PIONEER
Pioneer Energy Services

Radiation Guard Log

API No.	15-167-23842-00-00
Company	Bear Petroleum, LLC
Well	Krug #11
Field	Trapp
County	Russell
State	Kansas
Location	S2 SE NE SE 1350' FSL / 330' FEL
Other Services	MEL
Sec:	24
Twp:	15S
Rge:	14W

Permanent Datum	Ground Level	Elevation 1882
Log Measured From	Kelly Bushing	13 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Elevation
K.B. 1895
D.F.
G.L. 1882

Date	12/7/2012			
Run Number	One			
Depth Driller	3367			
Depth Logger	3365			
Bottom Logged Interval	3364			
Top Log Interval	400			
Casing Driller	8.625 @ 436			
Casing Logger	430			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	3000			
Density / Viscosity	9.0 / 58			
pH / Fluid Loss	9.8 / 8.8			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.10 @ 54			
Rmf @ Meas. Temp	0.83 @ 54			
Rmc @ Meas. Temp	1.49 @ 54			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.54 @ 110			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	110			
Equipment Number	15			
Location	Hays			
Recorded By	R. Barnhart			
Witnessed By	Keith Reavis			

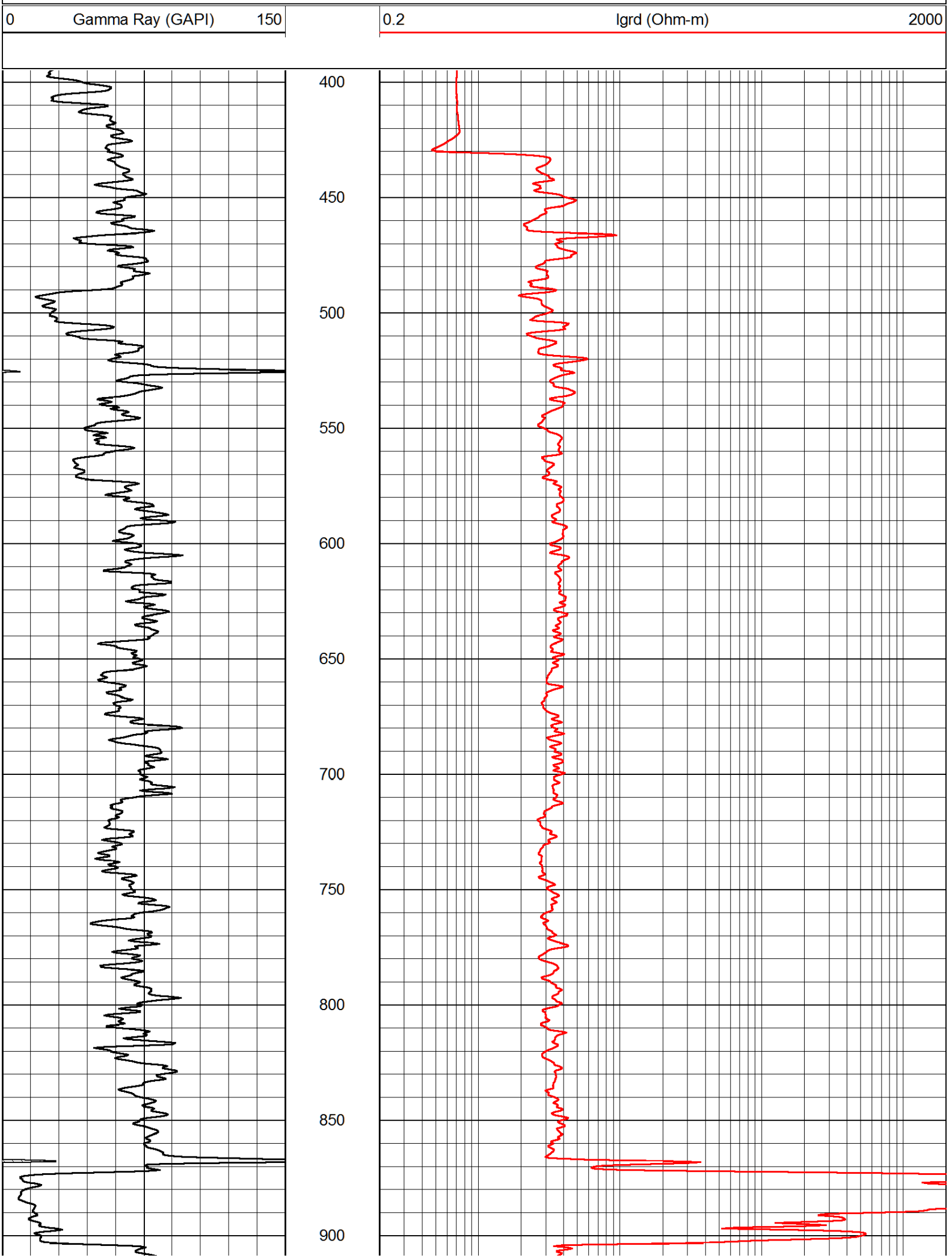
<<< Fold Here >>>

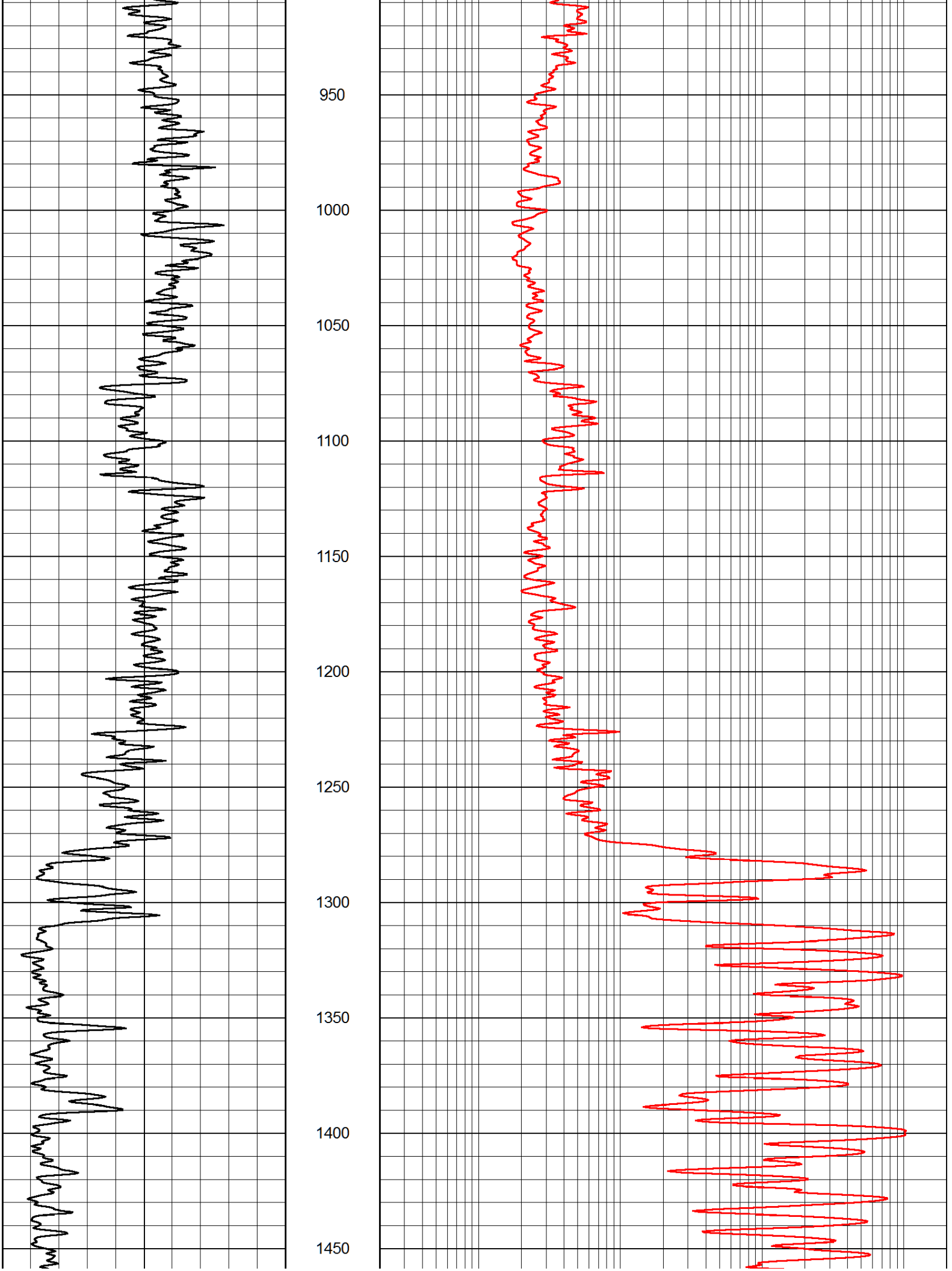
Comments

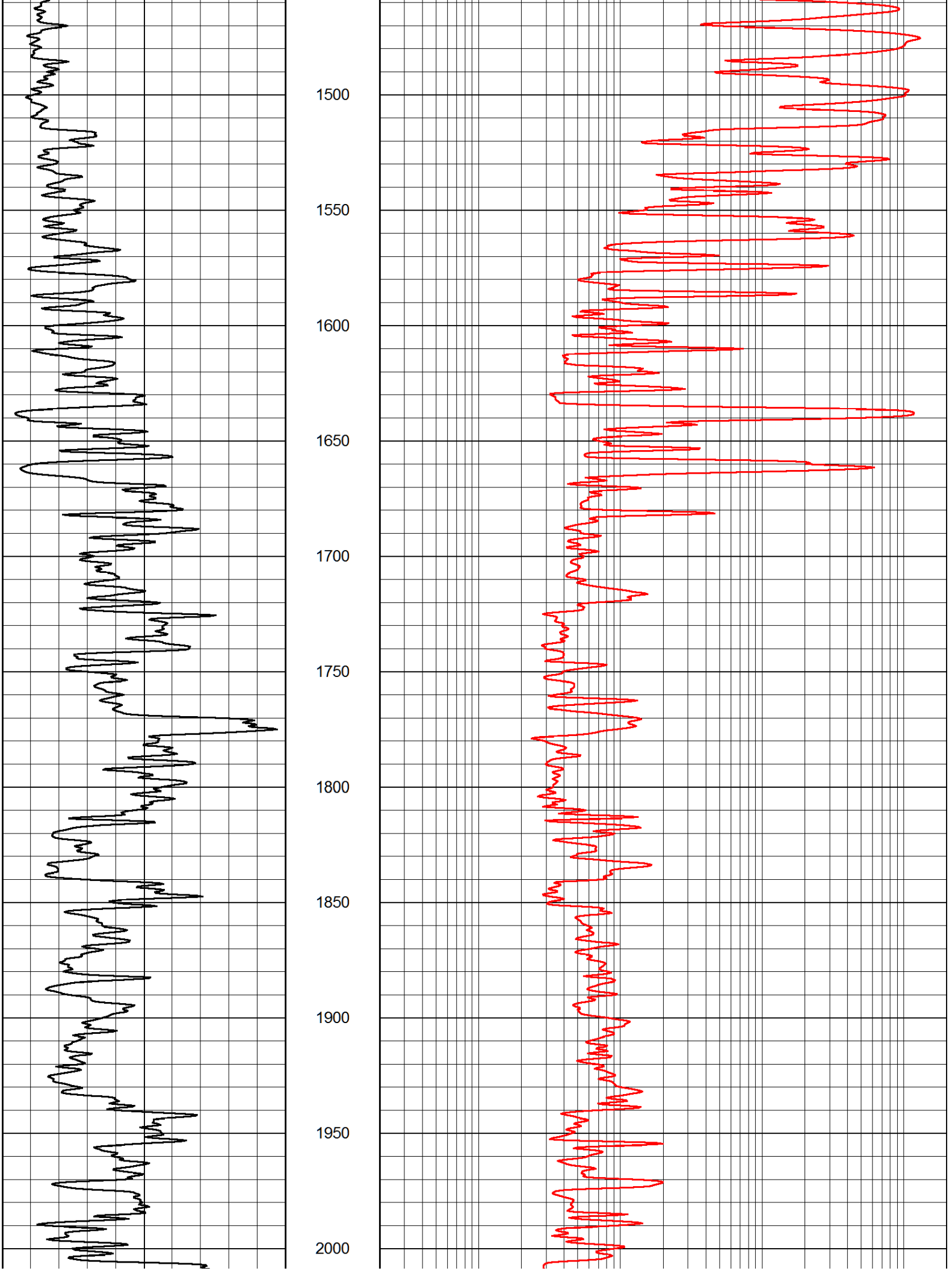
Thank you for using Log-Tech, Inc.
(785) 625-3858

