LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Induction Log

API No. 15-009-25561-00-00

Company LD Drilling, Inc.
Well Cobb #2
Field Otis-Albert
County Barton State Kansas

Location
SW SW NE
2310' FNL / 2310' FEL
Sec: 2 Twp: 19S Rge: 15W

Other Services
CNL / CDL

Elevation
K.B. 1991
D.F.
G.L. 1986

Permanent Datum Ground Level
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	5/28/2011			
Run Number	One			
Depth Driller	3700			
Depth Logger	3700			
Bottom Logged Interval	3699			
Top Log Interval	900			
Casing Driller	8.625 @ 945			
Casing Logger	942			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	8000			
Density / Viscosity	9.5 / 57			
pH / Fluid Loss	9.5 / 11.2			
Source of Sample	Flowline			
Rm @ Meas. Temp	0.70 @ 70			
Rmf @ Meas. Temp	0.53 @ 70			
Rmc @ Meas. Temp	0.95 @ 70			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.43 @ 115			
Operating Rig Time	2 1/2 Hours			
Max Rec. Temp. F	115			
Equipment Number	17			
Location	Hays			
Recorded By	R. Barnhart			
Witnessed By	Josh Austin			

<<< Fold Here >>>

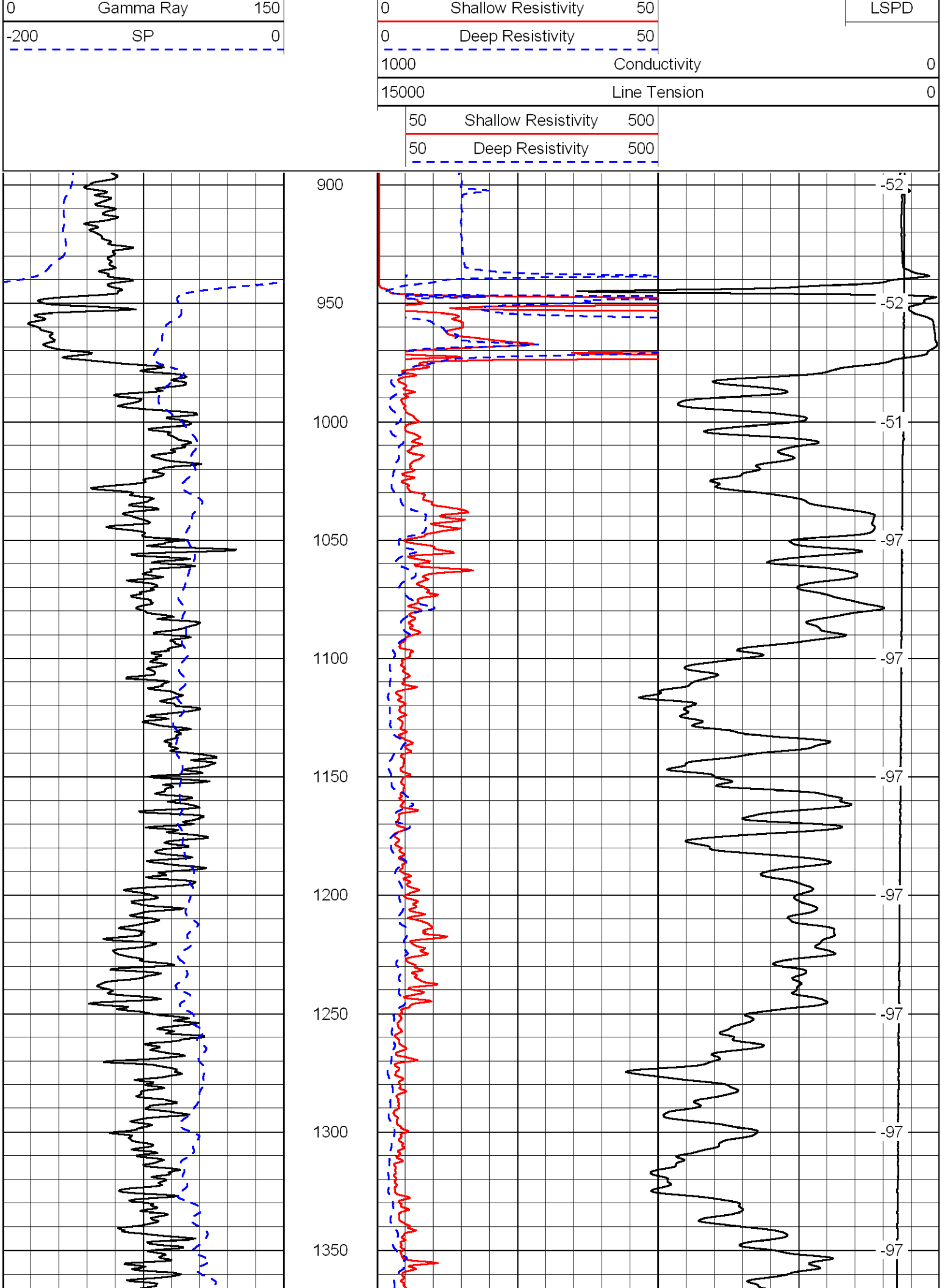
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

