PIONEER

Pioneer Energy Services

Microresistivity Log

Company	H&C Oil Operating, Inc.
Well	North Fork Farms #36-1
Field	Shaw Creek Southeast
County	Trego State Kansas
API No.	15-195-22,971-00-00
Location	1320' FSL & 500' FEL
Sec: 36	Twp: 11S Rge: 22W
Permanent Datum	Ground Level Elevation 2364
Log Measured From	Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing

Other Services
CNL/CDL
DIL/BHCS

Elevation
K.B. 2372
D.F.
G.L. 2364

Date	11/16/2014		
Run Number	Two		
Depth Driller	4154		
Depth Logger	4154		
Bottom Logged Interval	4153		
Top Log Interval	3300		
Casing Driller	8.625 @ 223		
Casing Logger	222		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	4000		
Density / Viscosity	9.3 | 46		
pH / Fluid Loss	9.5 | 8.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.85 @ 38		
Rmf @ Meas. Temp	0.64 @ 38		
Rmc @ Meas. Temp	1.15 @ 38		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.27 @ 118		
Operating Rig Time	4 1/2 Hours		
Max Rec. Temp. F	118		
Equipment Number	15		
Location	Hays		
Recorded By	D.Kerr		
Witnessed By	Al Downing		

<<< Fold Here >>>

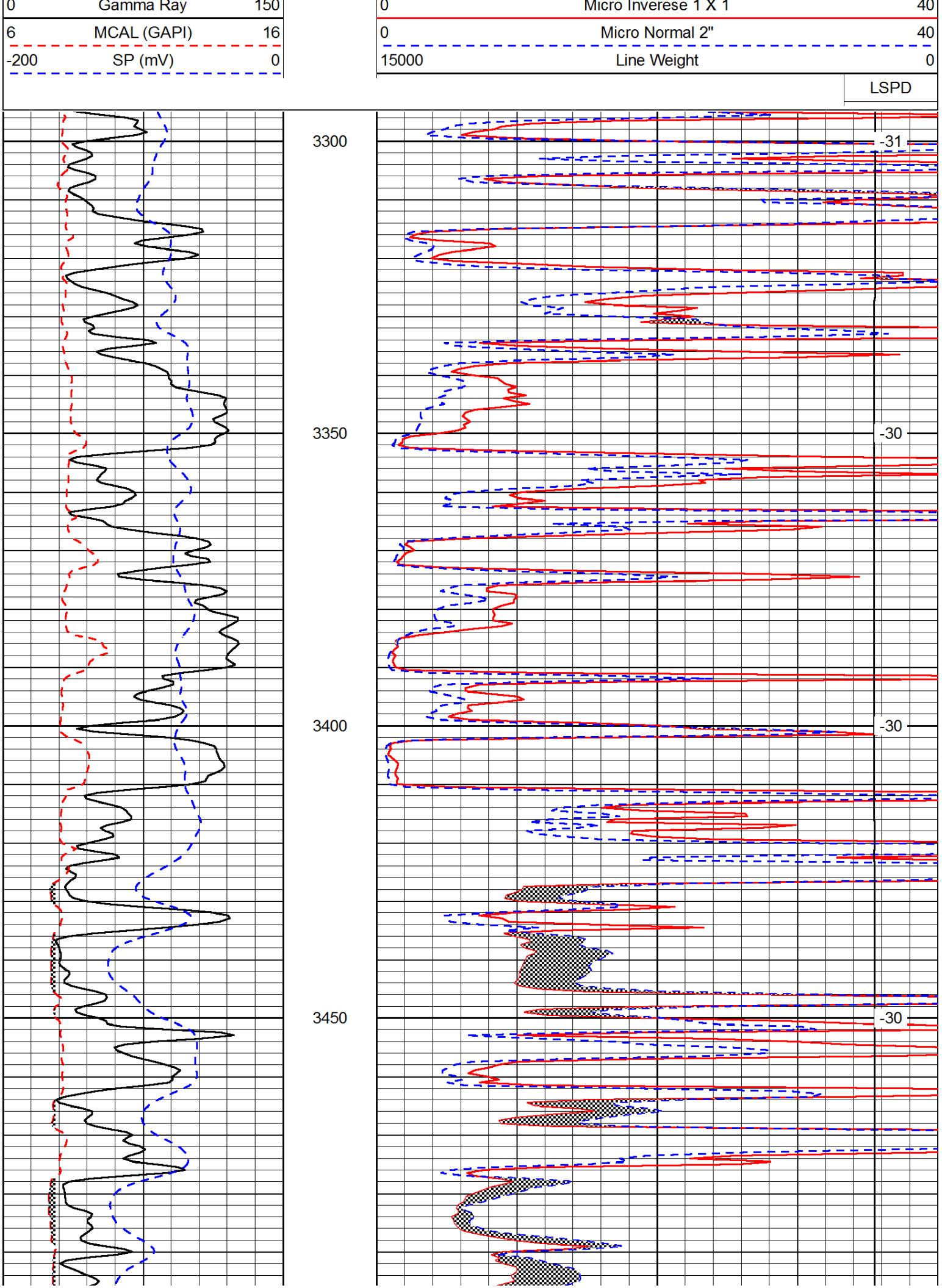
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