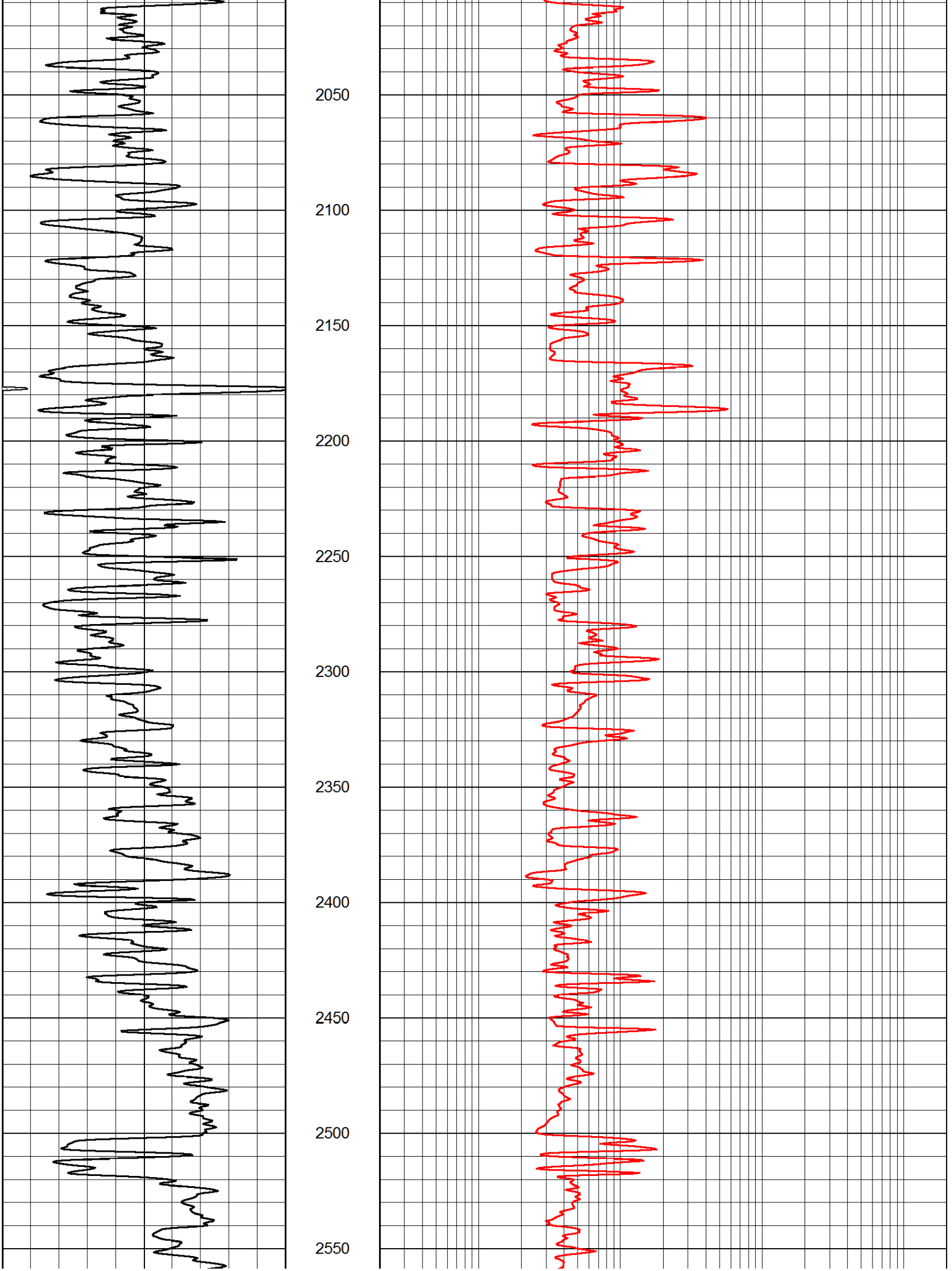
Russell, KS:
S to Stickney Rd., 2E, 1/4N, W into