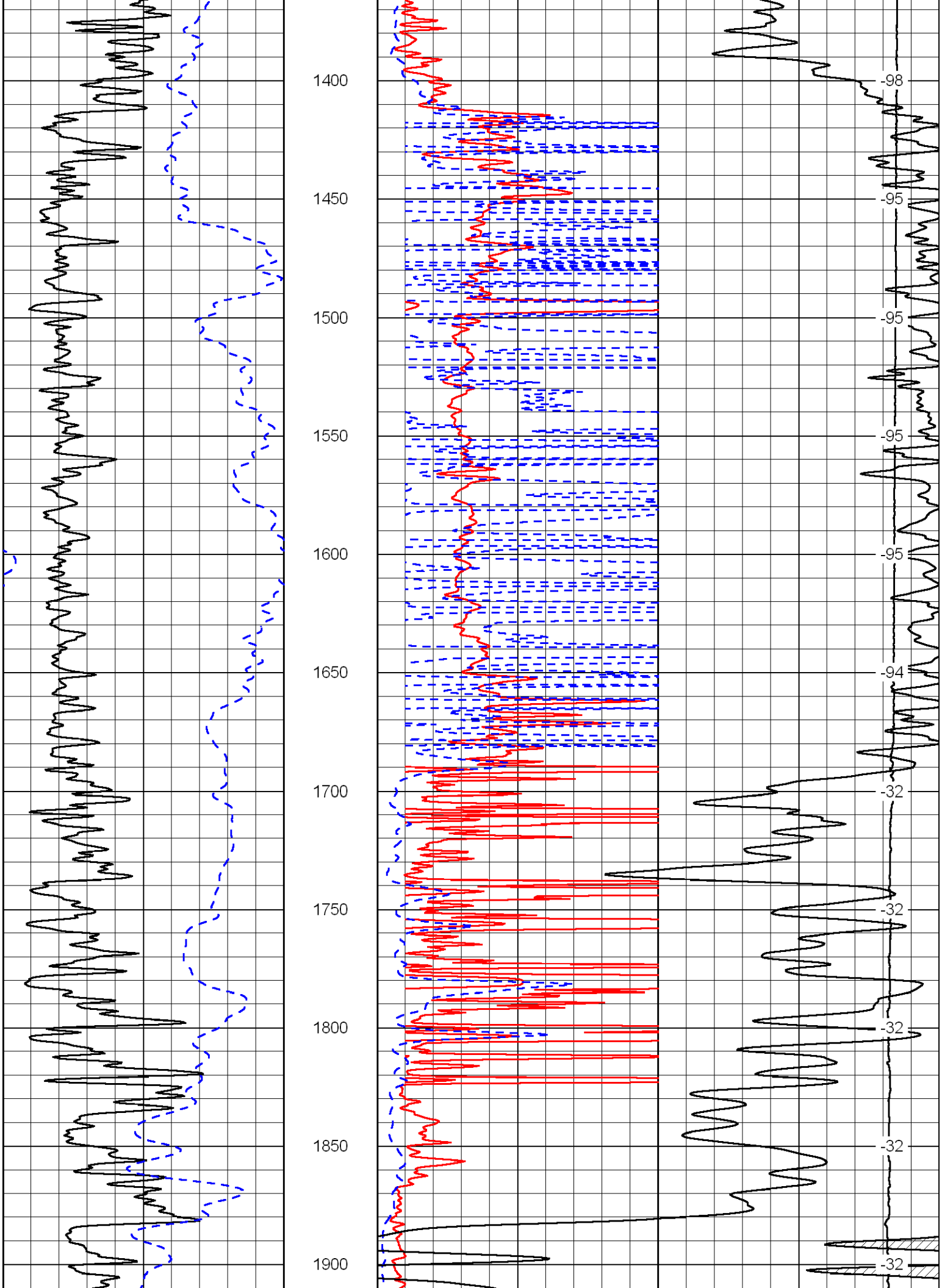
Comments

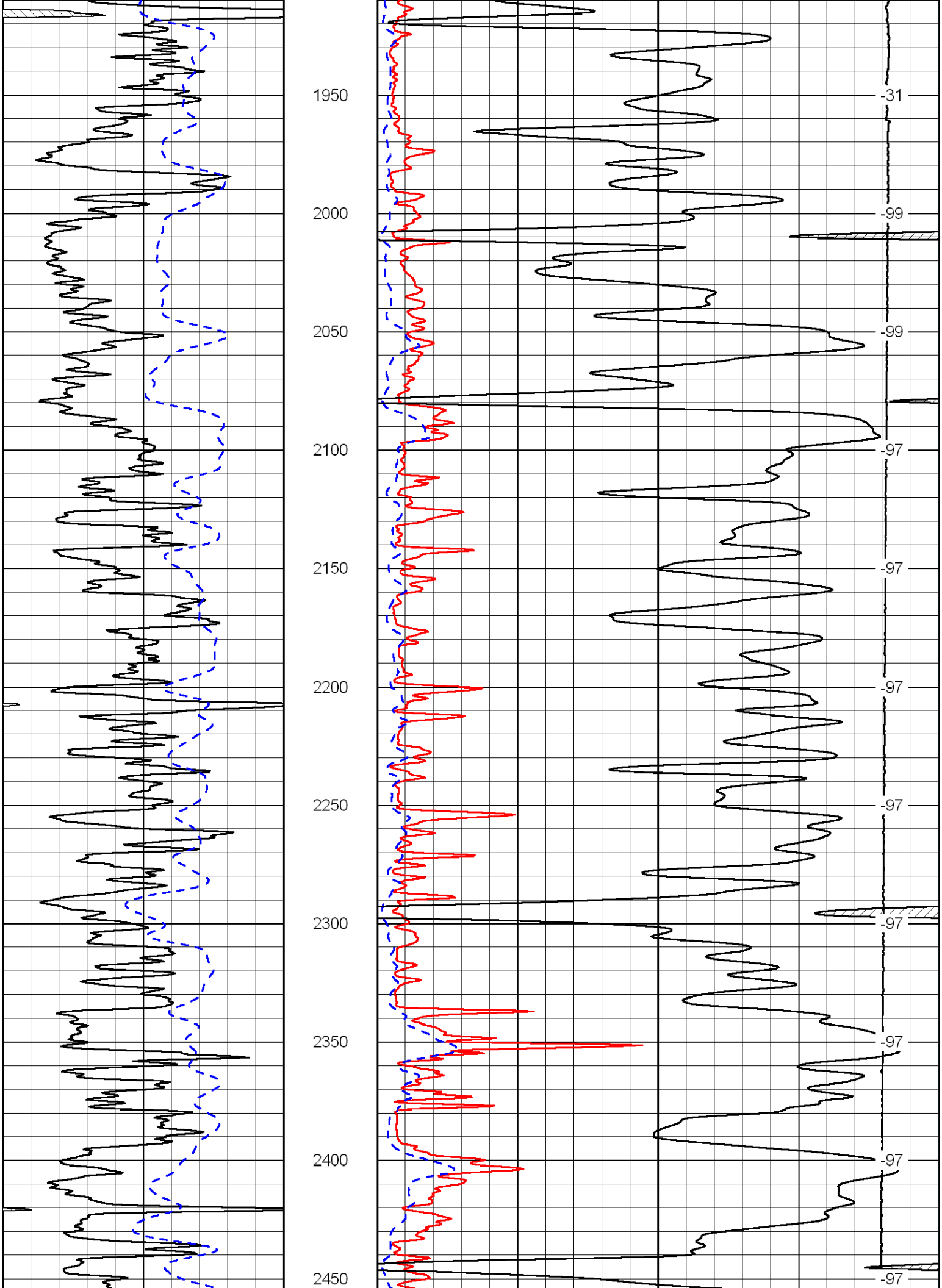
Thank you for using Log-Tech, Inc.
(785) 625-3858

