LOG-TECH

DIGITAL LOG (785) 625-3858

API No. 15-141-20,437-00-00

Microresistivity Log

Company Bruce Oil Company, LLC

Well Thibault No.2

Field Kill Creek

County Osborne State Kansas

Location SW NE NE
990' FNL & 990' FEL
Sec: 22 Twp: 8s Rge: 14W

Permanent Datum Ground Level Elevation 1896
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
CNL/CDL
DIL

Elevation
K.B. 1901
D.F.
G.L. 1896

Date	10/7/2011			
Run Number	Two			
Depth Driller	3208			
Depth Logger	3207			
Bottom Logged Interval	3206			
Top Log Interval	2500			
Casing Driller	8.625 @ 853			
Casing Logger	853			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	3,400			
Density / Viscosity	9.0 60			
pH / Fluid Loss	9.5 9.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	.55 @ 66			
Rmf @ Meas. Temp	.41 @ 66			
Rmc @ Meas. Temp	.74 @ 66			
Source of Rmf / Rmc	Charts			
Rm @ BHT	.34 @ 108			
Operating Rig Time	3 1/2 Hours			
Max Rec. Temp. F	108			
Equipment Number	17			
Location	Hays			
Recorded By	C. Desaire			
Witnessed By	Bob Petersen			

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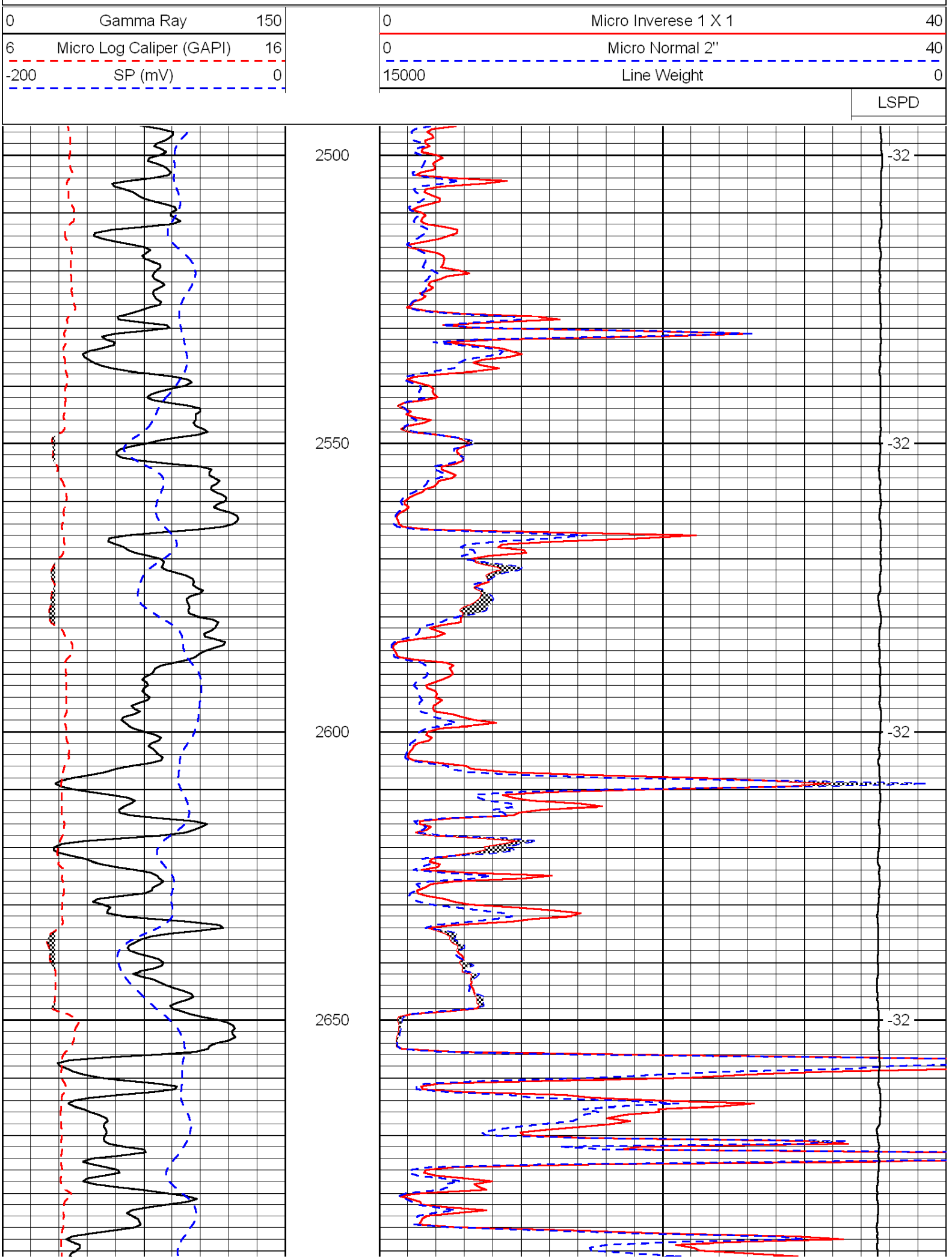
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