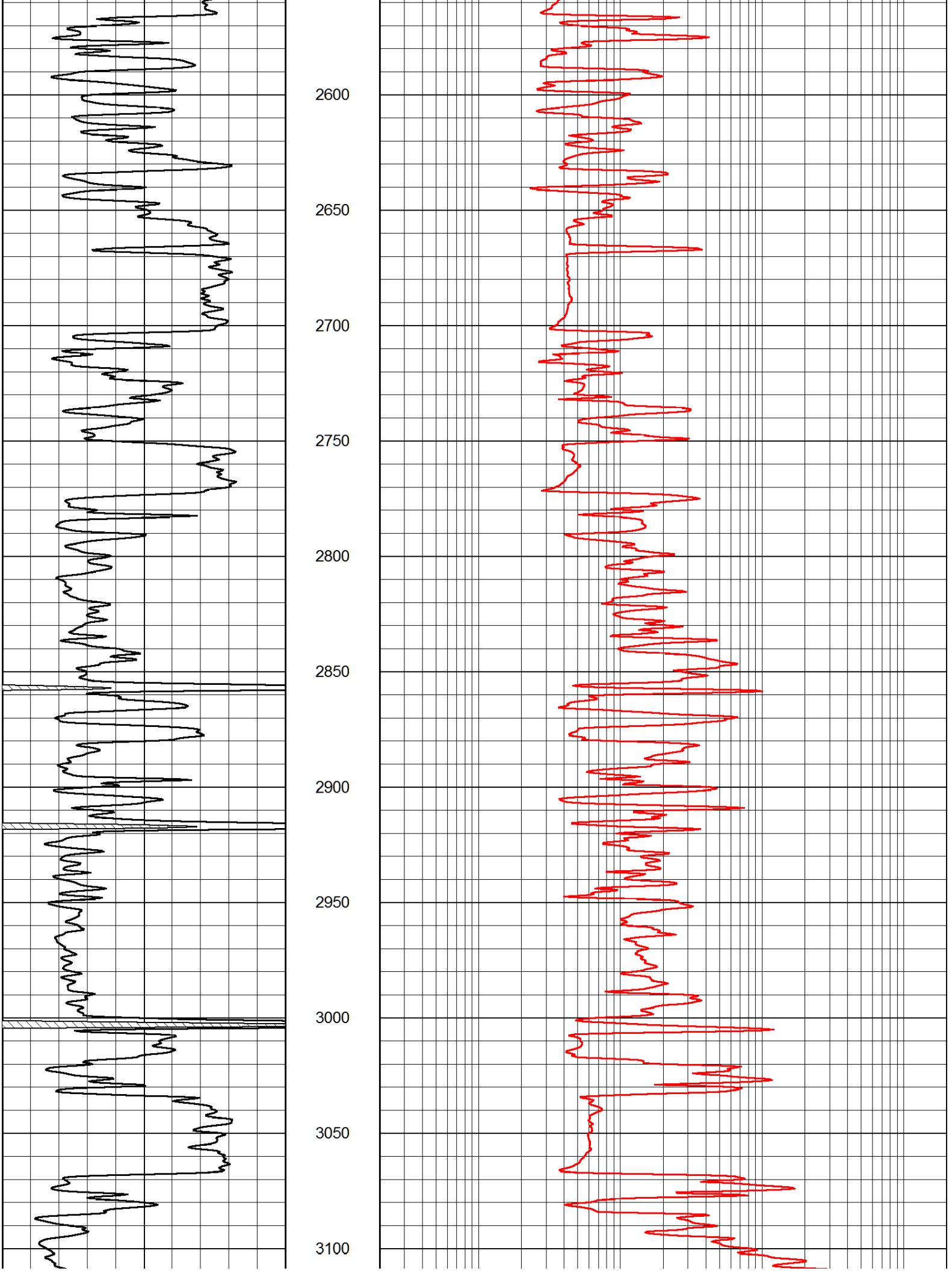
Database File:	bear_hd.db
Dataset Pathname:	rag/brmain
Presentation Format:	rag2in
Dataset Creation:	Fri Dec 07 22:52:13 2012
Charted by:	Depth in Feet scaled 1:600