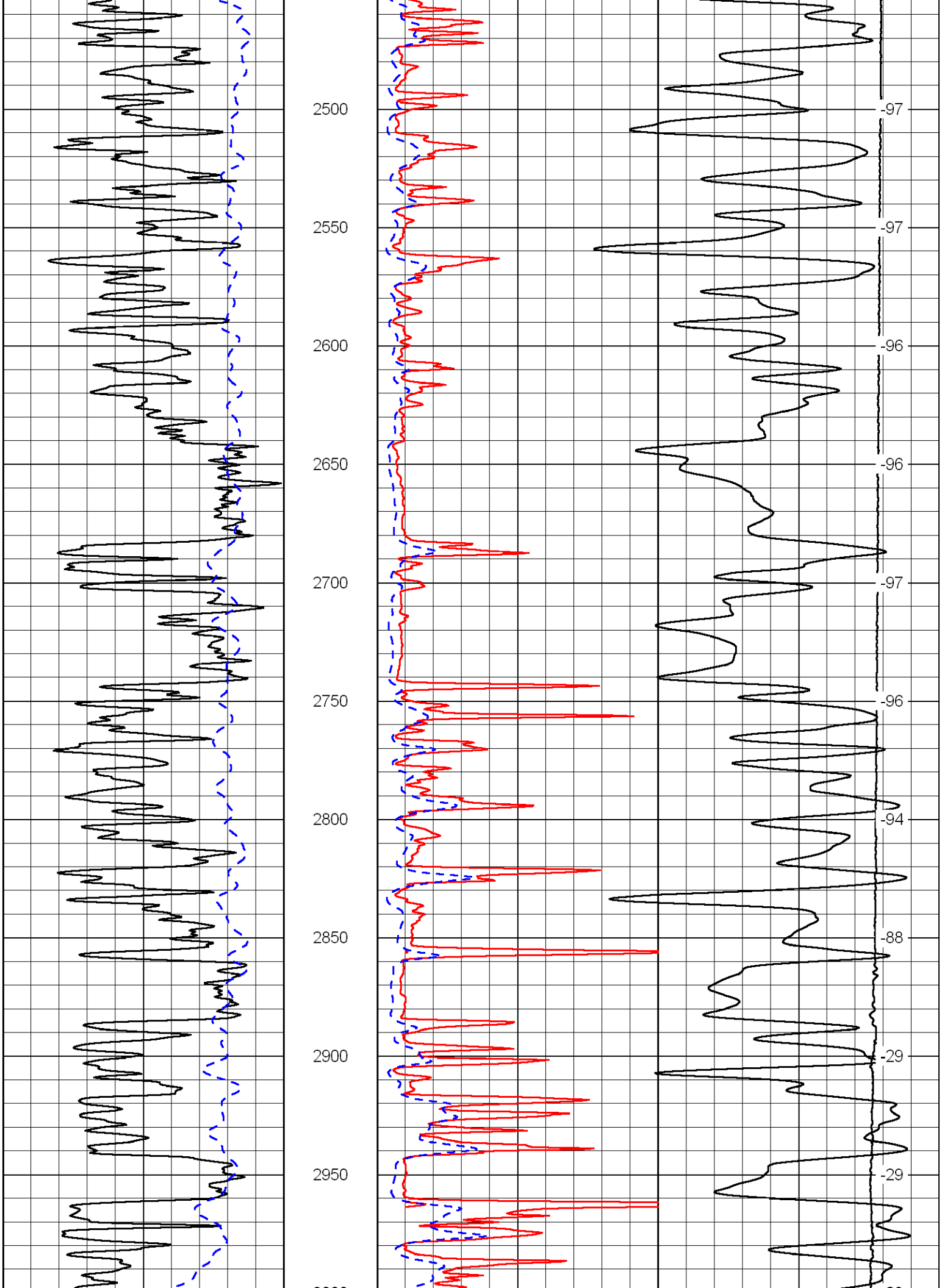
Albert, KS:
4E, 1S, W into

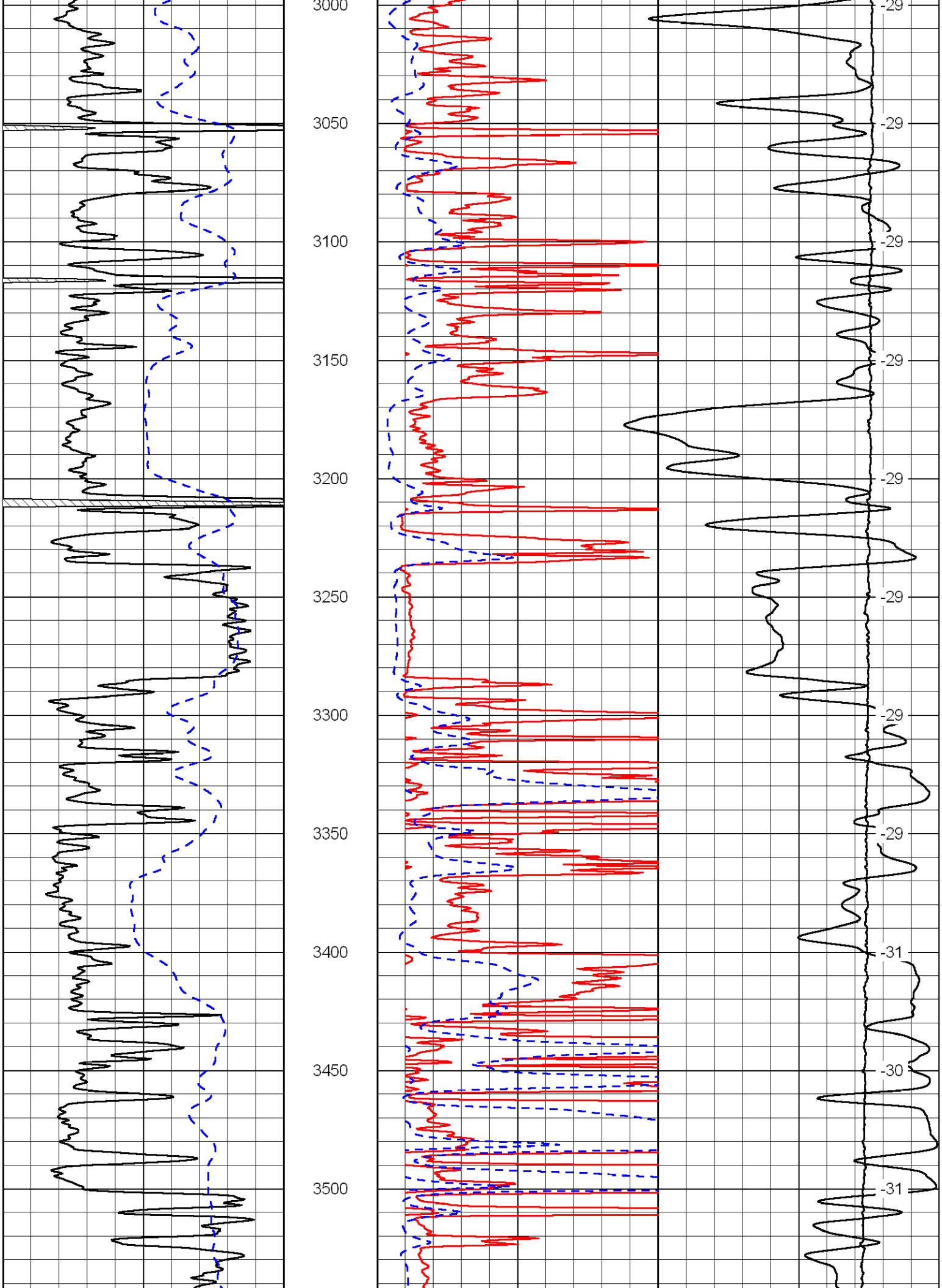
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Dataset Creation: Sat May 28 20:21:50 2011
Charted by: Depth in Feet scaled 1:600

