



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1070683  
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: \_\_\_\_\_

1070683

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](mailto: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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 09, 2012

Tom Denning  
TDI, Inc.  
1310 BISON RD  
HAYS, KS 67601-9696

Re: ACO1  
API 15-051-26186-00-00  
Munsch 5  
SE/4 Sec.09-15S-18W  
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Tom Denning



108 W. 35th ST.  
PH. 786-625-3380  
HAYS, KS 67601

**HERB DENNES**  
CONSULTING GEOLOGIST

COMPANY **TDI, Inc.**  
WELL **Musch # 5**  
FIELD **Schoonover**

COUNTY **Ellis** STATE **Kansas**  
LOCATION: **330' EBL + 945' FEL, SE 1/4**  
LOGGING BY: **KB 2044**  
DATE: **9-21-2011**

LOG TECH: **9** TYPE: **15** ROE: **180** GL: **2036'**  
1. **Qual. Evaluation Log**  
2. **Detailed Lithological Log**  
3. **Stratigraphic Correlation**  
4. **Geological Cross-section**  
5. **Geological Map**  
6. **Geological Section**  
7. **Geological Section**  
8. **Geological Section**  
9. **Geological Section**  
10. **Geological Section**

Production casing 5 1/2" set to 2747' w/ 15000 PSI  
30 x 30 1/2" 15000 PSI  
Drilling Time 2900' - RTD  
Samples 2900' - RTD

REMARKS: Recommendation To Run casing based on favorable STRENGTH in Anhydrite and excellent development of porosity in upper Anhydrite.

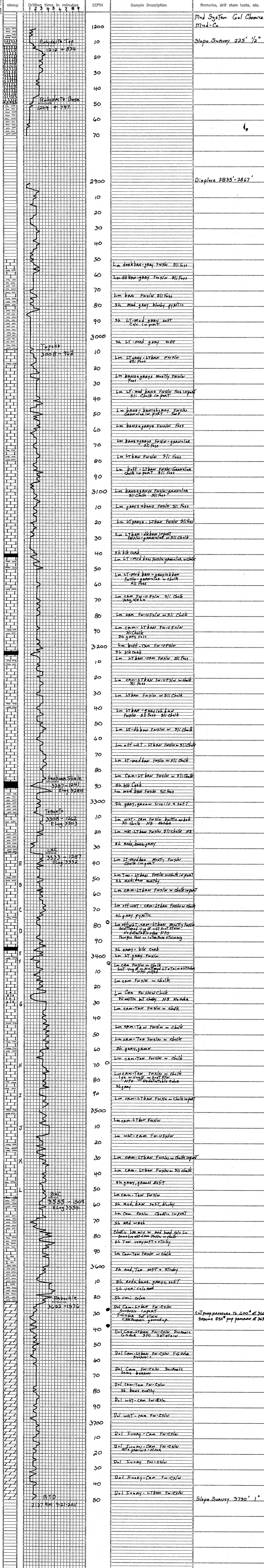
Herb Dennes

Formation	Sample	Log	Datum	±	Formation	Sample	Log	Datum	±
Anhydrite Top	1215	1212	+ 834						
Anhydrite Base	1291	1249	+ 797						
Tapeka	3008	3008	- 962						
Hambura Shale	3287	3284	- 1238						
Tombato	3308	3303	- 1237						
LAC	3333	3332	- 1286						
BAC	3555	3554	- 1508						
Anhydrite	3619	3622	- 1576						
RTD	3750								
LTD		3747	- 1703						

LEGEND

--	--	--	--	--	--	--	--	--

SCALE " = 100'



Cul prop pressure to 600' at 3600'  
Pressure 850' prop pressure at 3650'

Slope Survey 3750' 1'



JOB LOG

SWIFT Services, Inc.

DATE 09-21-11 PAGE NO. 1

CUSTOMER TDZ	WELL NO. 5	LEASE MANSCH	JOB TYPE 2STAGE	TICKET NO. 20288
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1900							ENLOCATION
								CMZ BOTTOM 150 S.O. STD EA-2
								TOP 150 S.O. STD
								RTO-3750, S&P PL 3719, SJ 43.43, INSET 3705
								5 1/2 14" DI. V.ION TOP #60, 1017 FT
								CENT 1.3.5.7.9.11.59.77.80 JAWES 2.6.13.40.78
								JUNTS 66.74.87 = 320TK
	1930							START CW RFE
	2115							TRAILER - DRAINAGE
	2125							BREAK CIRC & REWIND PIPE
	2225	4.5	12.0		-	200		500GR MUD FLUIT
			20.0		-			2000LS KEL FLUIT
	2240		36.5		-			150 S.O. EA-2
								DROP LD PULG, WASHMUT PL
	2245	6.0	0		-	200		START D.O.S.D 1/2" PL
			61.0		-	400		" " 1/2" PL
			76.0		-	500		" " 1/2" PL
			85.0		-	650		
	2300		90.4		-	1500		LAND PULG,
								RELEASE - DRY
								DROP D.O. OPENING PART
	2305		7.4					PLUG RH 30, MH 15
	2315		5.0		-	900		OPEN D.O. - C120
	<del>2320</del>	5.7	61.0		-	2000		110 S.O. STD
	2330							DROP D.O. CLOSING PLUG
	2334	5.5	0		-	100		START D.O.S.D
			15.0		-	300		
			27.0		-	400		
	2350		29.7		-	400		LAND & CLOSE D.O., CMZ IN CLEAR!
								57.10 S.O. MAX!
	0015							JOB COMPLETE
								THANK YOU!
								DAVE JOHNSON, DONG

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

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

No. 5096

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-16-11				Ellis	Kansas		9:30PM
Lease <i>Munsch</i>	Well No. <i>5</i>		Location <i>Hays 85 &amp; W Viola</i>				
Contractor <i>Southwind Drilling Rig 1</i>	Owner			To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job <i>Surface</i>	T.D. <i>225</i>			Charge To <i>TDI</i>			
Hole Size <i>12 1/4</i>	Depth <i>223</i>			Street			
Csg. <i>8 3/8 23 1/2</i>	Depth			City			
Tbg. Size	Depth			State			
Tool	Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <i>10-15'</i>	Displace <i>134</i>			Cement Amount Ordered <i>150 Common</i>			
Meas Line	EQUIPMENT			<i>3 1/2 Gall 2 1/2 gal</i>			
Pumptrk <i>9</i> No. Cementer <i>Steve</i>	Helper			Common <i>150</i>			
Bulktrk <i>8</i> No. Driver <i>Matt</i>	Driver			Poz. Mix			
Bulktrk No. Driver <i>Brian S</i>	Driver			Gel. <i>3</i>			
JOB SERVICES & REMARKS				Calcium <i>5</i>			
Remarks:				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
<i>Cement did Circulate</i>				Sand			
				Handling <i>158</i>			
				Mileage			
				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge <i>Surface</i>			
				Mileage <i>8</i>			
				Tax			
				Discount			
				Total Charge			
X Signature <i>Frank Rowel</i>							

*Thank You*

X Signature *Frank Rowel*



# Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.	15-051-26,186-00-00	
Company	TDI, Inc.	
Well	Munsch No. 5	
Field	Schoenchen	
County	Ellis	State
		Kansas
Location	E2 SW SE SE 330' FSL & 945' FEL	
Sec: 9	Twp: 15S	Rge: 18W
Permanent Datum	Ground Level	Elevation 2036
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL MEL
		Elevation K.B. 2046 D.F. 2036 G.L. 2036

Date	9/21/2011
Run Number	One
Depth Driller	3750
Depth Logger	3749
Bottom Logged Interval	3748
Top Log Interval	200
Casing Driller	8.625 @ 223
Casing Logger	222
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	1800
Density / Viscosity	9.2   56
pH / Fluid Loss	10.5   6.8
Source of Sample	Flowline
Rm @ Meas. Temp	.90 @ 78
Rmf @ Meas. Temp	.68 @ 78
Rmc @ Meas. Temp	1.22 @ 78
Source of Rmf / Rmc	Charts
Rm @ BHT	.62 @ 114
Operating Rig Time	4 Hours
Max Rec. Temp. F	114
Equipment Number	10
Location	Hays
Recorded By	J. Long
Witnessed By	Herb Deines

<<< Fold Here >>>

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

Hays, 7 South to Norfolk Road, 1/4 West, North Into

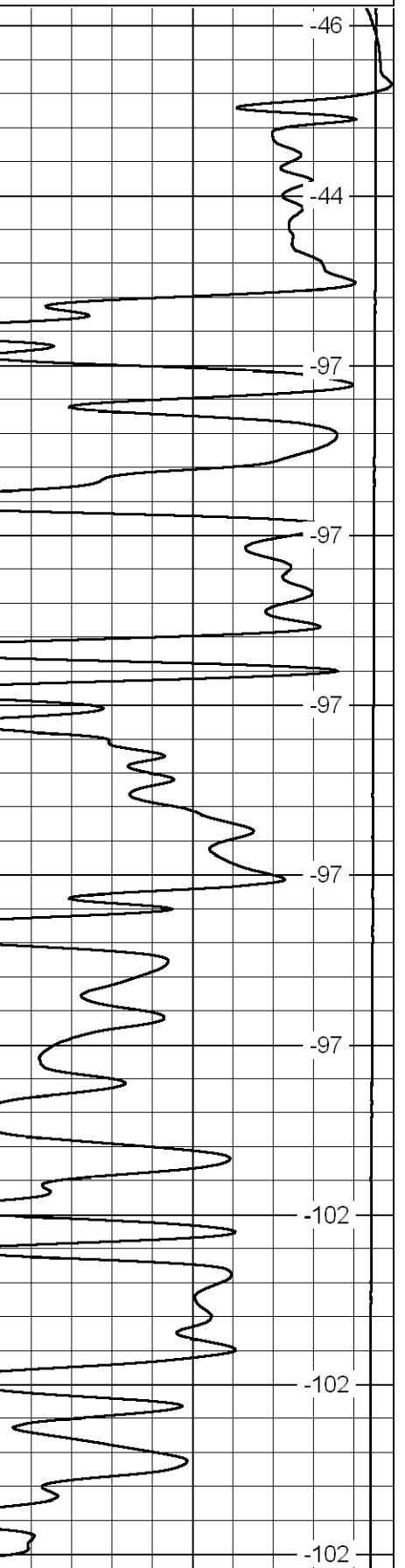
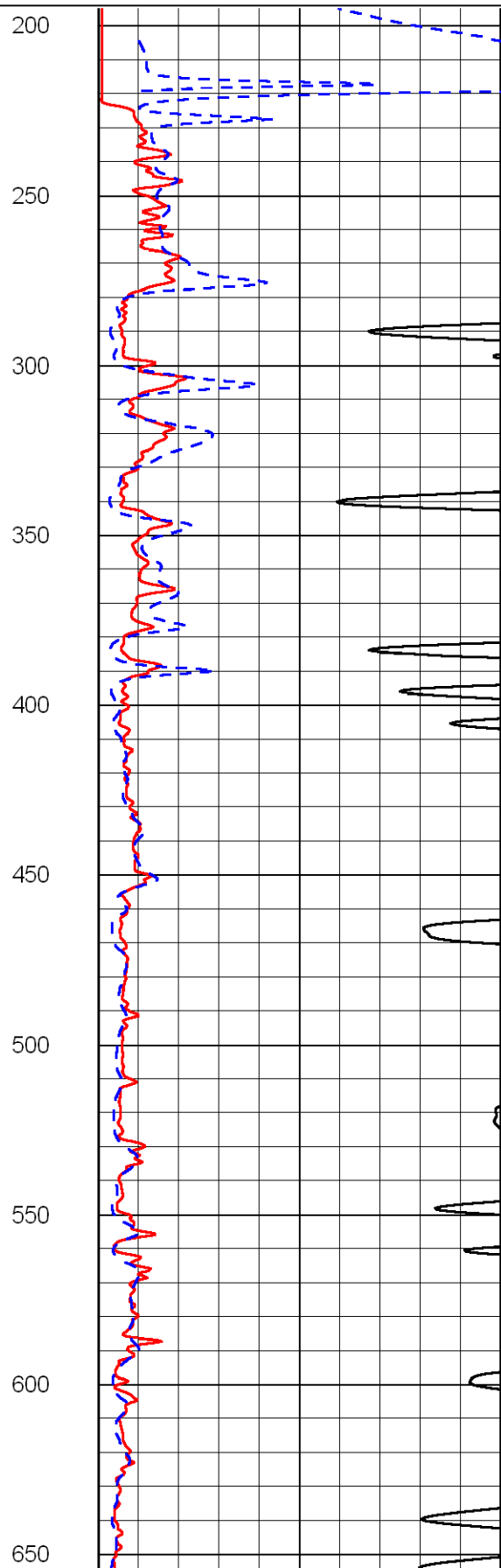
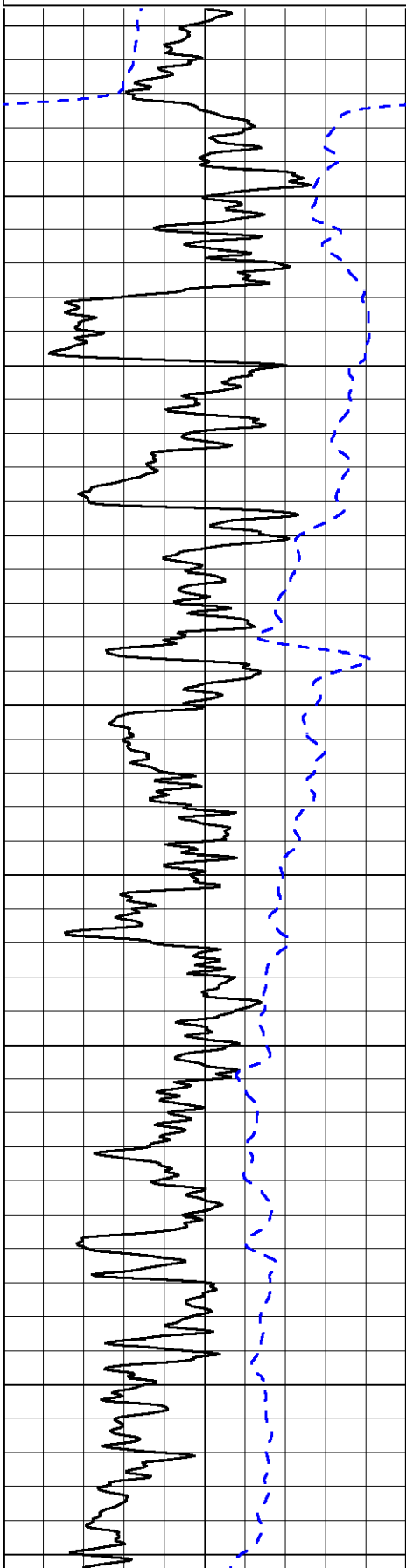
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-200 SP (mV) 0