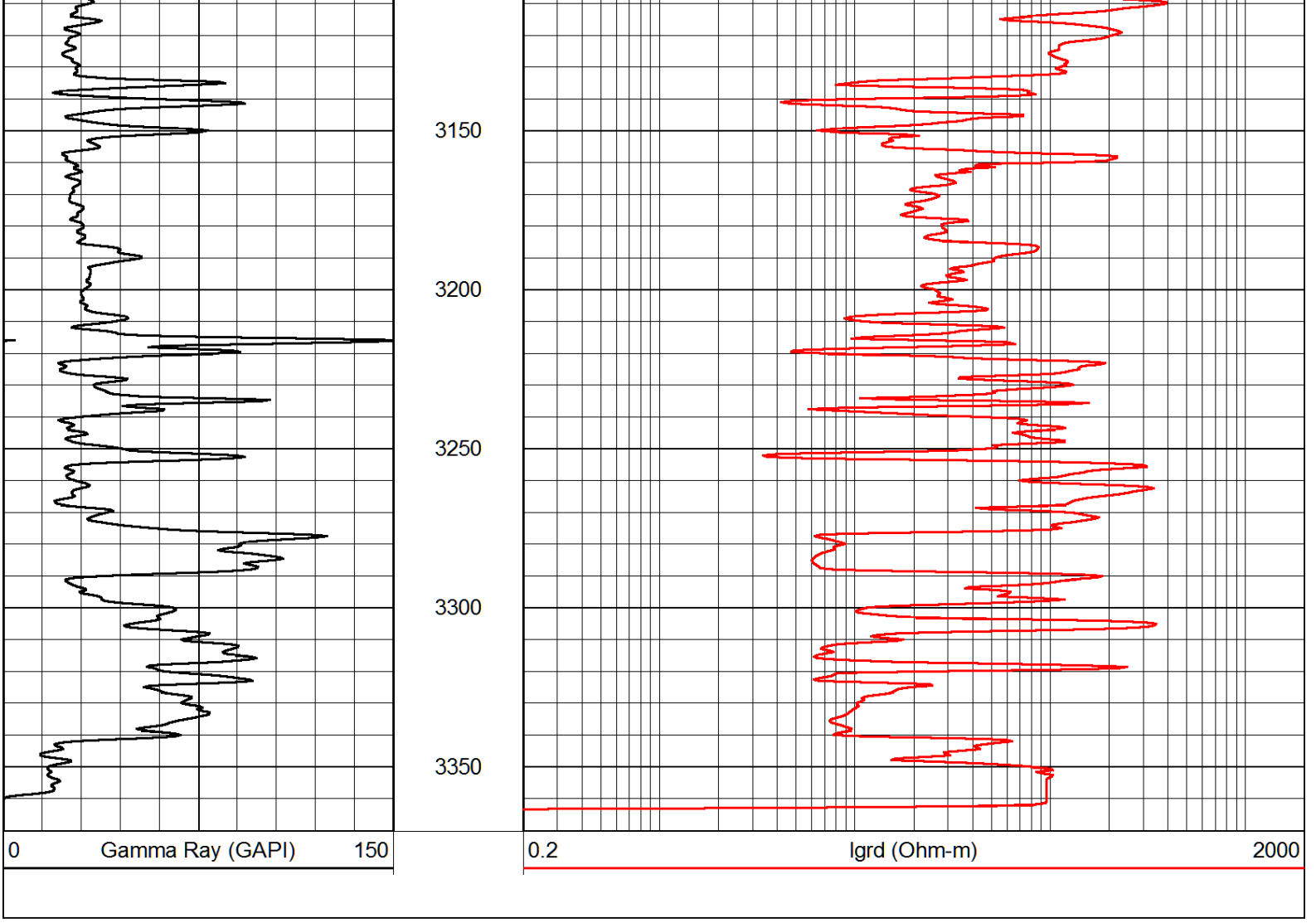

0
Gamma Ray (GAPI)
150
0.2
lgrd (Ohm-m)
2000
400
450
500
550
600
650
700
750
800
850
900


950
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450

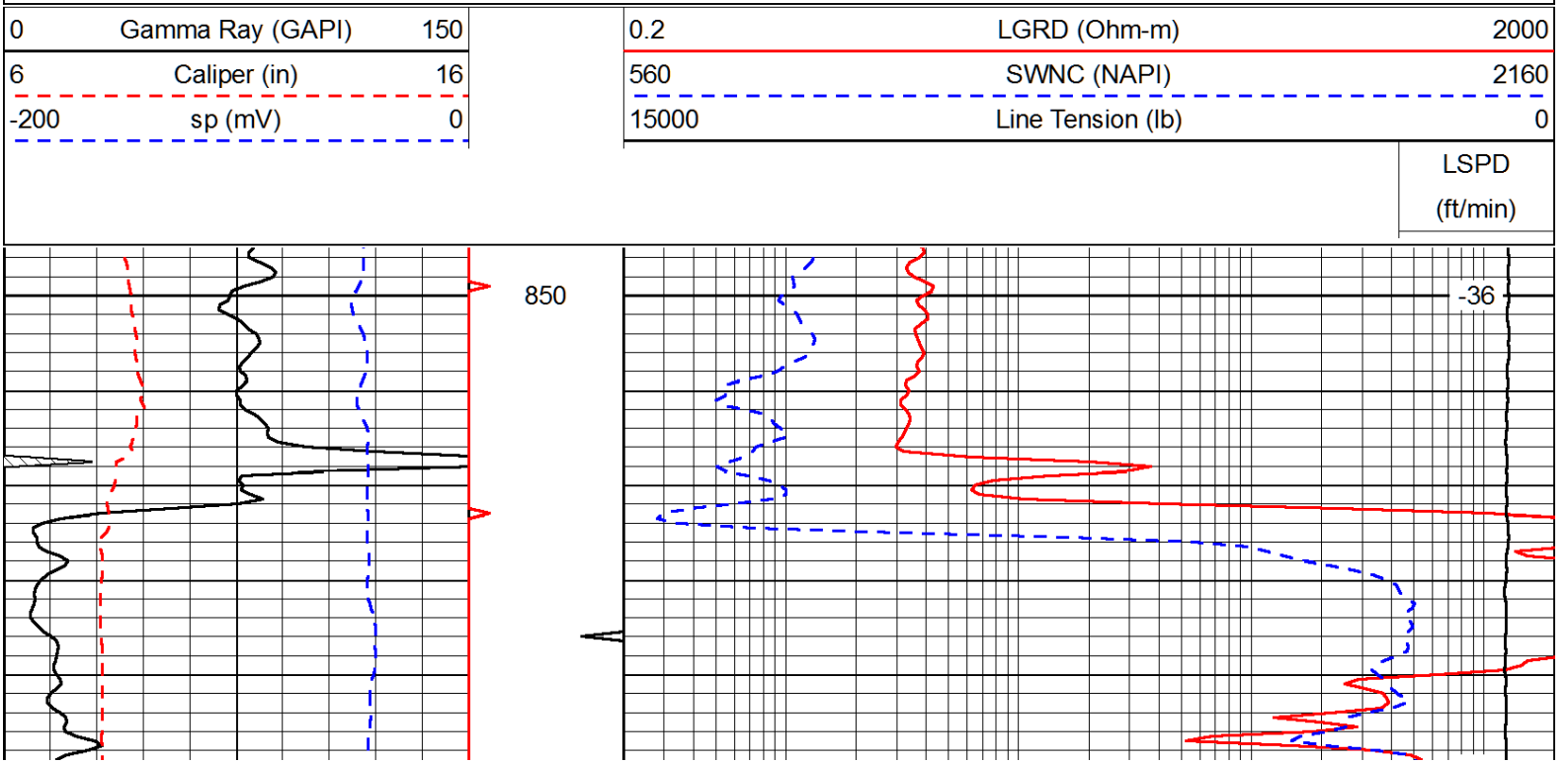

1500
1550
1600
1650
1700
1750
1800
1850
1900
1950
2000

