



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1070696  
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: \_\_\_\_\_

1070696

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

<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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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JOB LOG

SWIFT Services, Inc.

DATE 12-16-11 PAGE NO. 1

CUSTOMER T.O. I WELL NO. 2 LEASE CHARLOTTE JOB TYPE DEEP SURFACE TICKET NO. 21105

CHART NO.	TIME	RATE (BPM)	VOLUME (BBU) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2030							ONLOCATION CMT: 375 S/S - S.M.D. 1/2" FLOODE 12/4 @ 1226 8 <sup>3/4</sup> @ 1224 SJ 29.17 Baffle Pipe 1125 CENT. 1.9 TURBUZERS
	2315							START C/S & FLUATE HOOKUP
	0055							BREAK CIRC 1/2" RIG
	0120	6.0	12.0				75	500 GAL MUD FLUSH
			10.0					10 bbls. MLL FLUSH
			0					CMT: 100 S/S @ 11.2 1/2"
			55.0					100 S/S @ 12.5
			93.0					100 S/S @ 13.0
			121.0					75 S/S @ 14.5
	0150		144.0					END CMT 375 S/S DRIP PLUG,
	0155	6.0	0				200	START DISP
			25.0				200	LIGHT CMT
			35.0				300	(LIGHT) CMT 75 S/S TOP. 7!
			65.0				400	
			70.0				500	
	0205	4.7	76.0				700	LAND PLUG HOLDING 700 PSI
	0210						700	CLOSE IN
	0215							JOB COMPLETE
								THANK YOU! DAVE JOSHUA LANE



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 15-051-26193-00-00  
Charlotte 2  
SE/4 Sec.15-15S-19W  
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



# Dual Induction Log

DIGITAL LOG (785) 625-3858

15-051-26,193-00-00

API No.

Company TDI, Inc.

Well Charlotte No. 2

Field Unnamed

County Ellis State Kansas

Location 2150' FSL & 2300' FEL

Sec: 15 Twp: 15 S Rge: 19 W

Permanent Datum Ground Level Elevation 2006  
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Other Services  
CNL/CDL  
Elevation  
K.B. 2016  
D.F.  
G.L. 2006

Date 10/21/2011

Run Number One

Depth Driller 3684

Depth Logger 3682

Bottom Logged Interval 3681

Top Log Interval 1200

Casing Driller 8.625 @ 1224

Casing Logger 1224

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity,ppm CL 4.500

Density / Viscosity 8.9 48

pH / Fluid Loss 11.0 5.2

Source of Sample Flowline

Rm @ Meas. Temp .85 @ 68

Rmf @ Meas. Temp .64 @ 68

Rmc @ Meas. Temp 1.15 @ 68

Source of Rmf / Rmc Charts

Rm @ BHT .50 @ 115

Operating Rig Time 3 Hours

Max Rec. Temp. F 115

Equipment Number 91

Location Hays

Recorded By K. Bange

Witnessed By Herb Deines

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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

Antonino, 1 W, 2 1/2 S, W into

Database File: c:\warrior\data\tdi\_charlotte no. 2\tdi102111hd.db  
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Presentation Format: dil2in  
Dataset Creation: Fri Oct 21 18:26:07 2011  
Charted by: Depth in Feet scaled 1:600