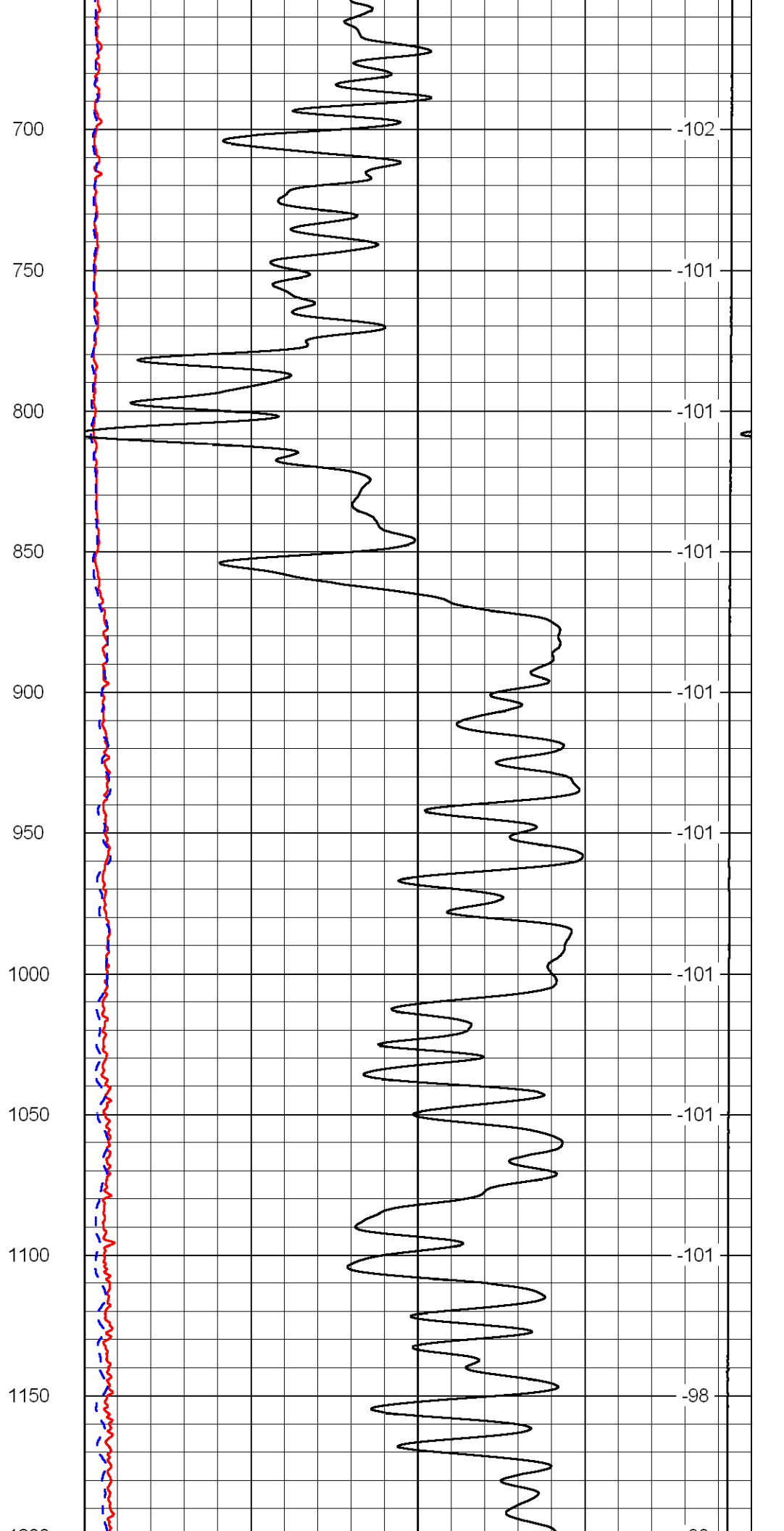
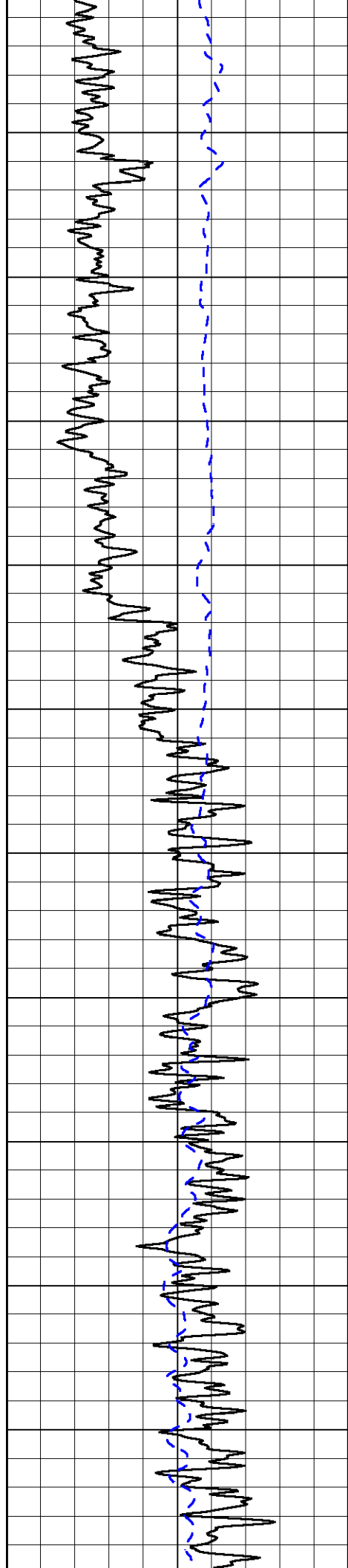
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0 Deep Resistivity (Ohm-m) 50  
1000 Conductivity (mmho/m) 0  
15000 Line Tension (lb) 0

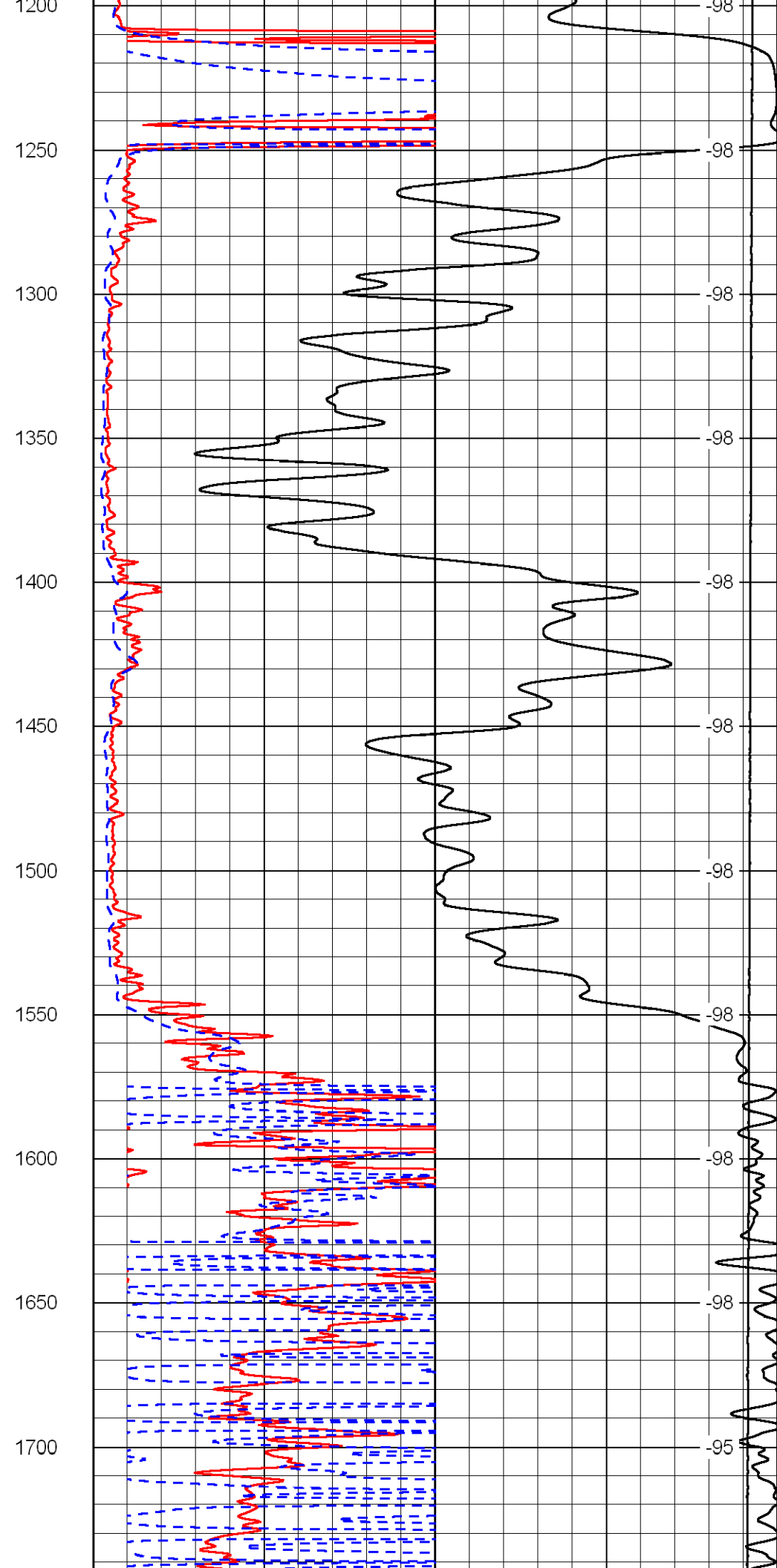
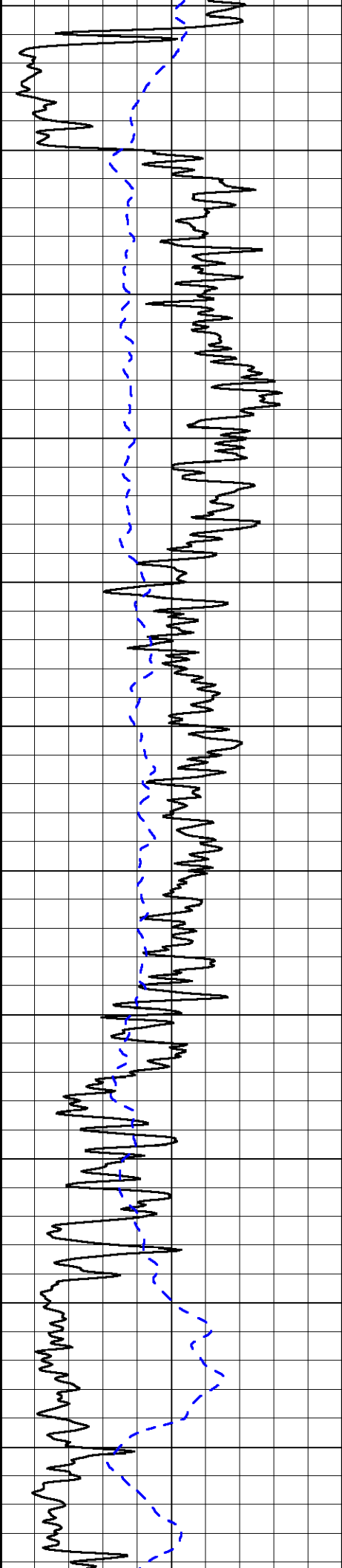
LSPD  
(ft/min)

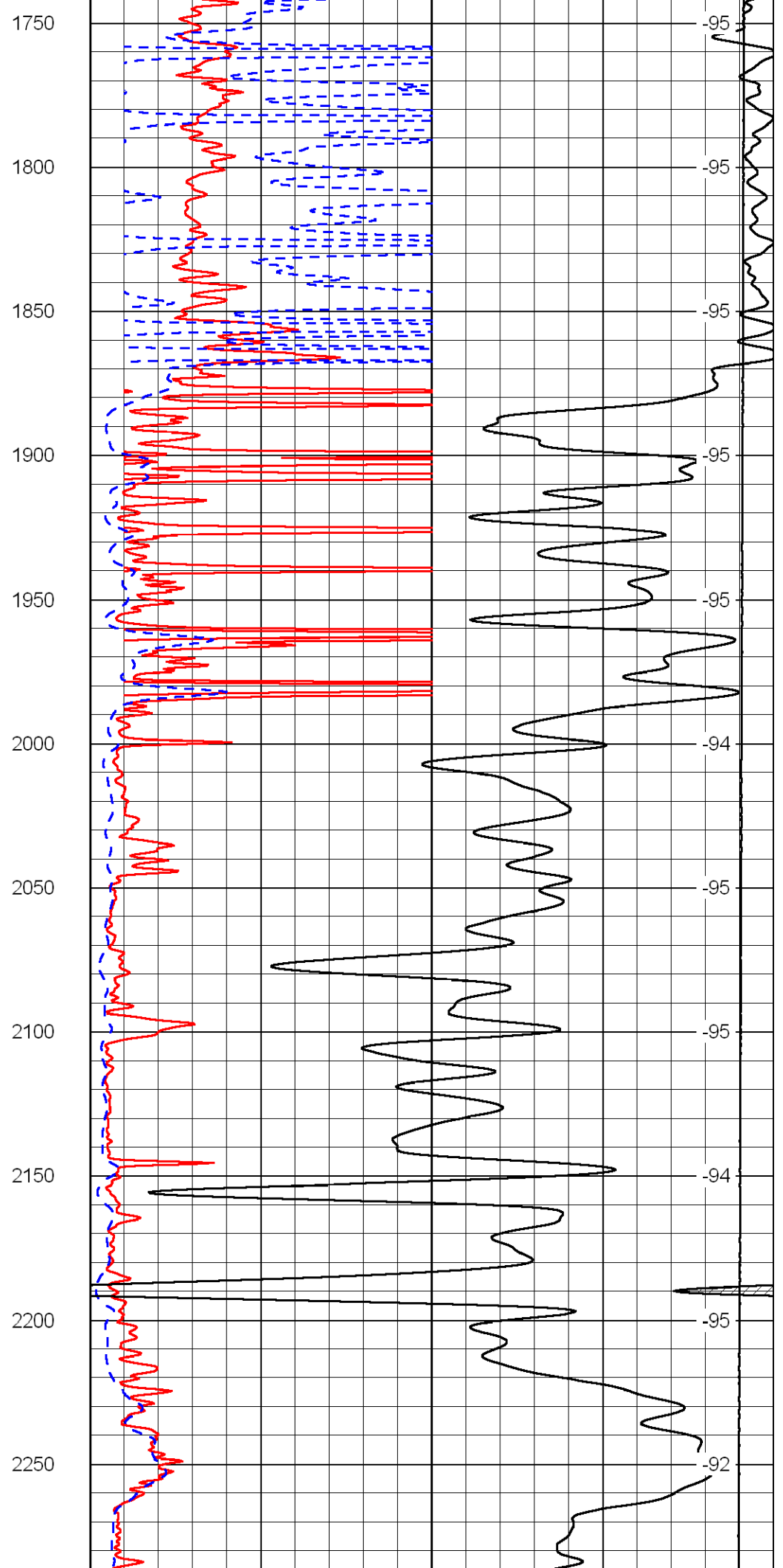
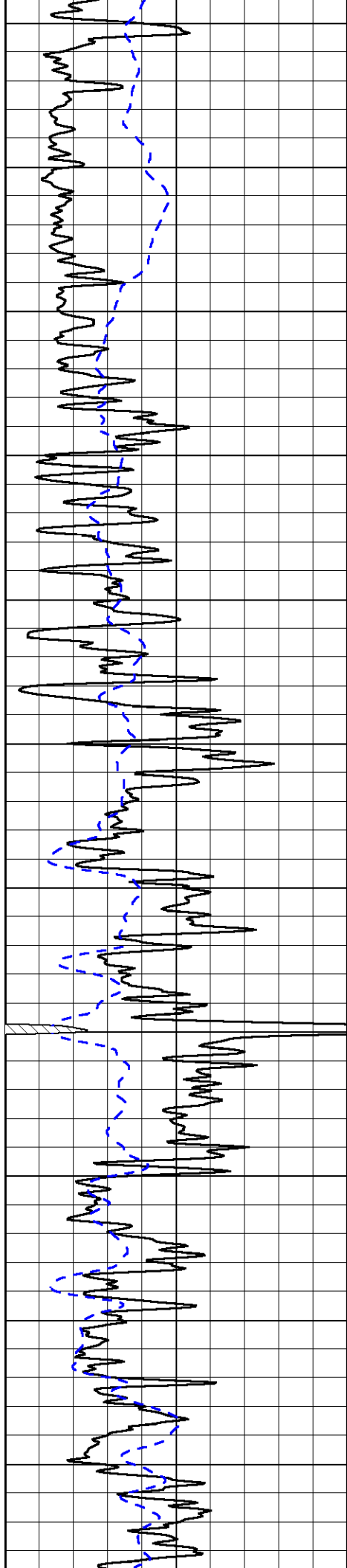
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50 (Ohm-m) 500  
50 Deep Resistivity (Ohm-m) 500