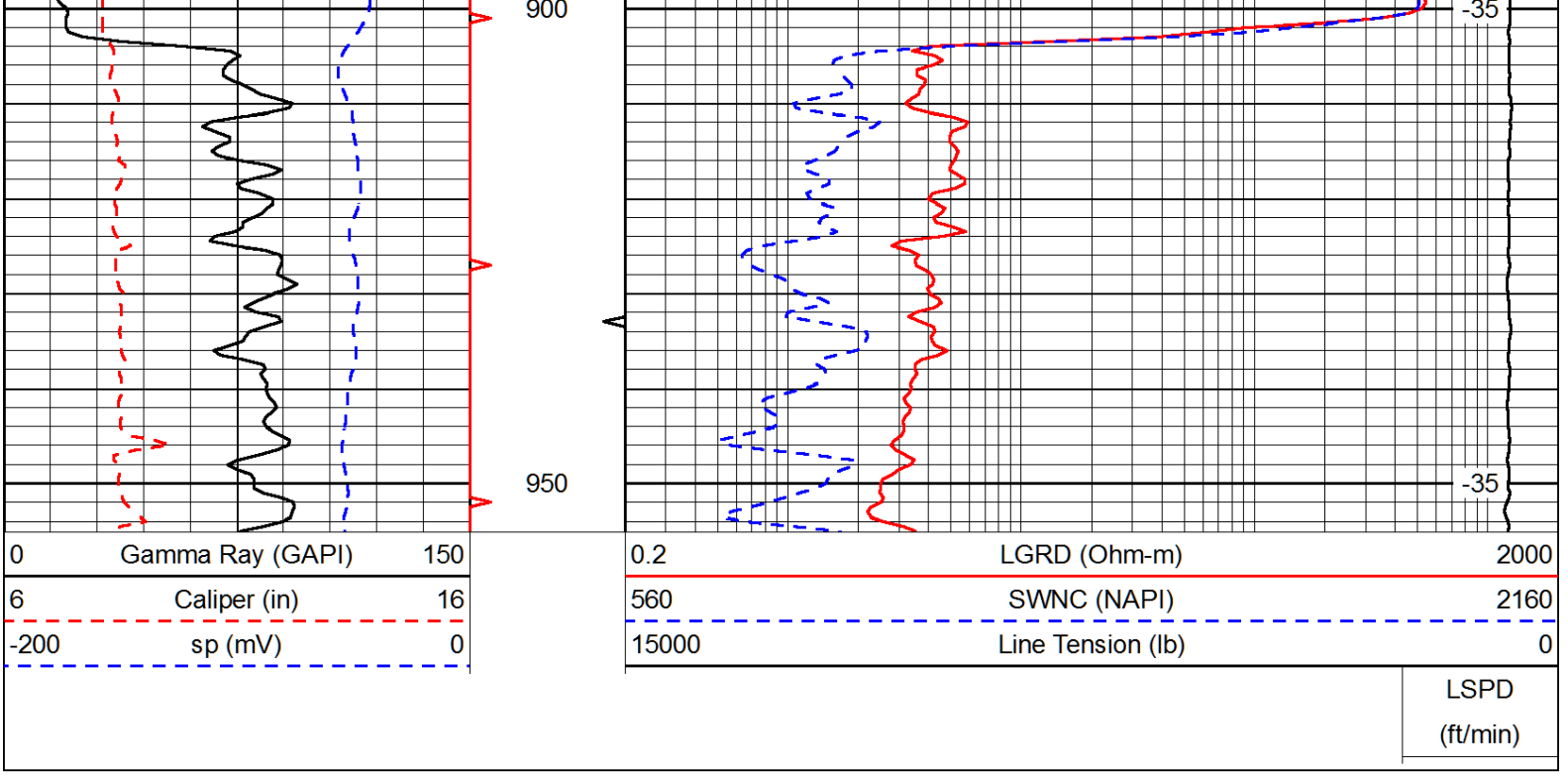

2050
2100
2150
2200
2250
2300
2350
2400
2450
2500
2550


2600
2650
2700
2750
2800
2850
2900
2950
3000
3050
3100



Database File:	bear_hd.db
Dataset Pathname:	rag/brmain
Presentation Format:	rag
Dataset Creation:	Fri Dec 07 22:52:13 2012
Charted by:	Depth in Feet scaled 1:240