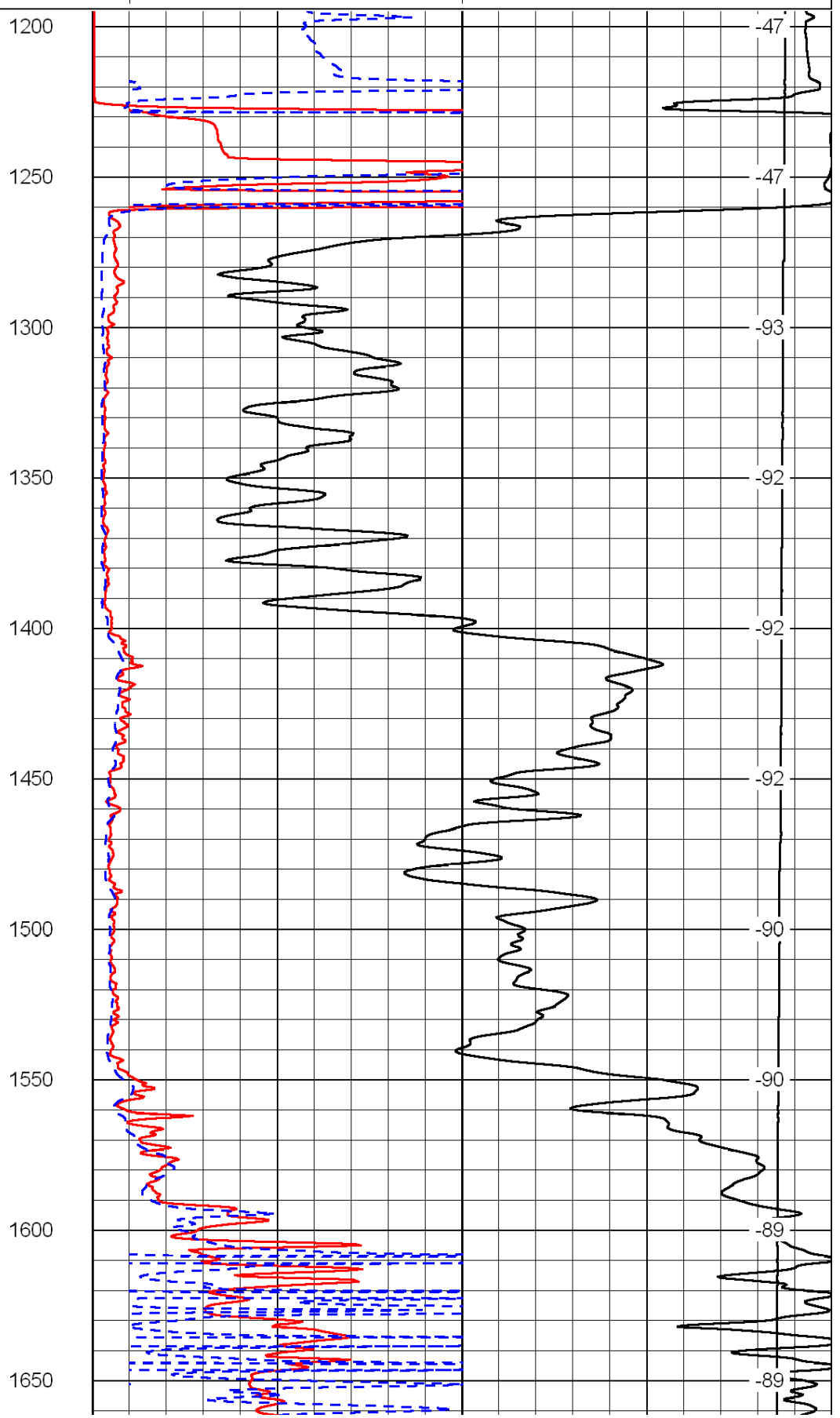
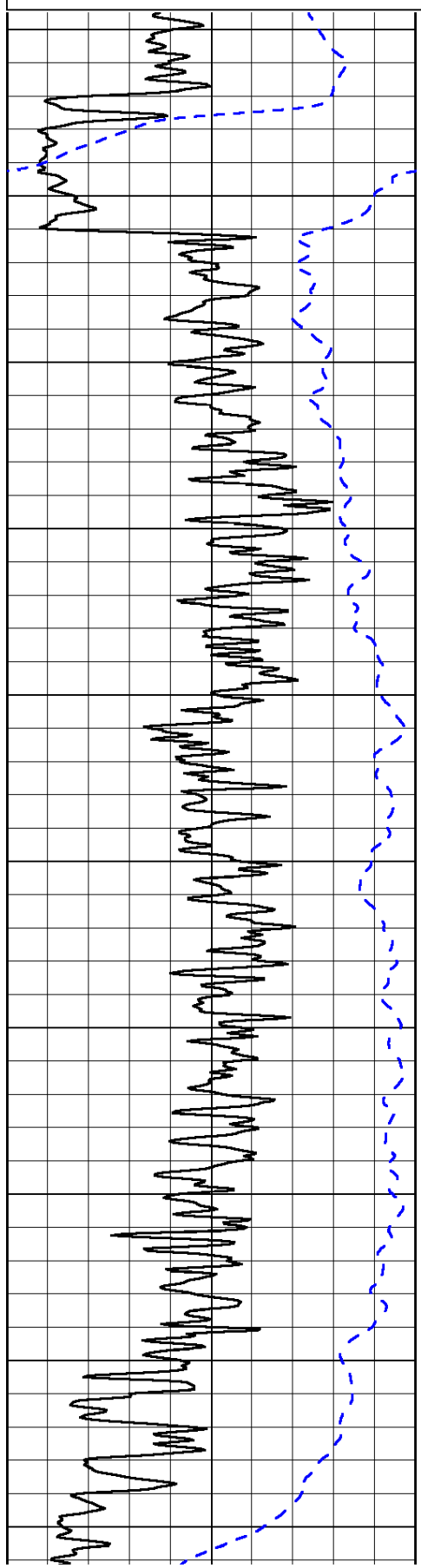
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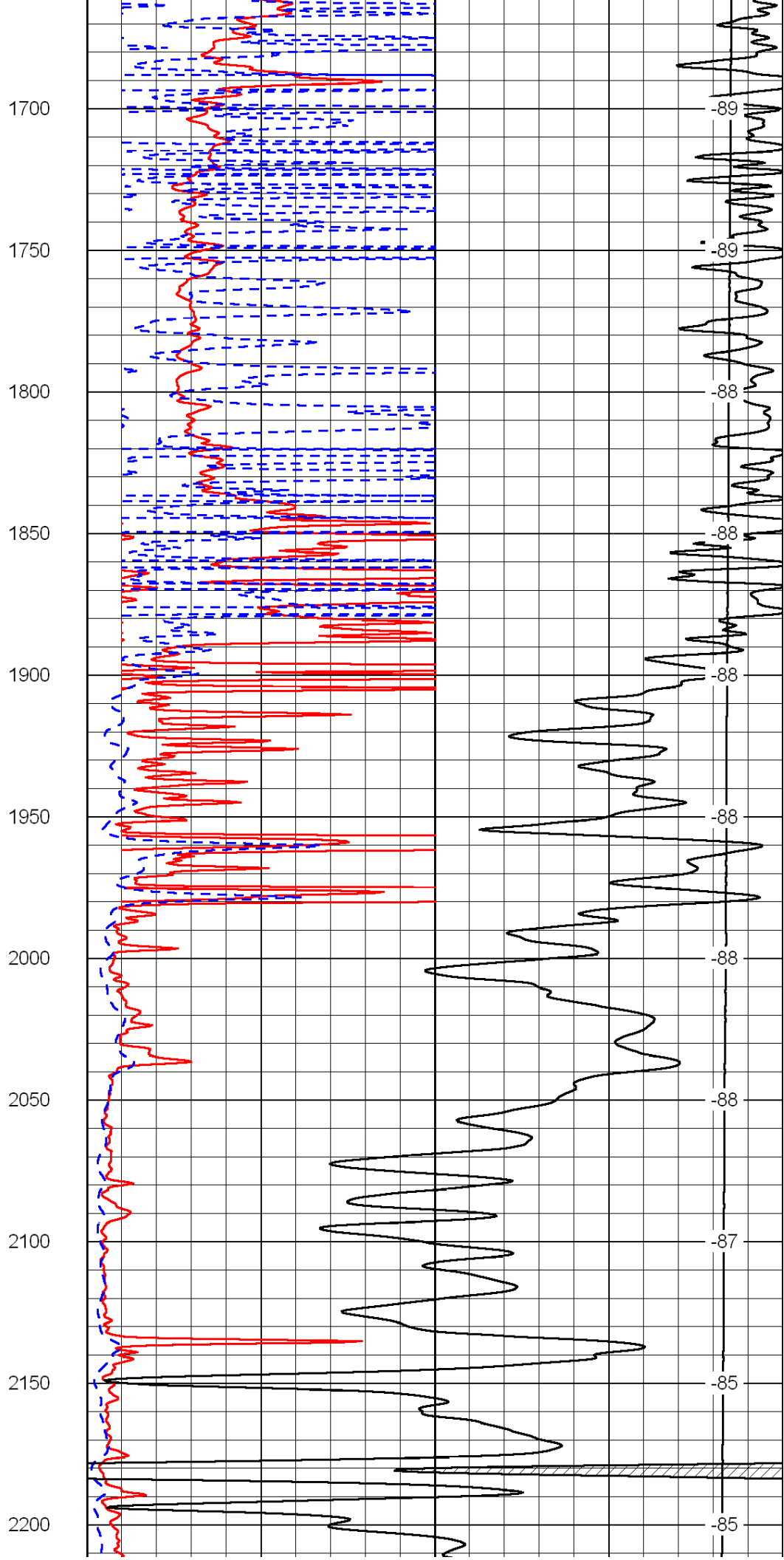
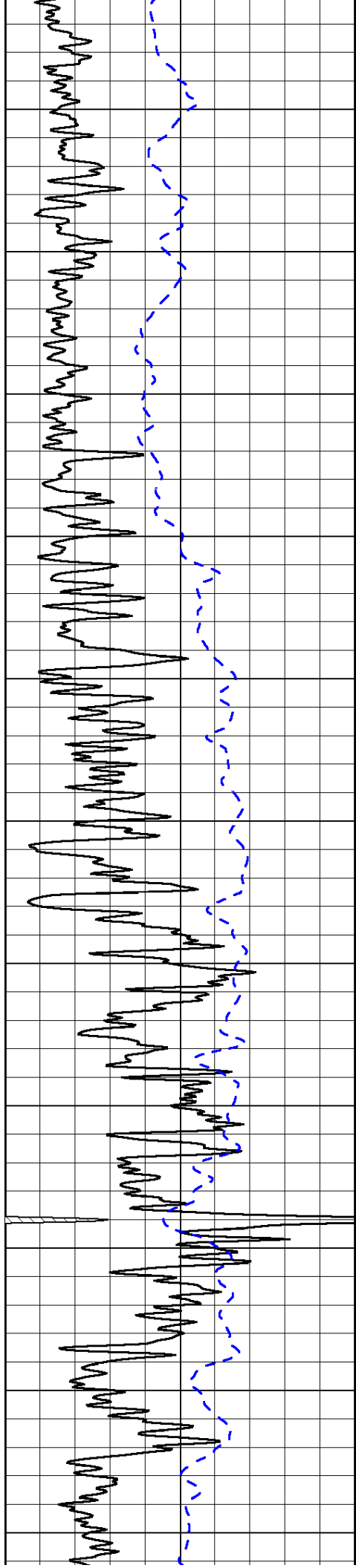
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0	Deep Resistivity	50