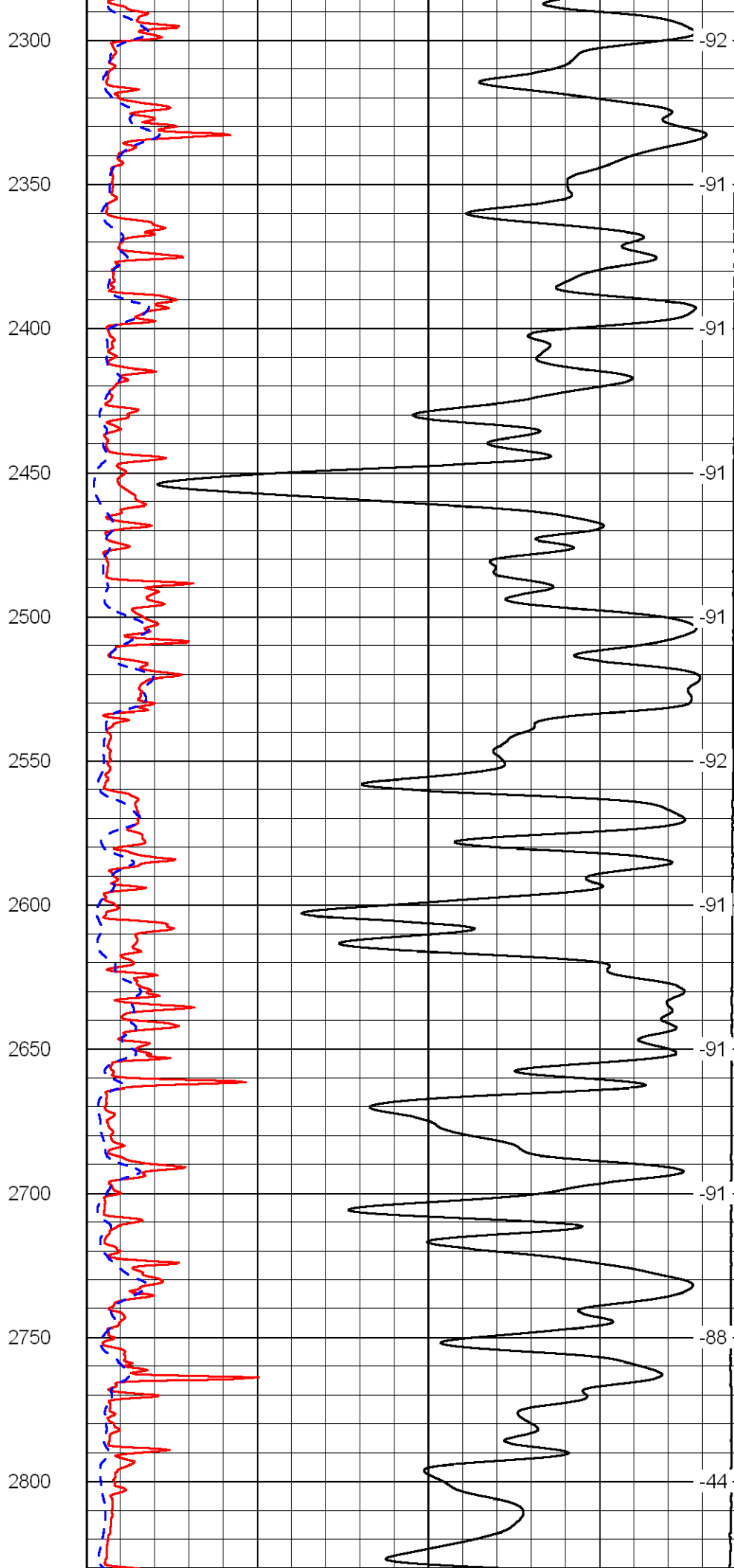
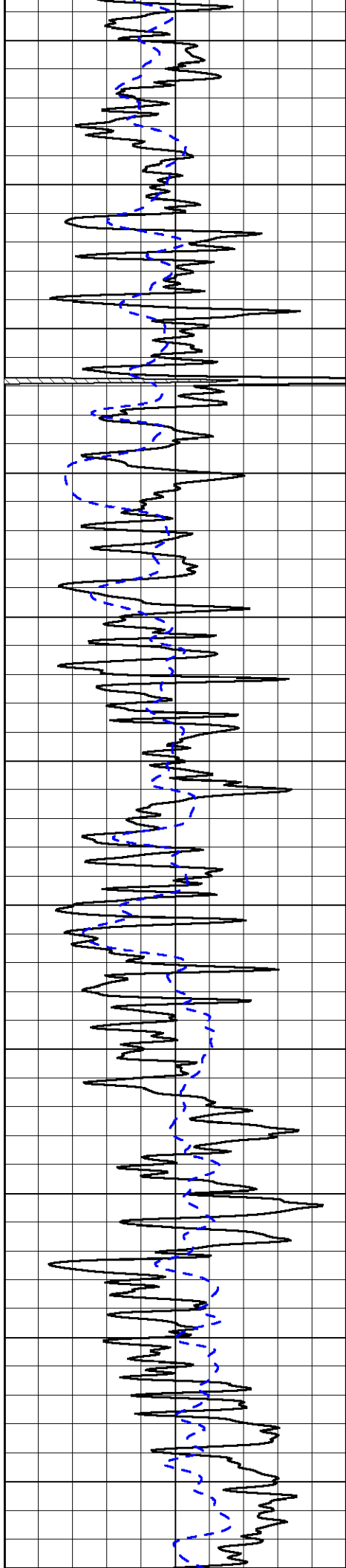




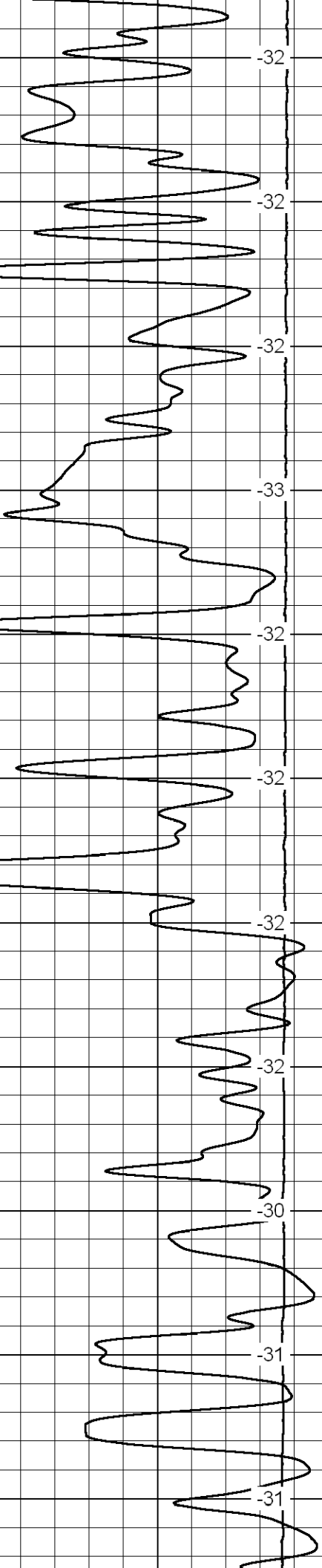
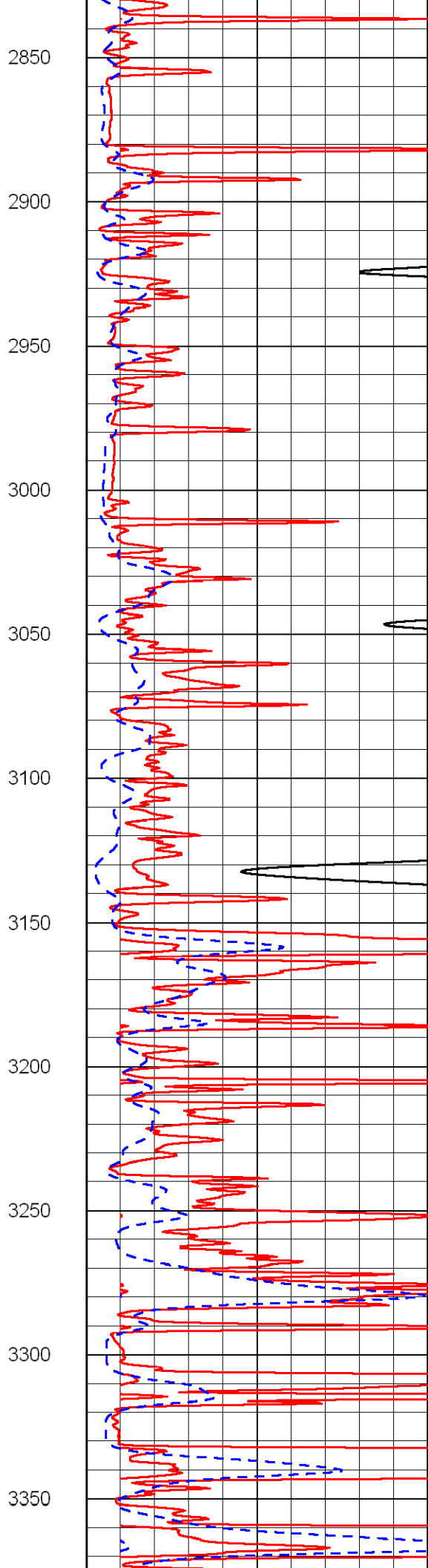
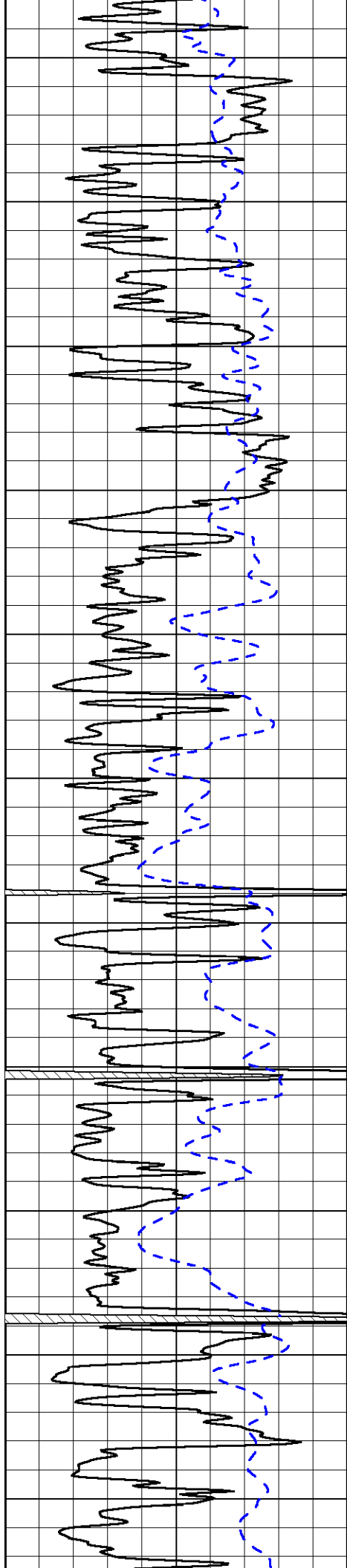


