



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1220118
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: _____



1220118

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
--	---

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, LLC
Well Name	Peace Creek Audrey C-1
Doc ID	1220118

Tops

Name	Top	Datum
TOPEKA	2712	-964
HEEBNER SHALE	3004	-1256
BROWN LIME	3156	-1408
LKC	3190	-1442
BKC	3303	-1521
VIOLA	3677	-1929
SIMPSON SHALE	3768	-2020
ARBUCKLE	3838	-2090
LTD	3893	-2145

OPERATOR

Company: CARRIE EXPLORATION AND DEVELOPMENT
 Address: 210 WEST 22ND
 HAYS, KANSAS
 67601

Contact Geologist: RON HEROLD
 Contact Phone Nbr: 913-961-2760
 Well Name: AUDREY C-1
 Location: E2 SE SW NW S30 T22S R9W
 API: 15-155-21692-00-00

Pool:
 State: KANSAS

Field: ZENITH PEACE CREEK NORTH
 Country: USA

Scale 1:240 Imperial

Well Name: AUDREY C-1
 Surface Location: E2 SE SW NW S30 T22S R9W
 Bottom Location:
 API: 15-155-21692-00-00
 License Number: 6768
 Spud Date: 8/11/2014 Time: 3:34 PM
 Region: RENO COUNTY
 Drilling Completed: 8/16/2014 Time: 4:00 PM
 Surface Coordinates: 2310 FNL & 1064 FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1739.00ft
 K.B. Elevation: 1748.00ft
 Logged Interval: 2700.00ft To: 3900.00ft
 Total Depth: 3900.00ft
 Formation: VIOLA
 Drilling Fluid Type: CHEMICAL / FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.3588551
 Latitude: 38.1090627
 N/S Co-ord: 2310 FNL
 E/W Co-ord: 1064 FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 WEST 35TH
 HAYS, KANSAS 67601

Phone Nbr: 785-639-1337
 Logged By: GEOLOGIST

Name: STEVE REED

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.
 Rig #: 2
 Rig Type: MUD ROTARY
 Spud Date: 8/11/2014 Time: 3:34 PM
 TD Date: 8/16/2014 Time: 4:00 PM
 Rig Release: 8/17/2014 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1748.00ft Ground Elevation: 1739.00ft
 K.B. to Ground: 9.00ft

NOTES

DECISION WAS MADE TO SET PRODUCTION CASING TO FURTHER TEST THE VIOLA, SIMPSON SAND AND OTHER ZONES OF INTEREST.

OPEN HOLE LOGGING PROVIDED BY PIONEER ENERGY SERVICES:
 DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, AND MICRORESISTIVITY LOGS WERE
 COMPLETED

NO DRILL STEM TESTS PERFORMED

LOG TOPS COMPARISON AND DAILY ACTIVITY SUMMARY

	WELL NAME		COMPARISON WELL	COMPARISON WELL
	AUDREY # C-1		PEACE CREEK #C-1	SLEEPER 1-30
	API: 15-155-21692		API: 15-155-21670	API: 15-155-20923
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)
TOPEKA	2715' (-967')	2712' (-964')	-975'	NA
HEEBNER	3007' (-1259')	3004' (-1256')	-1269'	-1221'
TORONTO	3028' (-1275')	3018' (-1270')	-1284'	NA
DOUGLAS SHALE	3027' (-1279')	3024' (-1276')	-1291'	NA
BROWN LIME	3157' (-1409')	3156' (-1408')	-1420''	-1375'
LKC	3195' (-1447')	3190' (-1442')	-1454'	-1400'
BKC	No Call	3303' (-1521')	-1736'	-1704'
VIOLA	3673' (-1925')	3677' (-1929')	-1935'	-1834'
SIMPSON SHALE	3772' (-2024')	3768' (-2020')	-2031'	-1926'
SIMPSON SAND	3778' (-2030')	3775' (-2027')	-2037'	-1934'
ARBUCKLE	3840' (-2092')	3838' (-2090')	-2096'	-1992'
RTD	3900' (-2151')	3893' (-2145')	-2232'	-2035'

SUMMARY OF DAILY ACTIVITY

- 8-11-14** R.U., spud @ 3:00pm, 8 5/8" surface casing set at 260' w/50 sxs 60/35 6% gel, 3%cc, 175 sxs class A, 2% gel, #5 cc, plud down @ 9:00pm, WOC
- 8-12-14** 364', drilling
- 8-13-14** 1971', drilling, displaced at 2700'
- 8-14-14** 2790', drilling
- 8-15-14** 3350', drilling
- 8-16-14** 3725', drilling, TD of 3900 reached @ 4:00pm, CFS, short trip (25 stands) CTCH, TOWB for logs, survey 3/4°, logging, prepare to set production casing
- 8-17-14** 3900', 5.5' production casing set at 3892' port collar set @ 1491' w/165 sxs of 60/40 Poz, 2% gel, WOC, release rig

ROCK TYPES



ACCESSORIES

MINERAL

P Pyrite
Mc Mica

FOSSIL

F Fossils < 20%
O Oolite
O Oomoldic
F Fossilinid

STRINGER

~ Chert
* Sandstone

TEXTURE

C Chalky
L Lithogr

OTHER SYMBOLS

EVENTS

⌋ Casing Shoe
▽ RTF
▶ Sidewall
▲ Left Casing Shoe
▼ Right Casing Shoe

INTERVALS

■ Core
• DST

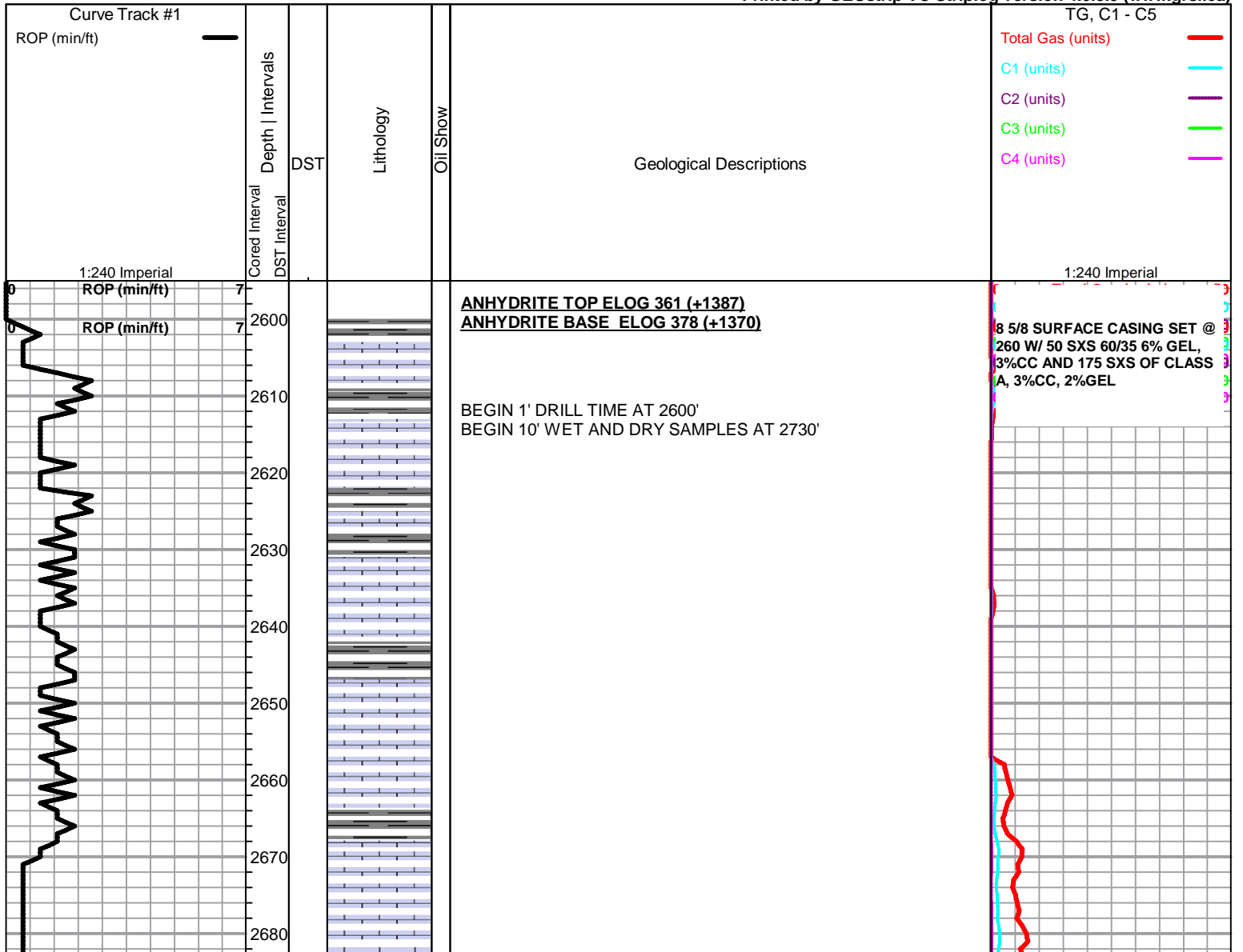
Oil Show

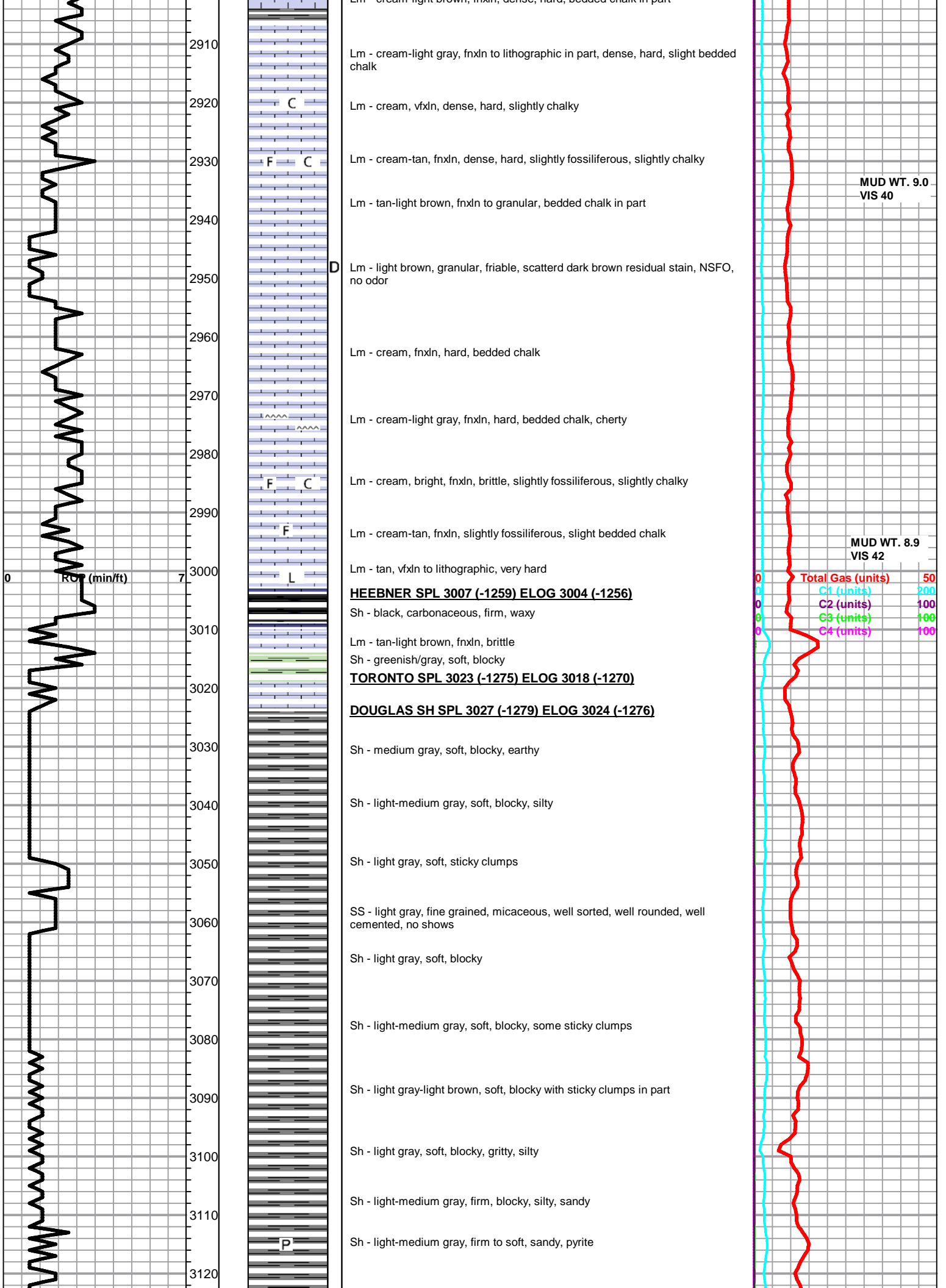
● Good Show
● Fair Show
● Poor Show
○ Spotted or Trace
○ Questionable Strn
D Dead Oil Strn
■ Fluorescence
* Gas

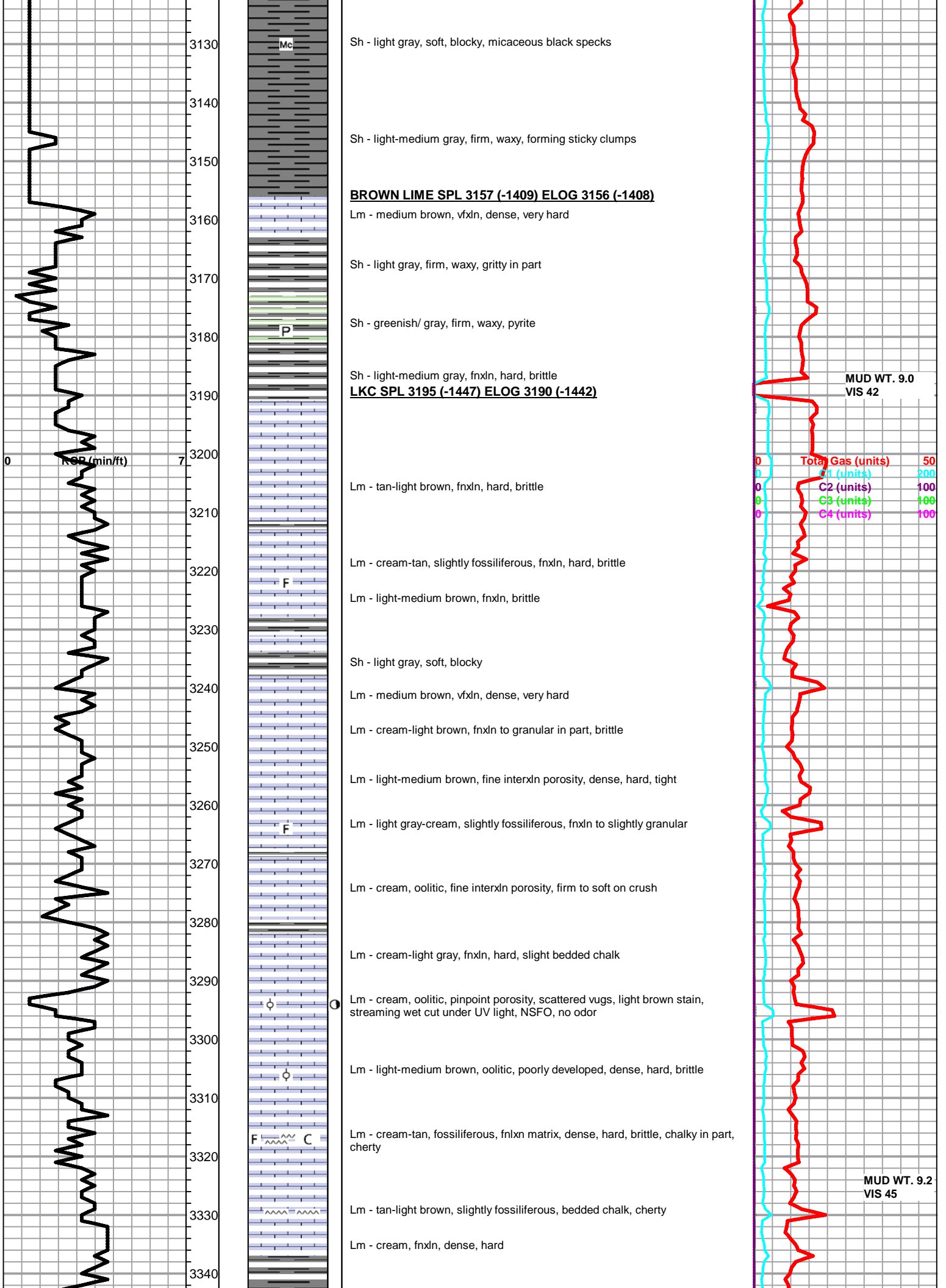
DST

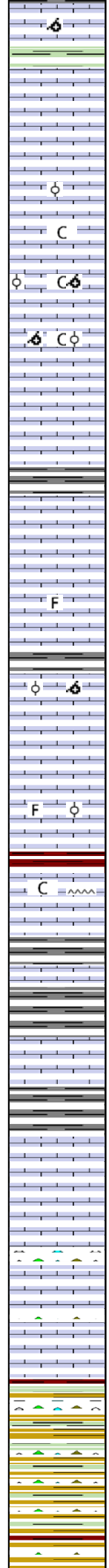
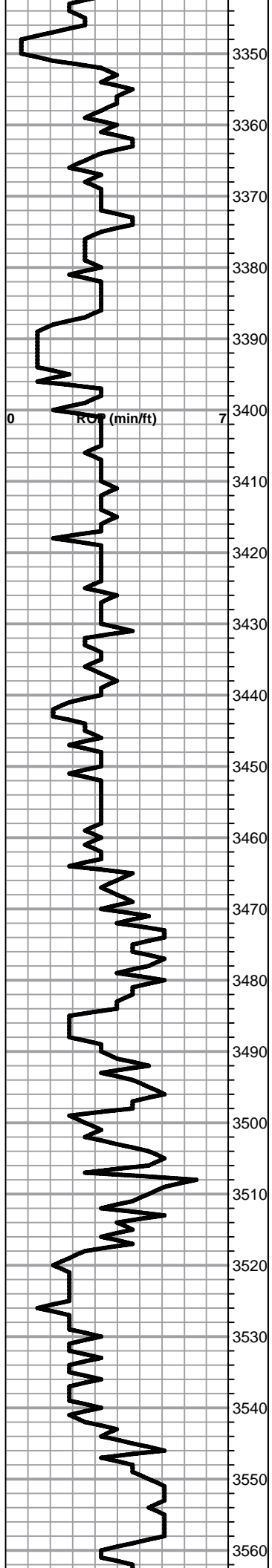
■ DST Int
■ DST alt
■ Core
|| tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)