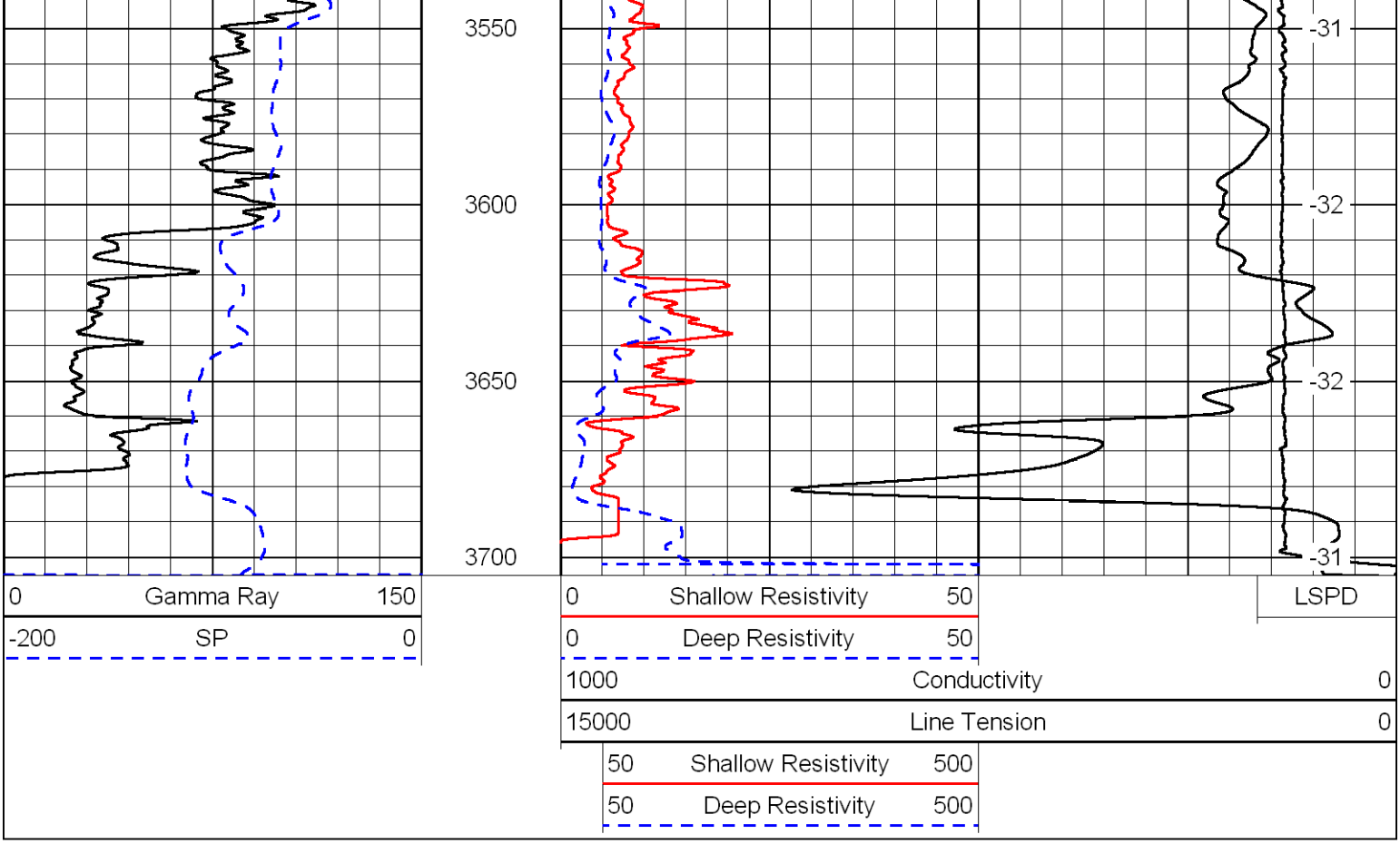

0 Gamma Ray 150
-200 SP 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
900
950
1000
1050
1100
1150
1200
1250
1300
1350
-52
-52
-51
-97
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-97
-97
-97
-97