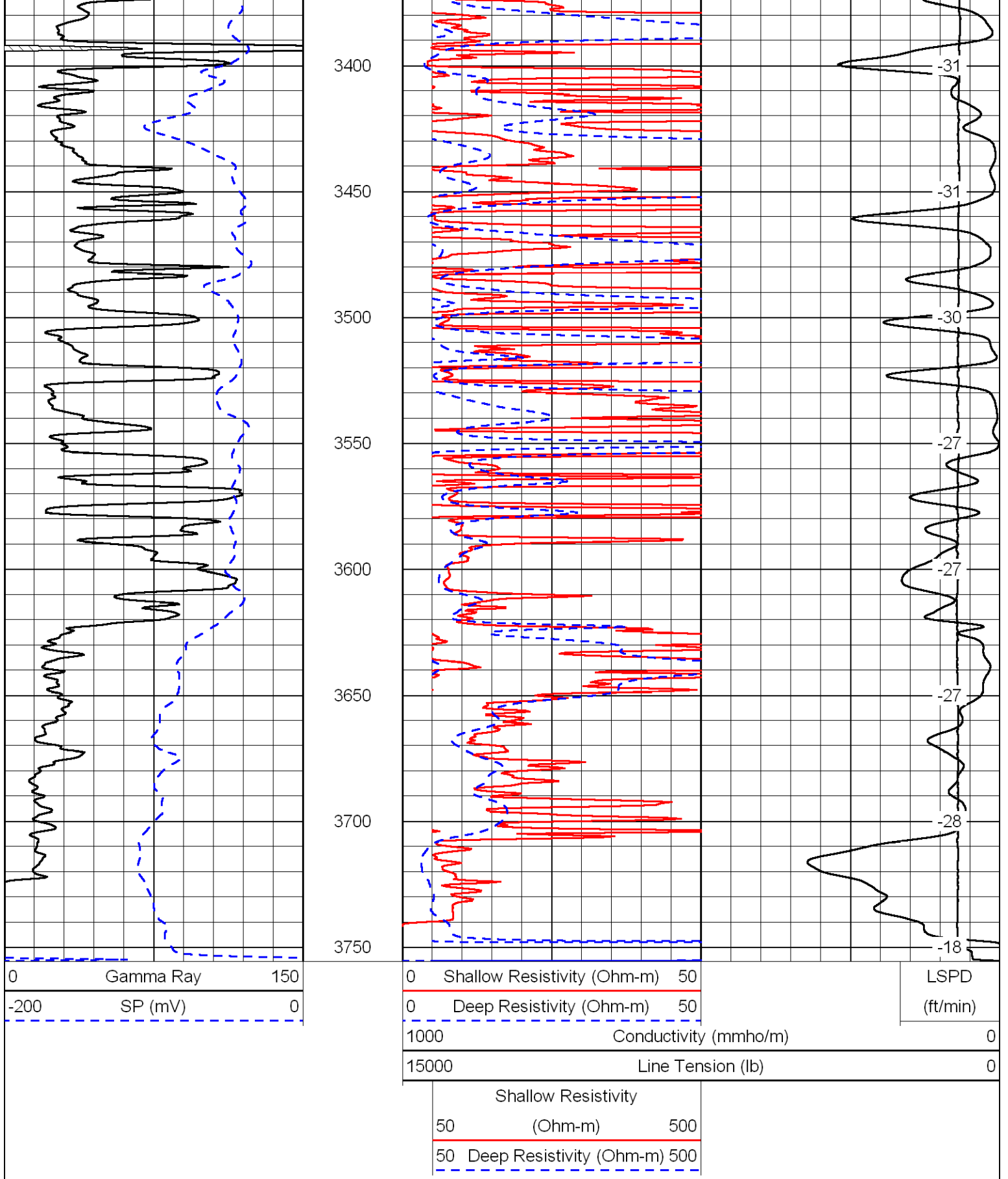












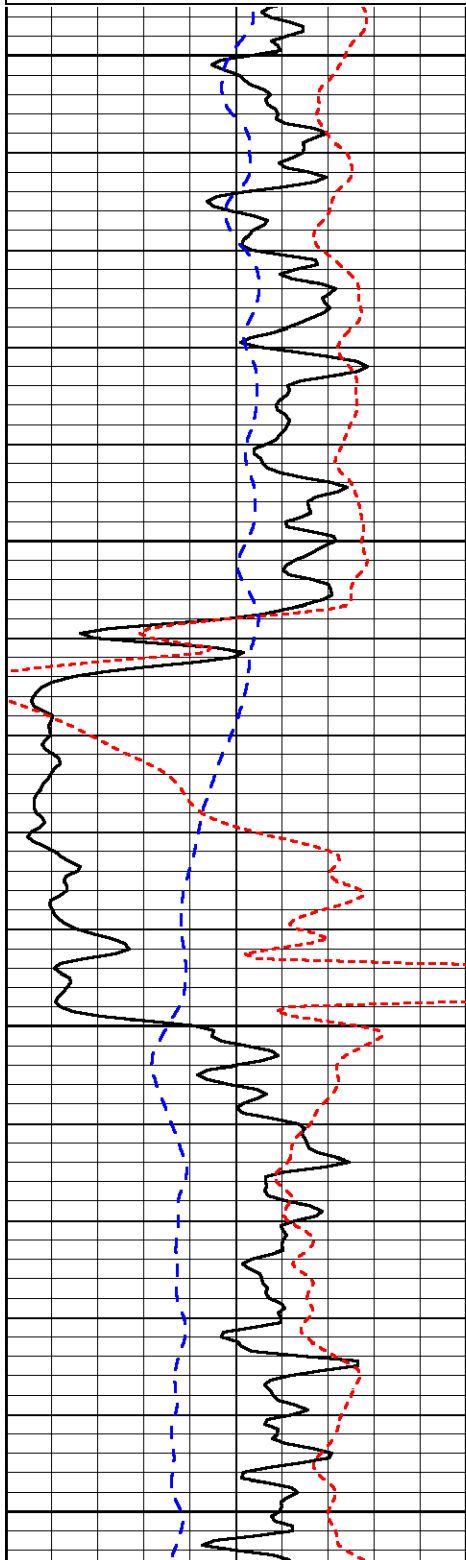
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-160	RXO/RT	40
-200	SP (mV)	0

0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

LSPD  
(ft/min)



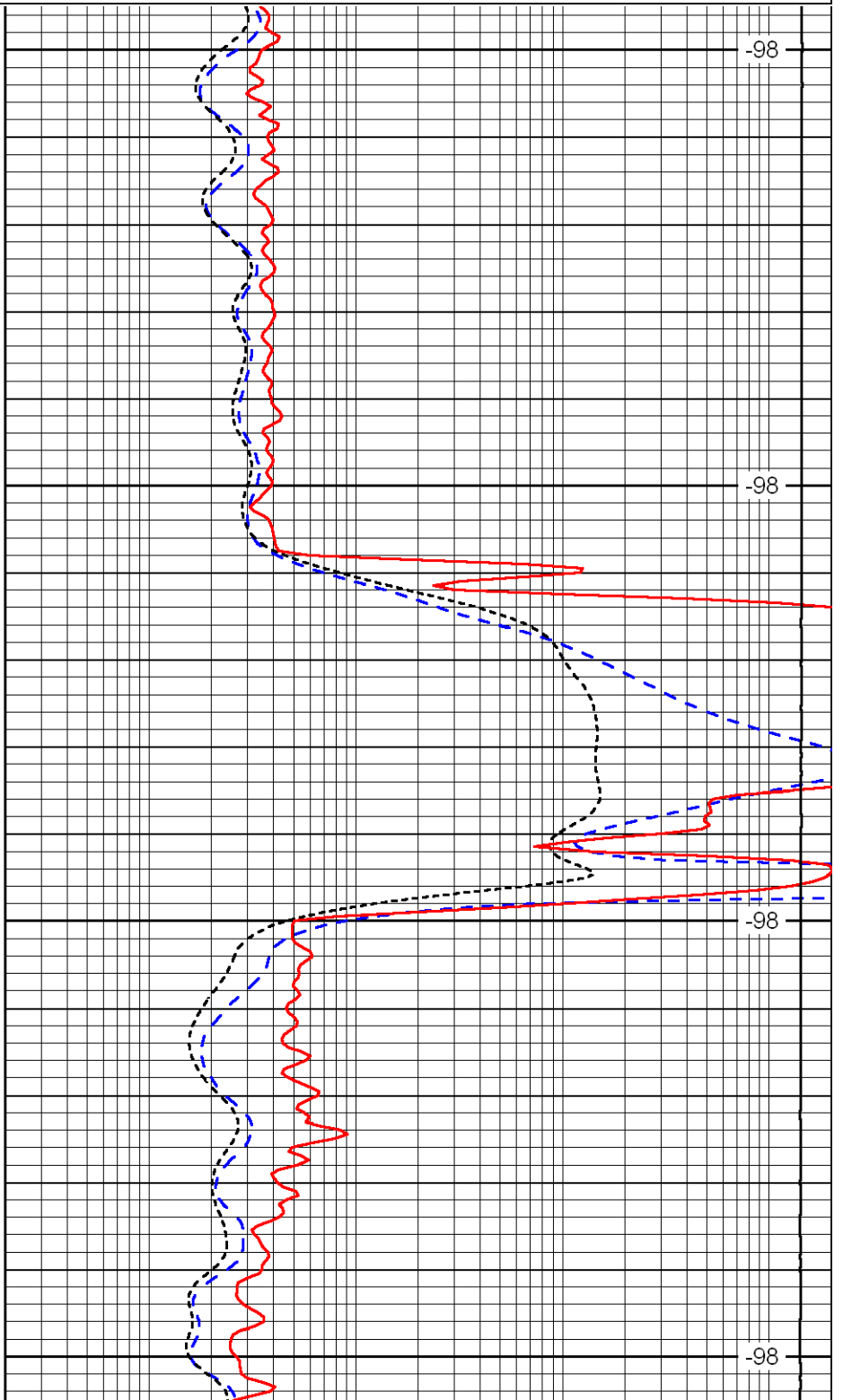
1150

1200

1250

1300

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



-98

-98

-98

-98

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

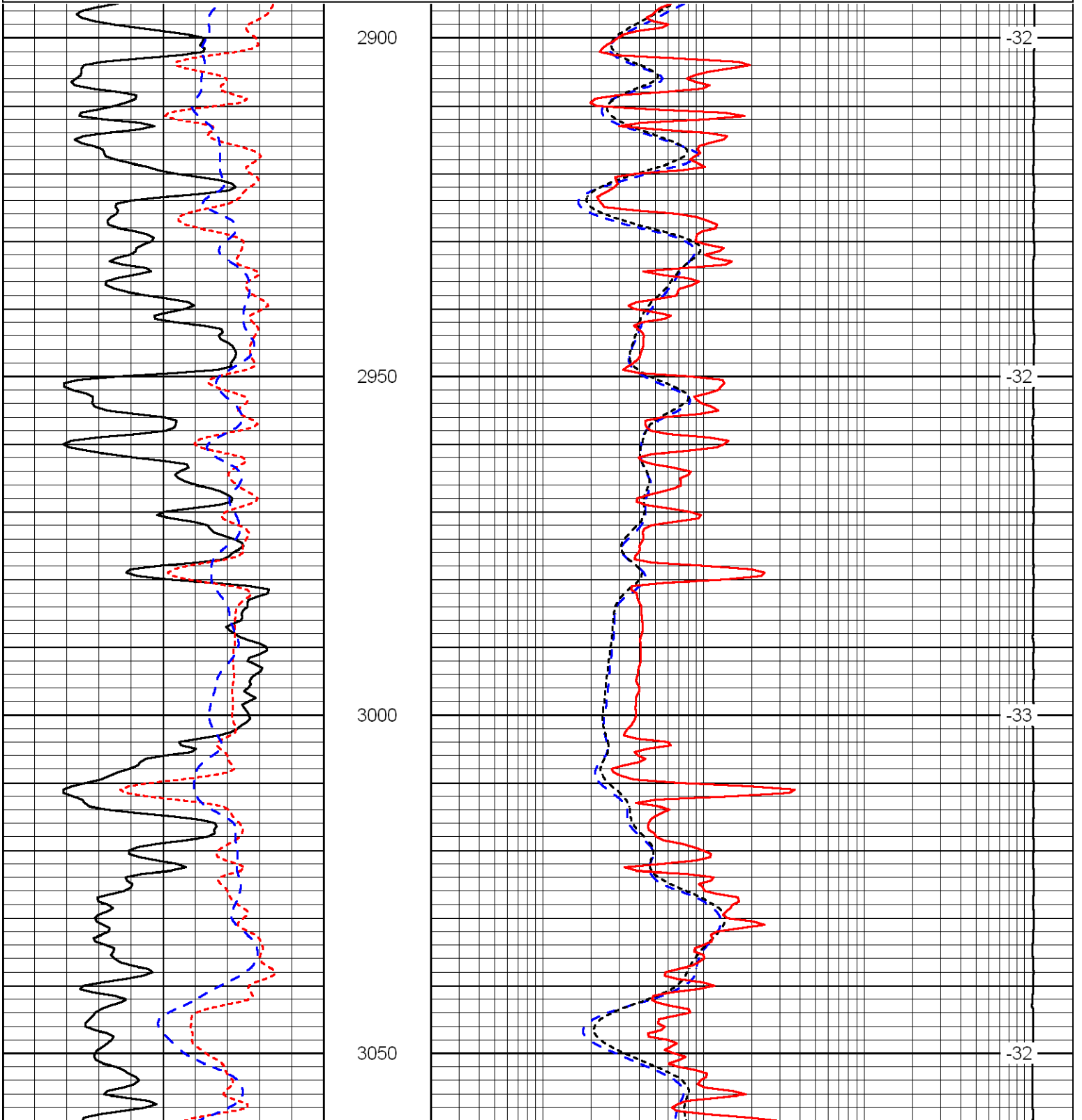
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(ft/min)

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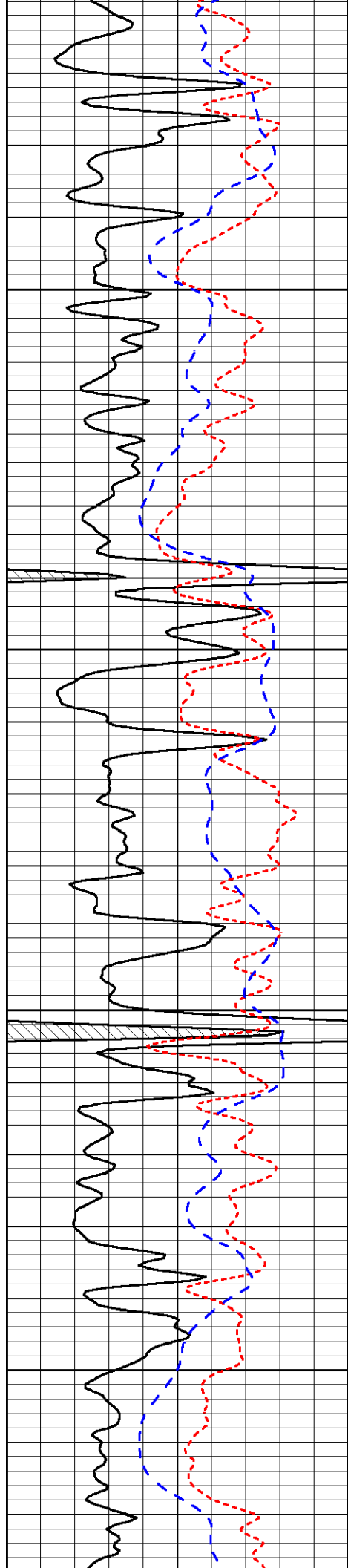
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-160	RXO/RT	40
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0.2	Shallow Resistivity (Ohm-m)	2000
15000	Line Tension (lb)	0

LSPD  
(ft/min)