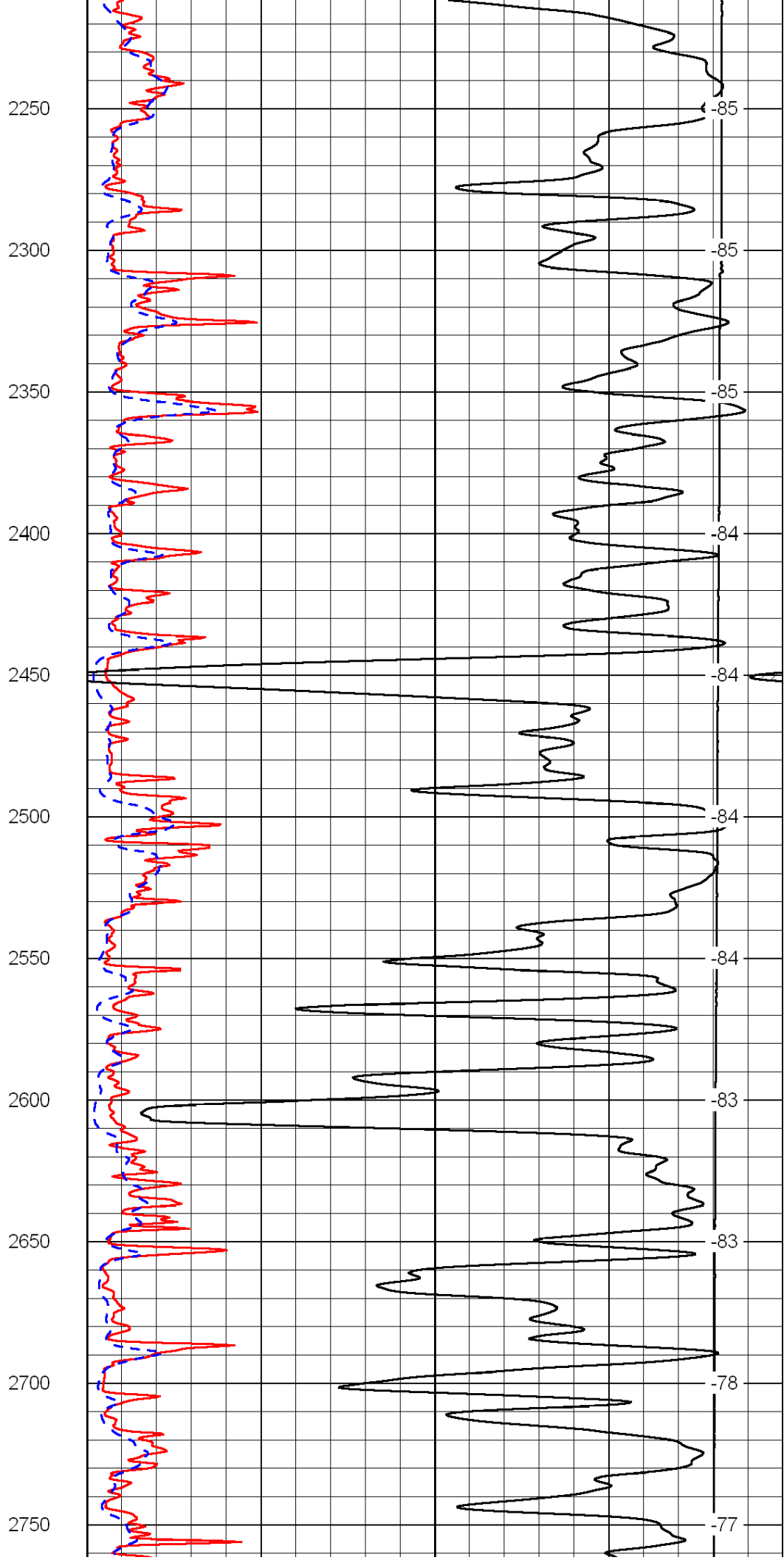
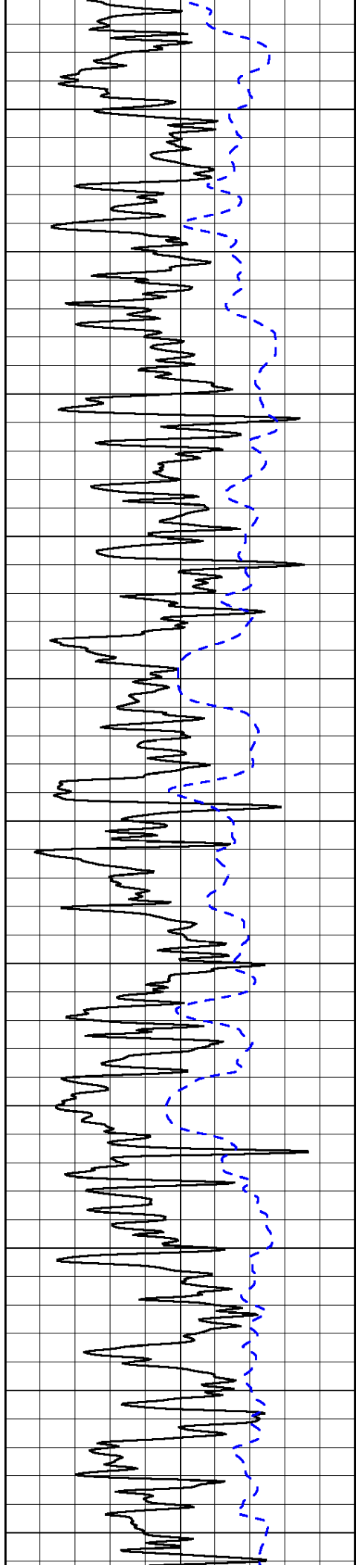
LSPD