Lm - light brown, oomoldic, firm on crush, no shows

Sh - greenish gray soft, sticky

Lm - light brown, fxlN, hard, bedded chalk

Lm - cream, oolitic, moderately friable, no staining, no shows

Lm - cream-light brown, fxlN, hard, slightly chalky

Lm - tan, oolitic/oomoldic, poor development, hard, brittle, slightly chalky

Lm - light brown, oolitic/oomoldic, brittle, no shows, slightly chalky

Lm - light brown, vfxN, dense, hard, slight bedded chalk

Lm - light gray-light brown, fxlN, hard, bedded chalk

Lm - light brown, fossiliferous, dense, hard, brittle

Lm - tan, oolitic/oomoldic, poor development, dense, hard, bedded chalk

Lm - tan, fxlN, dense, very hard, bedded chalk in part

Lm - cream-tan, slightly fossiliferous with oolites, dense, hard

BKC ELOG 3462 (-1714)

Sh - maroon/gray, soft, sticky

Lm - cream-light brown, fxlN, dense, hard, slightly chalky, cherty

Lm - light gray-brown, fxlN, brittle, bedded chalk

Sh - light gray, firm, blocky

Sh - medium brown / gray, firm, blocky

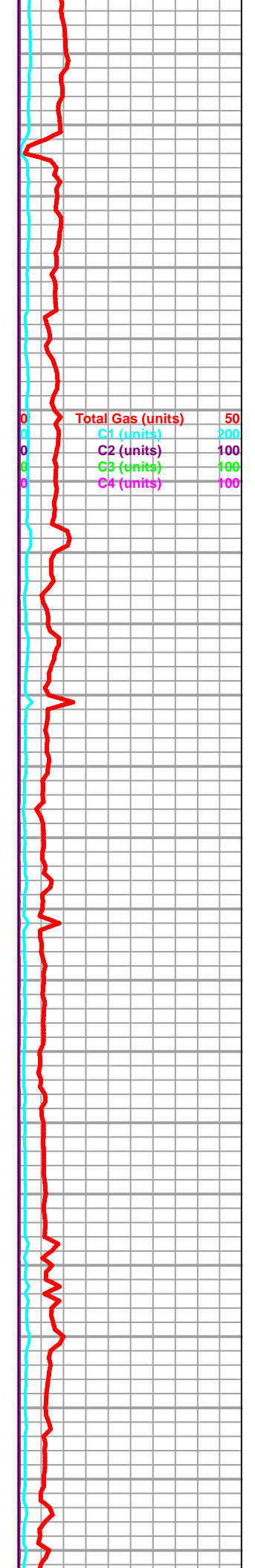
Lm - light gray, vfxN, dense, hard

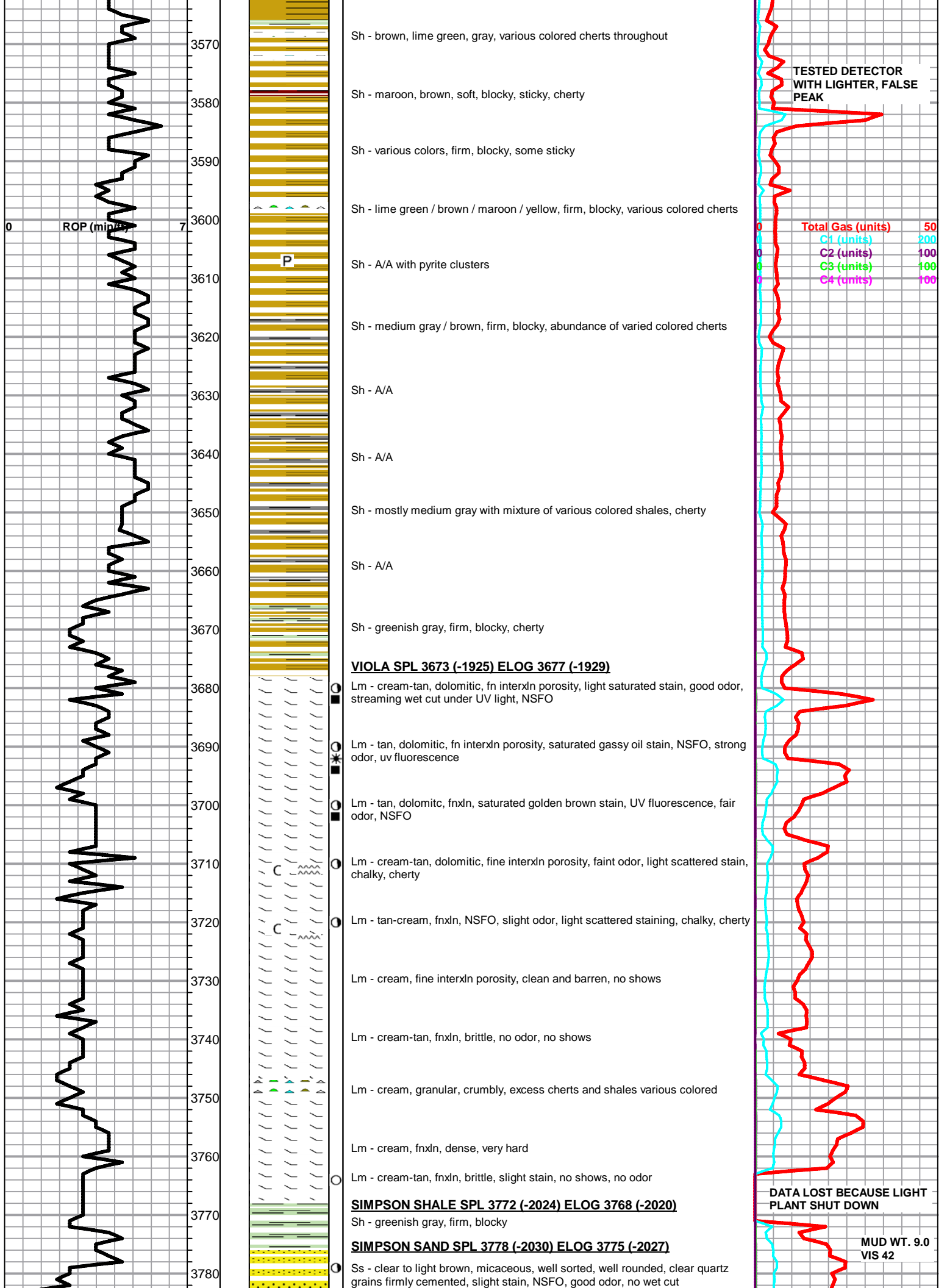
Lm - cream, fxlN, brittle, excess various colored cherts

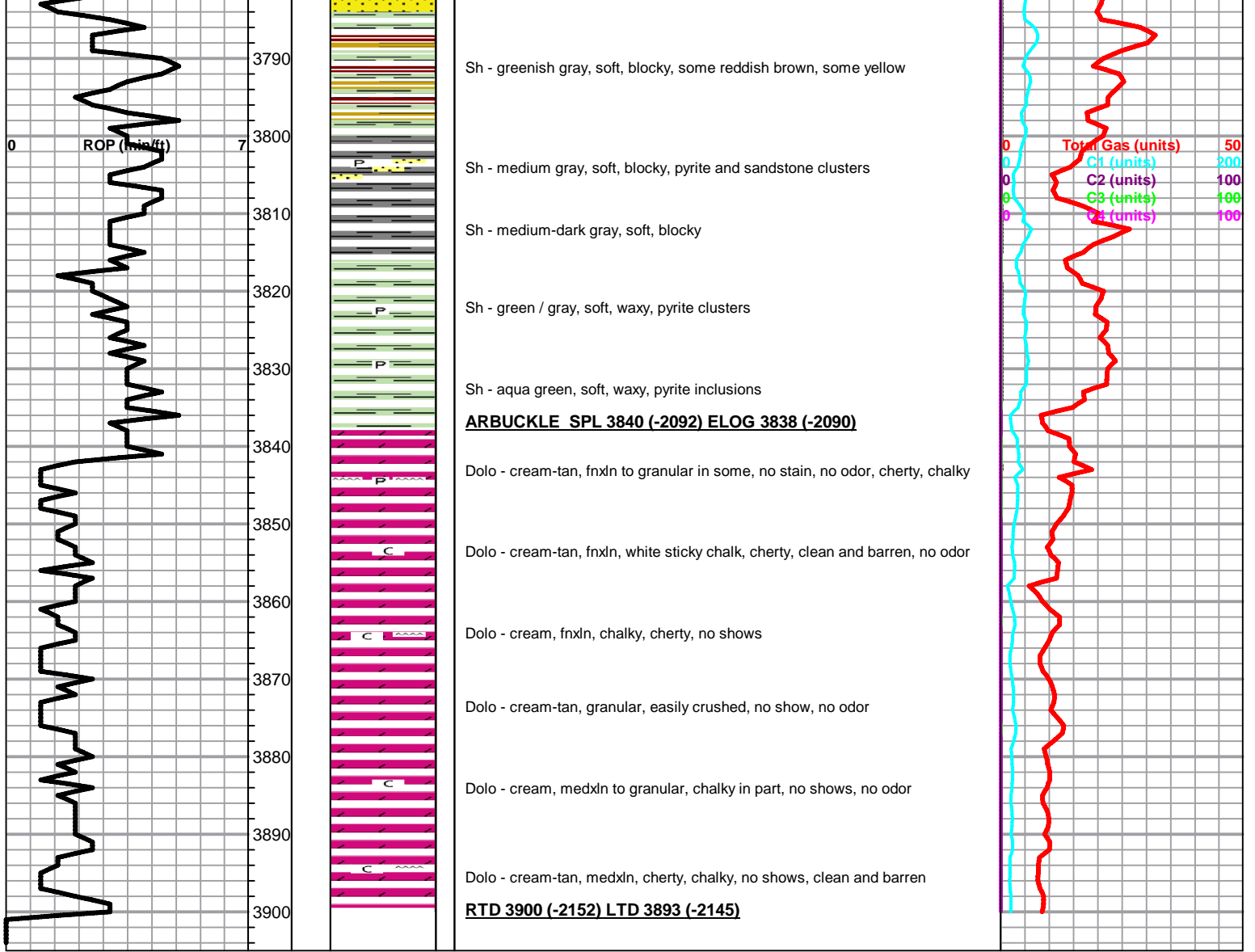
Lm - light brown, vfxN, brittle, bedded chalk, cherty

Sh - greenish gray/ maroon, soft, blocky, various colored cherts

Sh - greens, maroons, browns, firm, blocky, some sticky, various mixture of colored cherts









INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 145068

Invoice Date: Aug 11, 2014

Page: 1

Voice: (817) 546-7282

Fax: (817) 246-3361

Bill To:
Carrie Exploration & Development LLC 210 West 22nd Street Hays, KS 67601

C

Customer ID	Field Ticket #	Payment Terms	
Carrie	63705	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Aug 11, 2014	9/10/14

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Audrey C #1		
175.00	CEMENT MATERIALS	Class A Common	17.90	3,132.50
329.00	CEMENT MATERIALS	Gel	0.50	164.50
493.00	CEMENT MATERIALS	Chloride	1.10	542.30
50.00	CEMENT MATERIALS	65/35 6% Gel Blend	19.88	994.00
243.68	CEMENT SERVICE	Cubic Feet Charge	2.48	604.33
384.65	CEMENT SERVICE	Ton Mileage Charge	2.75	1,057.79
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
35.00	CEMENT SERVICE	Pump Truck Mileage	7.70	269.50
35.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	154.00
1.00	CEMENT SUPERVISOR	Charles Kinyon		
1.00	OPERATOR ASSISTANT	Brian Lang		
1.00	EQUIPMENT OPERATOR	Daniel Casper		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

pd
8-30-14
4862

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,107.79

ONLY IF PAID ON OR BEFORE
Sep 10, 2014

Subtotal	8,431.17
Sales Tax	345.58
Total Invoice Amount	8,776.75
Payment/Credit Applied	
TOTAL	8,776.75

31750
6668.96



PAGE	CUST NO	YARD #	INVOICE DATE
1 of 1	1005952	1718	08/20/2014
INVOICE NUMBER			
91572449			

pd # 4855-8-27-14

Pratt (620) 672-1201
 B CARRIE EXPLORATION & DEVELOPMENT LLC
 I 210 W 22ND ST
 L HAYS
 L KS US 67601
 T
 O ATTN: HEROLD

J LEASE NAME Audry C 1
 O LOCATION
 B COUNTY Reno
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40756448	20920		Net - 30 days	09/19/2014
For Service Dates: 08/17/2014 to 08/17/2014				
0040756448				
171811229A Cement-New Well Casing/Pi 08/17/2014 Cement 5 1/2" Longstring				
60/40 POZ		195.00	EA 9.20	1,793.68 T
C-41P		36.00	EA 3.07	110.38 T
Salt		1,254.00	EA 0.38	480.62 T
FLA-322		114.00	EA 5.75	655.38 T
Mud Flush		500.00	EA 1.15	574.90 T
Gilsonite		825.00	EA 0.51	423.70 T
"5 1/2" Port Collar "		1.00	EA 2,682.87	2,682.87
"Latch Down Plug & Baffle, 5 1/2" (Blu		1.00	EA 306.61	306.61
"Auto Fill Float Shoe 5 1/2" (Blue)"		1.00	EA 275.95	275.95
"5 1/2" Turbolizer (Red)"		6.00	EA 95.82	574.90
"5 1/2" Basket (Blue)"		1.00	EA 222.29	222.29
"Unit Mileage Chg (PU, cars one way)"		45.00	MI 3.26	146.60
Heavy Equipment Mileage		90.00	MI 5.37	482.91
"Proppant & Bulk Del. Chgs., per ton mil		378.00	EA 1.59	637.45
Depth Charge; 3001-4000'		1.00	EA 1,655.71	1,655.71
Blending & Mixing Service Charge		195.00	BAG 1.07	209.26
Casing Swivel Rental		1.00	EA 153.31	153.31
Plug Container Util. Chg.		1.00	EA 191.63	191.63
"Service Supervisor, first 8 hrs on loc.		1.00	EA 134.14	134.14

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	11,712.29
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	308.96
PO BOX 841903	801 CHERRY ST, STE 2100	INVOICE TOTAL	12,021.25
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 11229 A

DATE _____ TICKET NO. _____

DATE OF JOB 8-17-14 DISTRICT Pratt 101		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER CARRIE - Exploration		LEASE Audrey C-1 WELL NO.:							
ADDRESS		COUNTY RENO STATE KS							
CITY STATE		SERVICE CREW Sullivan & Sons, Cobbe							
AUTHORIZED BY		JOB TYPE: CNW 5 1/2" Long 5 1/2"							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
33708-20920	1.5						8-17-14		4:30
19831-19862	1.5					ARRIVED AT JOB		AM	6:00
37900						START OPERATION		AM	10:55
						FINISH OPERATION		AM	12:30
						RELEASED		AM	
						MILES FROM STATION TO WELL			45

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 p02 cont	SK	165		1,980.00
CP 103	60/40 p02 cont	SK	30		360.00
PC 105	1-41-P	lb	36		144.00
CC 111	SALT	lb	1254		627.00
CC 129	PIA-322	lb	114		455.00
CF 201	g/south-e	lb	925		362.00
CF 481	Part Collar	SA	1		350.00
CF 607	LATCH down Play-BATT. 5 1/2"	SA	1		400.00
CF 1251	Moto Fall Shoe Float	SA	1		240.00
CF 1601	Turbine	SA	6		750.00
CF 1901	BAFET	SA	1		290.00
CC 151	MUD Hody	ML	500		750.00
CF 100	Redwood	MS	45		191.25
CF 101	Heavy Scent	MS	90		630.00
CF 113	Bulk Debr	TM	378		831.00
CE 204	Depth Charge	SA	1		2,160.00
CE 240	Blow Gun - mixing	SR	195		273.00
CE 501	Casing Switch Metal	SA	1		200.00
CE 504	Play Canyon (Pent)	SA	1		250.00
5003	Sigma Separator	SA	1		175.00
SUB TOTAL					11,702.29

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE Robert Sullivan	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Robert Sullivan (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
---	---

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer: CARRIE EXPLORATION Lease No. _____ Date: 08-17-14
 Lease: Audrey Well #: C-1
 Field Order #: 11227 Station: Pratt KS Casing: 5 1/2 Depth: _____ County: RENO State: KS
 Type Job: CNW Jumpstring Formation: _____ Legal Description: 30-22-9

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<u>5 1/2</u>				Pre Pad	Max		5 Min.	
<u>3893</u>	Depth	From	To	Pad	Min		10 Min.	
<u>92</u>	Volume	From	To	Frac	Avg		15 Min.	
<u>1500</u>	Max Press	From	To		HHP Used		Annulus Pressure	
<u>P.C. 1500</u>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
<u>3078</u>	Packer Depth	From	To					

Customer Representative: _____ Station Manager: Dave Scott Treater: Robert Johnson
 Service Units: 37900 33708 20920 19831 19862
 Driver Names: Sullivan Scott Cobbe

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<u>6:00</u>					<u>on loc</u>
					<u>Run 5 1/2 15.5 csg.</u>
					<u>cut 2, 3, 4, 14, 15 Port collar 58 csg / Baled</u>
					<u>Below Port collar @ 1902'</u>
<u>1045</u>					<u>CASING ON BOTTOM</u>
<u>1055</u>					<u>hunk rig csg</u>
			<u>12</u>	<u>3</u>	<u>81 SPACER</u>
			<u>17</u>		<u>mix mud flush</u>
			<u>12</u>		<u>SPACER</u>
				<u>4.5</u>	<u>mix cut 165 sk 1/40 per cut 14.8 ppv</u>
			<u>38</u>		<u>cut mix @ should down with lower pump</u>
					<u>Release Plug</u>
				<u>6</u>	<u>8t Dump</u>
	<u>150</u>				<u>lift</u>
	<u>500</u>			<u>4</u>	<u>Slow Rate</u>
<u>1230</u>	<u>1250</u>		<u>9 1/2</u>		<u>Play down</u>
			<u>7</u>		<u>Play R/H w/ 30sk Play m4w/20sk 1/40 ppv</u>
					<u>Job Complete</u>
					<u>Thank you</u>



Pioneer Energy Services

Dual Induction Log

API No.	15-155-21,692-00-00	
Company	Carrie Exploration and Development	
Well	Audrey No. C-1	
Field	Zenith Peace Creek North	
County	Reno	State
		Kansas
Location	E2-SE-SW-NW 2310' FNL & 1064' FWL	
Sec: 30	Twp: 22S	Rge: 9W
Permanent Datum	Ground Level	Elevation 1739
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 1748 D.F. G.L. 1739