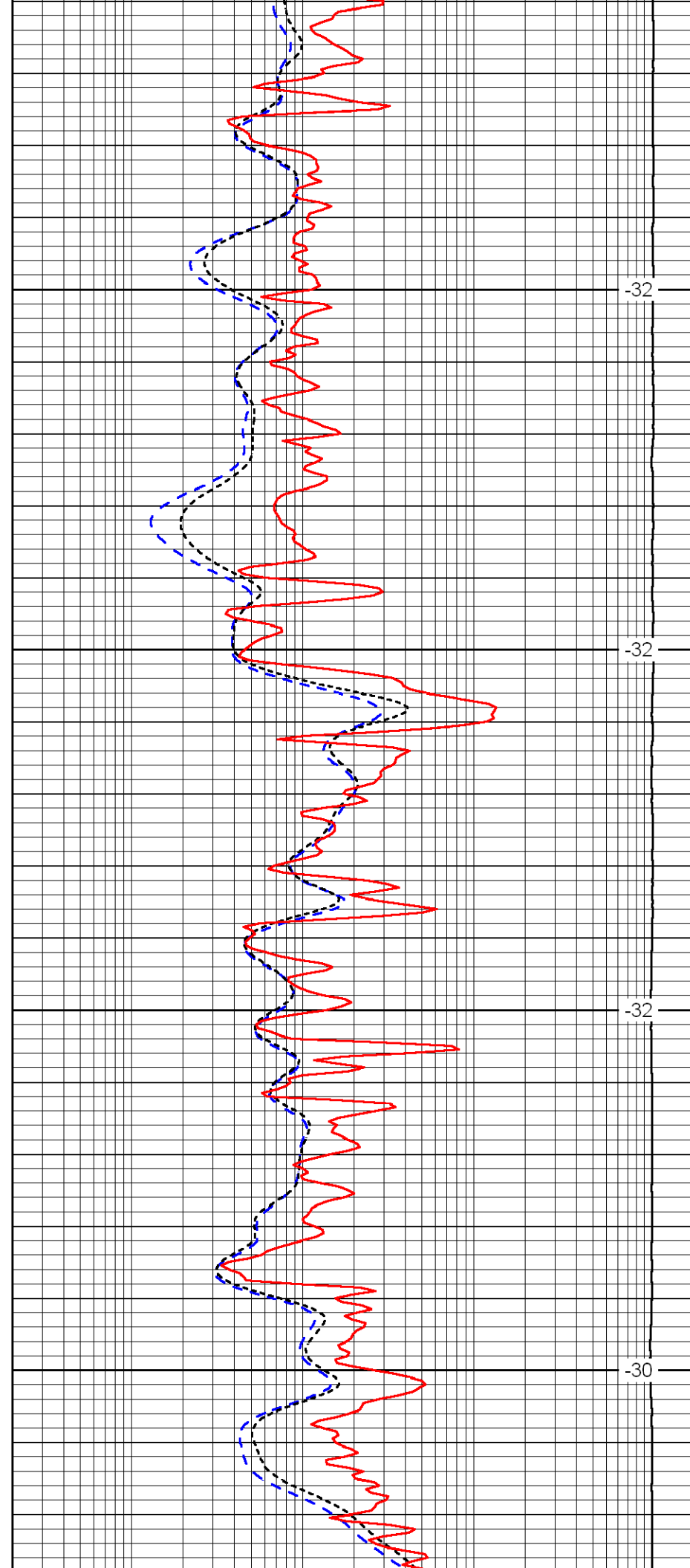


3100

3150

3200

3250

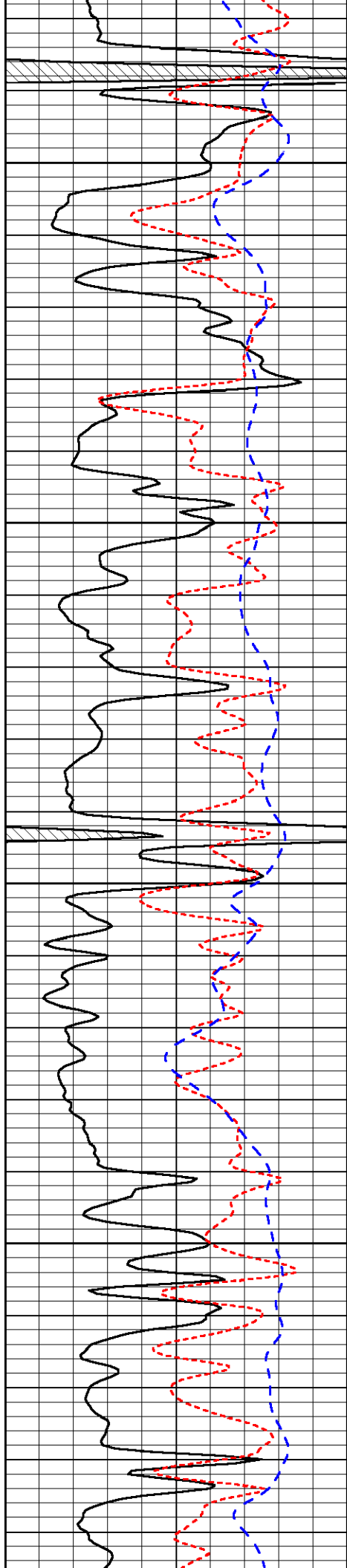


-32

-32

-32

-30

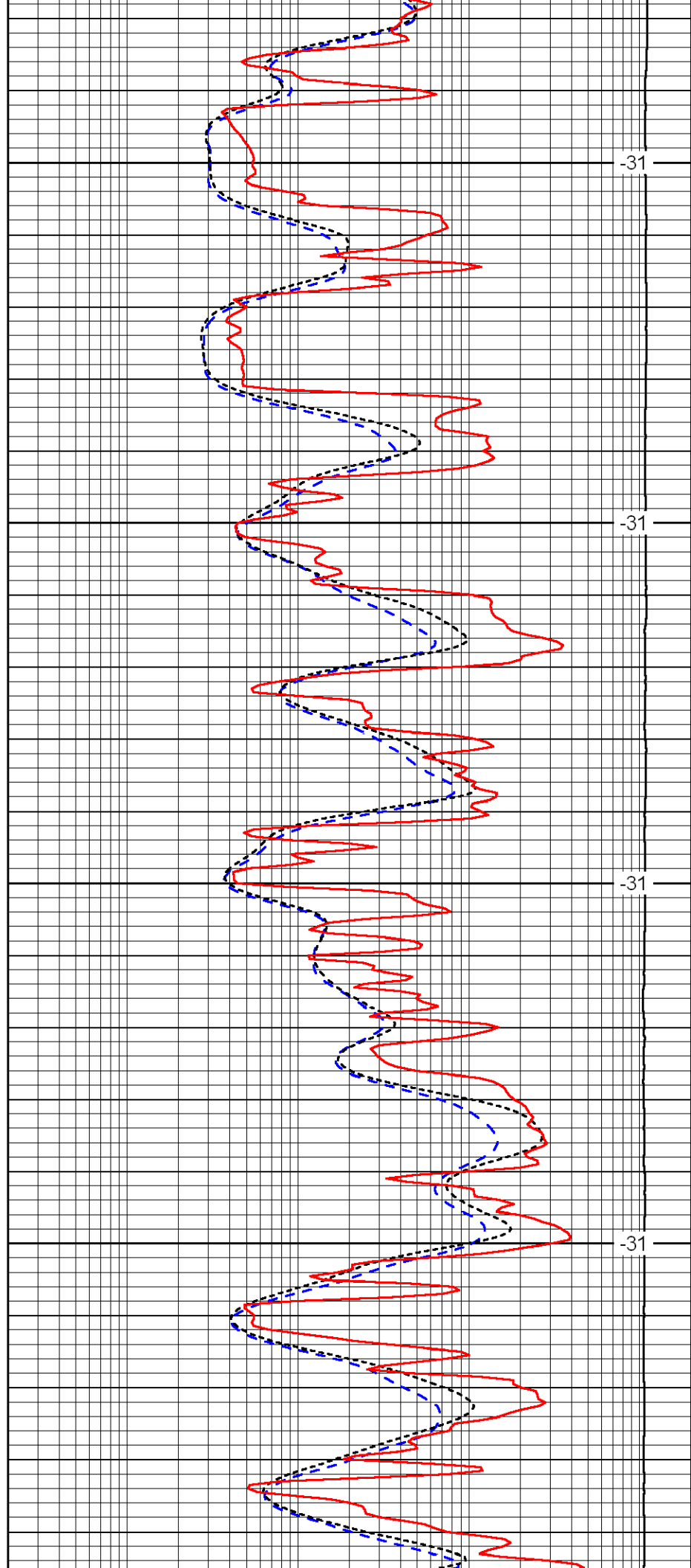


3300

3350

3400

3450

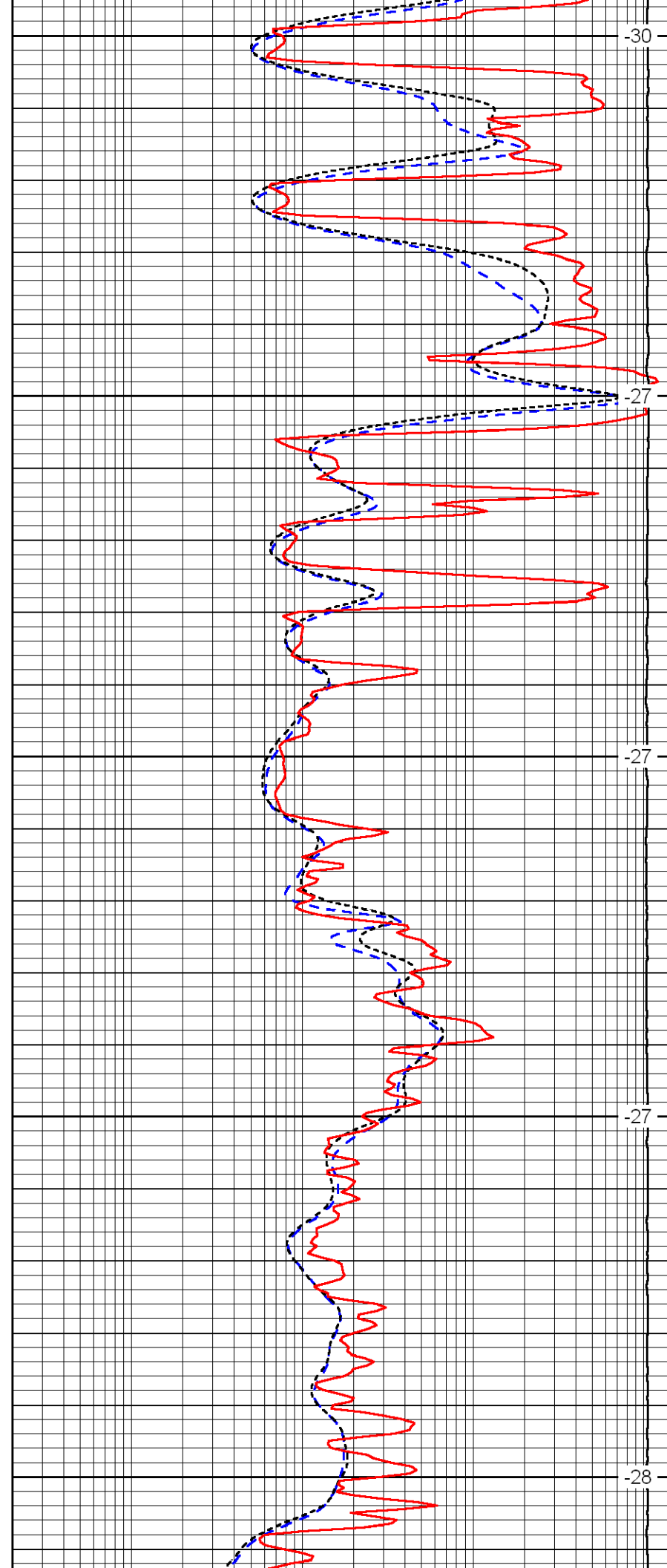
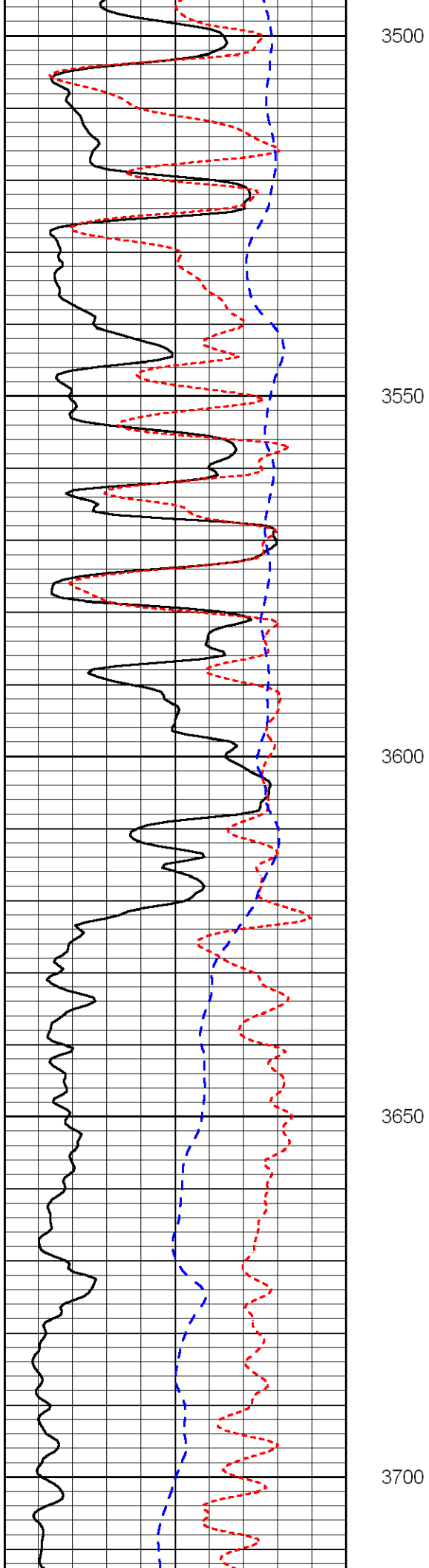


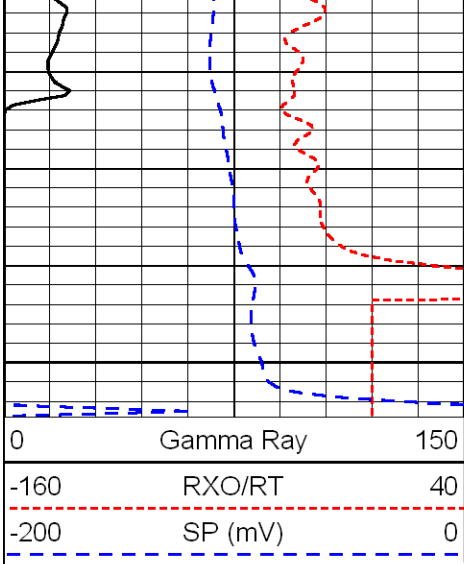
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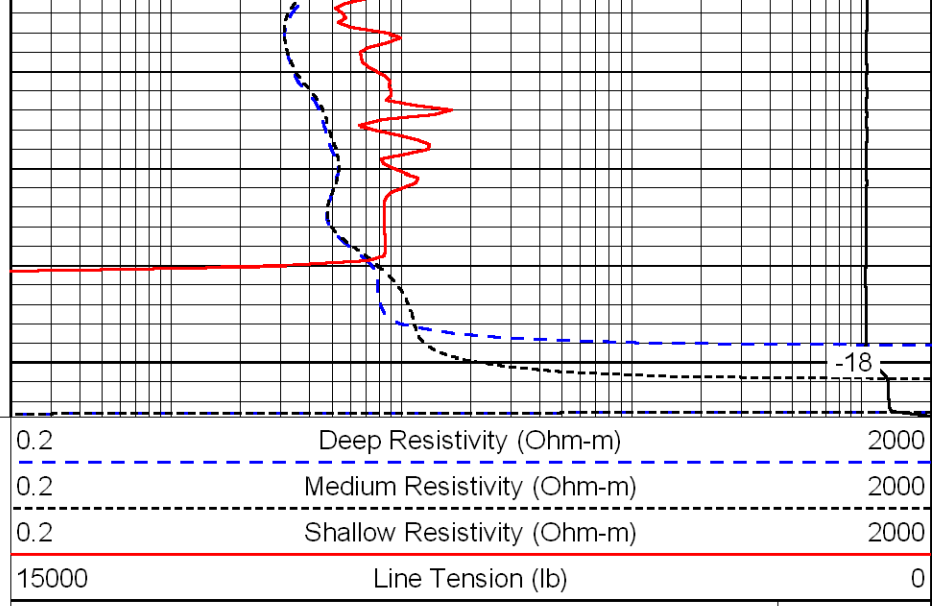
-31

-31





3750



-18

LSPD  
(ft/min)