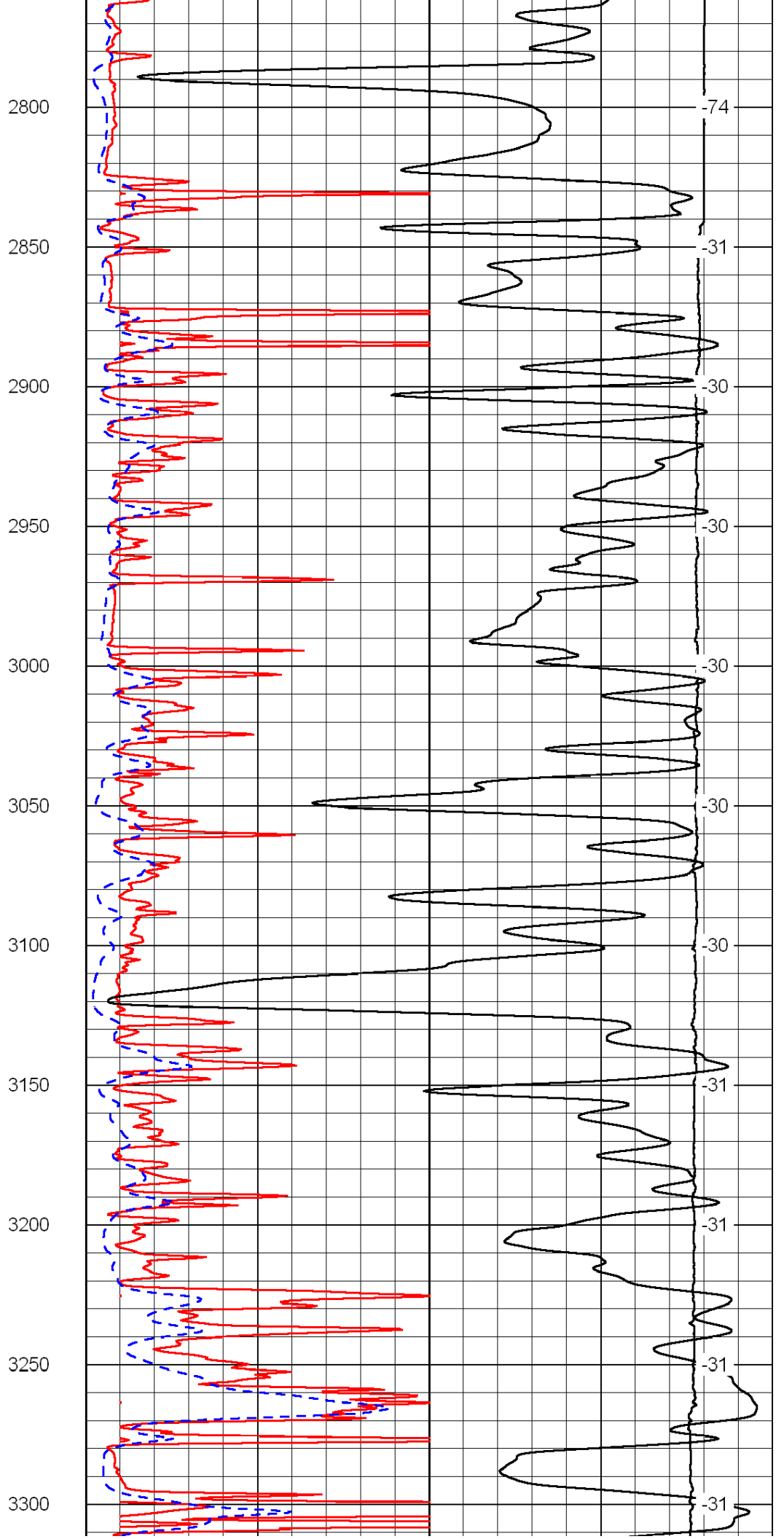
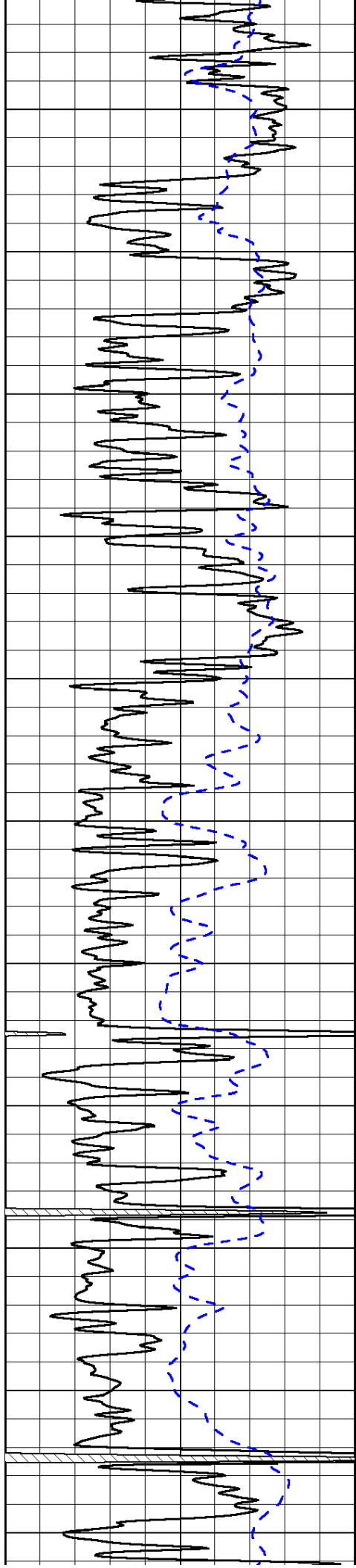
1000	Conductivity	0
15000	Line Tension	0

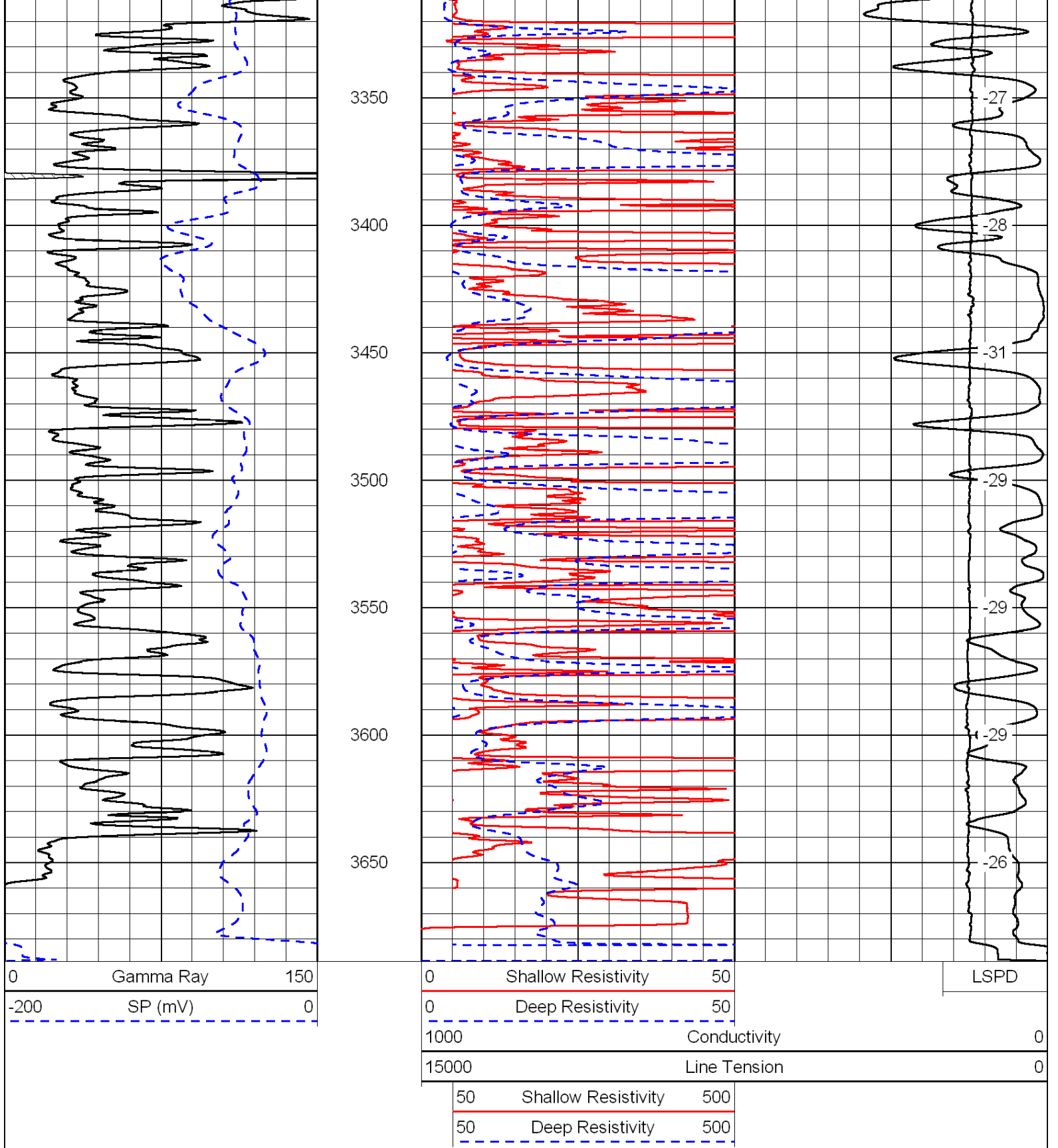
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50	Deep Resistivity	500