1400
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1500
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1600
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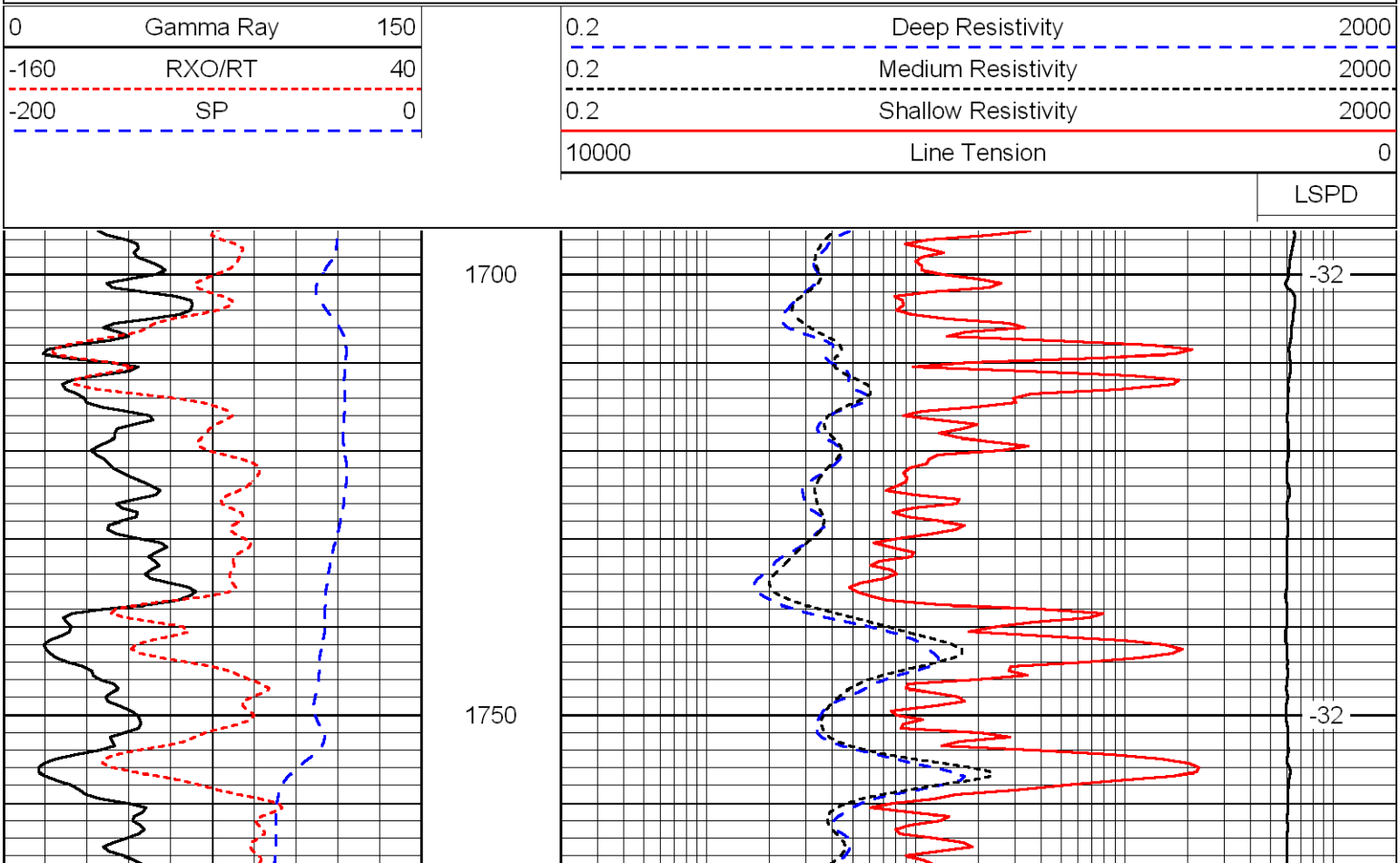

1950
2000
2050
2100
2150
2200
2250
2300
2350
2400
2450
-31
-99
-99
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-97
-97
-97
-97