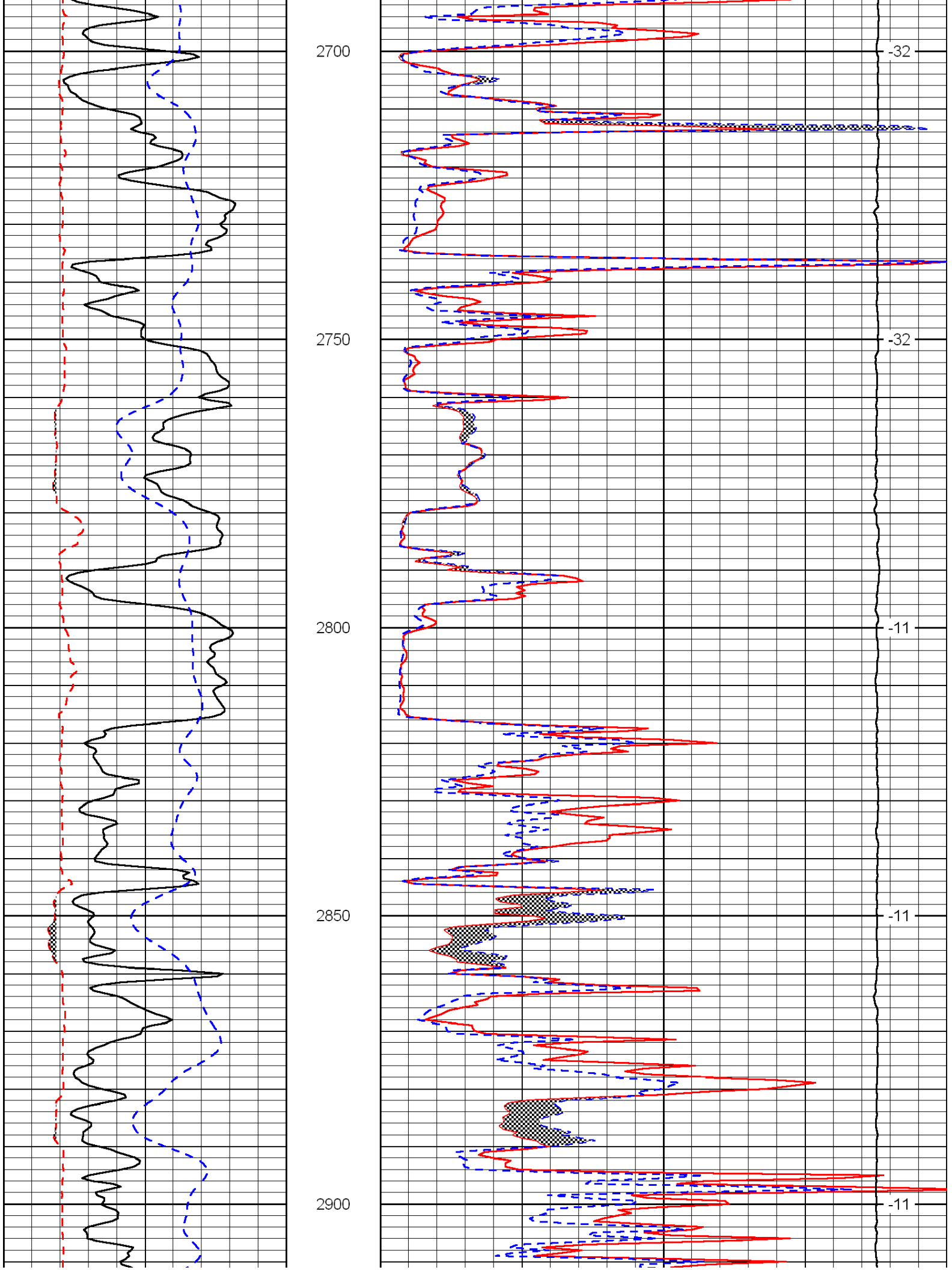
Comments

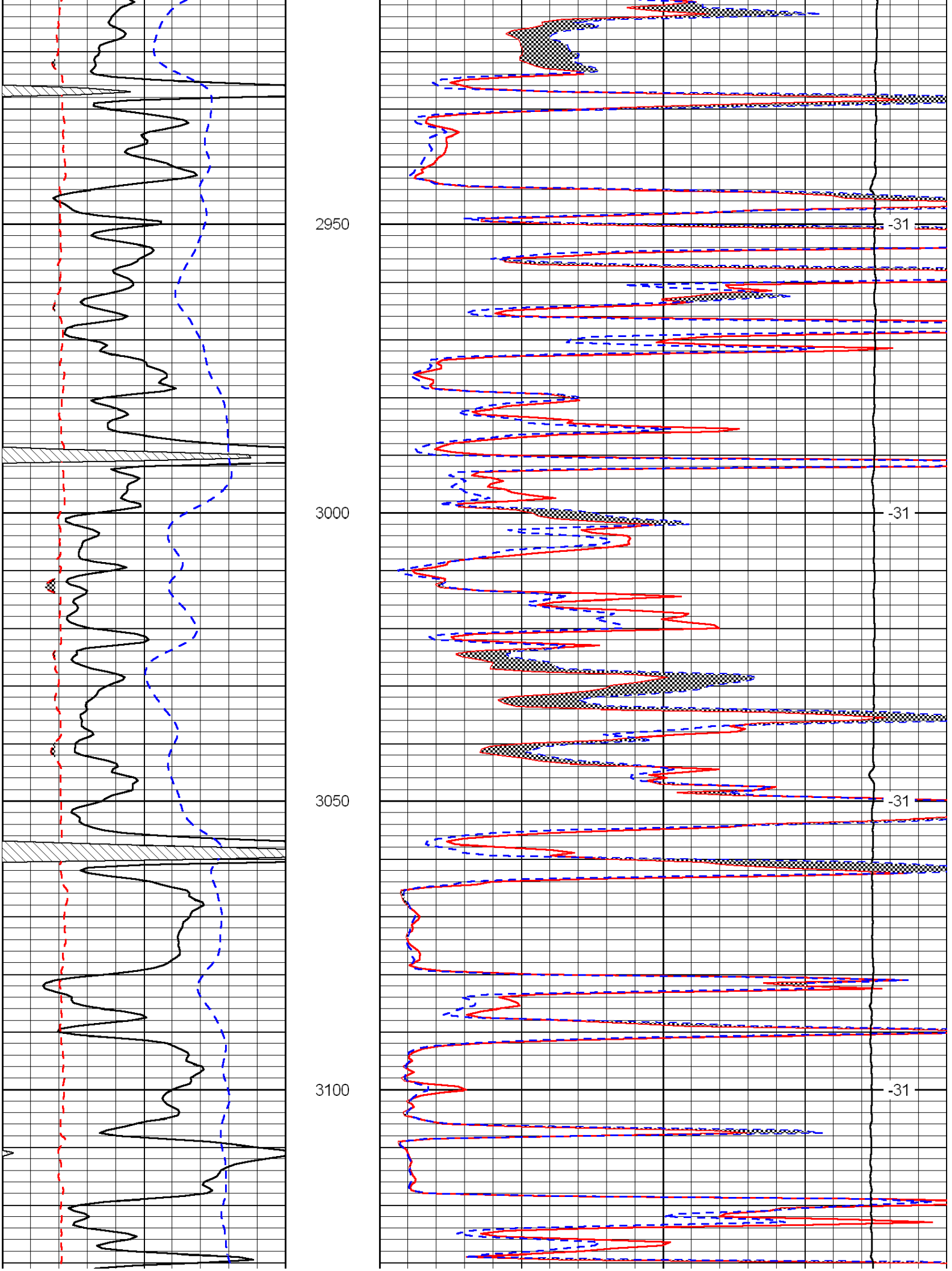
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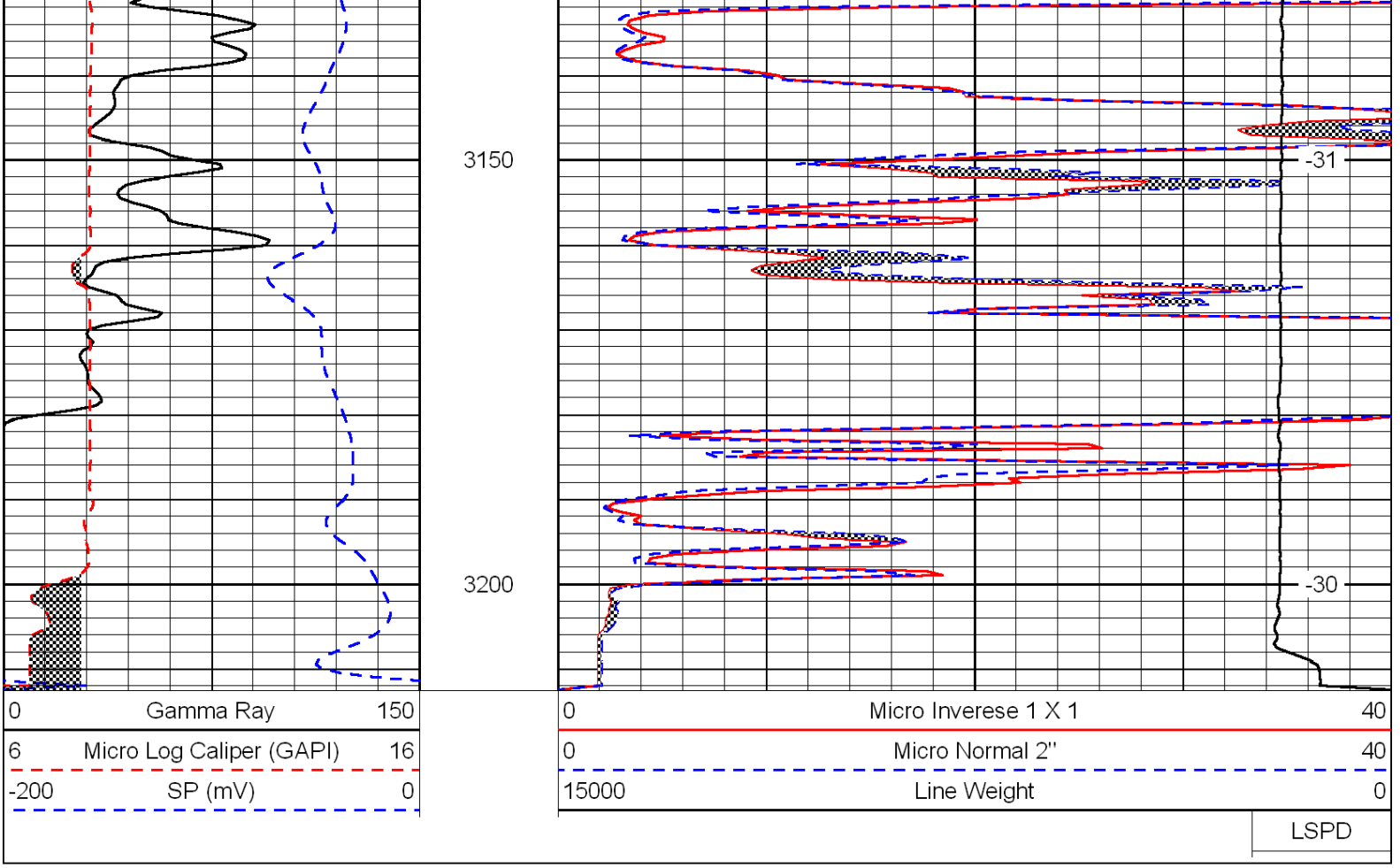
Natoma KS, N on 290th to Stop Sign, E to 250th,
N to T Intersection, E to 200th, N to Dead End, 1/8 S(Stay Right)
S Into

Database File:	c:\warrior\data\bruce oil_thibault no.2\brucehd.db
Dataset Pathname:	dil/brucstk2
Presentation Format:	micro
Dataset Creation:	Fri Oct 07 23:24:48 2011
Charted by:	Depth in Feet scaled 1:240


0 Gamma Ray 150
6 Micro Log Caliper (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD
2500
2550
2600
2650
-32
-32
-32
-32


2700
2750
2800
2850
2900
-32
-32
-11
-11
-11


2950
3000
3050
3100
-31
-31
-31
-31


3150
3200
-31
-30
0
Gamma Ray
150
6
Micro Log Caliper (GAPI)
16
-200
SP (mV)
0
0
Micro Inverese 1 X 1
40
0
Micro Normal 2"
40
15000
Line Weight
0
LSPD