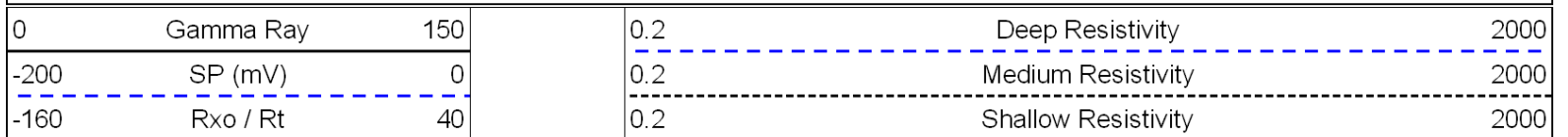








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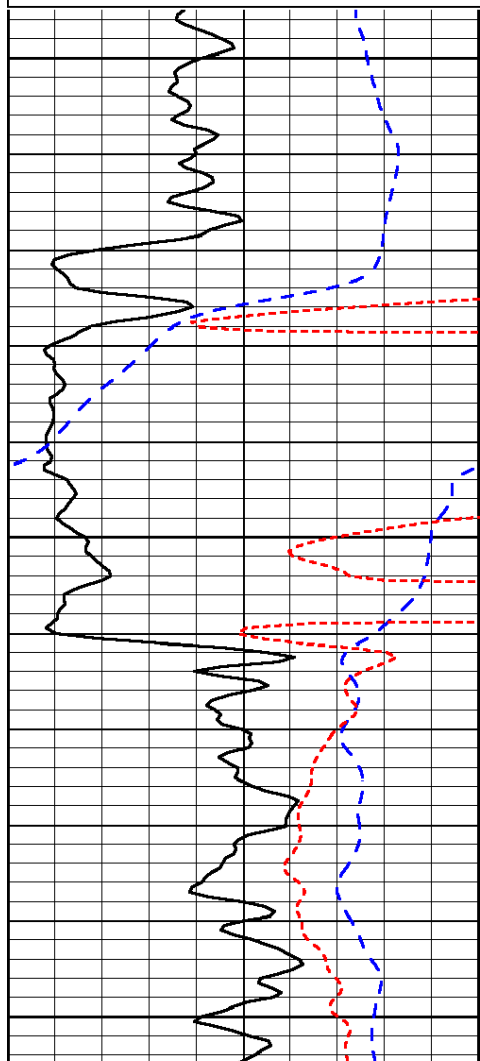


15000

Line Tension

0

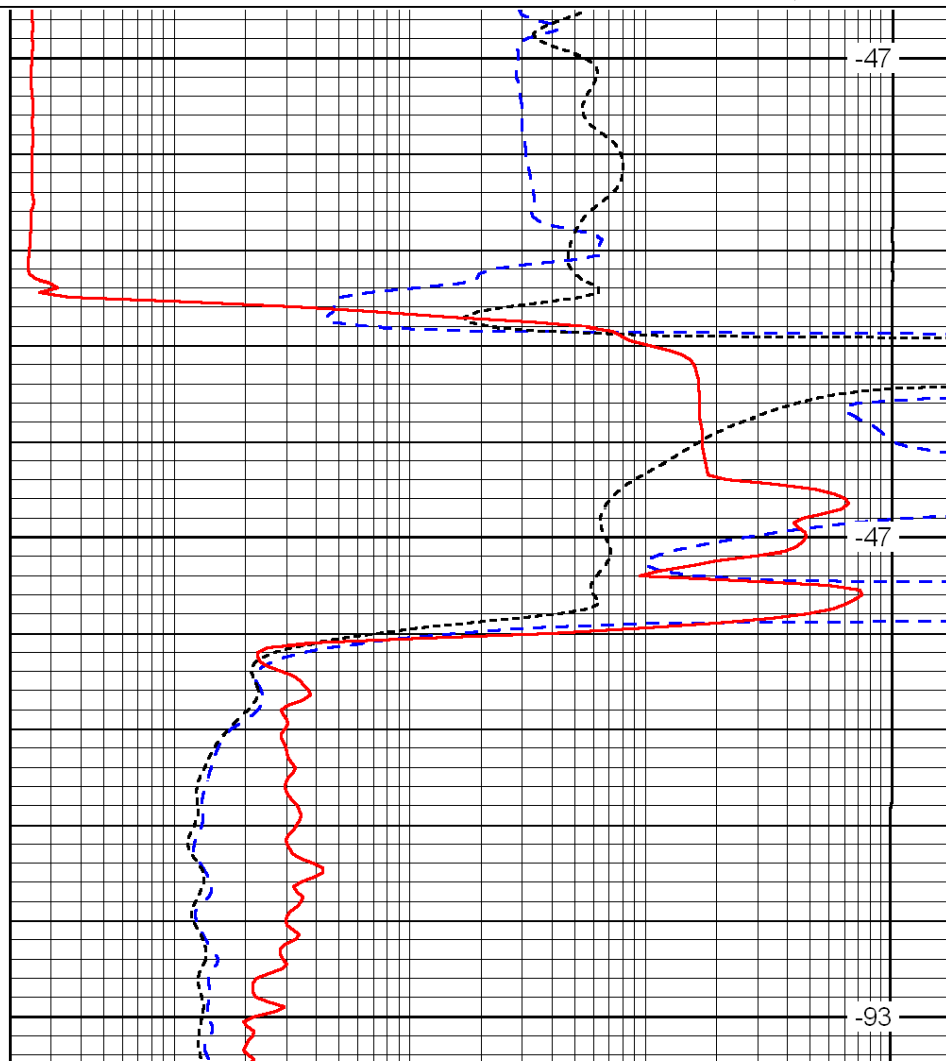
LSPD



1200

1250

1300



-47

-47

-93

0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

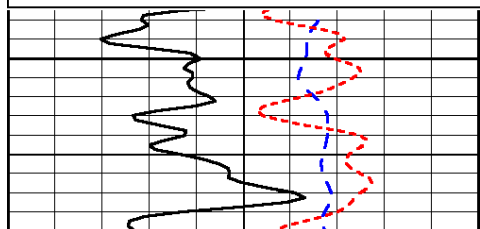
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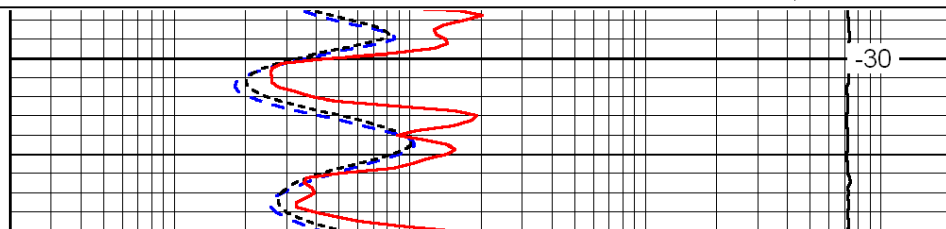
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-200	SP (mV)	0
-160	Rxo / Rt	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