Dual Compensated  
Porosity Log

DIGITAL LOG (785) 625-3858

API No.	15-051-26,186-00-00	
Company	TDI, Inc.	
Well	Munsch No. 5	
Field	Schoenchen	
County	Ellis	
State	Kansas	
Location	E2 SW SE SE 330' FSL & 945' FEL	
Sec: 9	Twp: 15S	Rge: 18W
Permanent Datum	Ground Level	Elevation 2036
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Other Services	DIL	MEL
Elevation	K.B. 2046	D.F. 2036
	G.L. 2036	

Date	9/21/2011	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3750	
Depth Logger	3749	
Bottom Logged Interval	3729	
Top Logged Interval	2900	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	1800	
Density	9.2	
Level	Full	
Max. Rec. Temp. F	114	
Operating Rig Time	4 Hours	
Equipment -- Location	10   Hays	
Recorded By	J. Long	
Witnessed By	Herb Deines	
Tom Denning		

Borehole Record		Casing Record					
Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	0	225	8.625	23#	0	223
Two	7.875	225	TD				

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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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(785) 625-3858

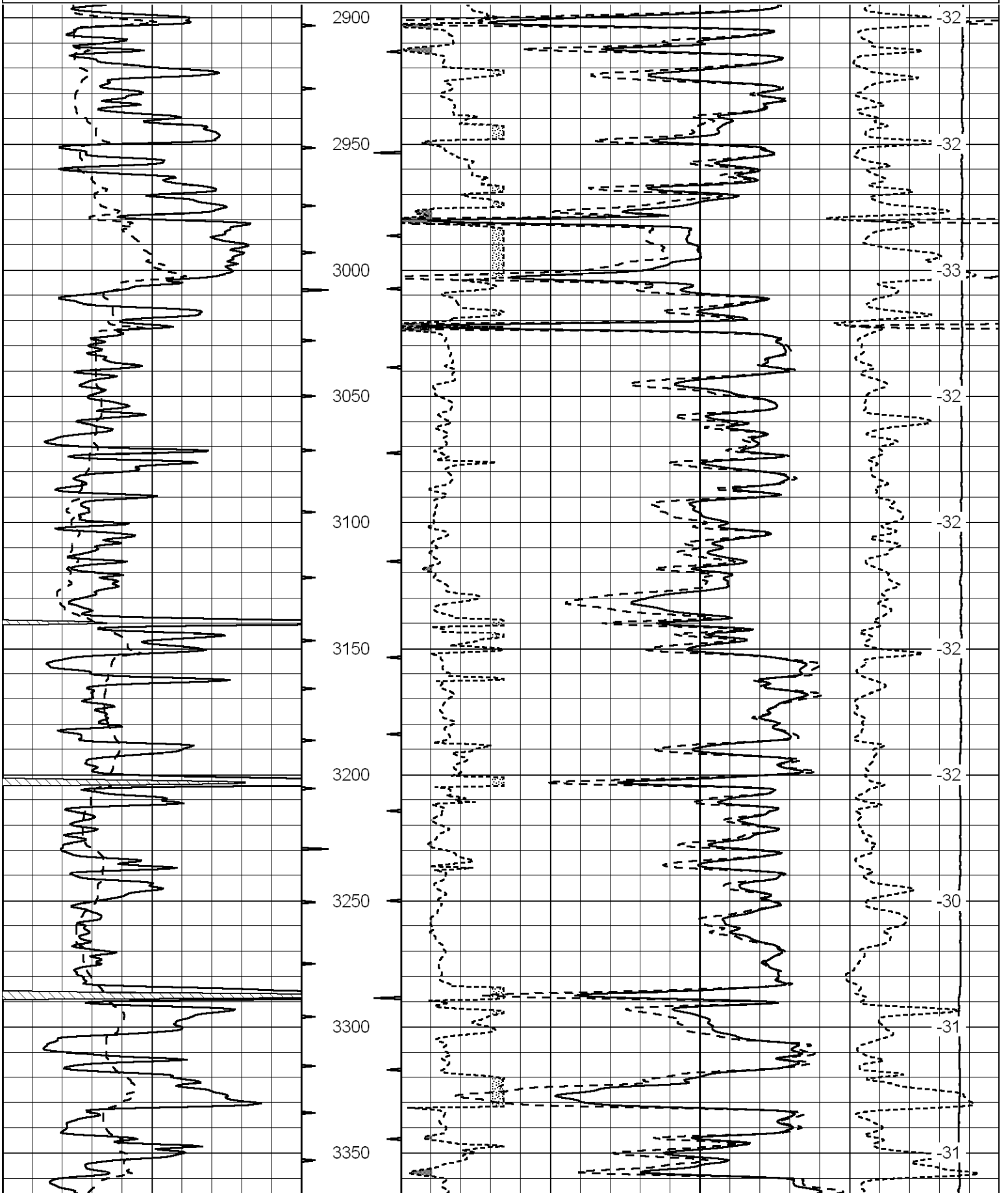
Hays, 7 South to Norfolk Road, 1/4 West, North Into

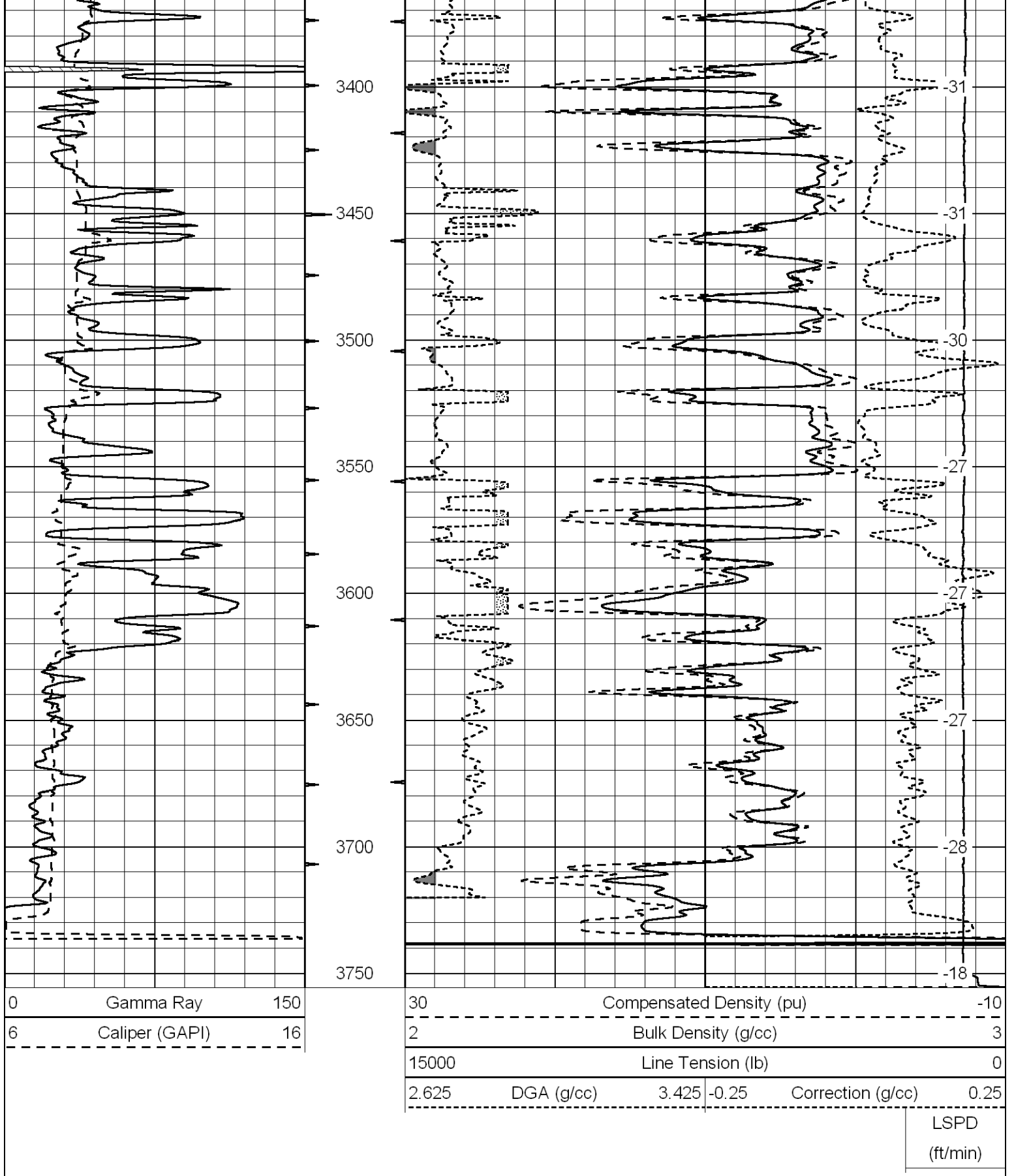
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 Dataset Pathname: dil/tdineut2  
 Presentation Format: cdl  
 Dataset Creation: Wed Sep 21 14:47:28 2011  
 Charted by: Depth in Feet scaled 1:600