Date	8/16/14
Run Number	One
Depth Driller	3900
Depth Logger	3893
Bottom Logged Interval	3892
Top Log Interval	250
Casing Driller	8.625 @ 260
Casing Logger	258
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	N/A
Density / Viscosity	N/A
pH / Fluid Loss	N/A
Source of Sample	Flowline
Rm @ Meas. Temp	N/A @ N/A
Rmf @ Meas. Temp	N/A @ N/A
Rmc @ Meas. Temp	N/A @ N/A
Source of Rmf / Rmc	Charts
Rm @ BHT	N/A @ N/A
Operating Rig Time	4 Hours
Max Rec. Temp. F	119
Equipment Number	10
Location	Hays
Recorded By	J. Henrickson
Witnessed By	Steve Reed

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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

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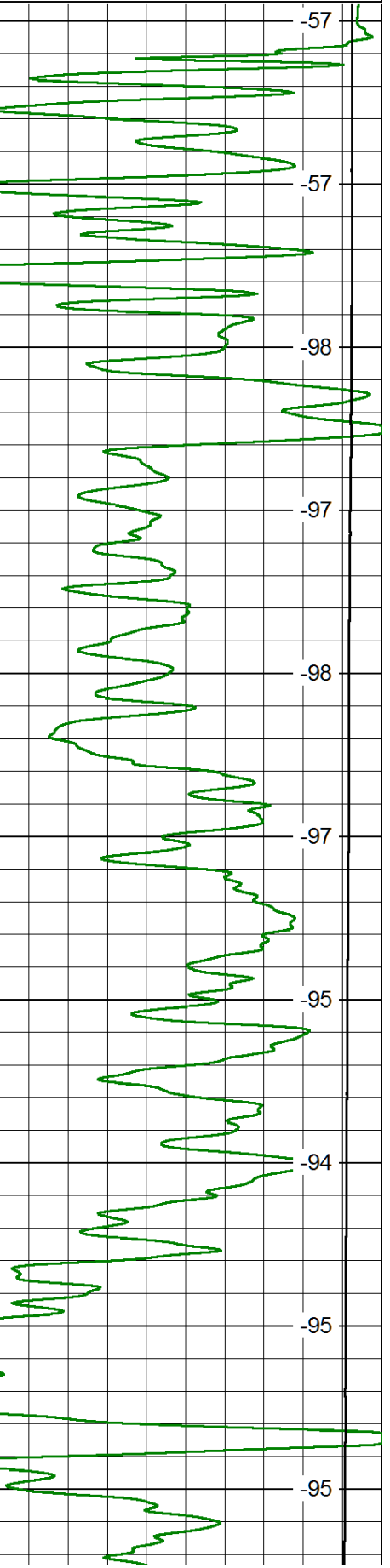
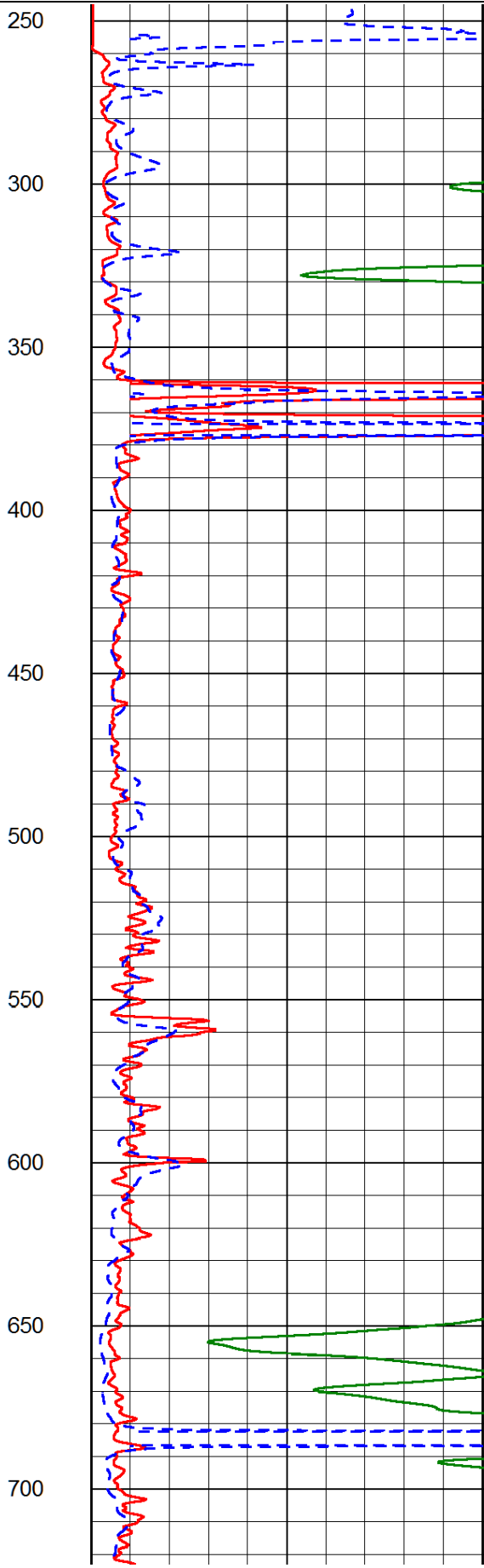
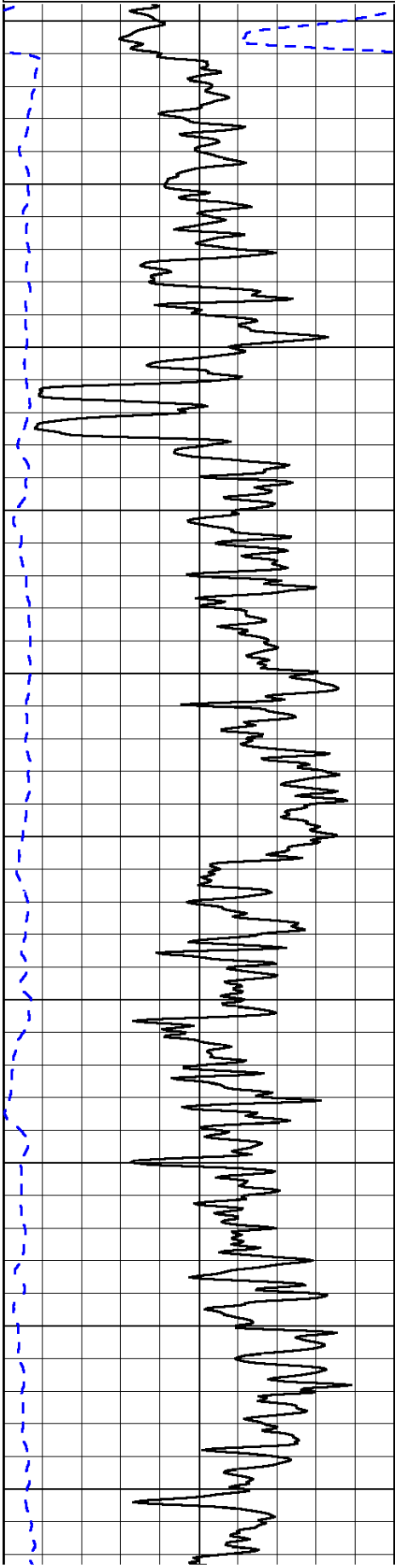
Great Bend Kansas
South to HWY 19, 23 East to Langdon Rd, 4 South, 2 West, 1/2 North, East Into

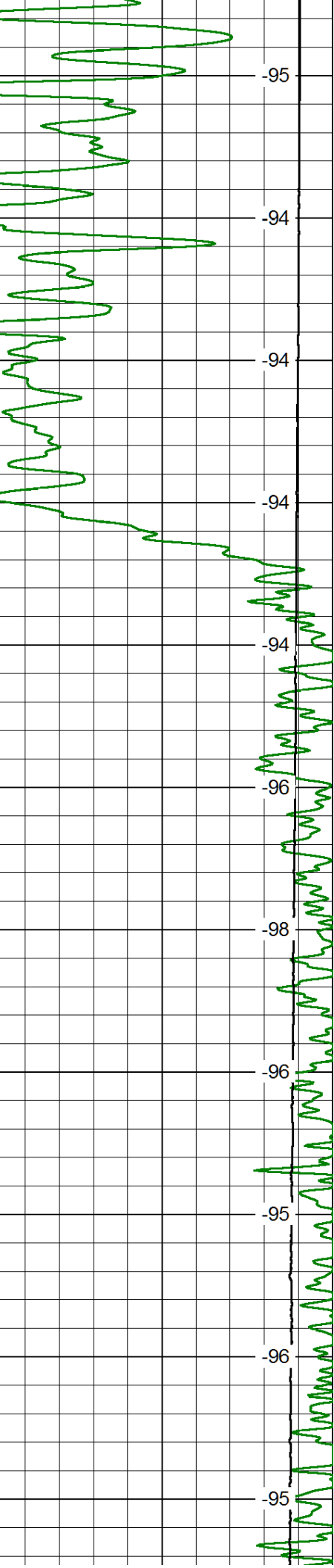
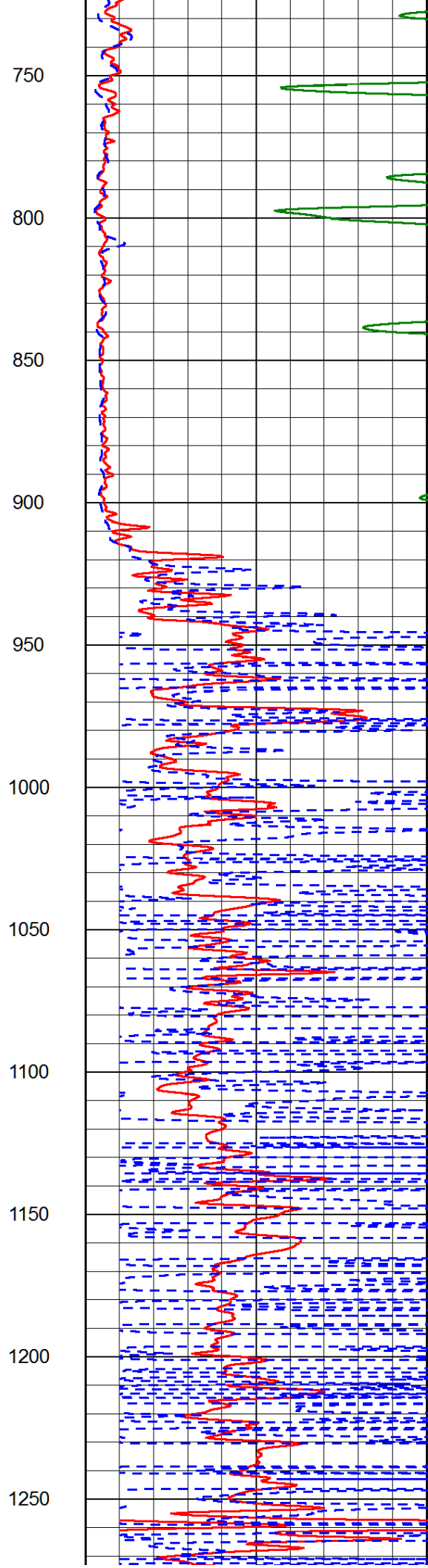
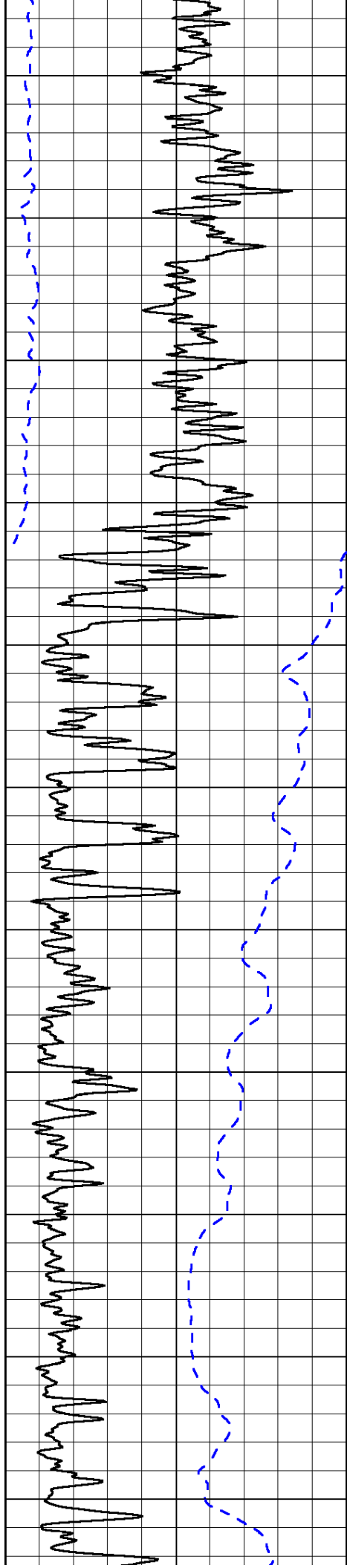
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 Presentation Format: dil2in
 Dataset Creation: Sat Aug 16 23:22:05 2014
 Charted by: Depth in Feet scaled 1:600

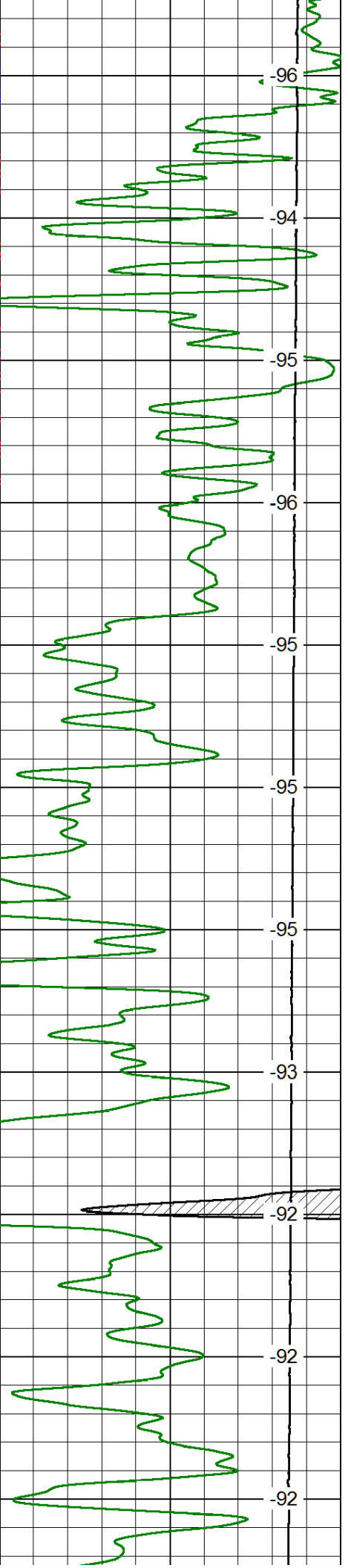
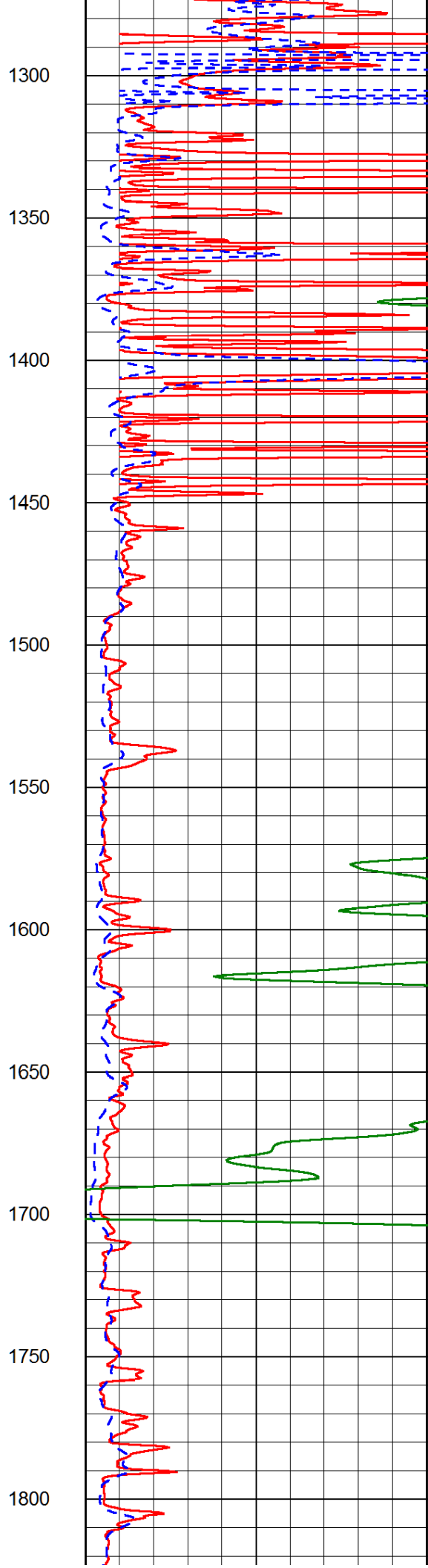
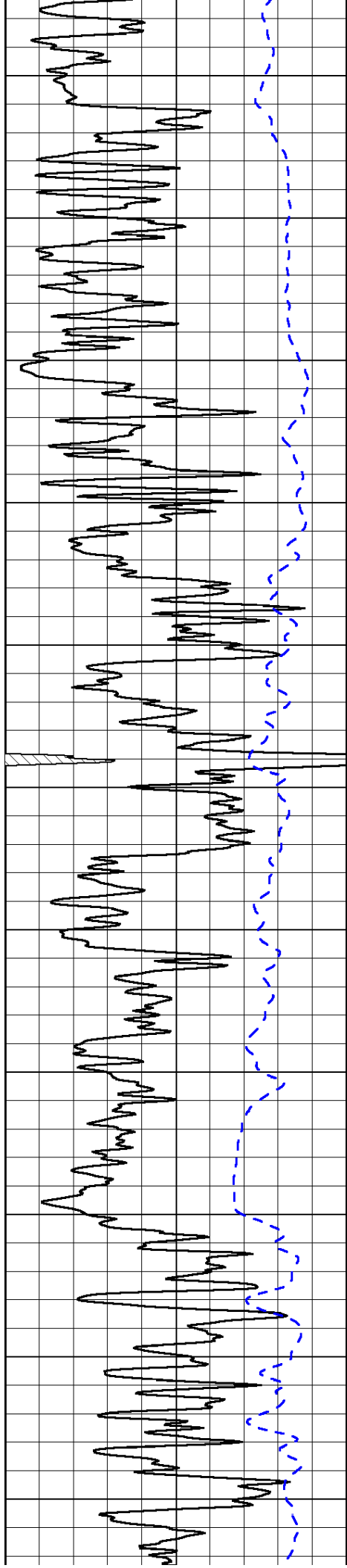
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-200 SP (mV) 0