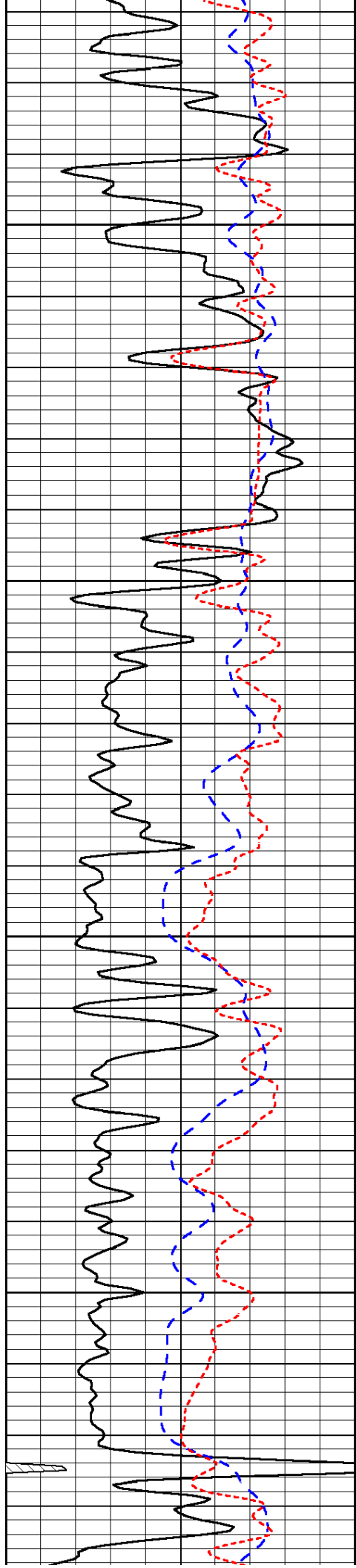
LSPD



2900



-30

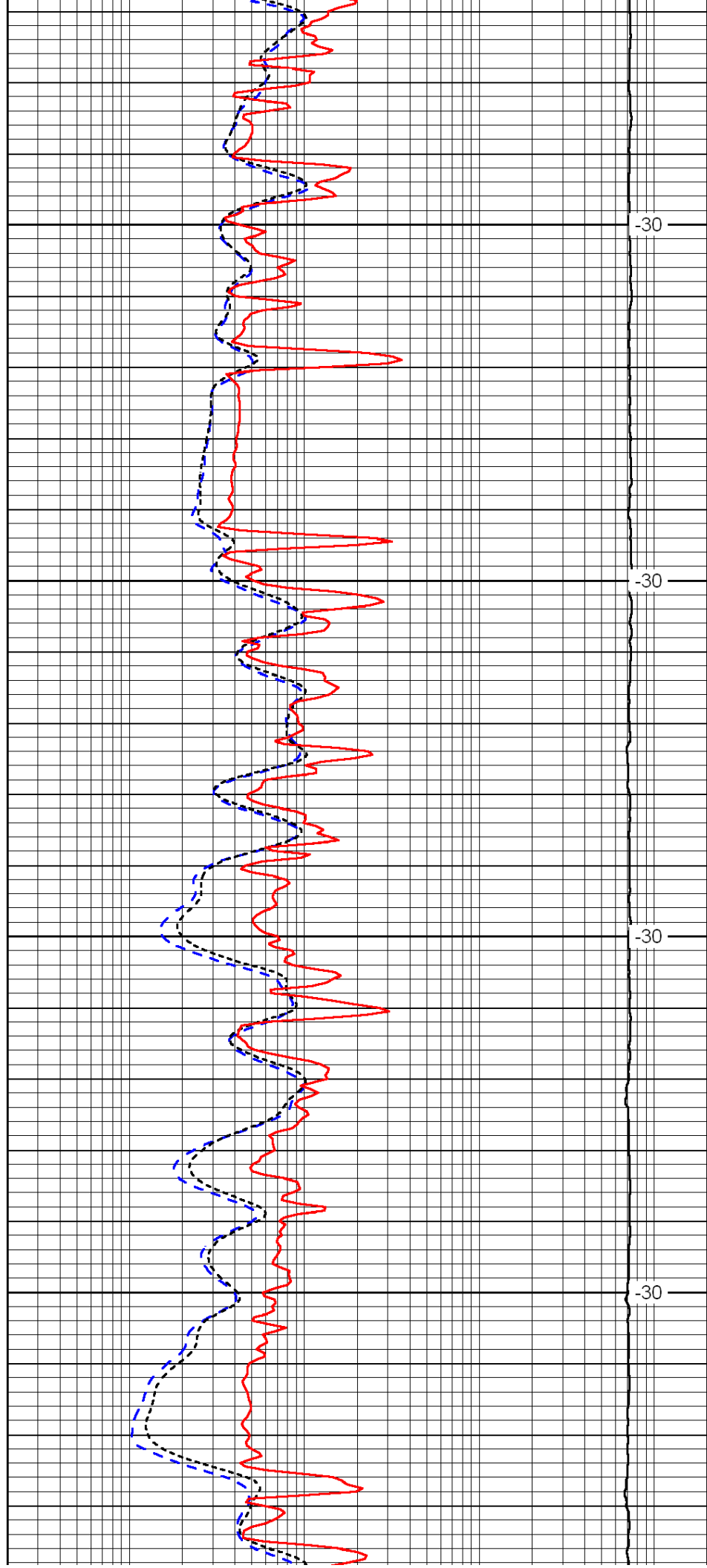


2950

3000

3050

3100

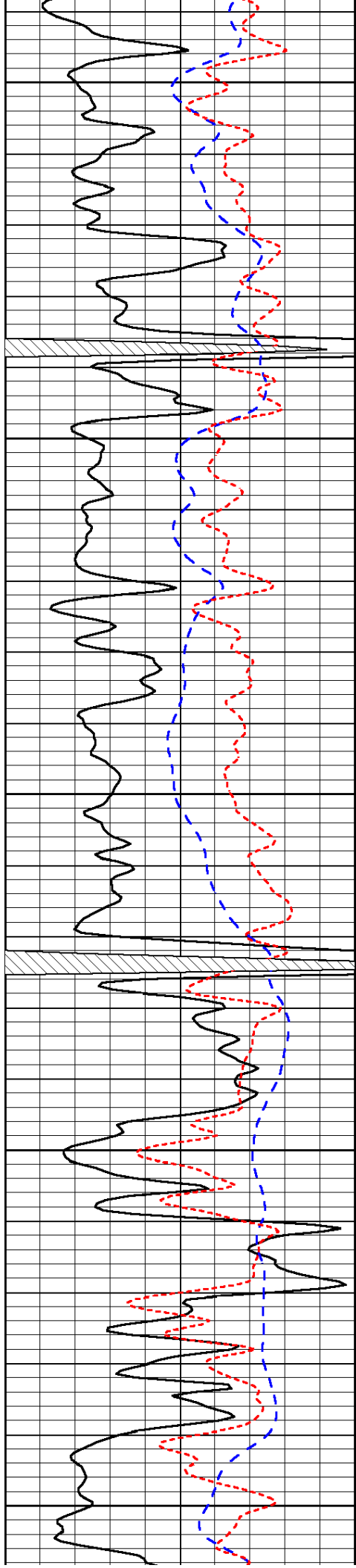


-30

-30