0 Gamma Ray 150  
6 Caliper (GAPI) 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)

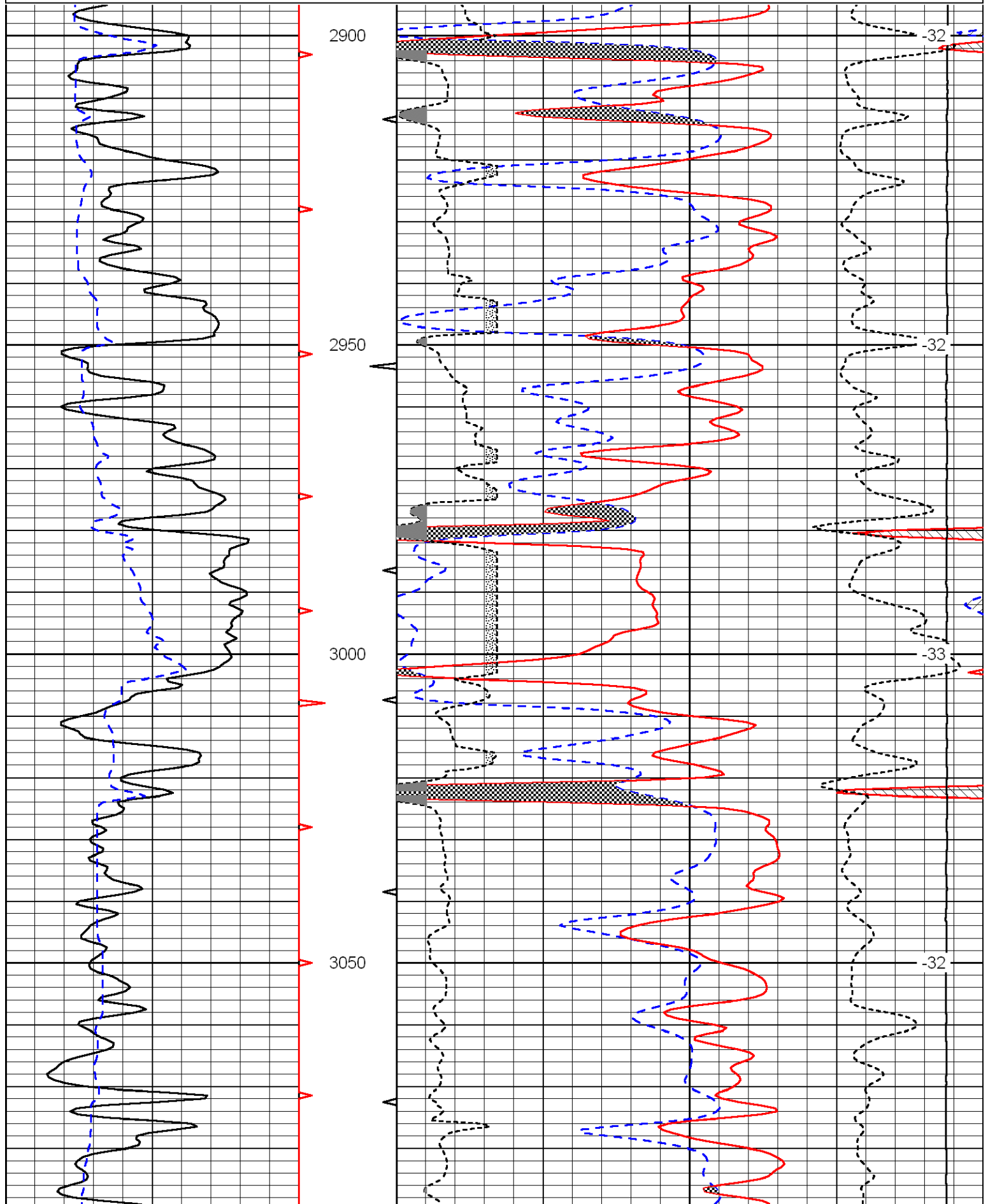


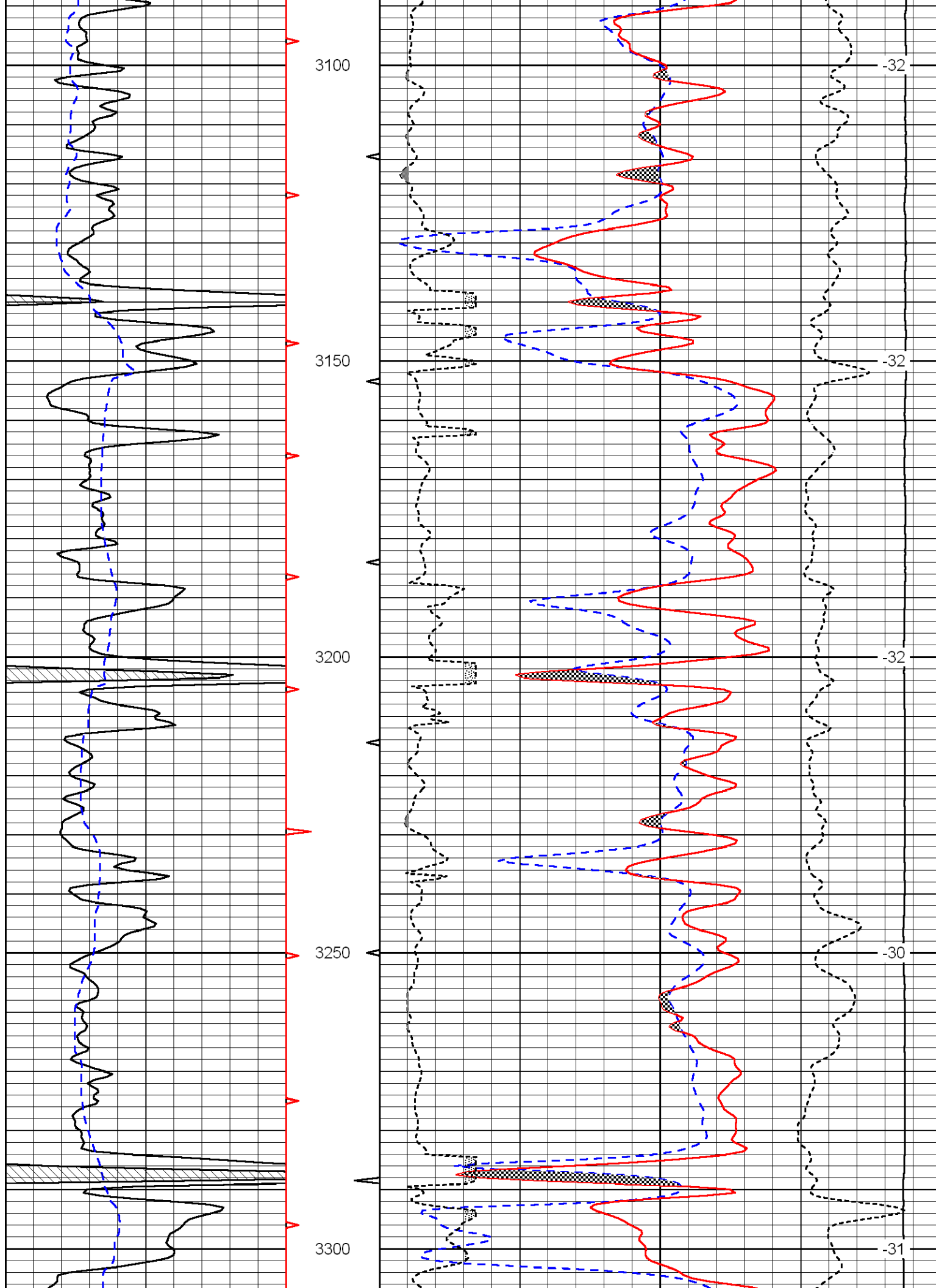


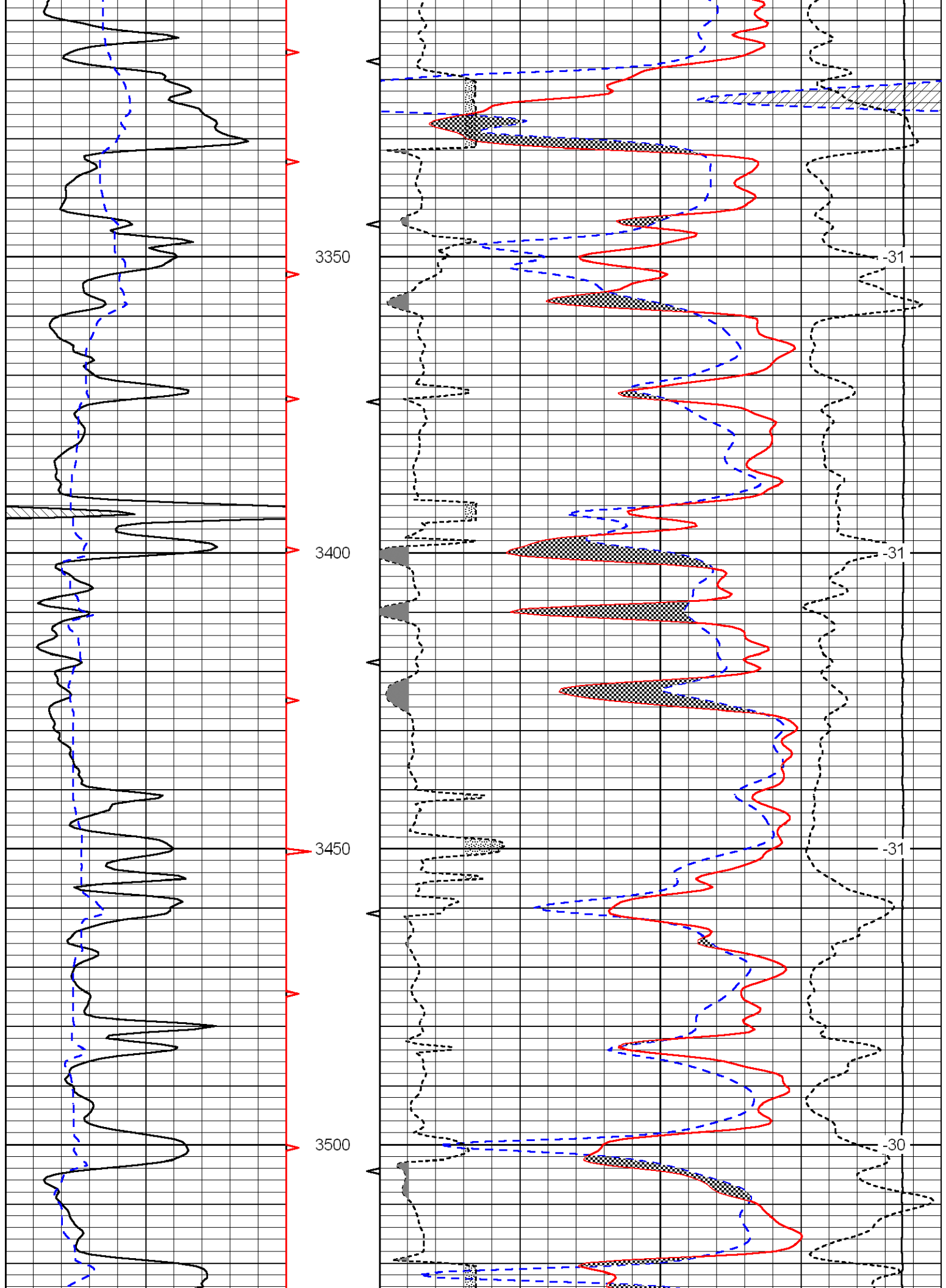
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LSPD  
(ft/min)

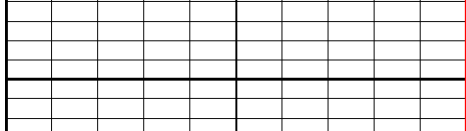




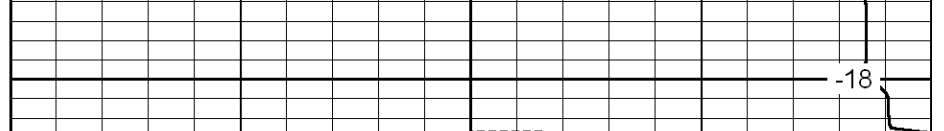








3750



0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Neutron (pu)			-10	
30	Compensated Density (2.71 ma) (pu)			-10	
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
15000	Line Tension (lb)			0	

LSPD  
(ft/min)



# Microresistivity Log

**DIGITAL LOG** (785) 625-3858

API No.	15-051-26,186-00-00		
Company	TDI, Inc.		
Well	Munsch No. 5		
Field	Schoenchen		
County	Ellis	State	Kansas
Location	E2 SW SE SE 330' FSL & 945' FEL		
Sec: 9	Twp: 15S	Rge: 18W	Elevation CNL/CDL DIL
Permanent Datum	Ground Level	Elevation 2036	K.B. 2046
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	D.F. 2036
Drilling Measured From	Kelly Bushing		G.L. 2036

Date	9/21/2011	
Run Number	Two	
Depth Driller	3750	
Depth Logger	3749	
Bottom Logged Interval	3748	
Top Log Interval	2900	
Casing Driller	8.625 @ 223	
Casing Logger	222	
Bit Size	7.875	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	1800	
Density / Viscosity	9.2	56
pH / Fluid Loss	10.5	6.8
Source of Sample	Flowline	
Rm @ Meas. Temp	.90 @ 78	
Rmf @ Meas. Temp	.68 @ 78	
Rmc @ Meas. Temp	1.22 @ 78	
Source of Rmf / Rmc	Charts	
Rm @ BHT	.62 @ 114	
Operating Rig Time	4 Hours	
Max Rec. Temp. F	114	
Equipment Number	10	
Location	Hays	
Recorded By	J. Long	
Witnessed By	Herb Deines	

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### Comments

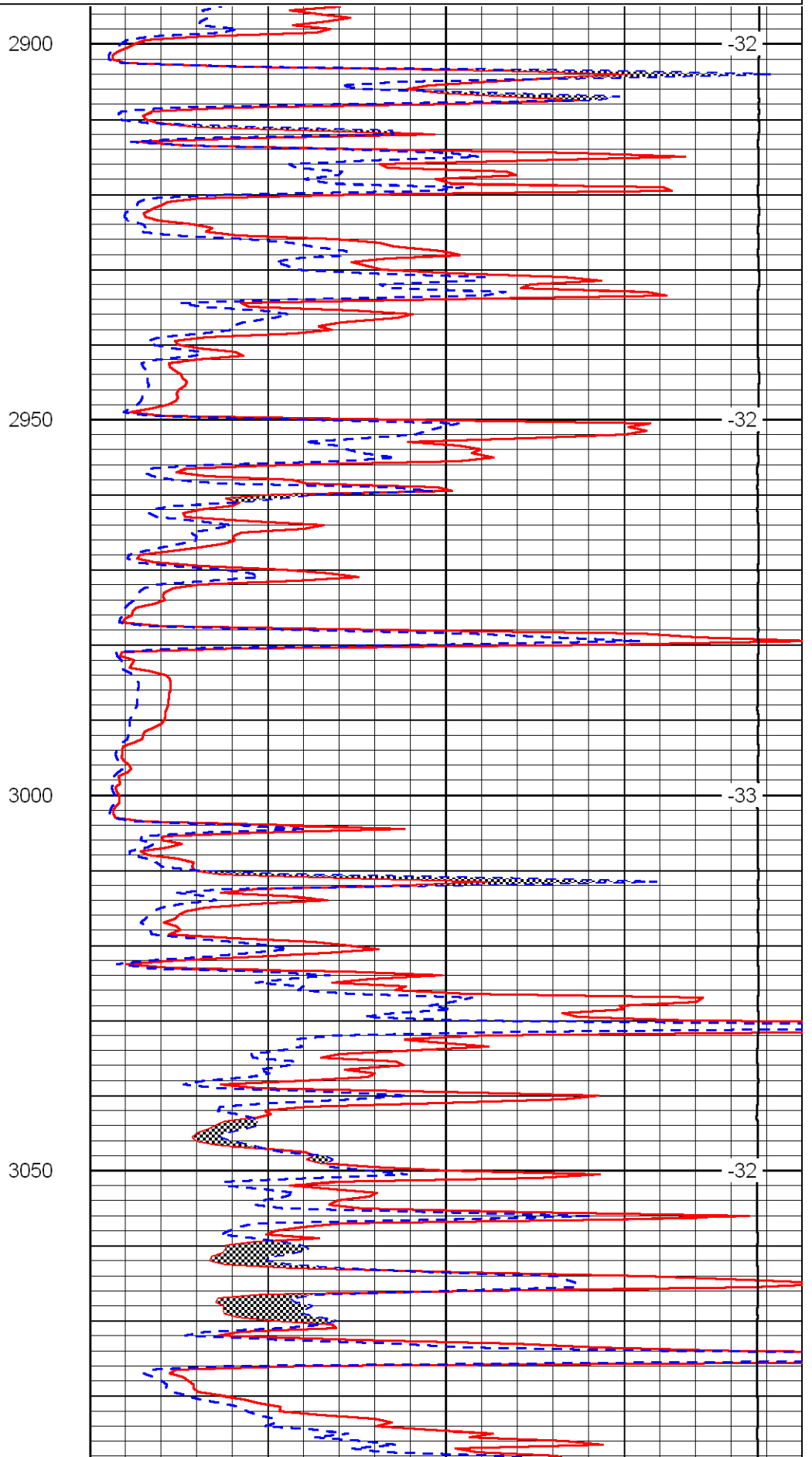
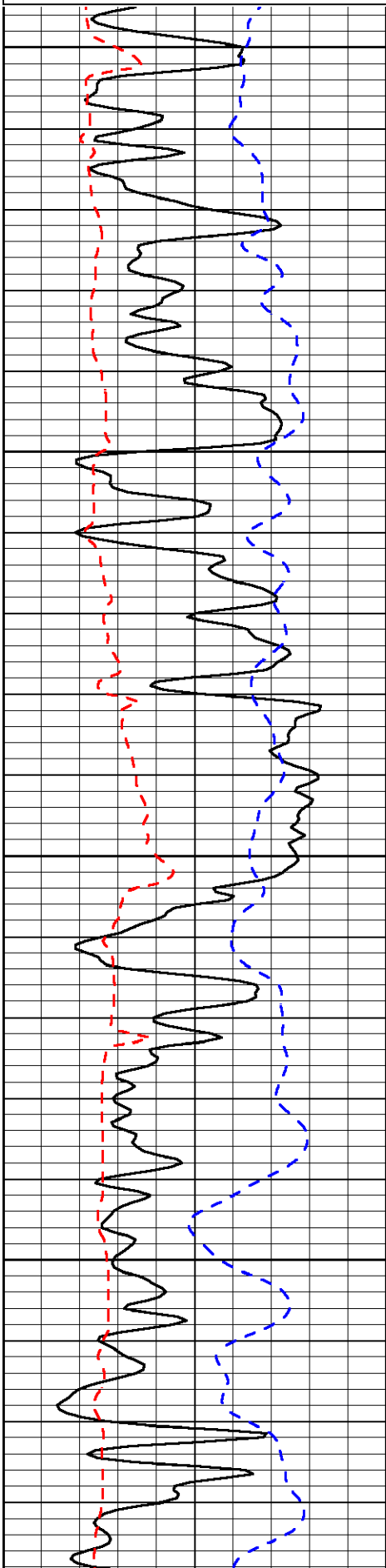
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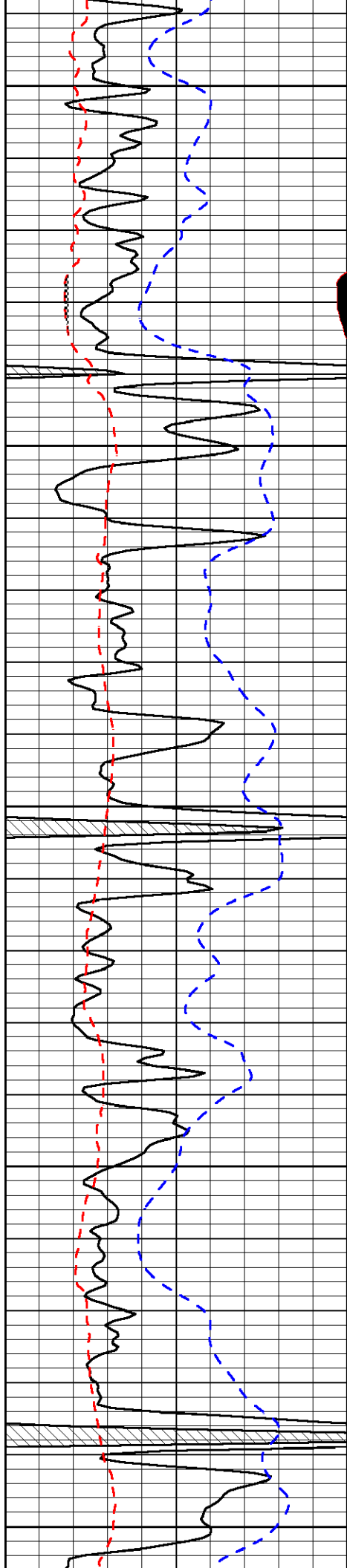
Hays, 7 South to Norfolk Road, 1/4 West, North Into

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 Presentation Format: micro  
 Dataset Creation: Wed Sep 21 14:47:28 2011  
 Charted by: Depth in Feet scaled 1:240