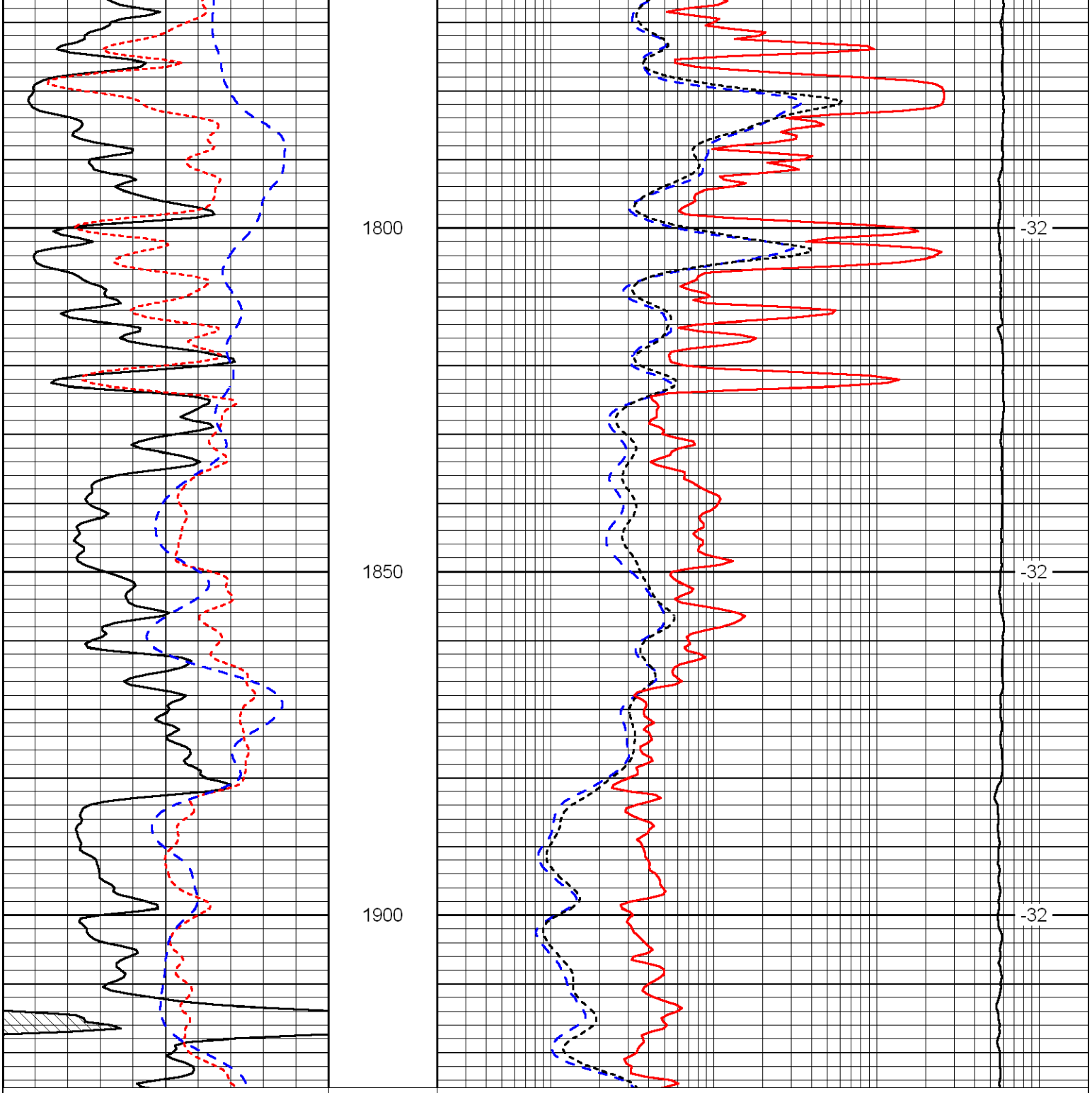

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2550
2600
2650
2700
2750
2800
2850
2900
2950
-97
-97
-96
-96
-97
-96
-94
-88
-29
-29


3000
3050
3100
3150
3200
3250
3300
3350
3400
3450
3500
-29
-29
-29
-29
-29
-29
-29
-31
-30
-31



Database File: ldhd.db
Dataset Pathname: dil/ldmain
Presentation Format: dil
Dataset Creation: Sat May 28 20:21:50 2011
Charted by: Depth in Feet scaled 1:240





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-160	RXO/RT	40
-200	SP	0

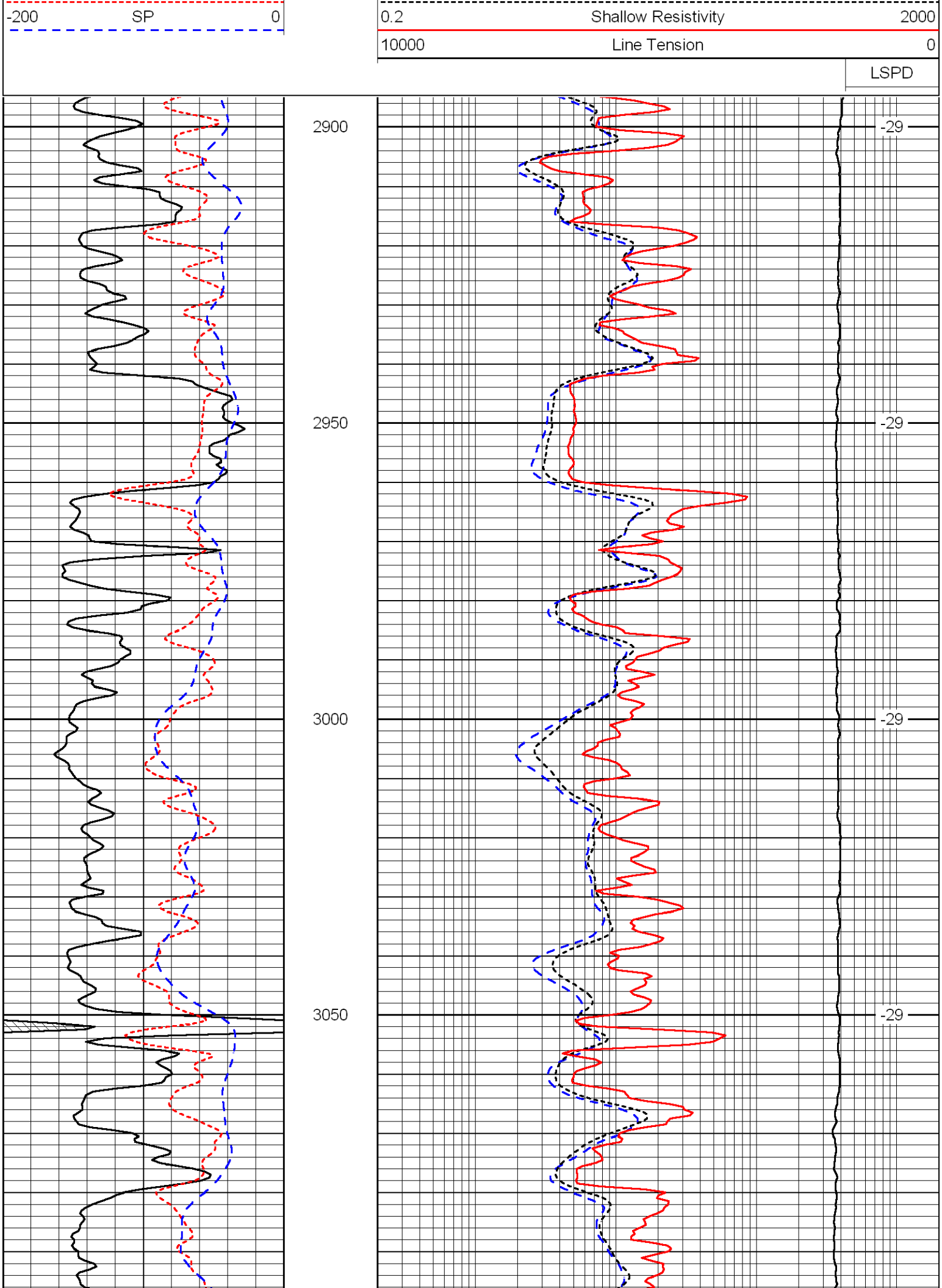
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0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