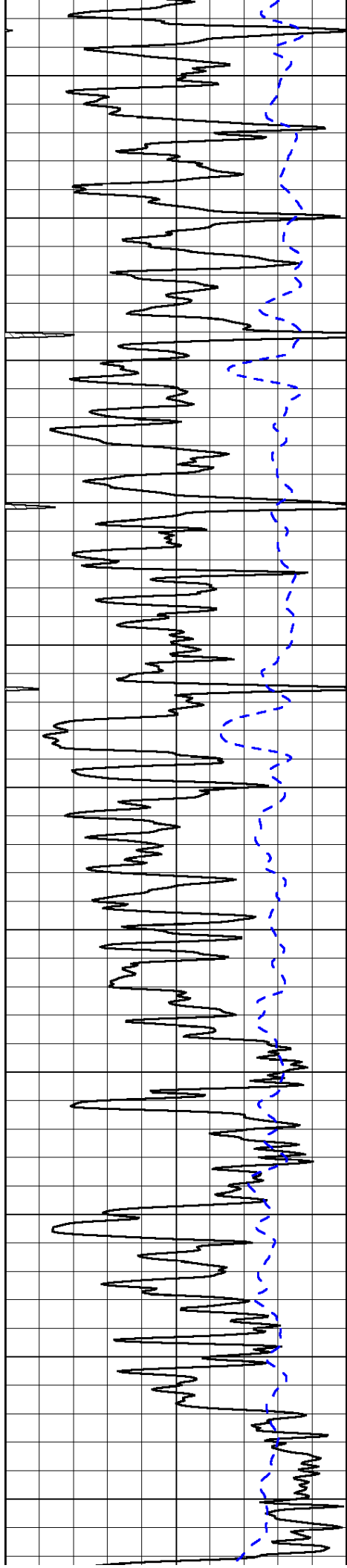
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0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500

LSPD

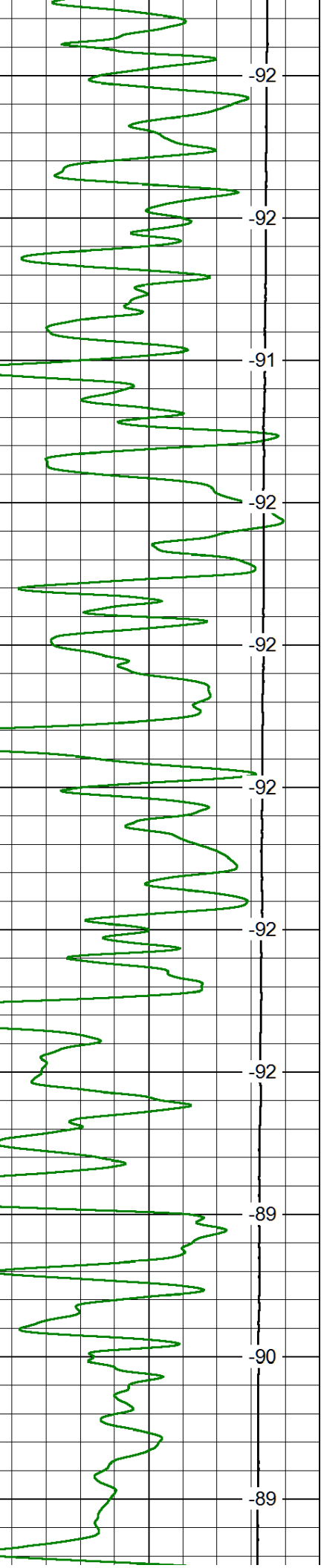
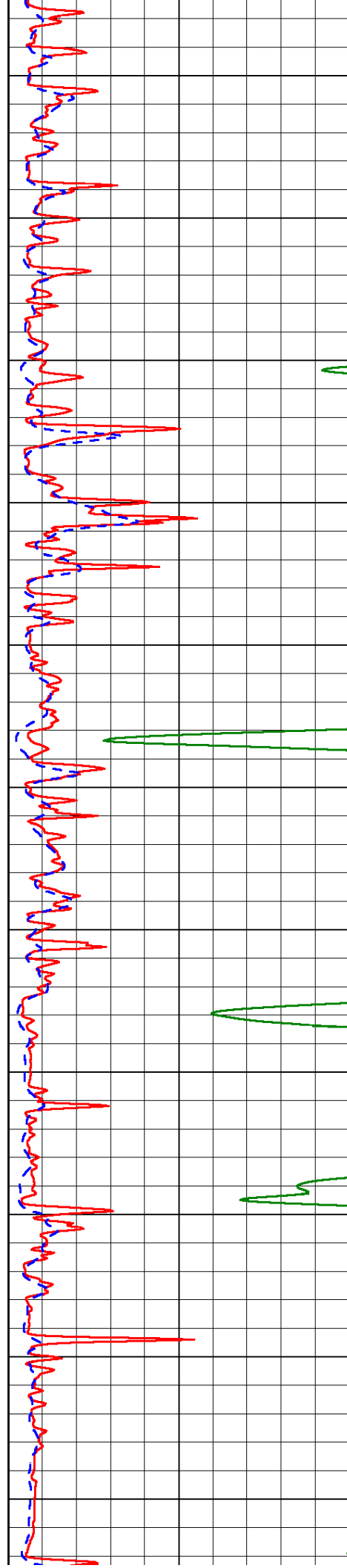




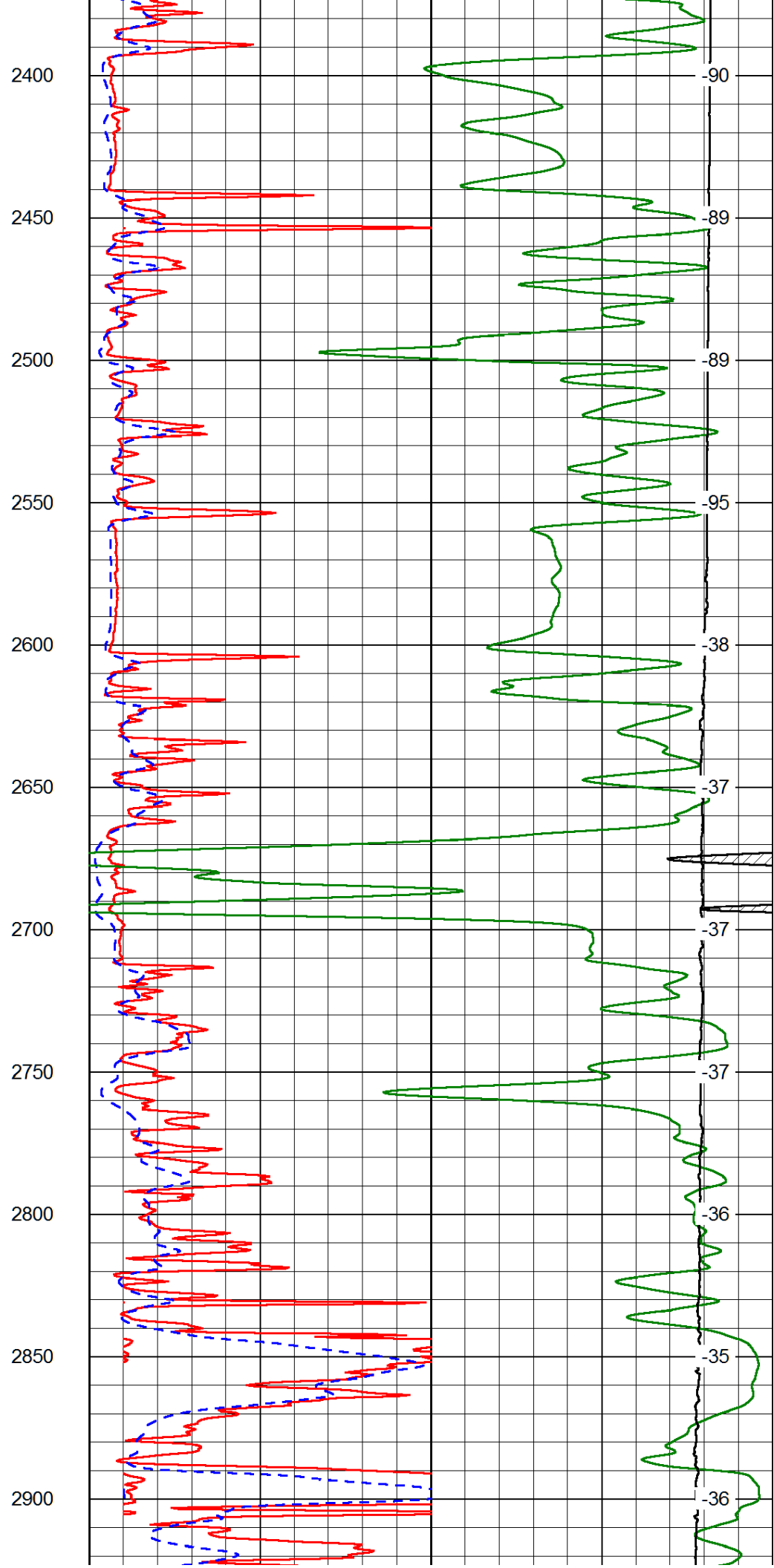
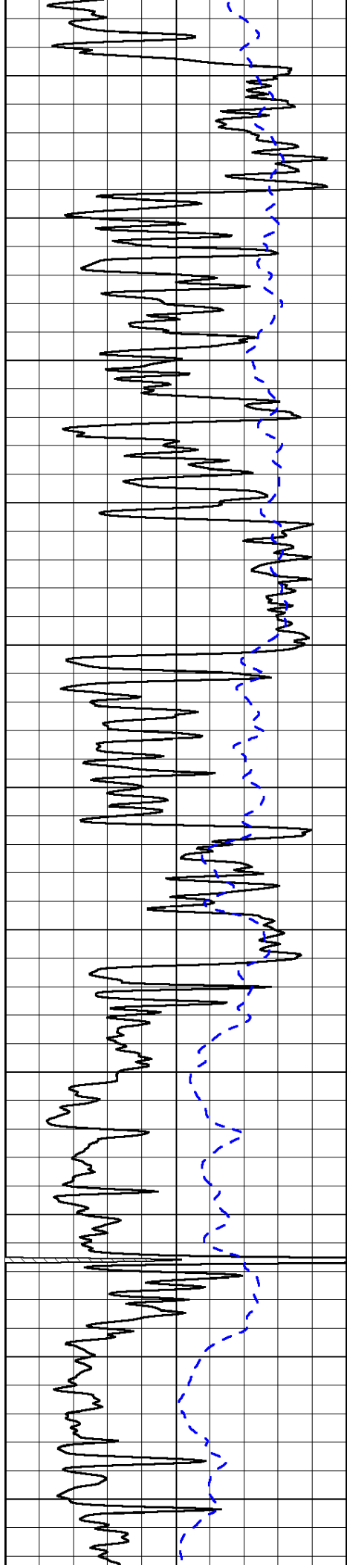


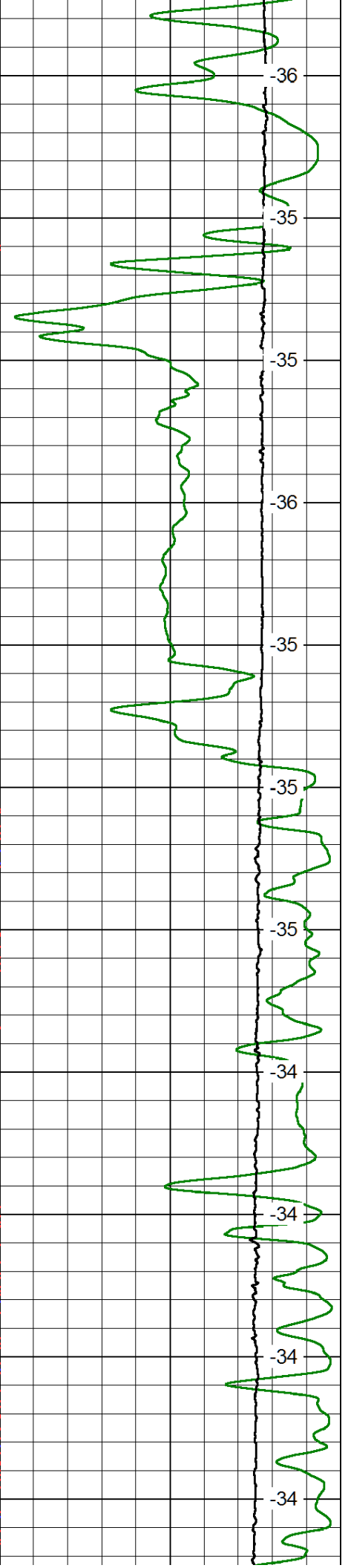
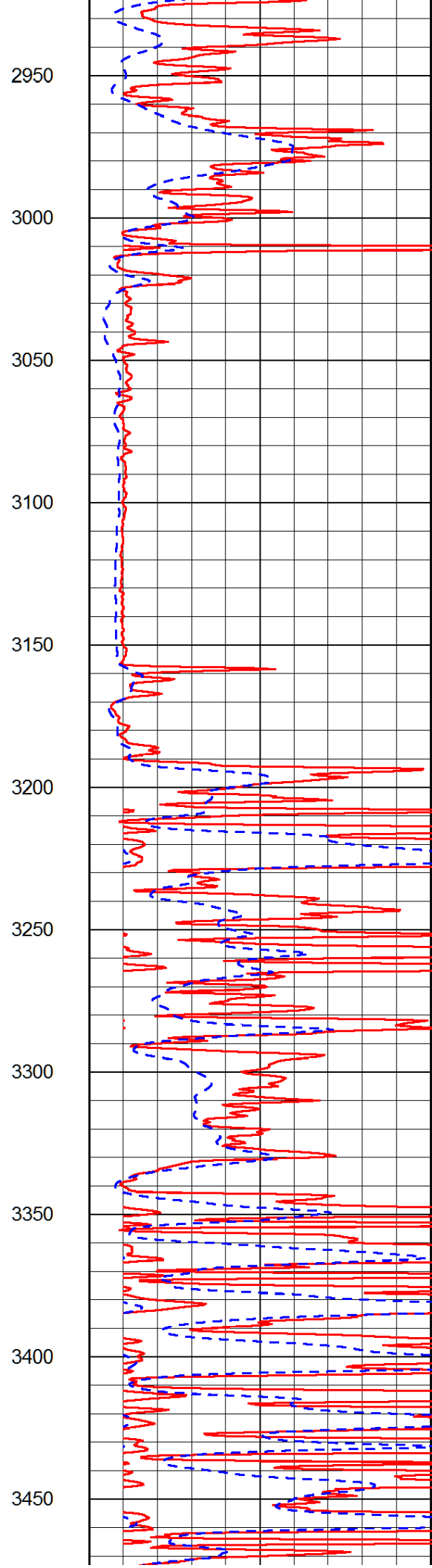
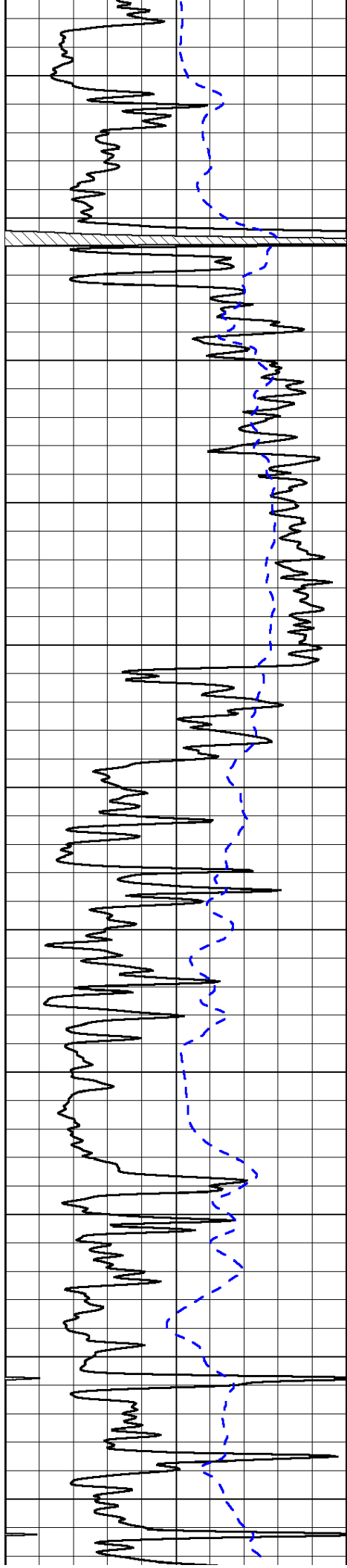


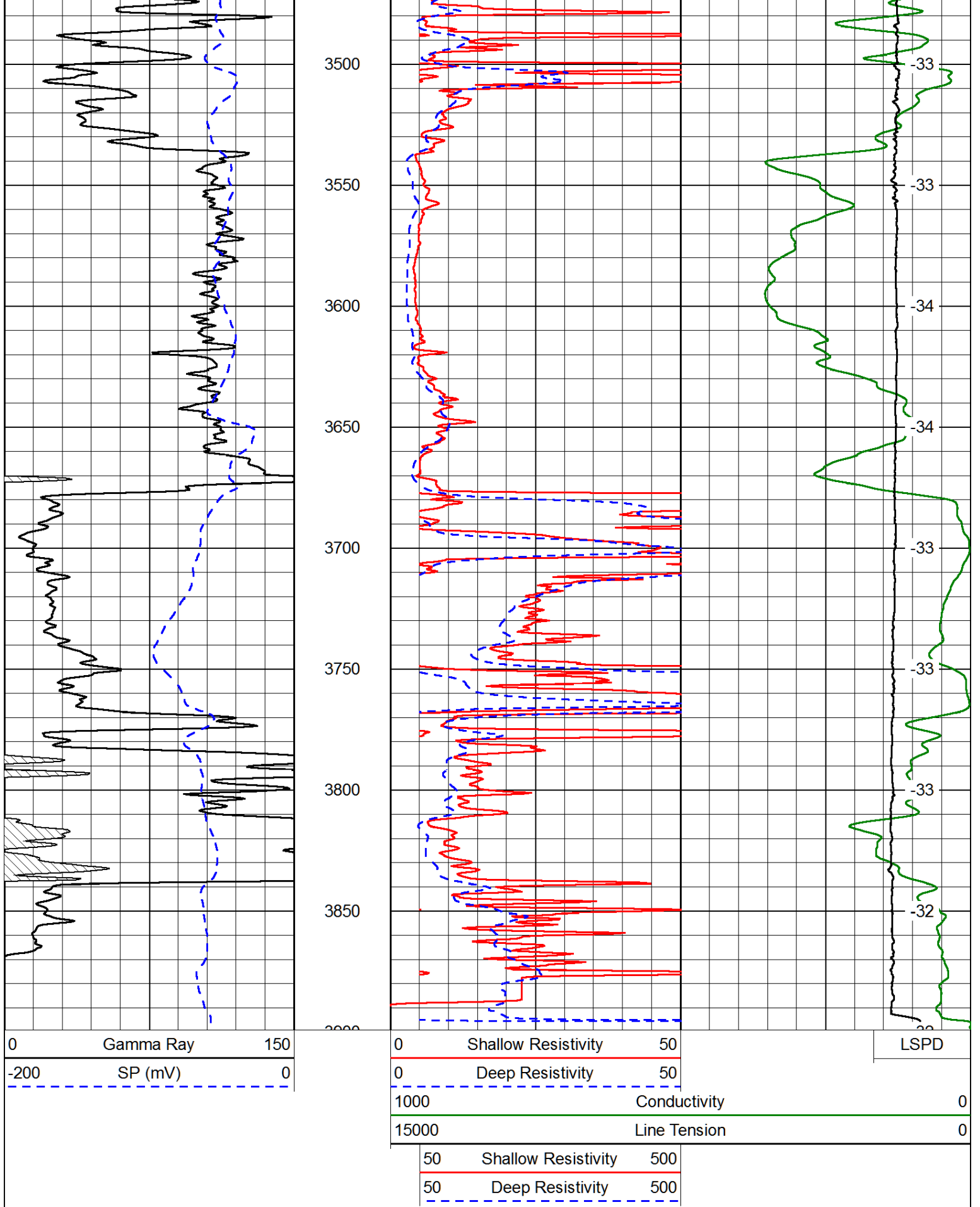
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300
2350