-30

-30



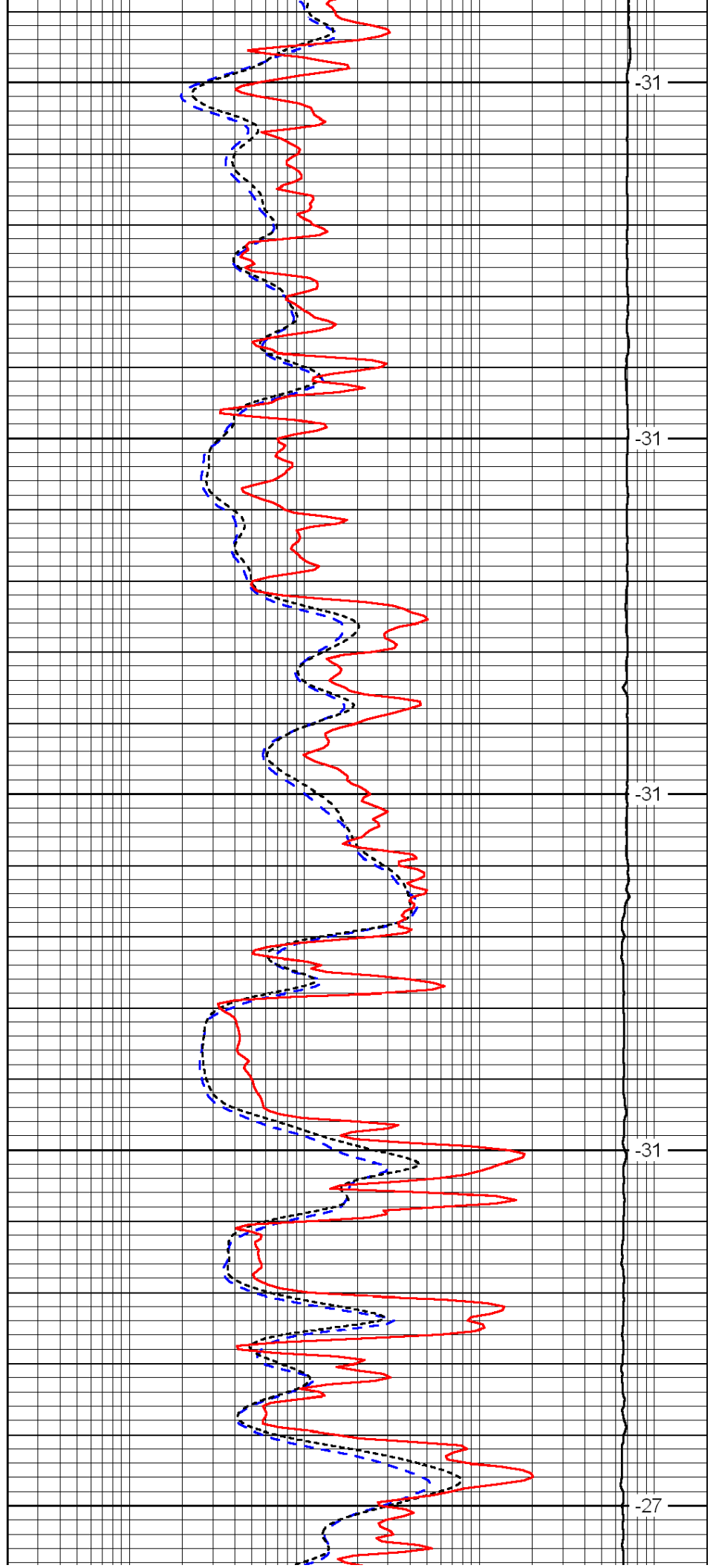
3150

3200

3250

3300

3350



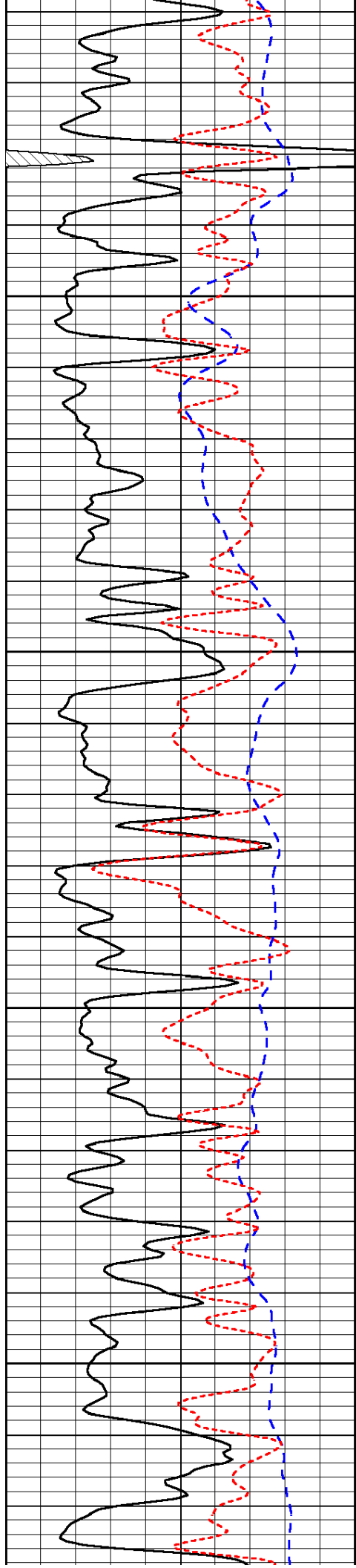
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-31