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

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
15000	Line Weight (lb)	0
	LSPD (ft/min)	





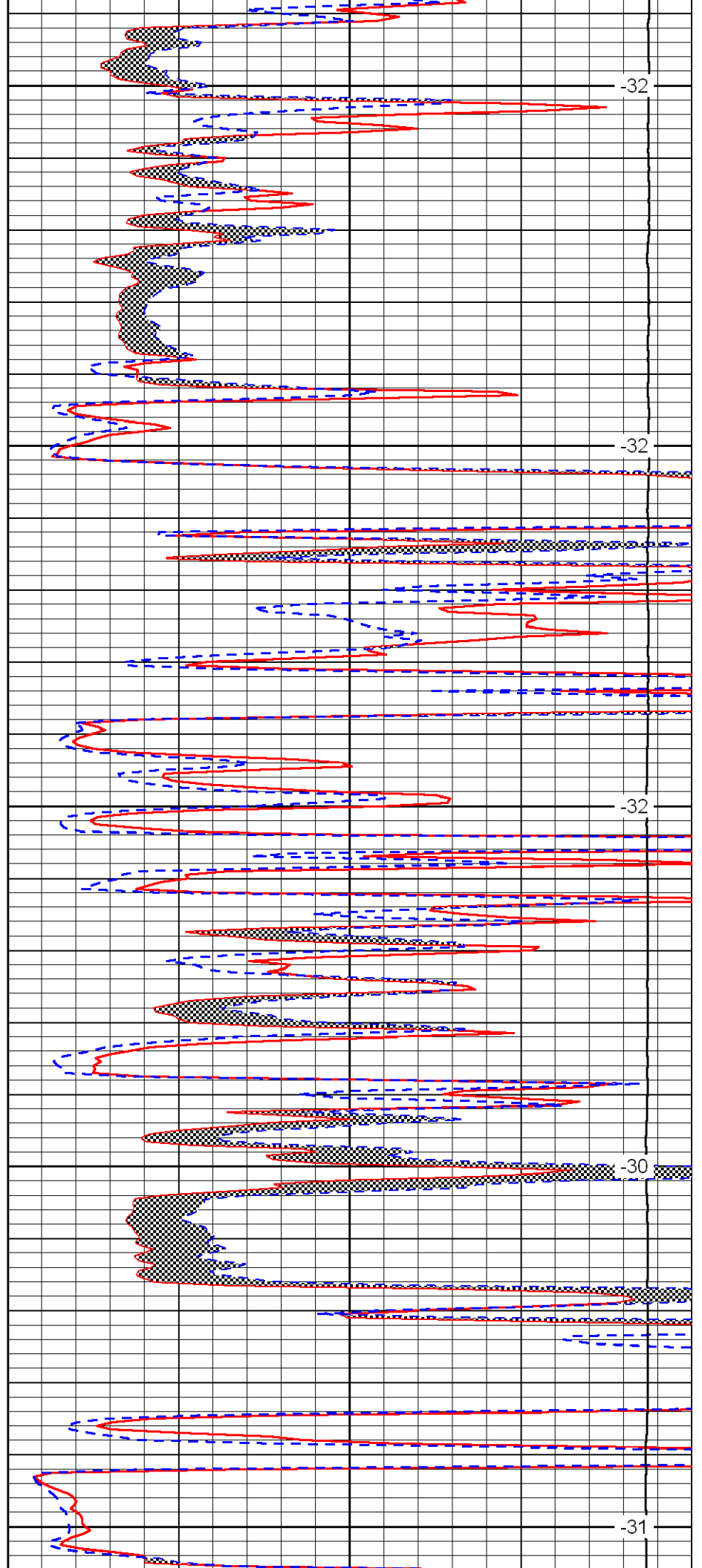
3100

3150

3200

3250

3300



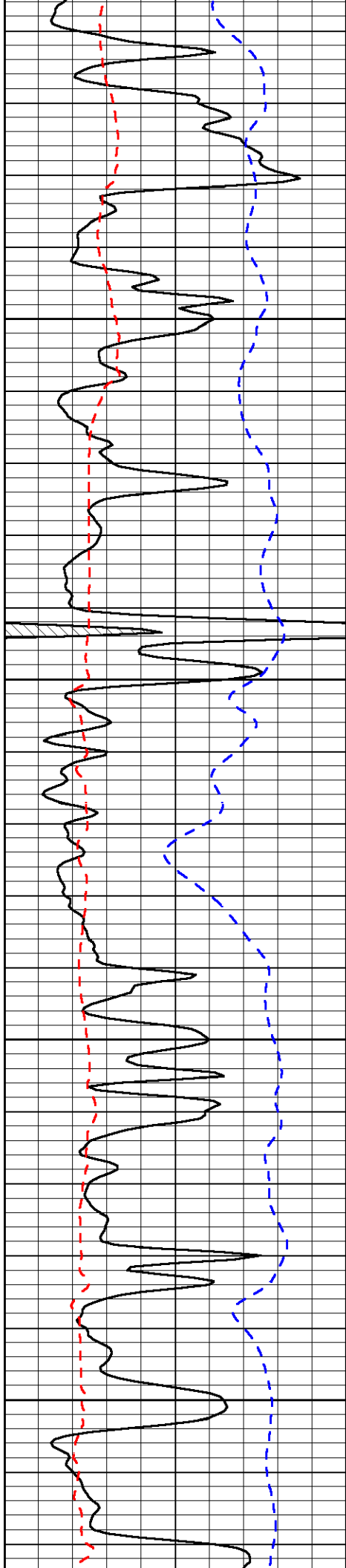
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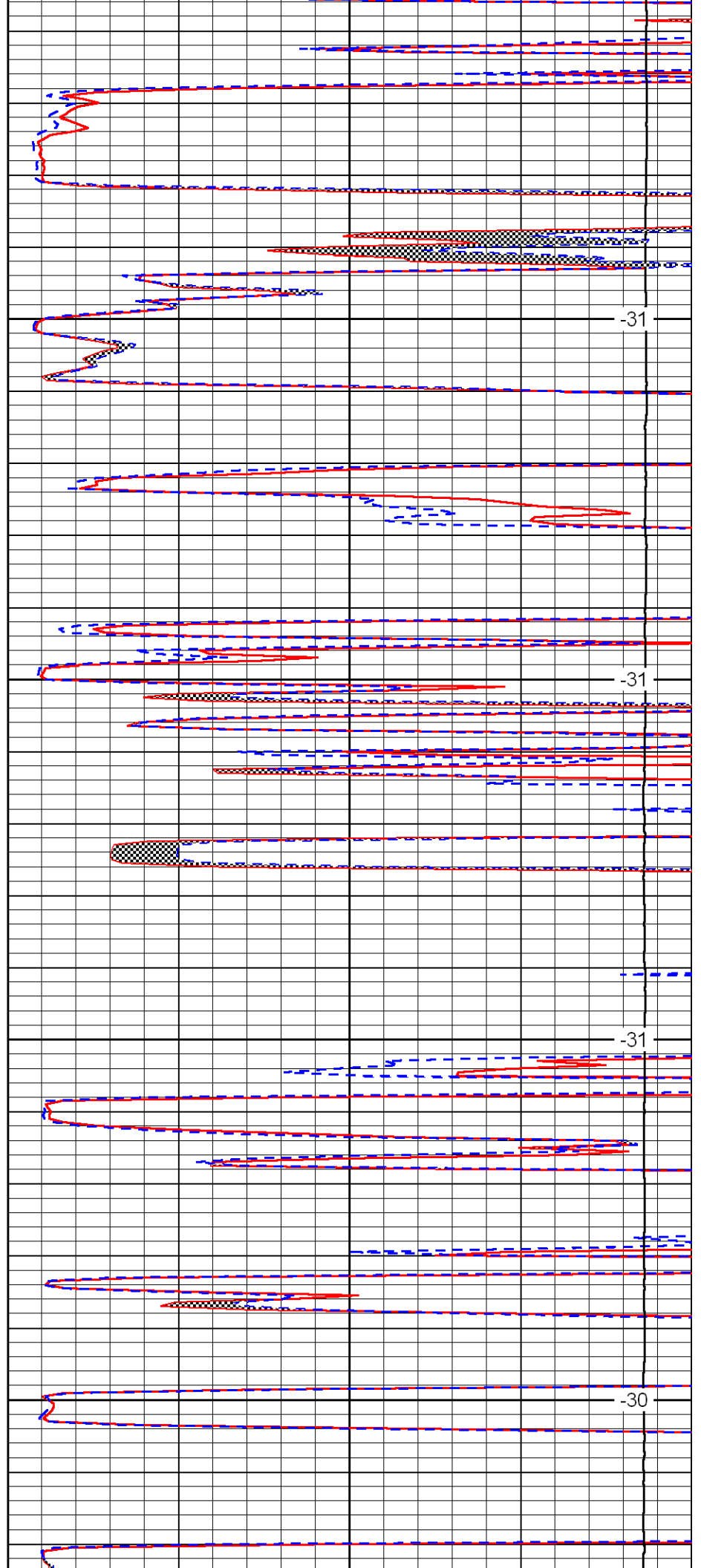


3350

3400

3450

3500

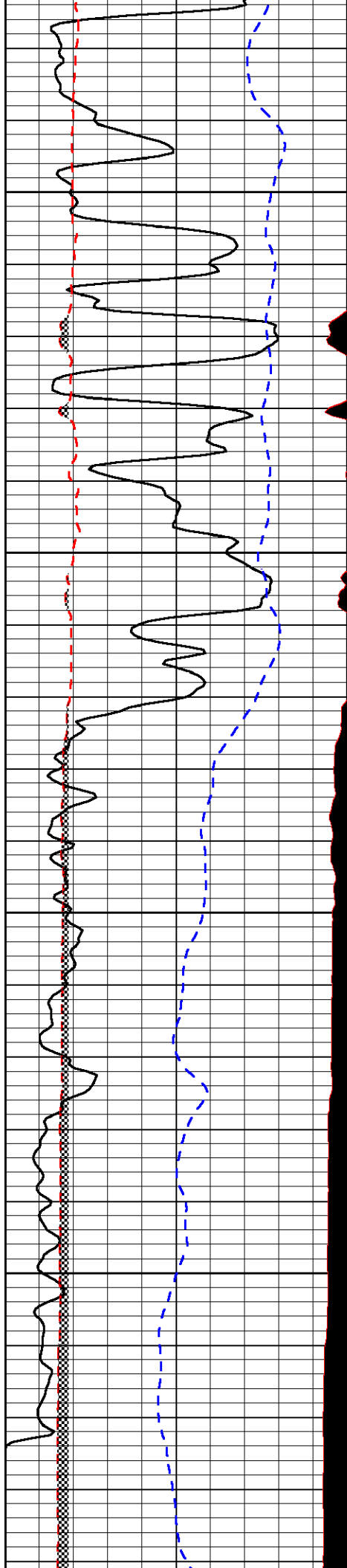


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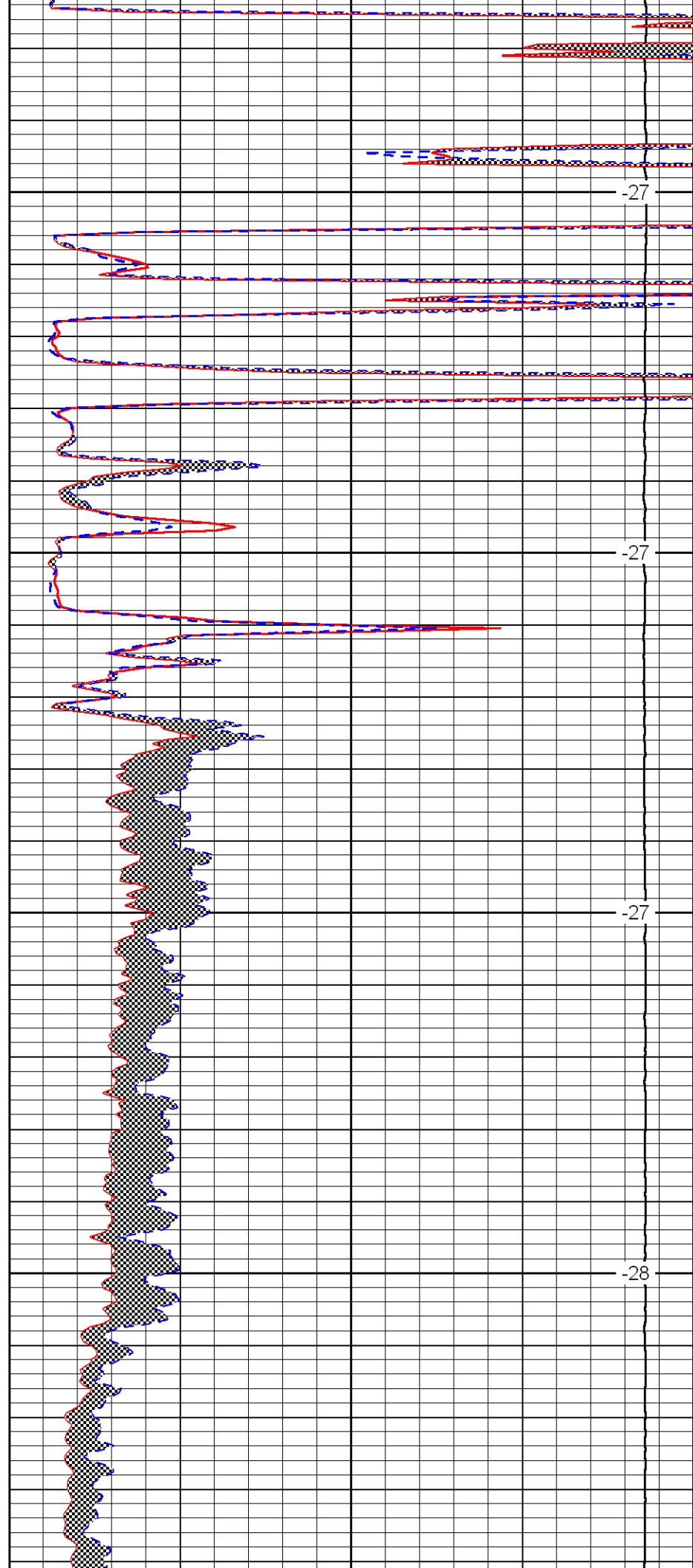


3550

3600

3650

3700

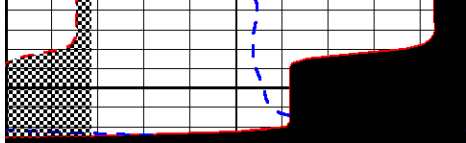


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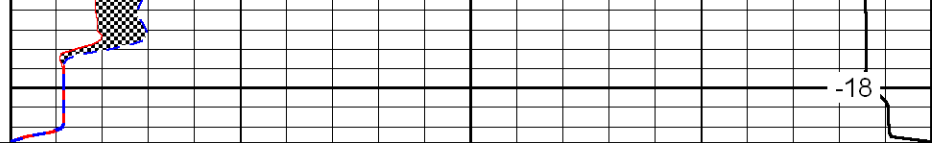
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-28



3750



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

0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
15000	Line Weight (lb)	0

LSPD  
(ft/min)