-92
-92
-91
-92
-92
-92
-92
-92
-92
-89
-90
-89





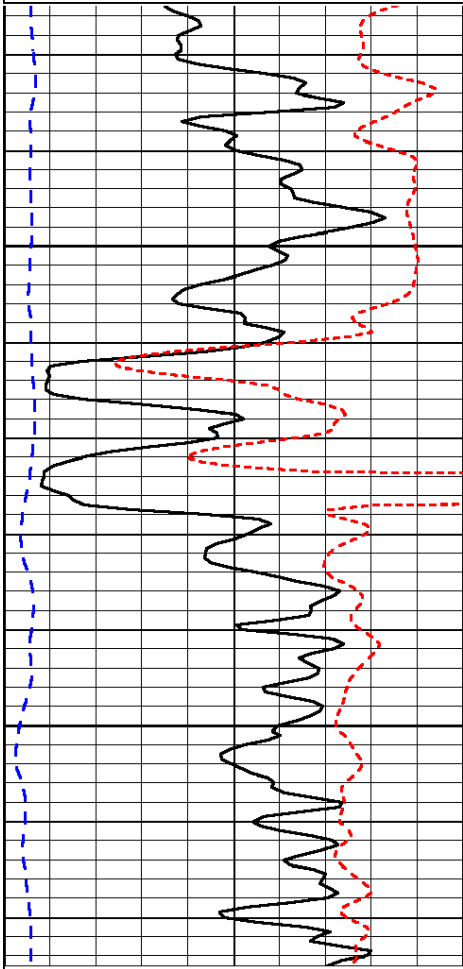


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 Presentation Format: dil
 Dataset Creation: Sat Aug 16 23:22:05 2014

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

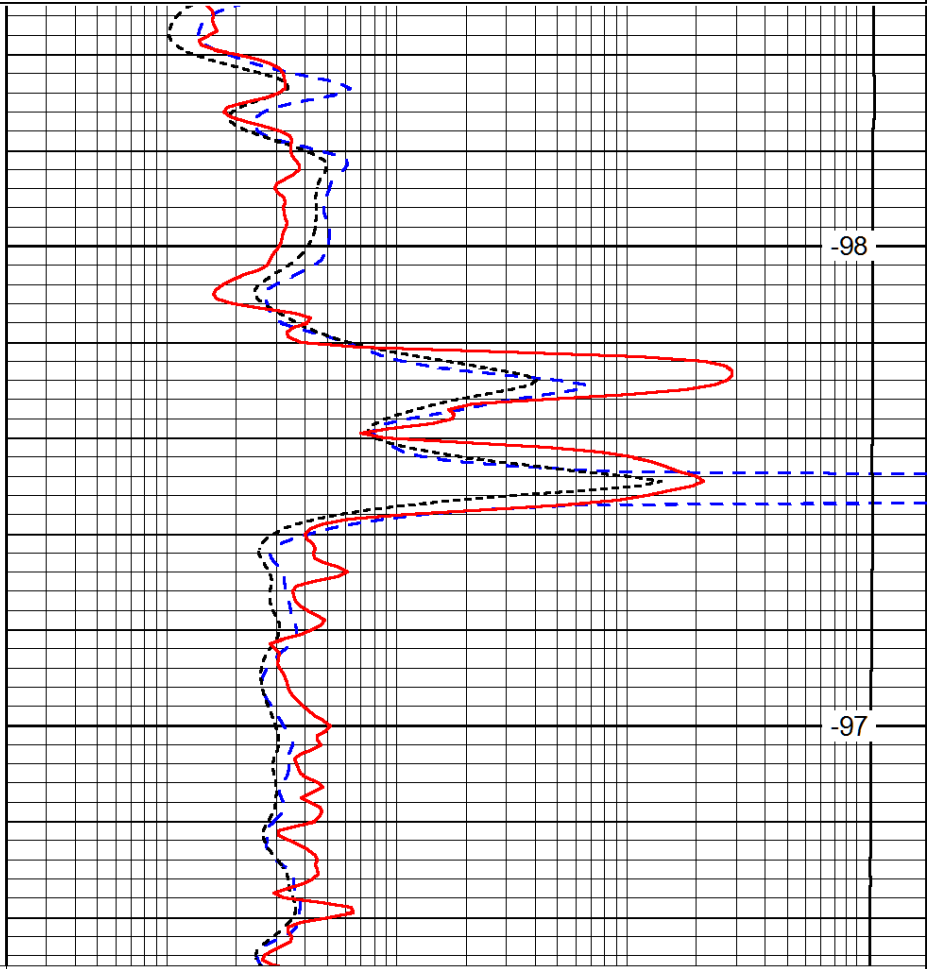
0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



350

400



-98

-97

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP (mV)	0

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

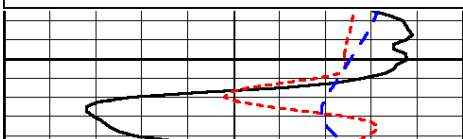
LSPD

Database File: carrie_audrey_c_1hd.db
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 Presentation Format: dil
 Dataset Creation: Sat Aug 16 23:22:05 2014
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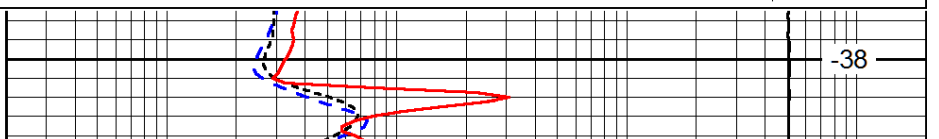
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-160	RXO/RT	40
-200	SP (mV)	0