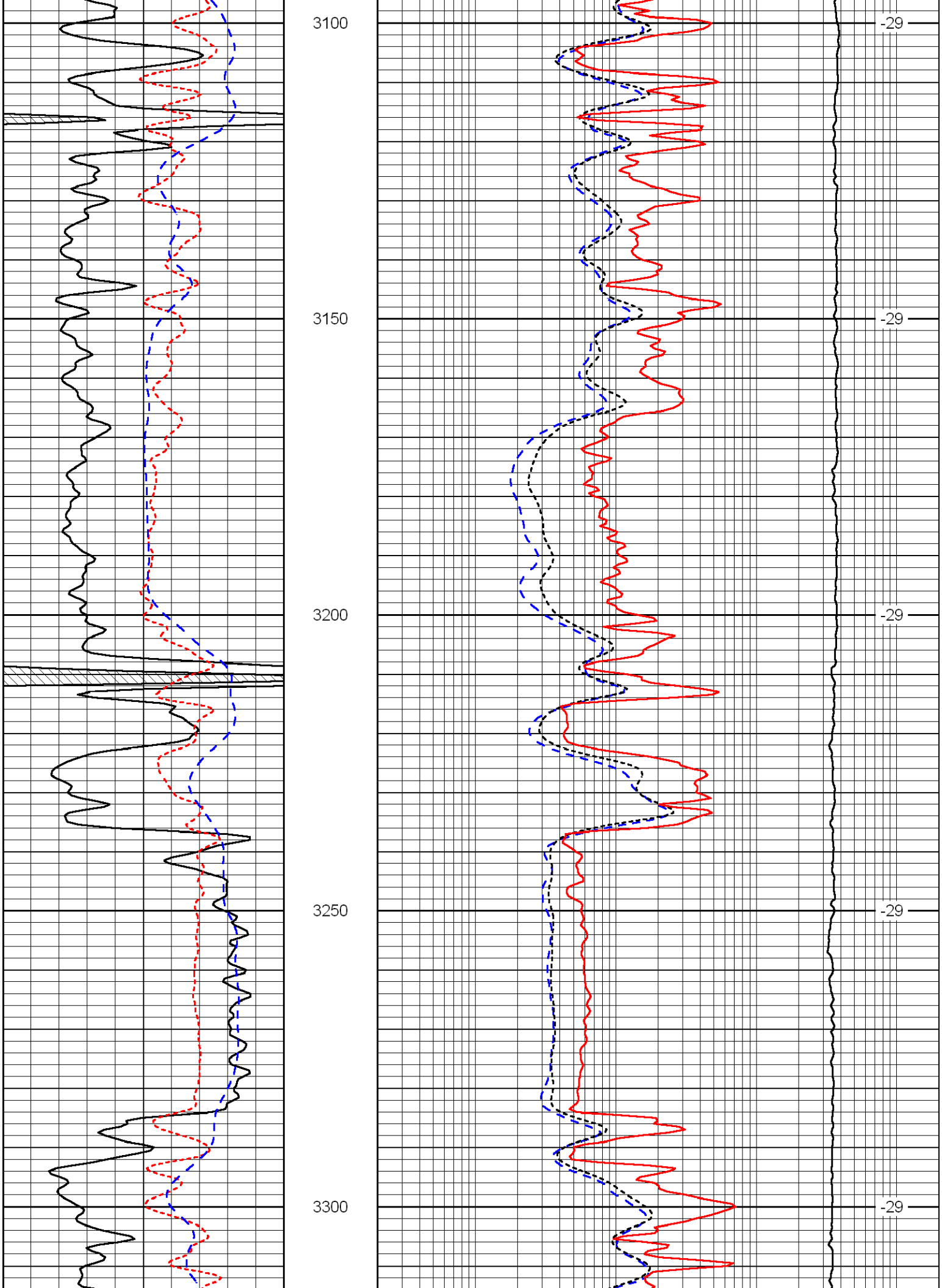
LSPD

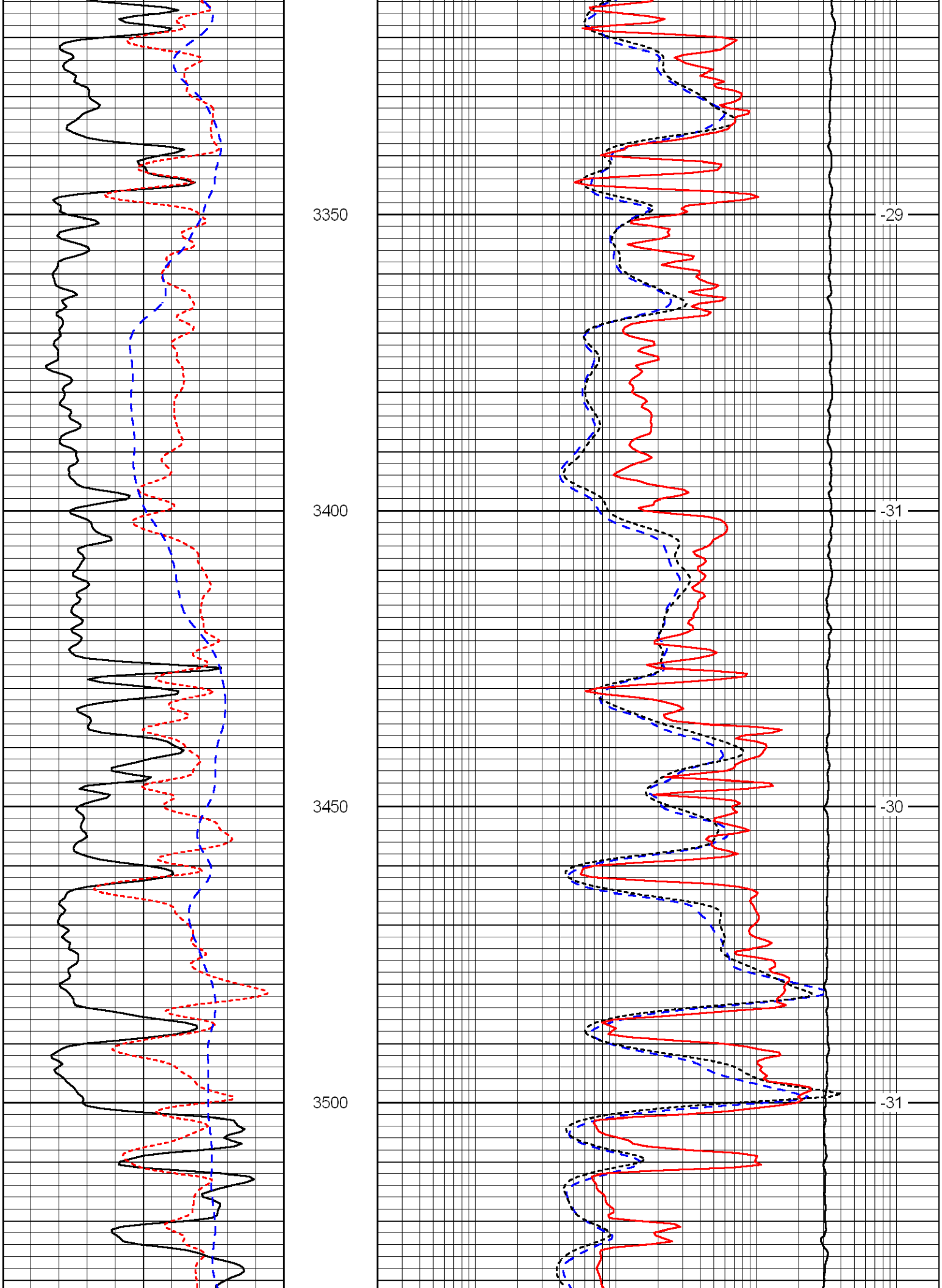
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Dataset Pathname:	dil/ldmain
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Charted by:	Depth in Feet scaled 1:240

