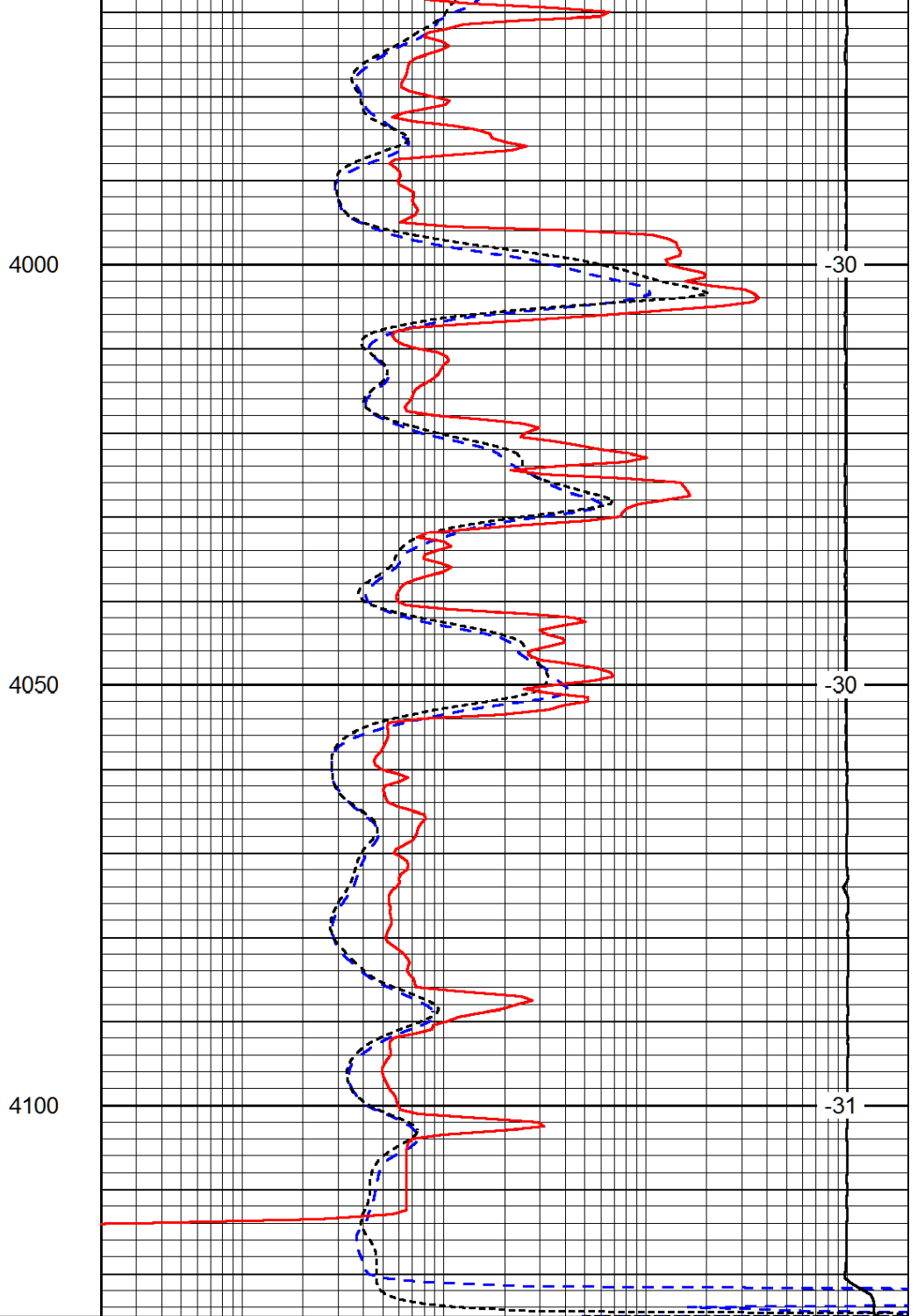
-31

-30

-30



0	Gamma Ray	150
-160	RxoRt	40
-200	SP (mV)	0



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



CONSOLIDATED
Oil Well Services, LLC

872

TICKET NUMBER 47861 ⁸⁵⁸
LOCATION Oakley #5
FOREMAN Jeremy Y

INVOICE # 80206

FIELD TICKET & TREATMENT REPORT

CEMENT

PO Box 804, Chanute, KS 66720
620-431-9210 or 800-467-8676

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-10-14	0224	LeRoy Shaw #1	33	85	28w	Shertok
CUSTOMER <u>Pioneer Oil</u>			Grandfield N to S0 1/2 W Ninto			
MAILING ADDRESS <u>Highway 50 & Airport Rd RR4 Box 142B</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY <u>Loweranceville</u> STATE <u>IL</u> ZIP CODE <u>62439</u>			<u>731</u>	<u>Jeremy R</u>		
			<u>613</u>	<u>Larry H</u>		
			<u>assist</u>	<u>Lance R</u>		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 220 CASING SIZE & WEIGHT 8 5/8 24#
 CASING DEPTH 2FB DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.24 WATER gal/ek _____ CEMENT LEFT IN CASING 20'
 DISPLACEMENT 12 1/2 bbl DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting & pickup on Martin 16 break circulation with retrace mix 1755k com class A with 3% calcium chloride 2% gel washup & d.s.p. with 12 bbl fresh water & shut in circulated approx 8 bbl to pit

Cement did circulate Thank you
Jeremy Y

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1150.00	1150.00
5406	40	MILEAGE	5.25	210.00
5407	8.23	Van mileage delivery	1.25	575.75
11045	1755k	com class A cement	18.55	3246.25
1102	494#	CC	94	46436
1118h	3.29	gel	27	88.83
			Subtotal	5735.19
			less 10% disc.	5735.19
			Subtotal	5161.68
			SALES TAX	278.69
			ESTIMATED TOTAL	5440.37

Ravin 3737

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

JOB LOG

SWIFT Services, Inc.

DATE 11-20-19 PAGE NO. 1

CUSTOMER Pioneer Oil Co WELL NO. #1 LEASE Le Roy Shaw JOB TYPE Cement Longstring TICKET NO. 26971

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		TD 4120'	DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING		
	1825 1900						14 1/4" 5 1/2"		ON location - Requested @ 1830 start 5 1/2" 14 1/4" casing to 4107' Insert Float shoe w/ Auto PVI L.D. Baffle - SJ 42' = 4025' = (99 BBI) Cut on JT No's - 3-4-5-6-7-8-9-10-11 1-15-16 Cut Borehole #23-33-41-65 Drop ball up ball 5 JTs out
	2020 2030								Fin run casing - Tag - Lag JTs Down start circulating casing Fin cir - Plug RH/MH 30/20 SKS cont SMD
			8/4						
			12 20	32					Pump 500 gal Mutual Flush Pump 20 BBI HCL Flush
			153 43	196					Start 275 SKS SMD cont @ 11.2 #/gal Start 175 SKS EA-2 cont. Fin cont/wash out Pump & Lines
		9					400		Drop L.D. Plug. - Start Disp
		9	45				500		Caught at lift press
		8	75				800 700		slow rate
		7	85				800		slow rate
		6	90				1100		slow rate
		6	98				1400		Last cir press
	2300	0	99				1800		Plug Down - Hold - Release & Hold 20 BBI cont cir - 40 SKS SMD @ 11.2 #/gal
	2330								Job Complete The Ron, Tom, Steve & Israel & Preston Lined up & Back up