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

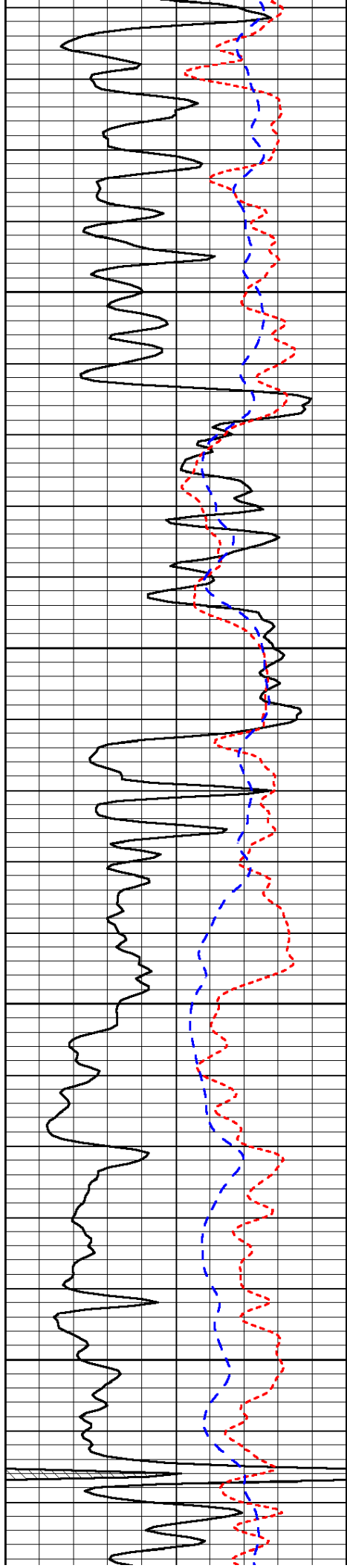
LSPD



2600



-38

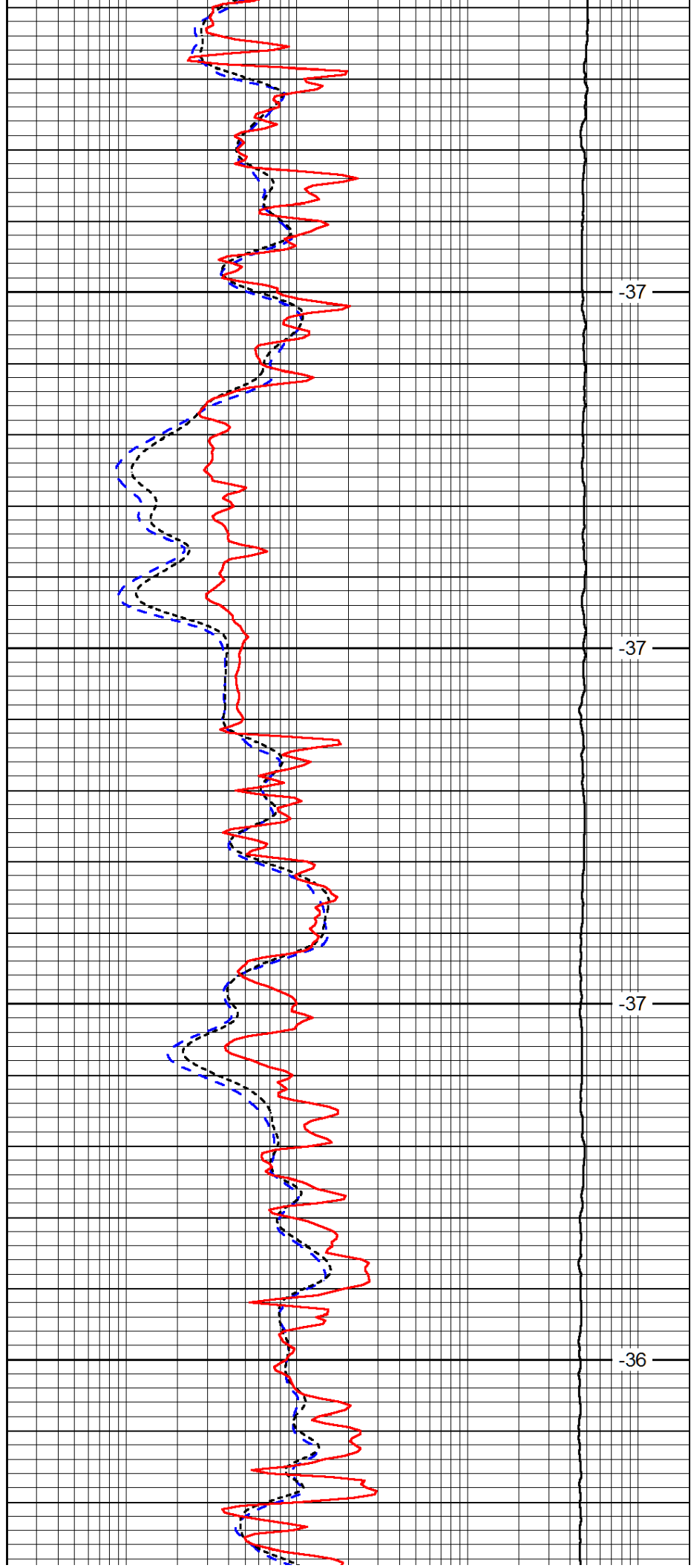


2650

2700

2750

2800

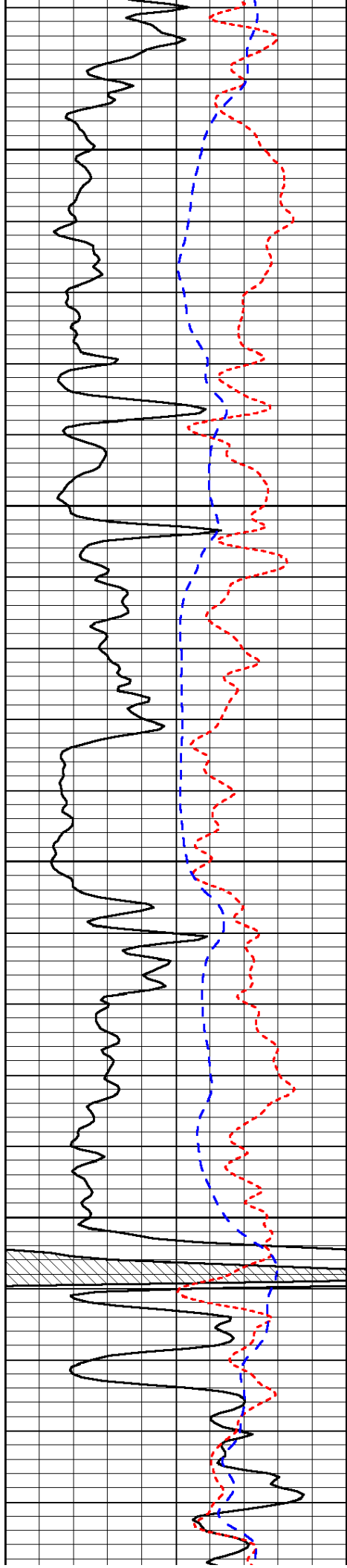


-37

-37

-37

-36

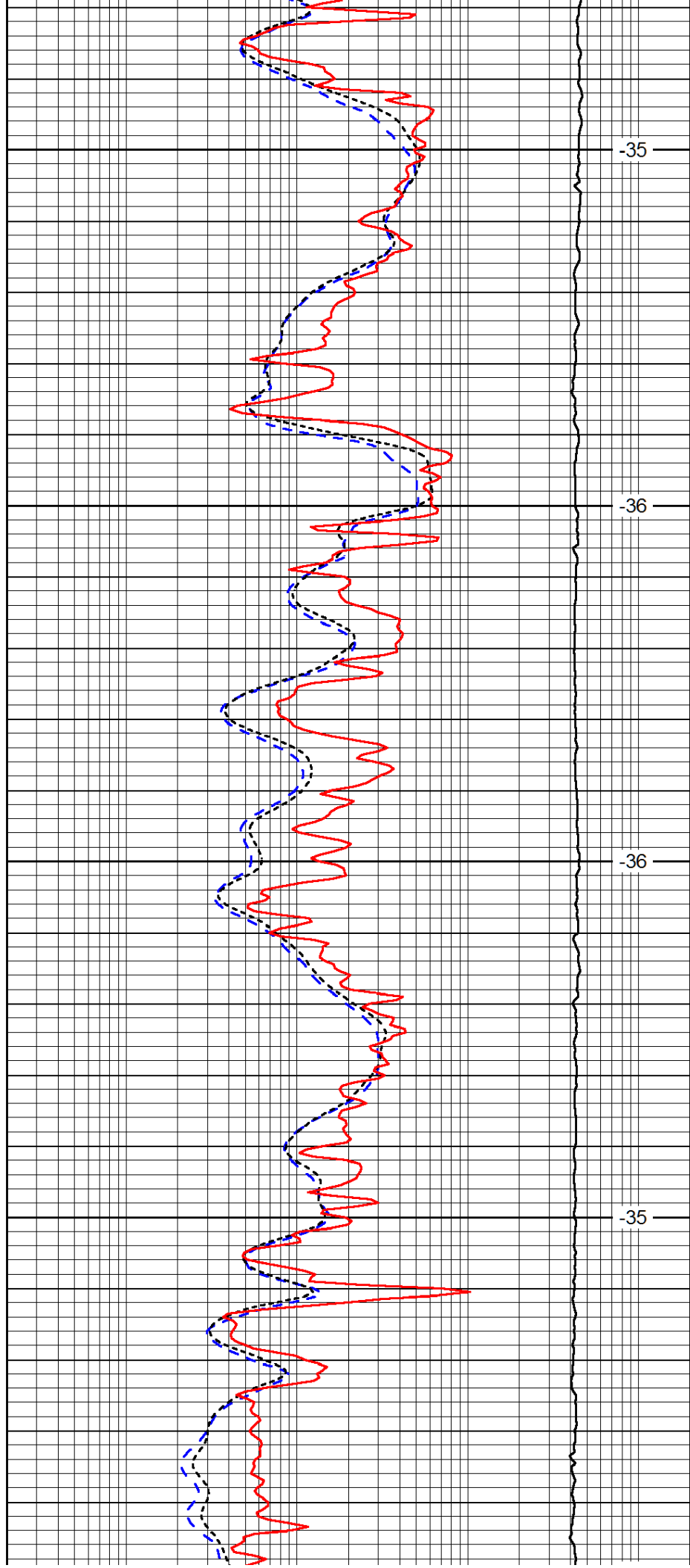


2850

2900

2950

3000

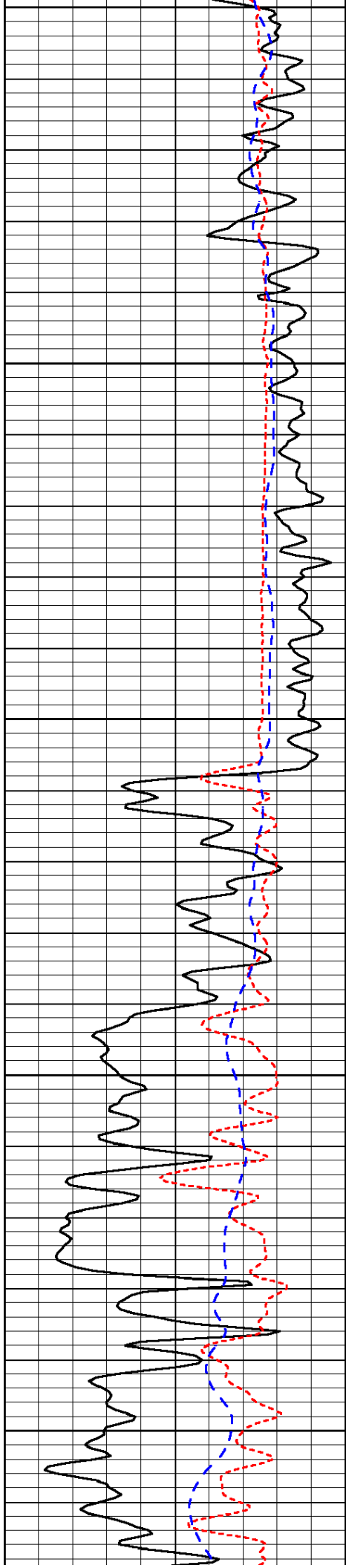


-35

-36

-36

-35



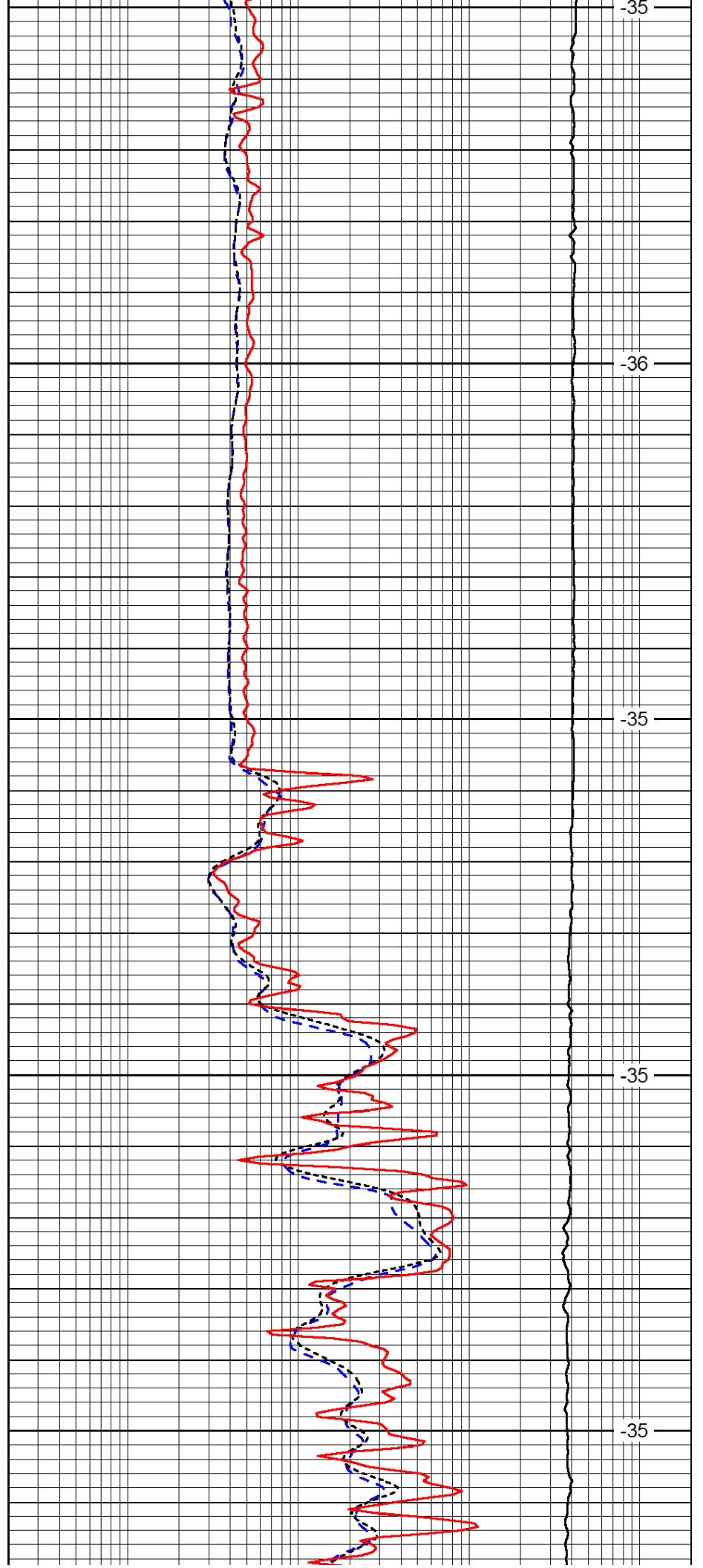
3050

3100

3150

3200

3250



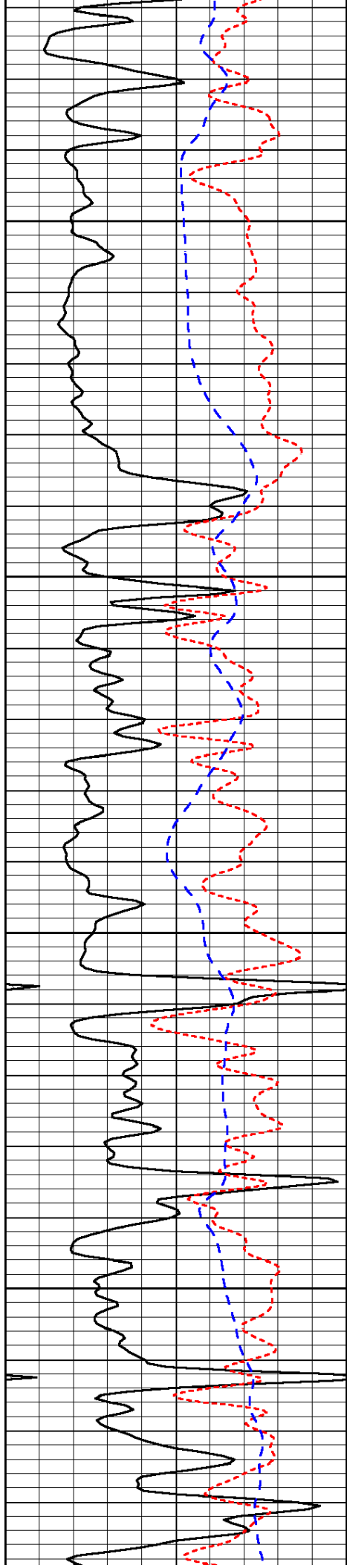
-35

-36

-35

-35

-35

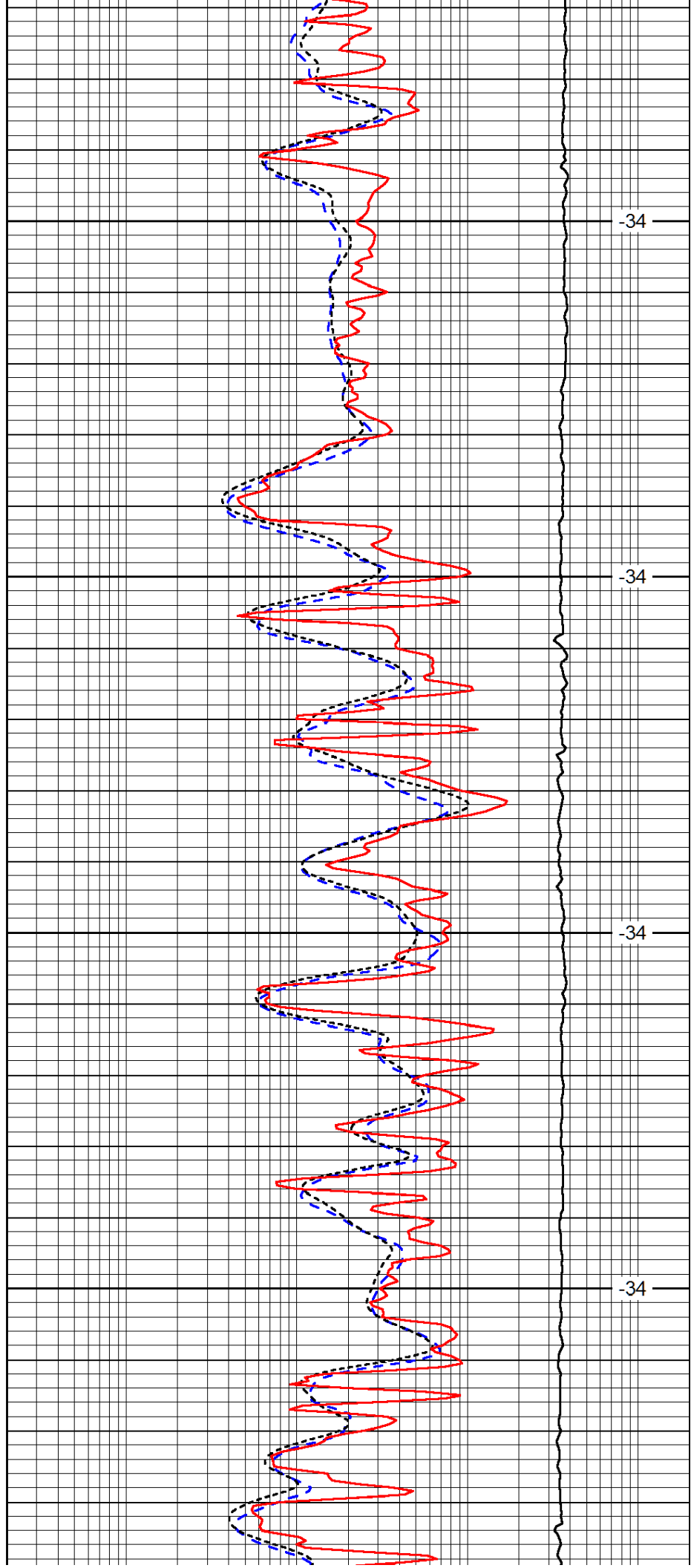


3300

3350

3400

3450

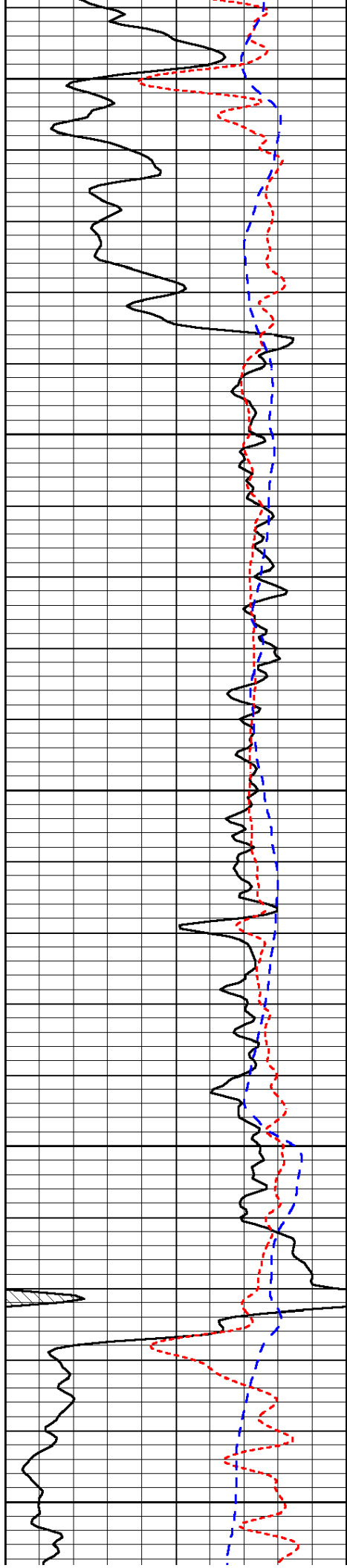


-34

-34

-34

-34



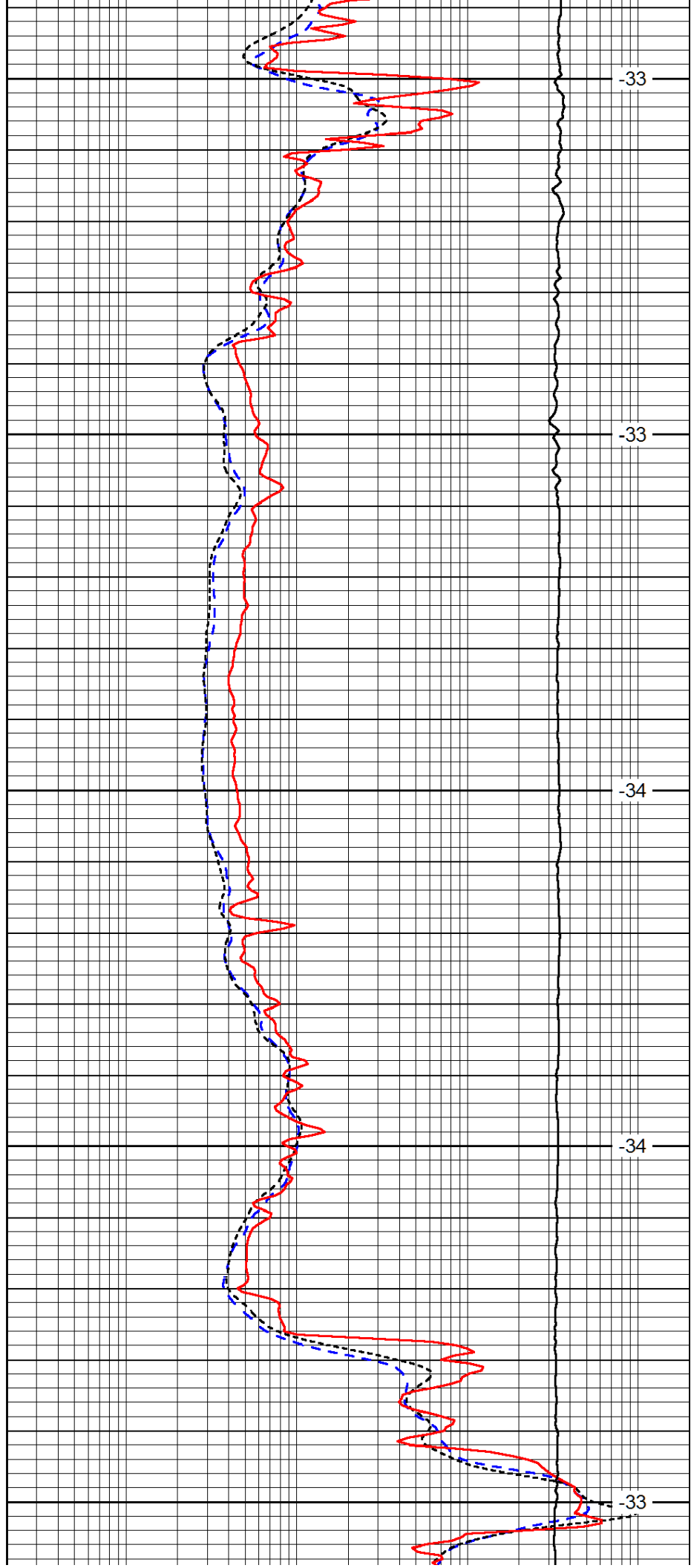
3500

3550

3600

3650

3700



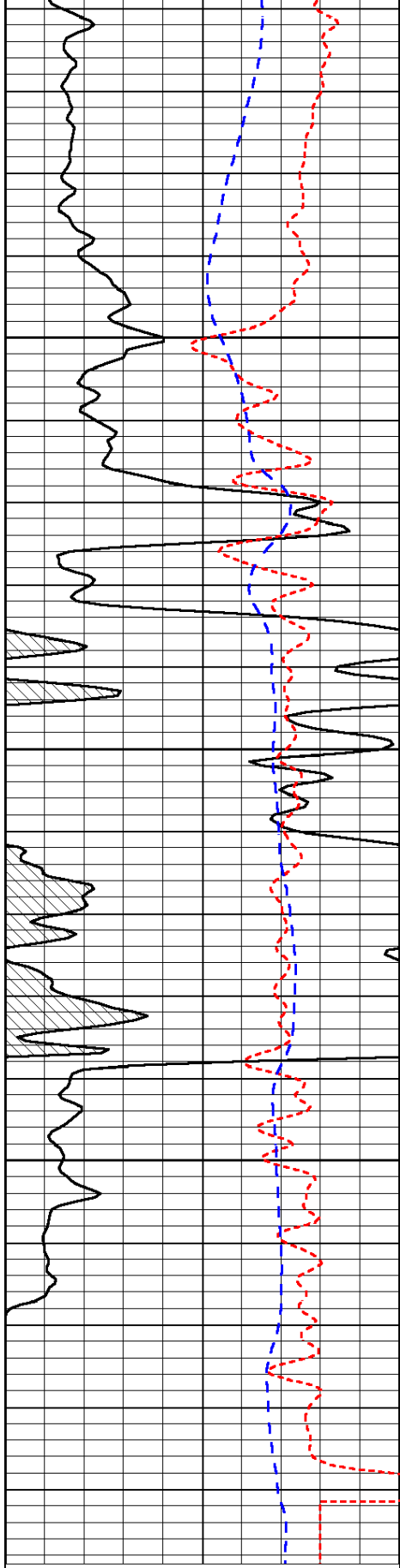
-33

-33

-34

-34

-33

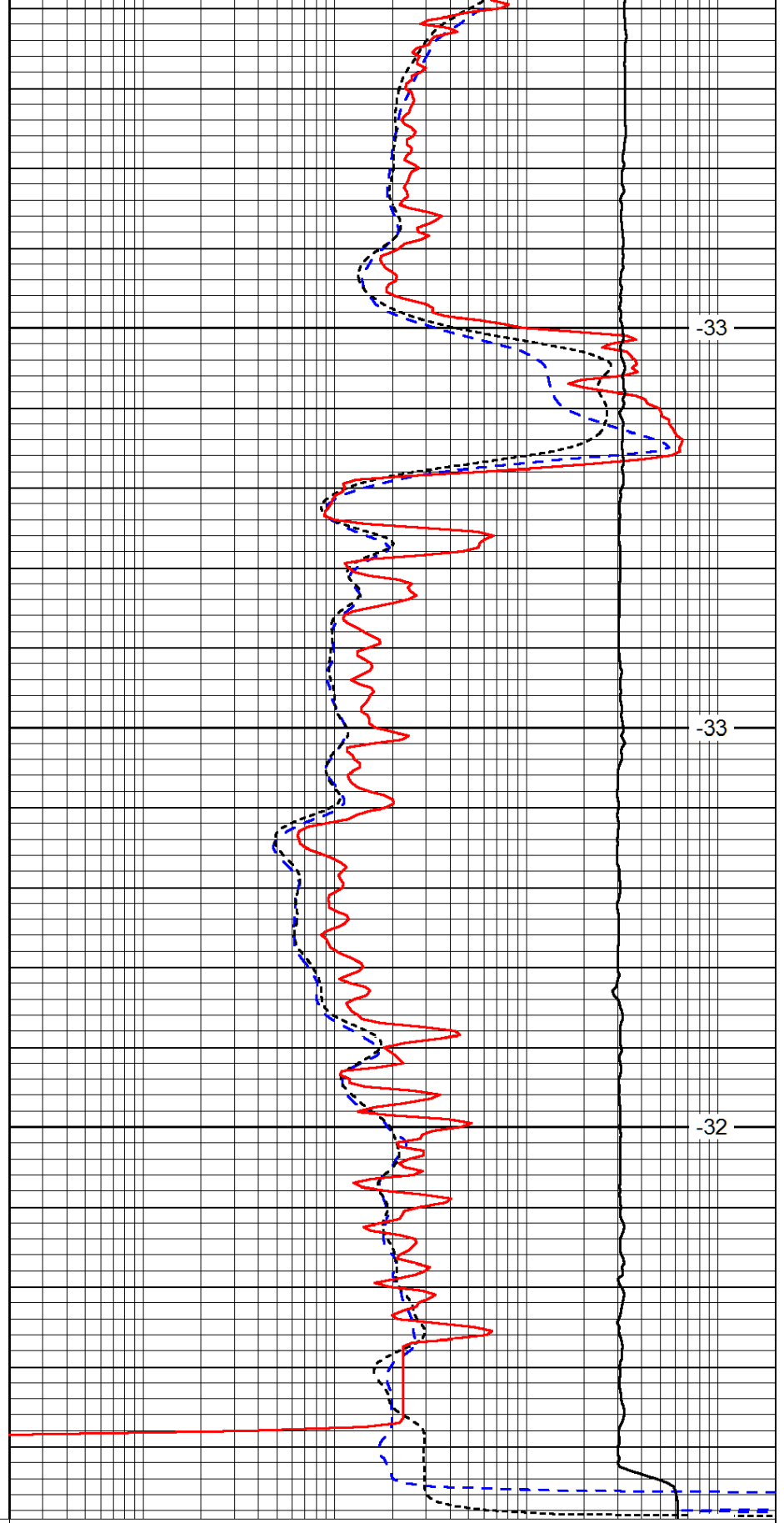


3750

3800

3850

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP (mV)	0



-33

-33

-32

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

LSPD



Pioneer Energy Services

Microresistivity Log

26-057-21,794-00-00

Company Berexco, LLC
Well Haines No. 1-31
Field Wildcat
County Dundy **State** Nebraska