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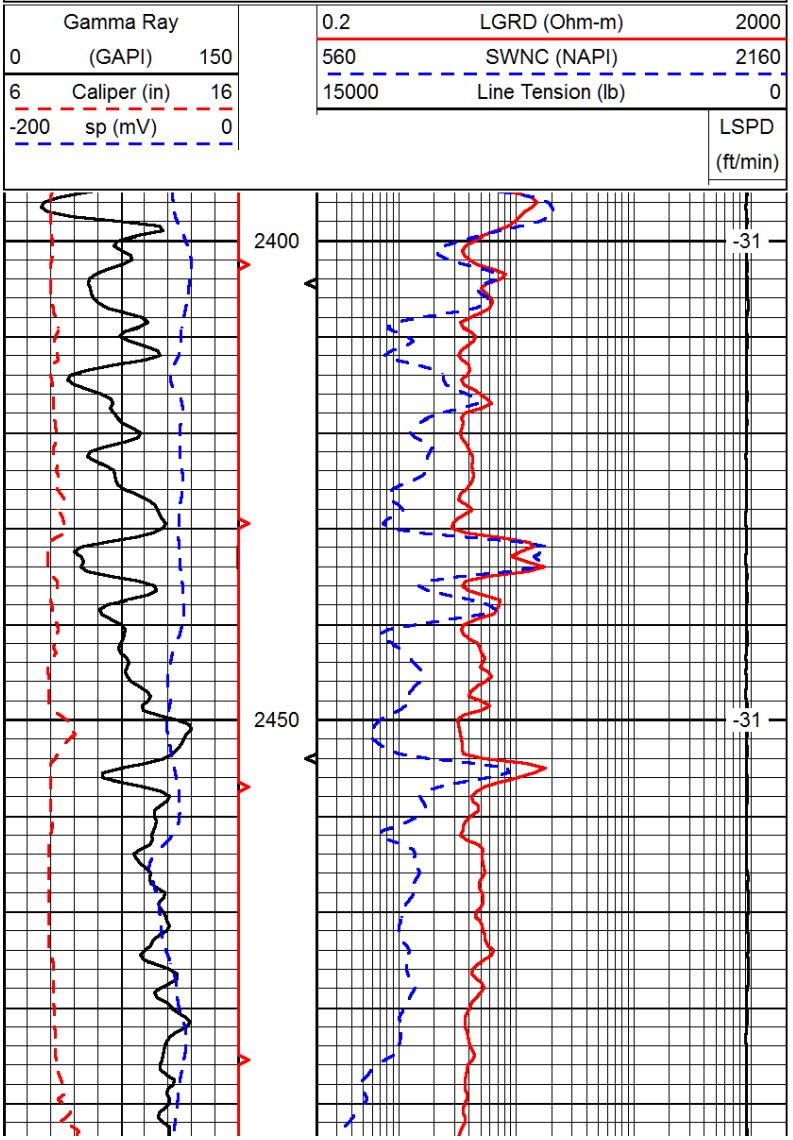
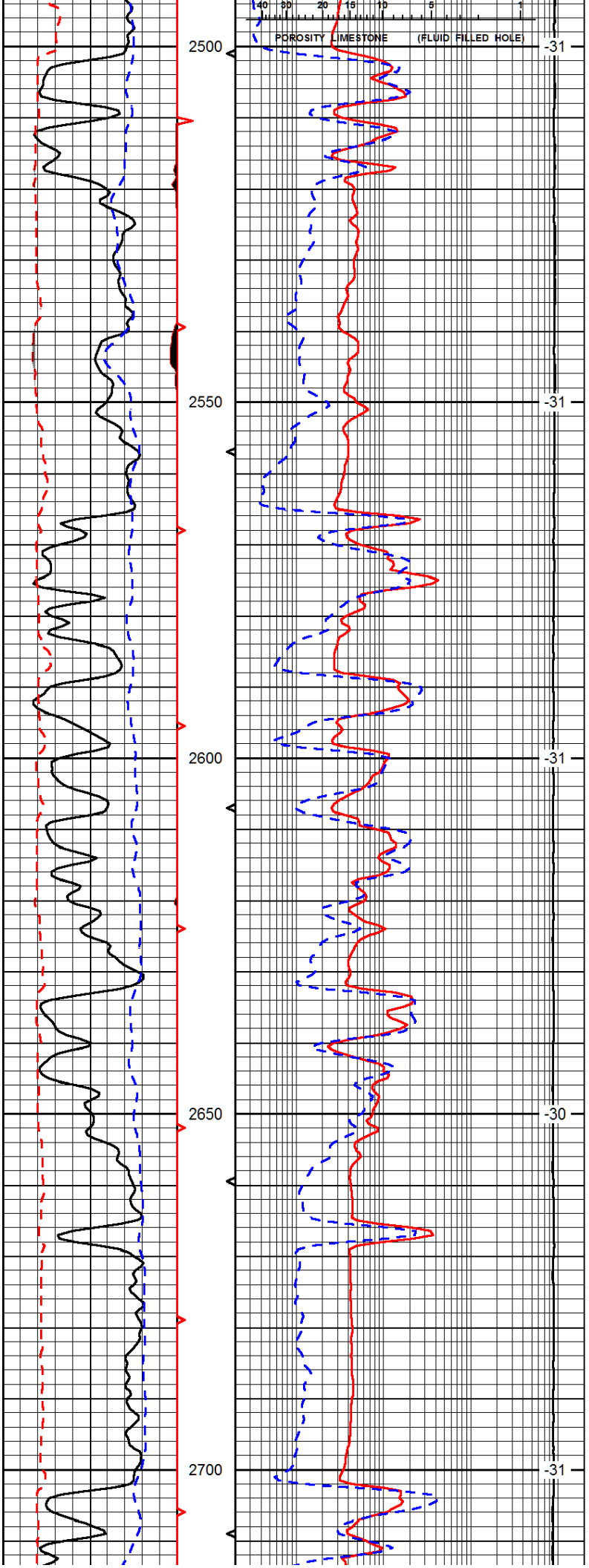
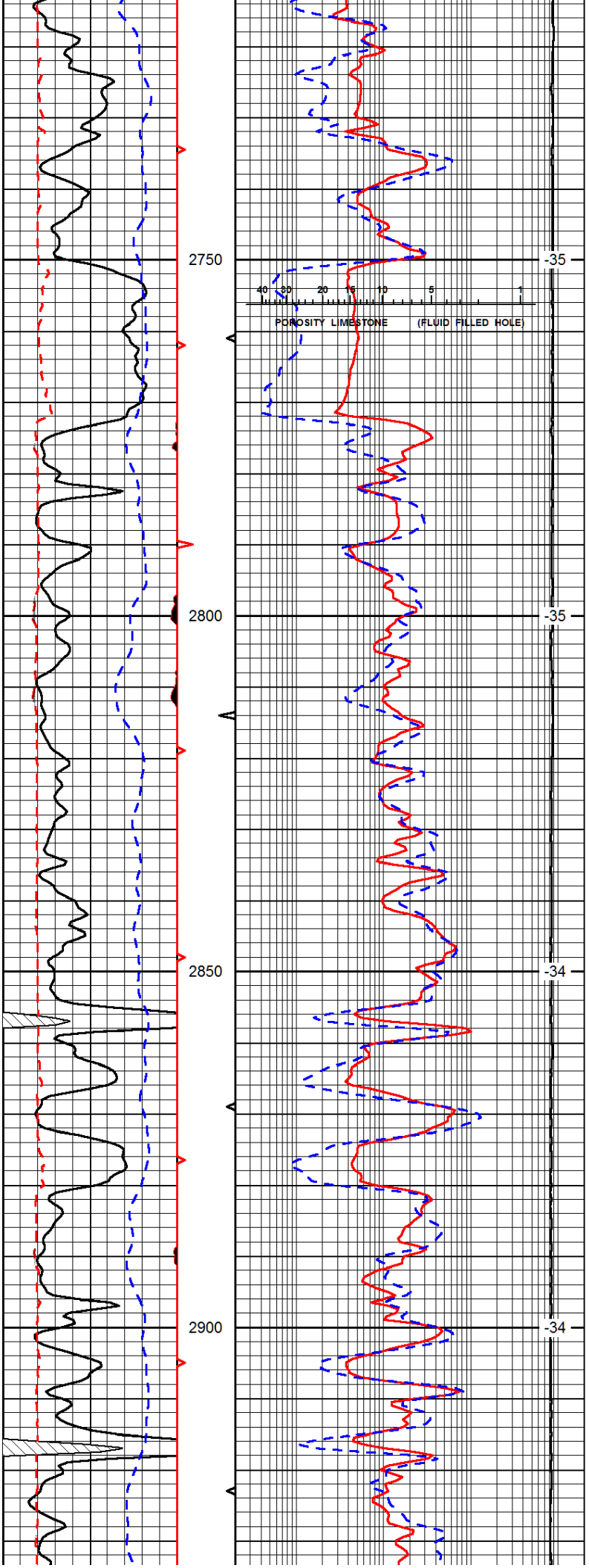
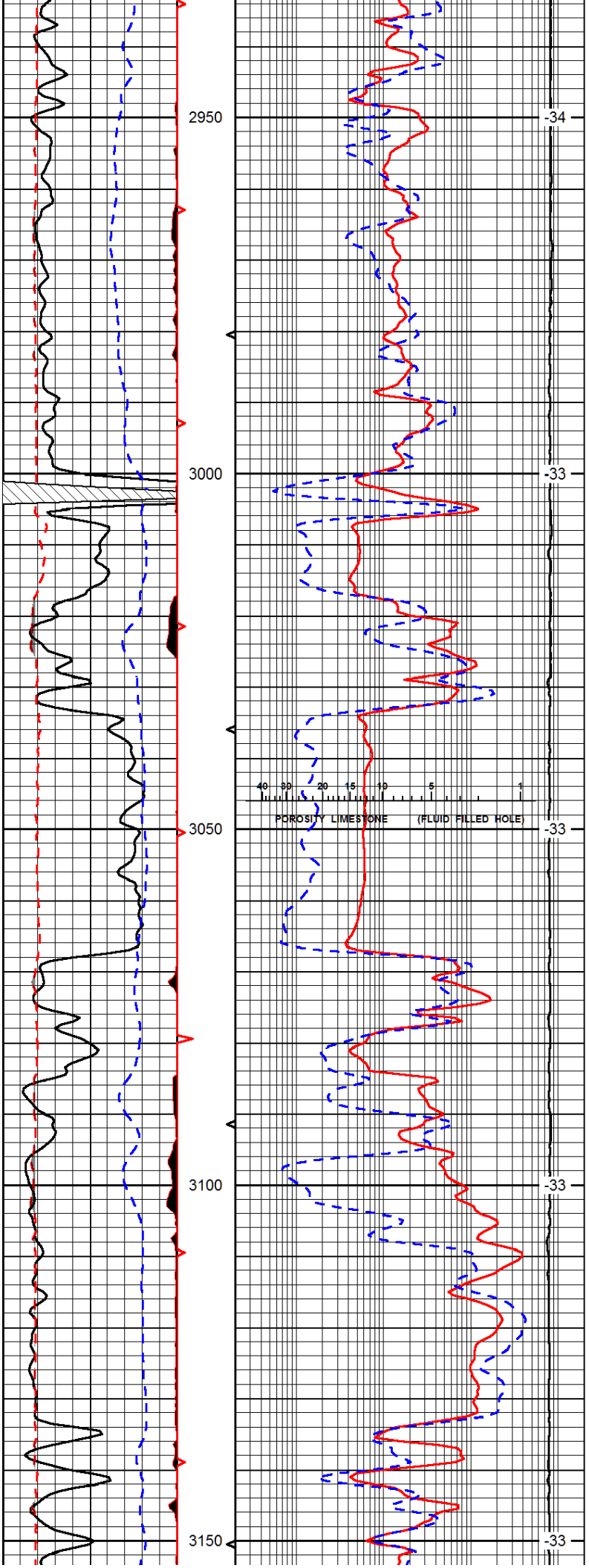
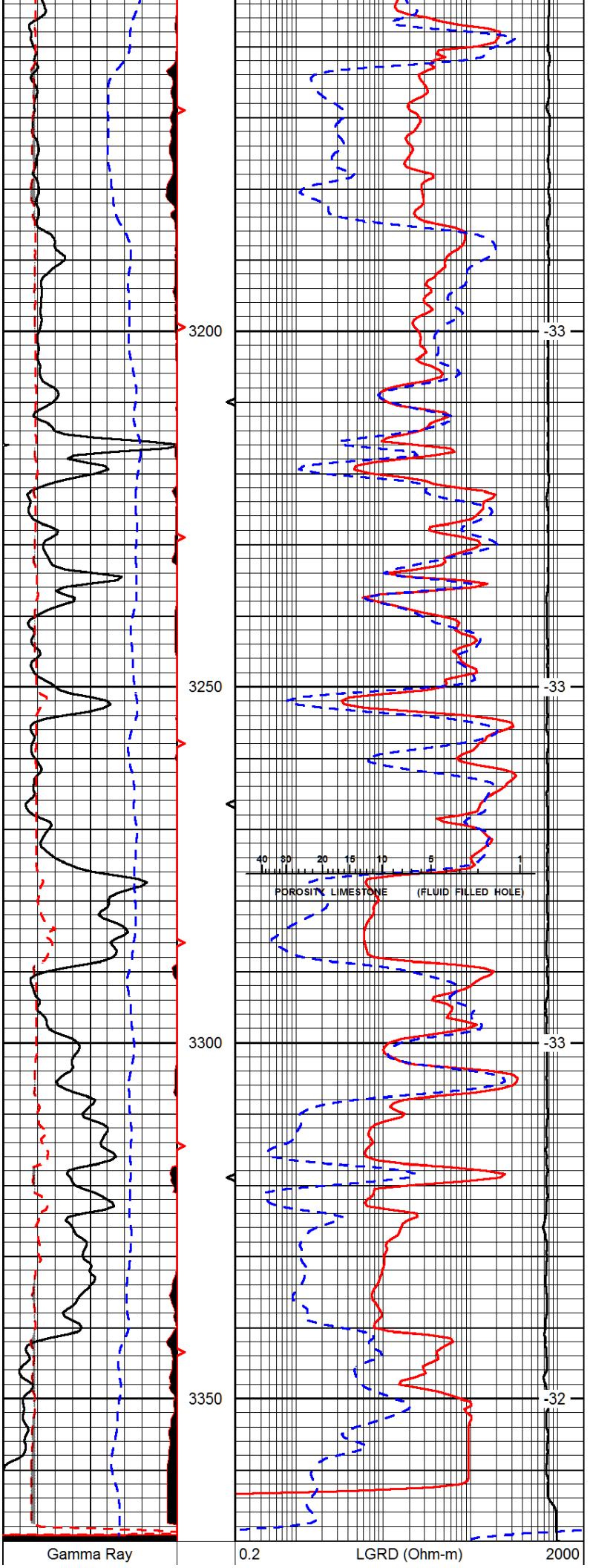



40
30
20
15
10
5
1
POROSITY LIMESTONE
(FLUID FILLED HOLE)
2500
2550
2600
2650
2700
-31
-31
-31
-30
-31


2750
2800
2850
2900
-35
-35
-34
-34
40
30
20
15
10
5
1
POROSITY LIMESTONE
(FLUID FILLED HOLE)


2950
3000
3050
3100
3150
-34
-33
-33
-33
-33
40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)


3200
3250
3300
3350
-33
-33
-33
-32
40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)
Gamma Ray
0.2
LGRD (Ohm-m)
2000

0	(GAPI)	150
6	Caliper (in)	16
-200	sp (mV)	0

560	SWNC (NAPI)	2160
15000	Line Tension (lb)	0

LSPD
(ft/min)