-31

-31

-27

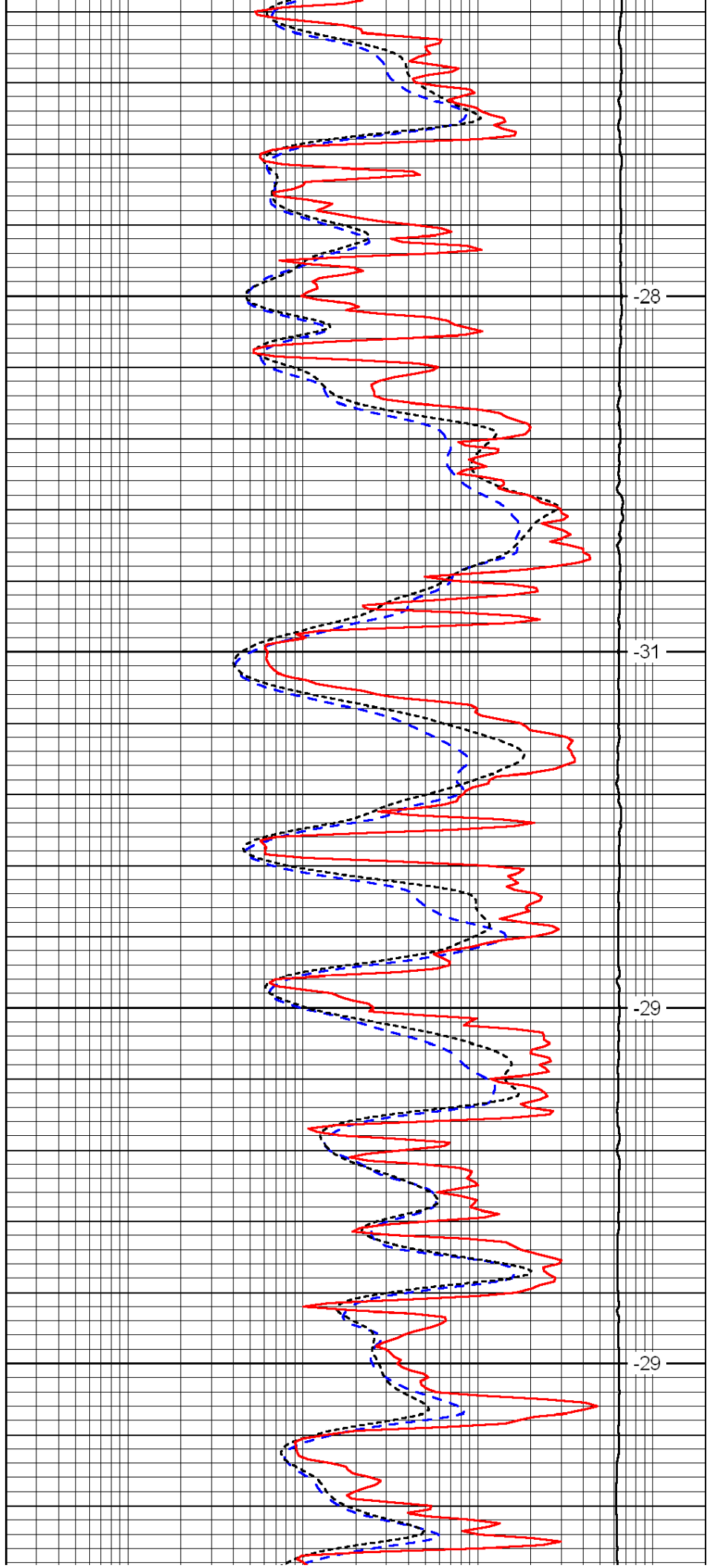


3400

3450

3500

3550

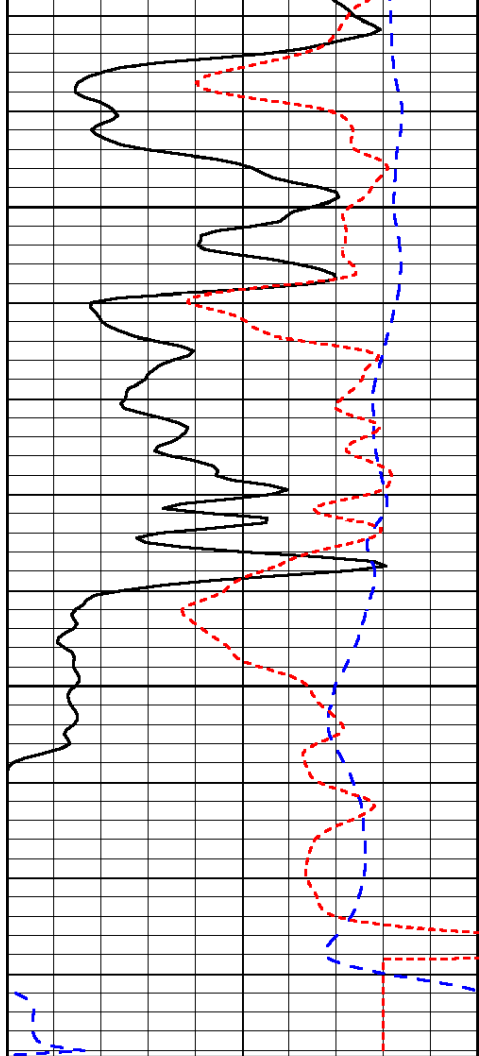


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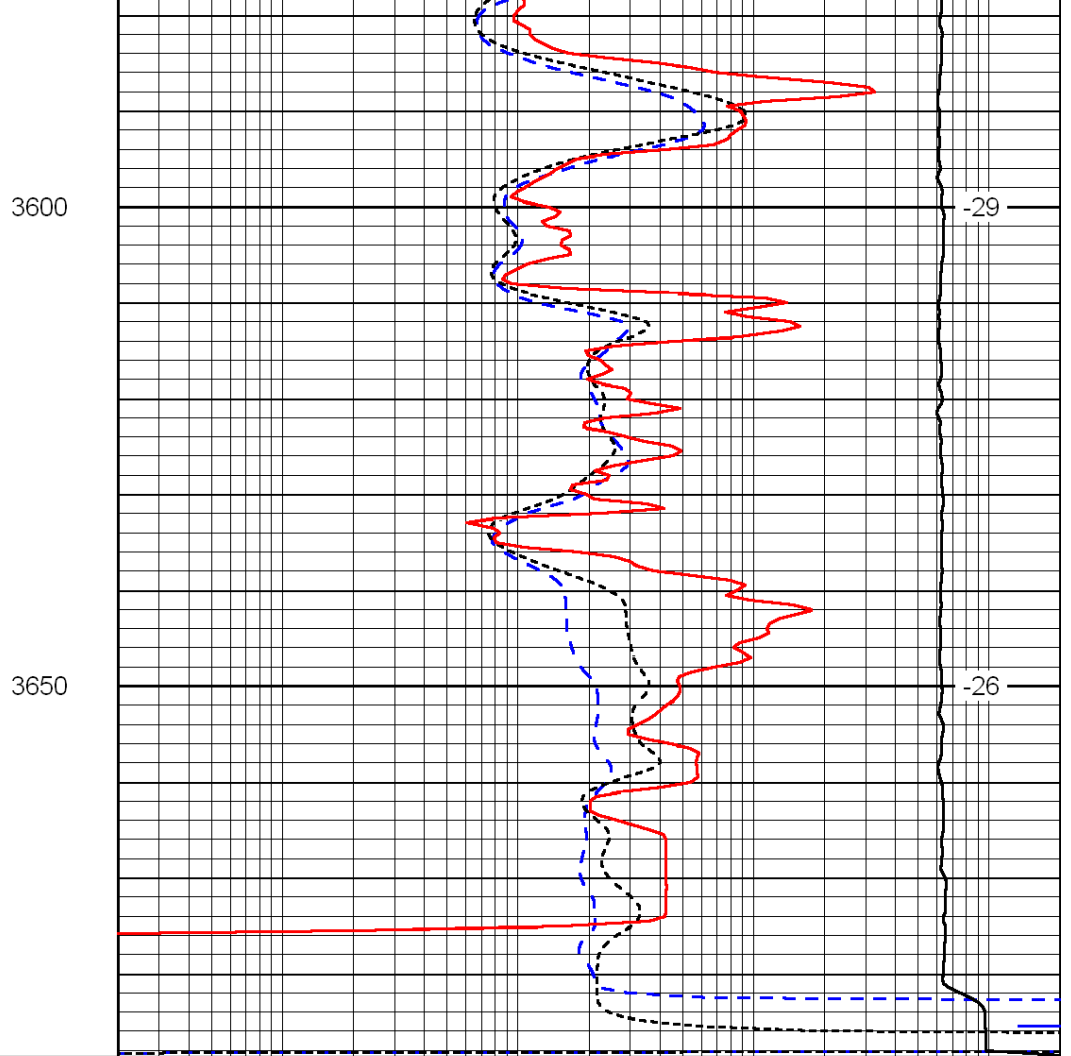
-31

-29

-29



0	Gamma Ray	150
-200	SP (mV)	0
-160	Rxo / Rt	40



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD



Dual Compensated  
Porosity Log

DIGITAL LOG (785) 625-3858

15-051-26,193-00-00

API No.

Company TDI, Inc.  
Well Charlotte No. 2  
Field Unnamed  
County Ellis  
State Kansas

Location 2150' FSL & 2300' FEL  
Sec: 15 Twp: 15 S Rge: 19 W

Permanent Datum Ground Level Elevation 2006  
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Other Services  
DIL  
Elevation  
K.B. 2016  
D.F.  
G.L. 2006

Date	10/21/2011
Run Number	One
Type Log	CNL / CDL
Depth Driller	3684
Depth Logger	3682
Bottom Logged Interval	3661
Top Logged Interval	2900
Type Fluid In Hole	Chemical
Salinity, PPM CL	4.500
Density	8.9
Level	Full
Max. Rec. Temp. F	115
Operating Rig Time	3 Hours
Equipment -- Location	91 Hays
Recorded By	K. Bange
Witnessed By	Herb Deines

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	1224	8.625	24#	00	1224
2	7.875	1224	3684				

Casing Record

<<< Fold Here >>>

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Comments

Thank you for using Log-Tech, Inc.  
(785) 625-3858  
  
Antonino, 1 W, 2 1/2 S, W into

Database File: c:\warrior\data\tdi\_charlotte no. 2\tdi102111hd.db  
Dataset Pathname: dil/tdistack  
Presentation Format: cdl  
Dataset Creation: Fri Oct 21 18:26:07 2011  
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			