Location 570' FNL & 570' FEL
Sec: 31 **Twp:** 2N **Rge:** 37W
Other Services RAG

Permanent Datum Ground Level Elevation 3134
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing
Elevation K.B. 3147
 D.F. 3134
 G.L. 3134

Date	8/16/2014
Run Number	Two
Depth Driller	4500
Depth Logger	4497
Bottom Logged Interval	4496
Top Log Interval	3680
Casing Driller	8.625 @ 310
Casing Logger	306
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	800
Density / Viscosity	9.2 55
pH / Fluid Loss	11.5 6.0
Source of Sample	Flowline
Rm @ Meas. Temp	.54 @ 90
Rmf @ Meas. Temp	.41 @ 90
Rmc @ Meas. Temp	.73 @ 90
Source of Rmf / Rmc	Charts
Rm @ BHT	.40 @ 121
Operating Rig Time	3 1/2 Hours
Max Rec. Temp. F	121
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Pete Vollmer

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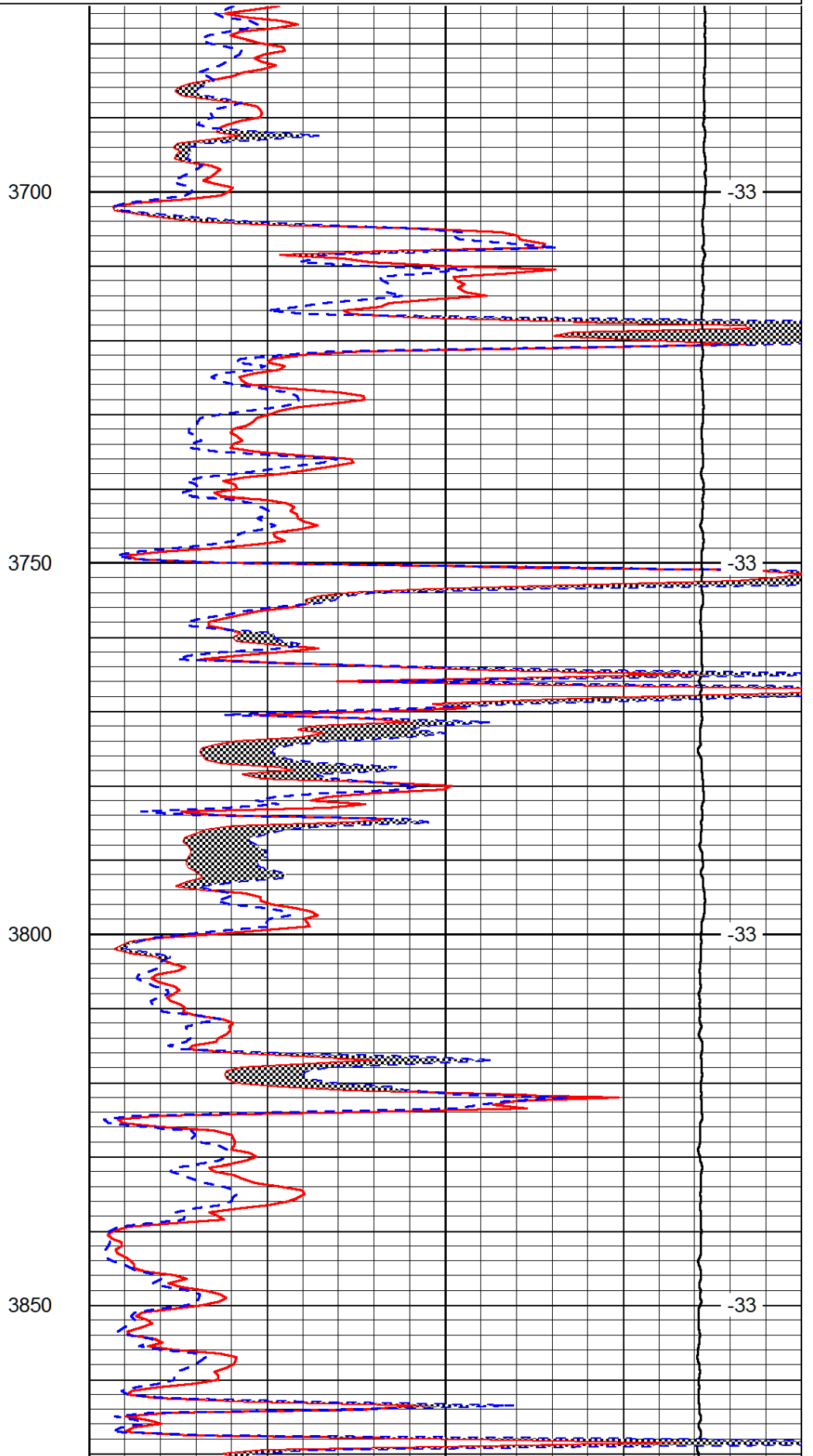
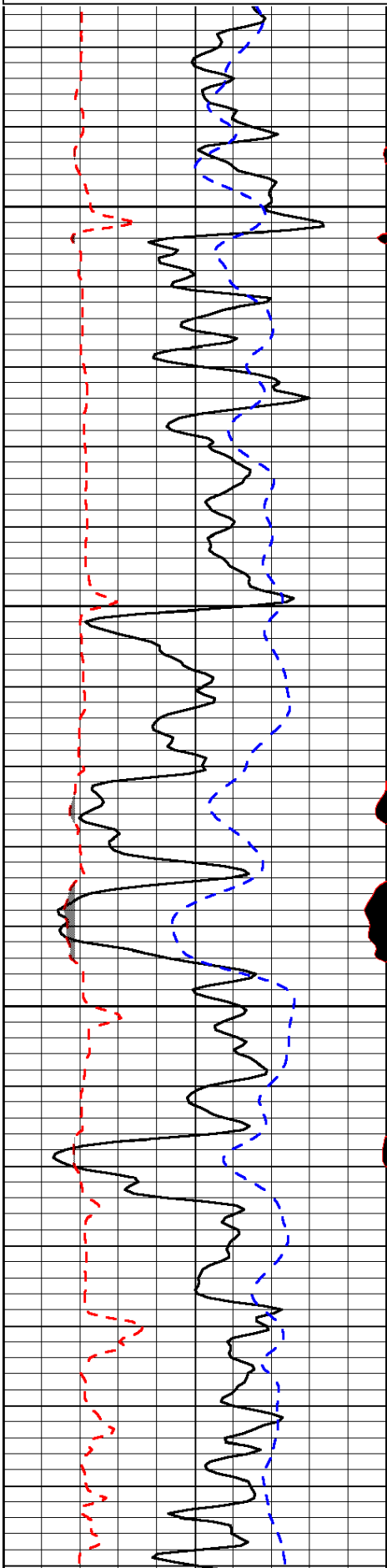
Benkelman, 3 North, 1/4 West, South Into

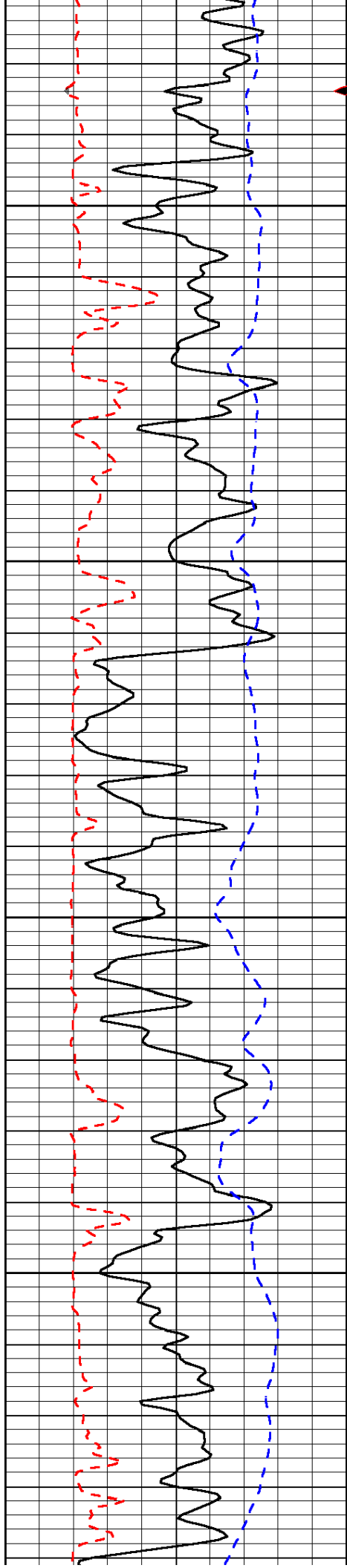
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 Presentation Format: micro
 Dataset Creation: Sat Aug 16 23:41:13 2014
 Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD