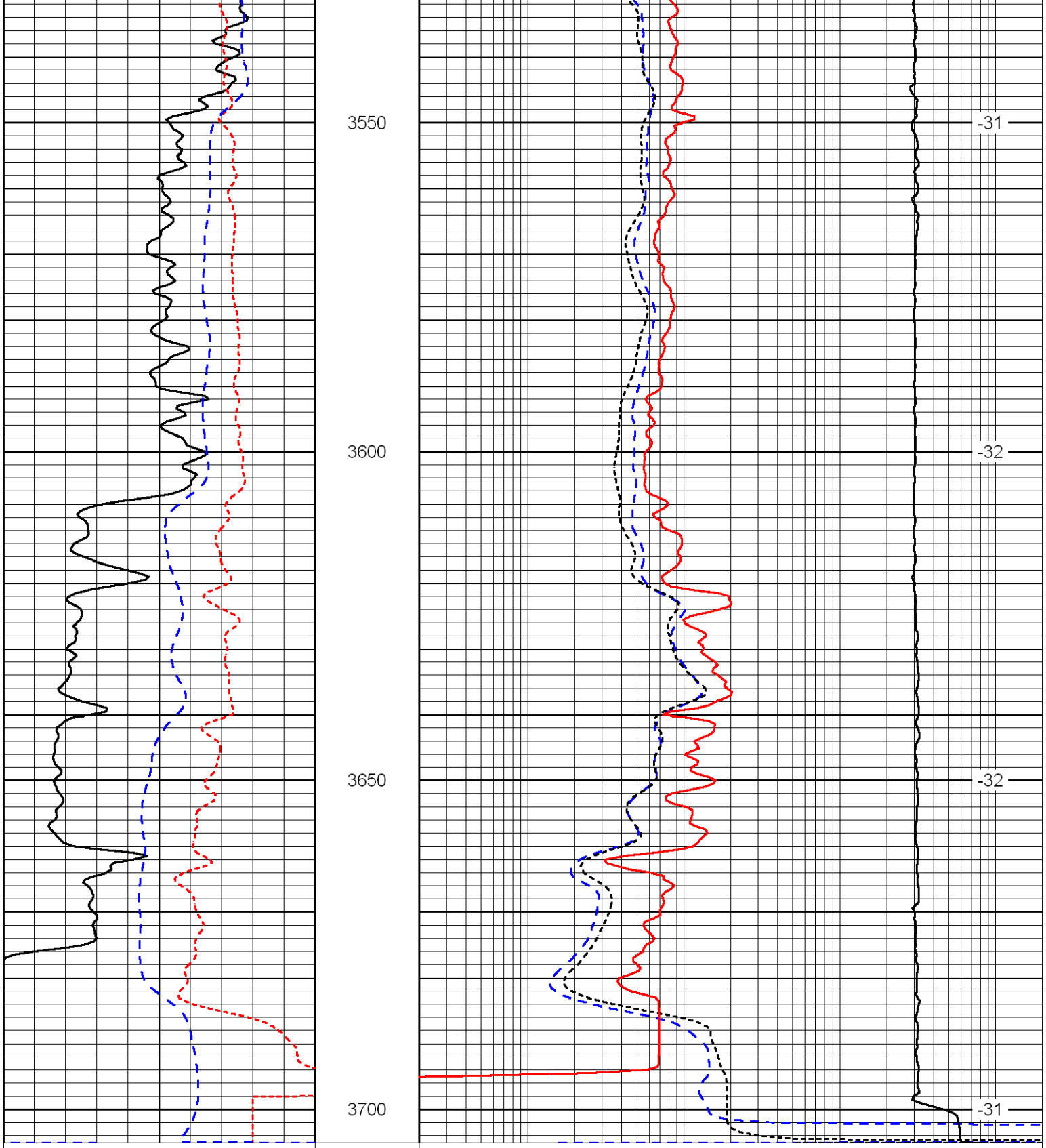
0	Gamma Ray	150
-160	RXO/RT	40

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000


-200
SP
0
0.2
Shallow Resistivity
2000
10000
Line Tension
0
LSPD
2900
2950
3000
3050
-29
-29
-29


3100
3150
3200
3250
3300
-29
-29
-29
-29
-29


3350
3400
3450
3500
-29
-31
-30
-31


3550
3600
3650
3700
-31
-32
-32
-31
0
Gamma Ray
150
-160
RXO/RT
40
-200
SP
0
0.2
Deep Resistivity
2000
0.2
Medium Resistivity
2000
0.2
Shallow Resistivity
2000
10000
Line Tension
0
LSPD