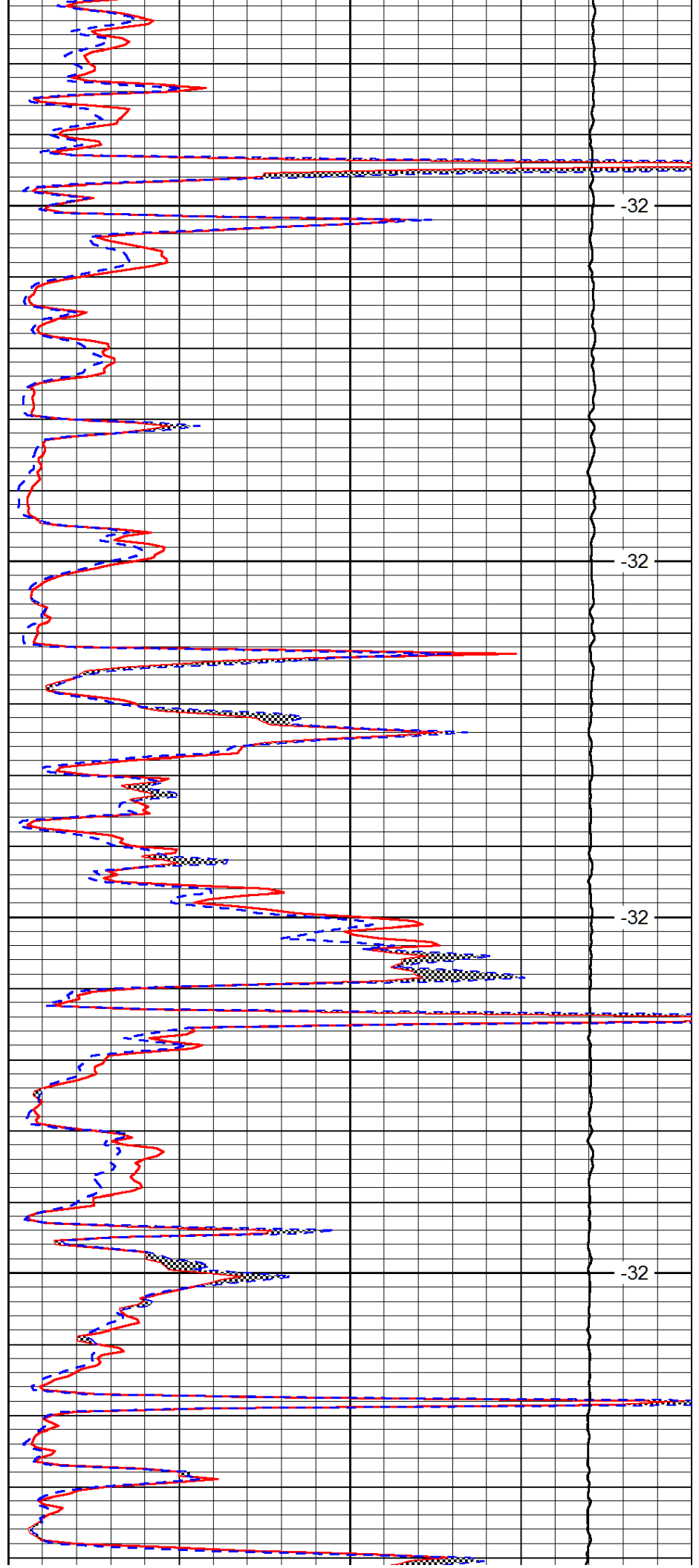


3900

3950

4000

4050

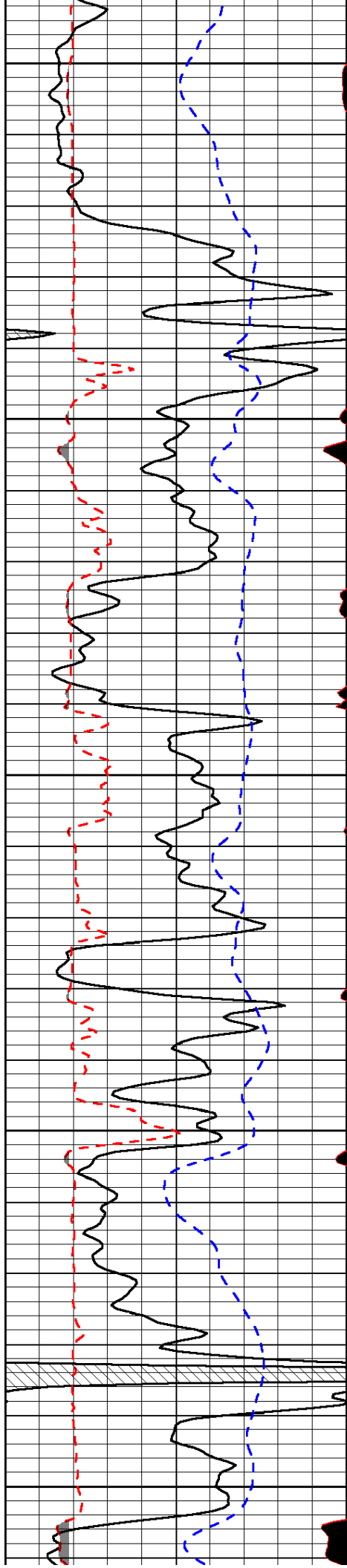


-32

-32

-32

-32



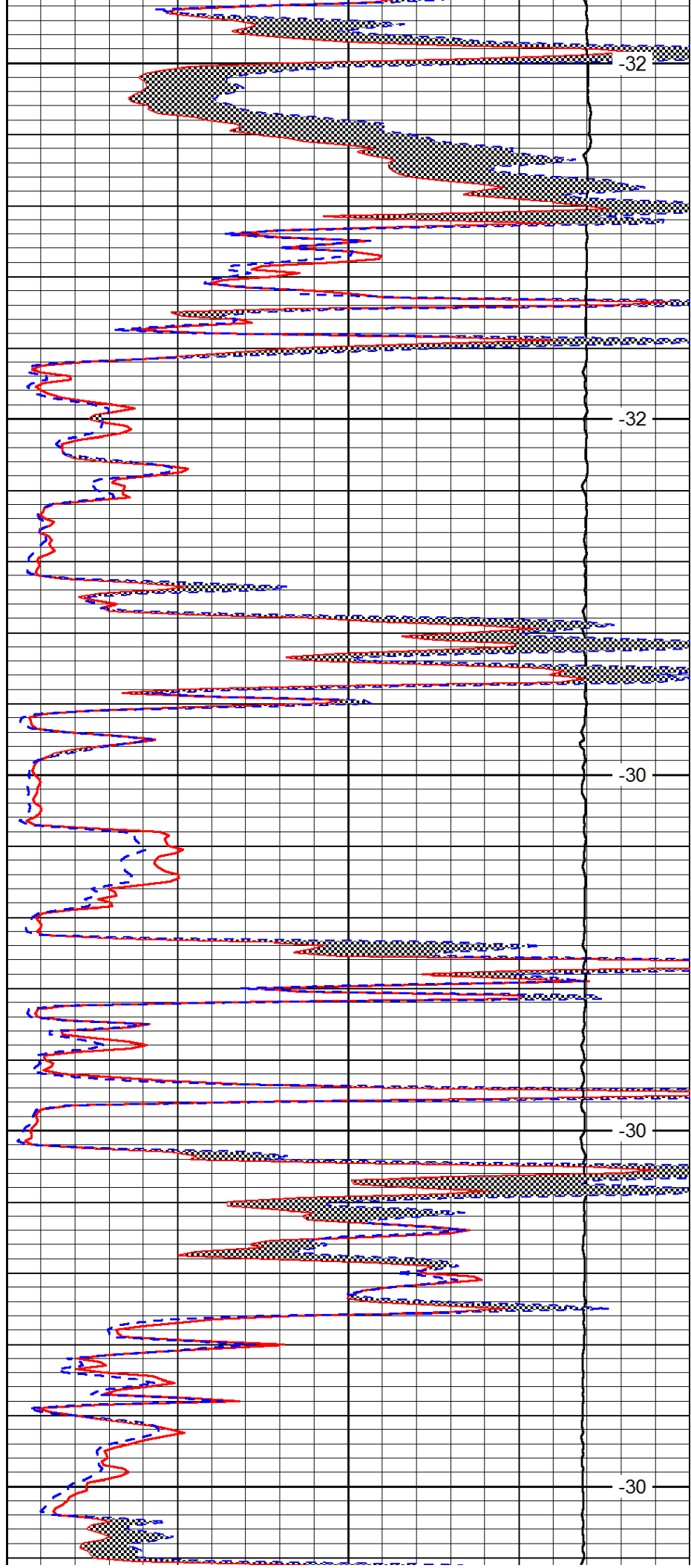
4100

4150

4200

4250

4300



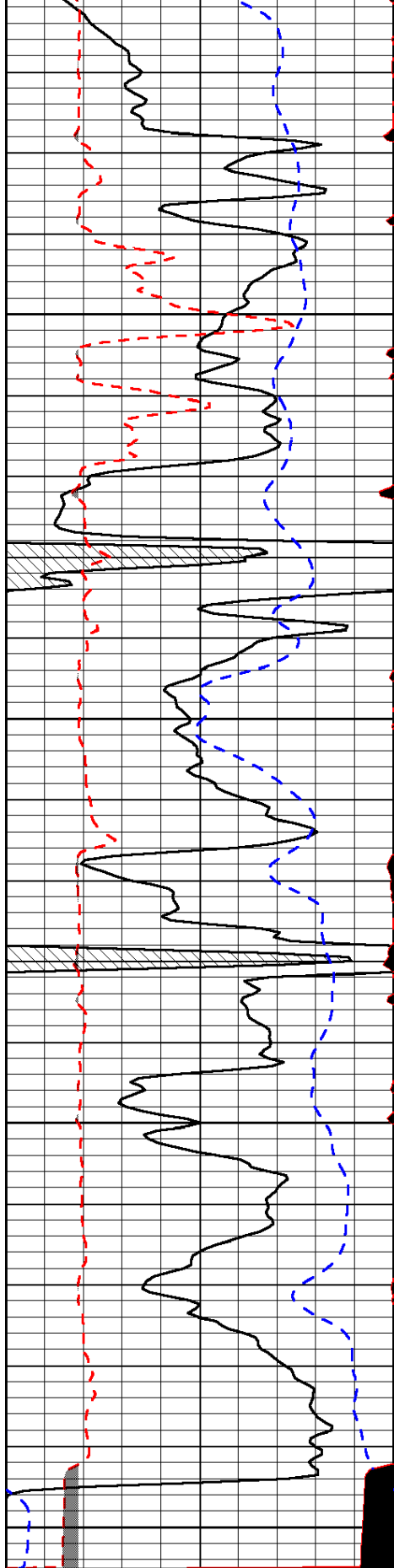
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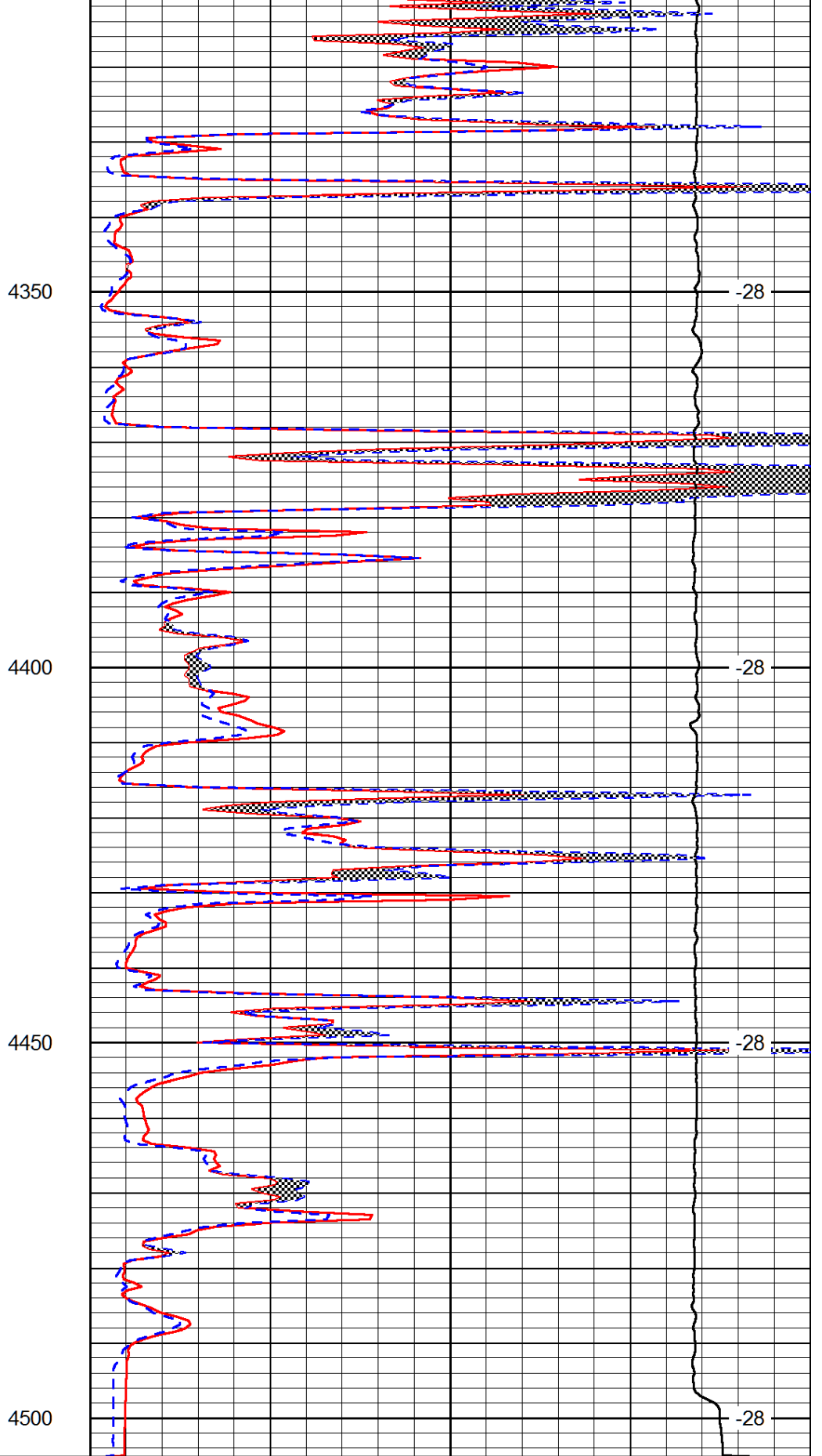
-30

-30

-30



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



0	Micro Inverse 1 X 1	40
0	Micro Normal 2''	40
10000	Line Weight	0

LSPD



Pioneer Energy Services

Dual Compensated Porosity Log

Company Carrie Exploration and Development
Well Audrey No. C-1
Field Zenith Peace Creek North
County Reno **State** Kansas

Location E2-SE-SW-NW
 2310' FNL & 1064' FWL
Sec: 30 **Twp:** 22S **Rge:** 9W

Permanent Datum Ground Level Elevation 1739
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
 DIL/MEL
Elevation
 K.B. 1748
 D.F. 1739
 G.L. 1739

15-155-21,692-00-00

Date	8/16/14						
Run Number	One						
Type Log	CNL / CDL						
Depth Driller	3900						
Depth Logger	3893						
Bottom Logged Interval	3872						
Top Logged Interval	2600						
Type Fluid In Hole	Chemical						
Salinity, PPM CL	N/A						
Density	N/A						
Level	Full						
Max. Rec. Temp. F	119						
Operating Rig Time	4 Hours						
Equipment -- Location	10 Hays						
Recorded By	J. Henrickson						
Witnessed By	Steve Reed						
Borehole Record			Casing Record				
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	260	8.625	23#	00	260
Two	7.875	260					

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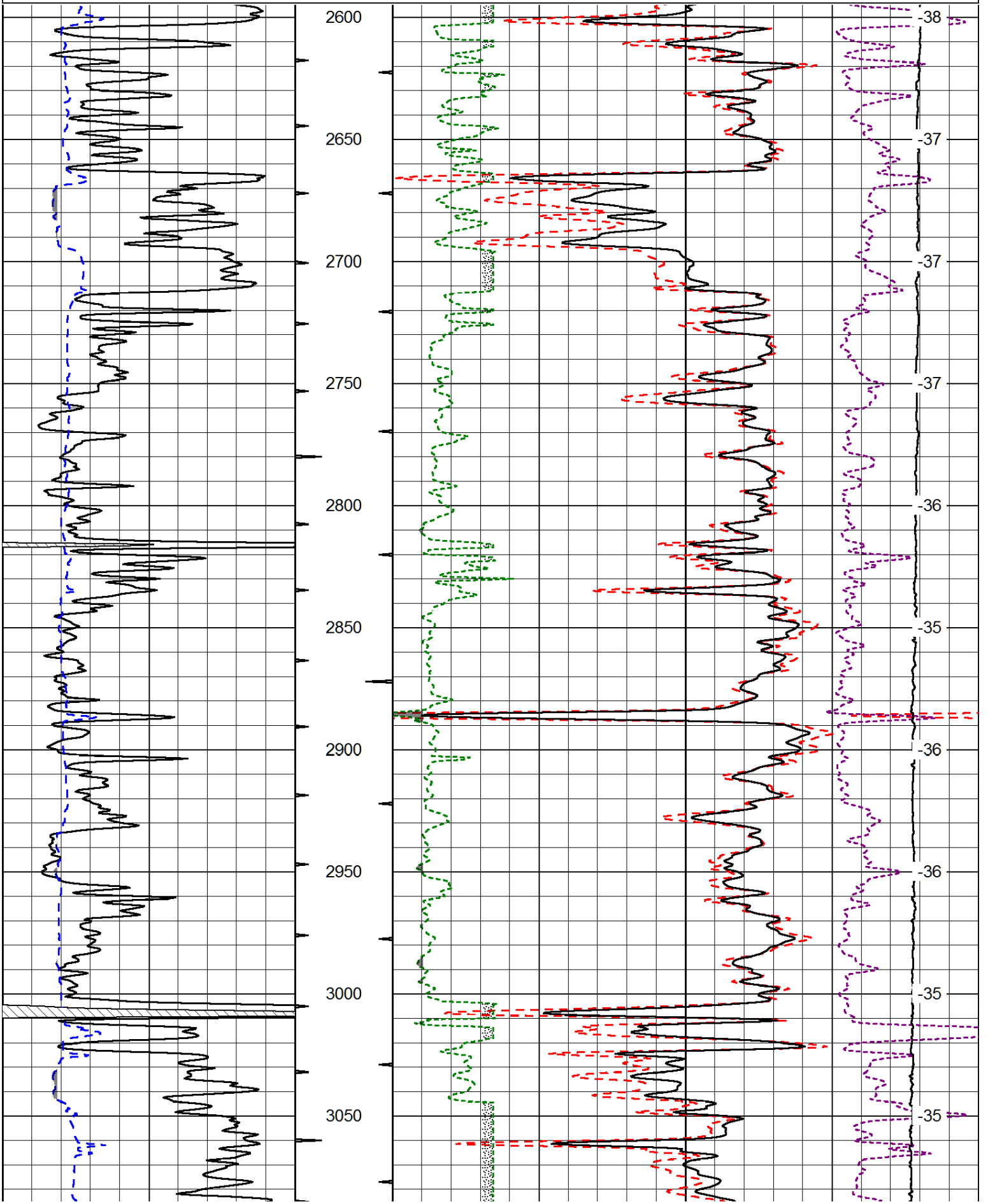
Comments

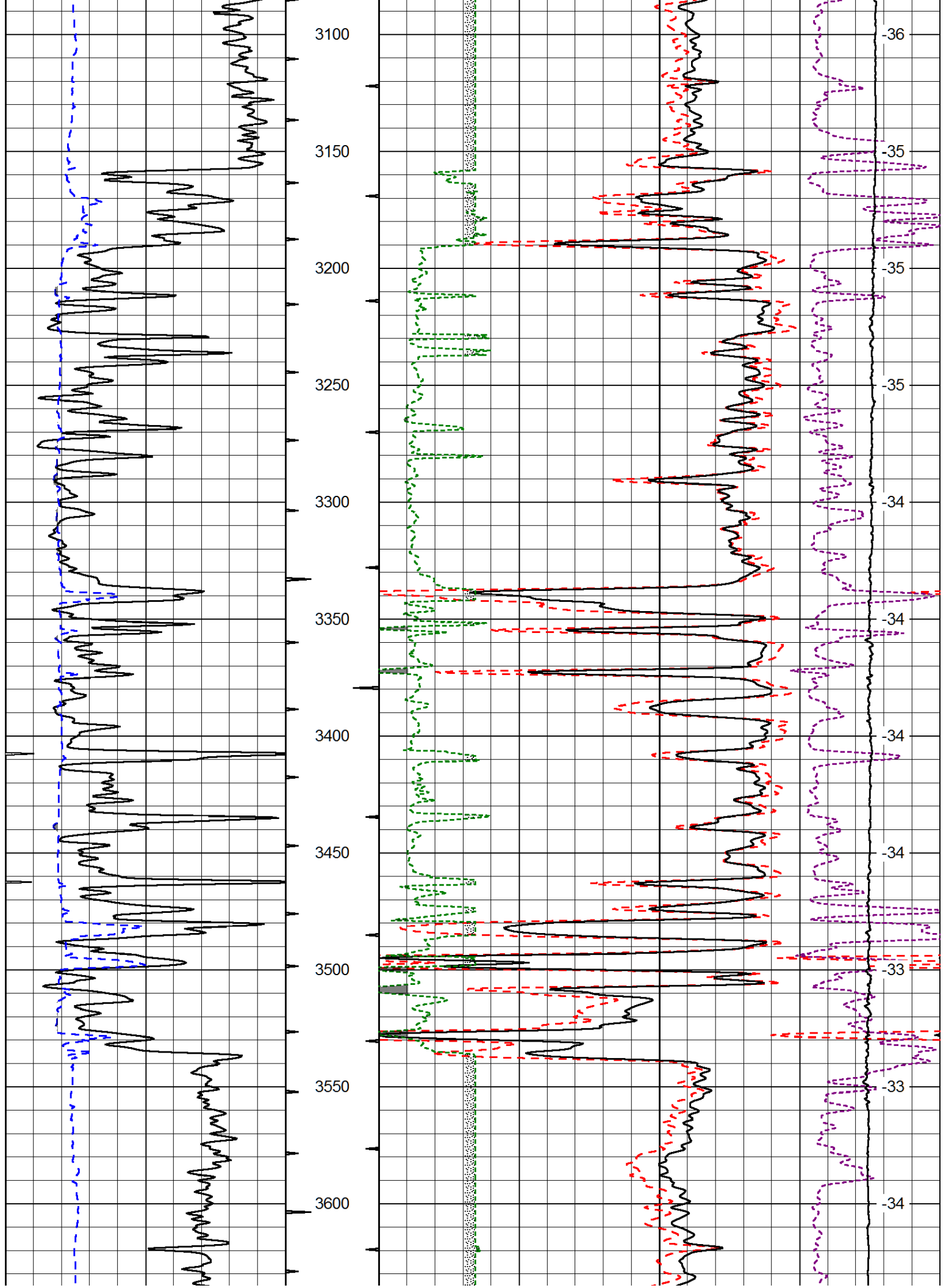
Thank you for using Log-Tech, Inc.
 (785) 625-3858
 Great Bend Kansas
 South to HWY 19, 23 East to Langdon Rd, 4 South, 2 West, 1/2 North, East Into

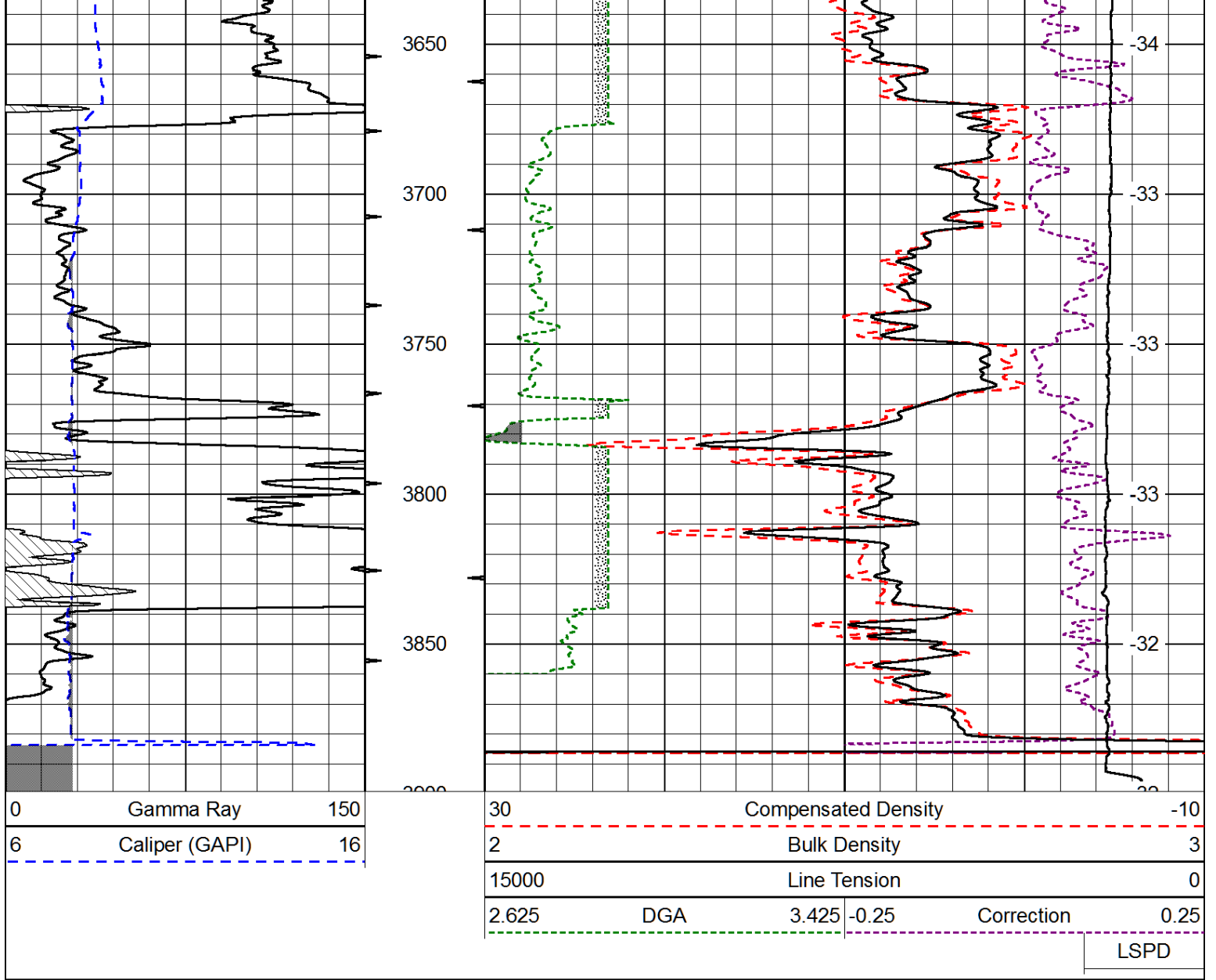
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Presentation Format:	cdl
Dataset Creation:	Sat Aug 16 23:22:05 2014
Charted by:	Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			







Database File: carrie_audrey_c_1hd.db
 Dataset Pathname: DIL/carstk
 Presentation Format: cndlspec
 Dataset Creation: Sat Aug 16 23:22:05 2014
 Charted by: Depth in Feet scaled 1:240