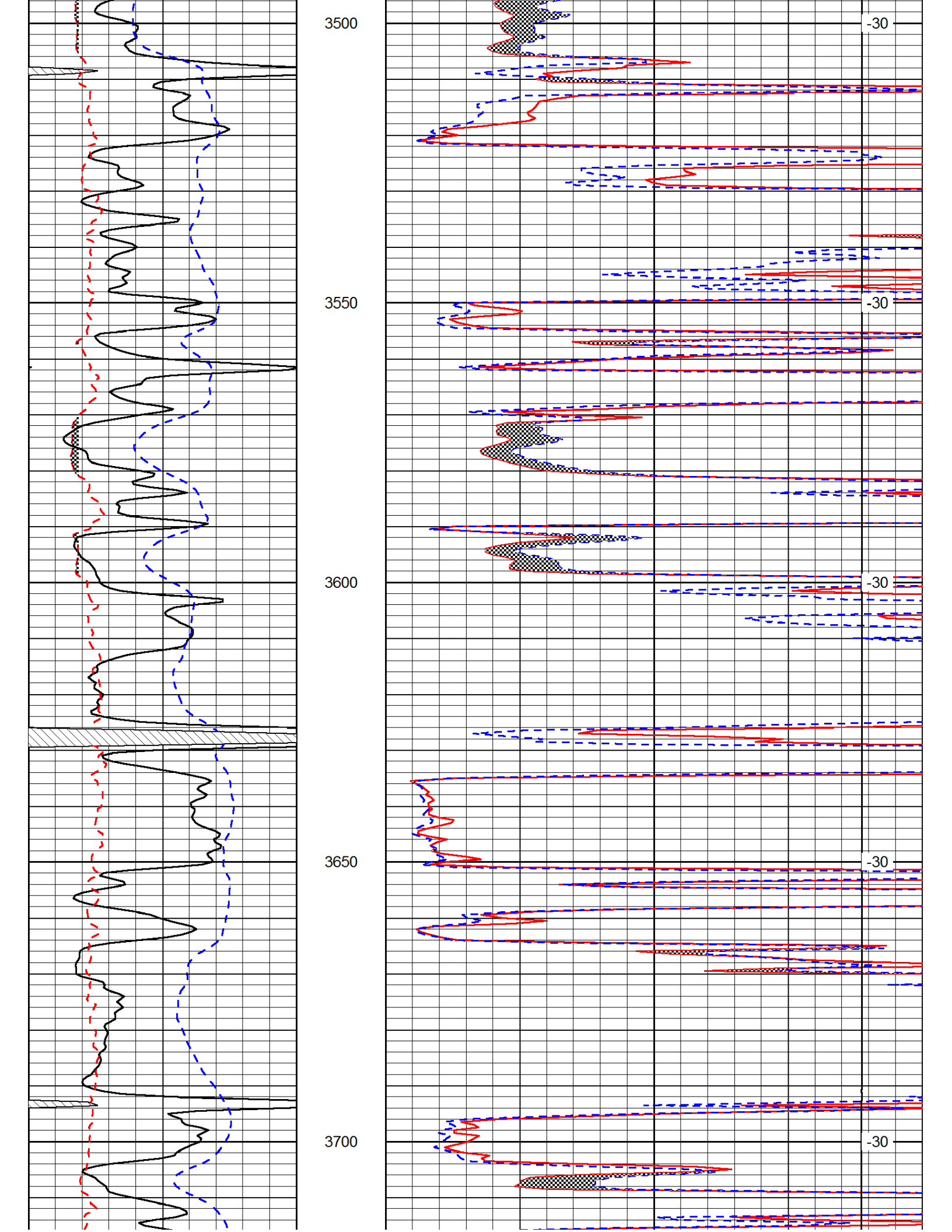
Comments

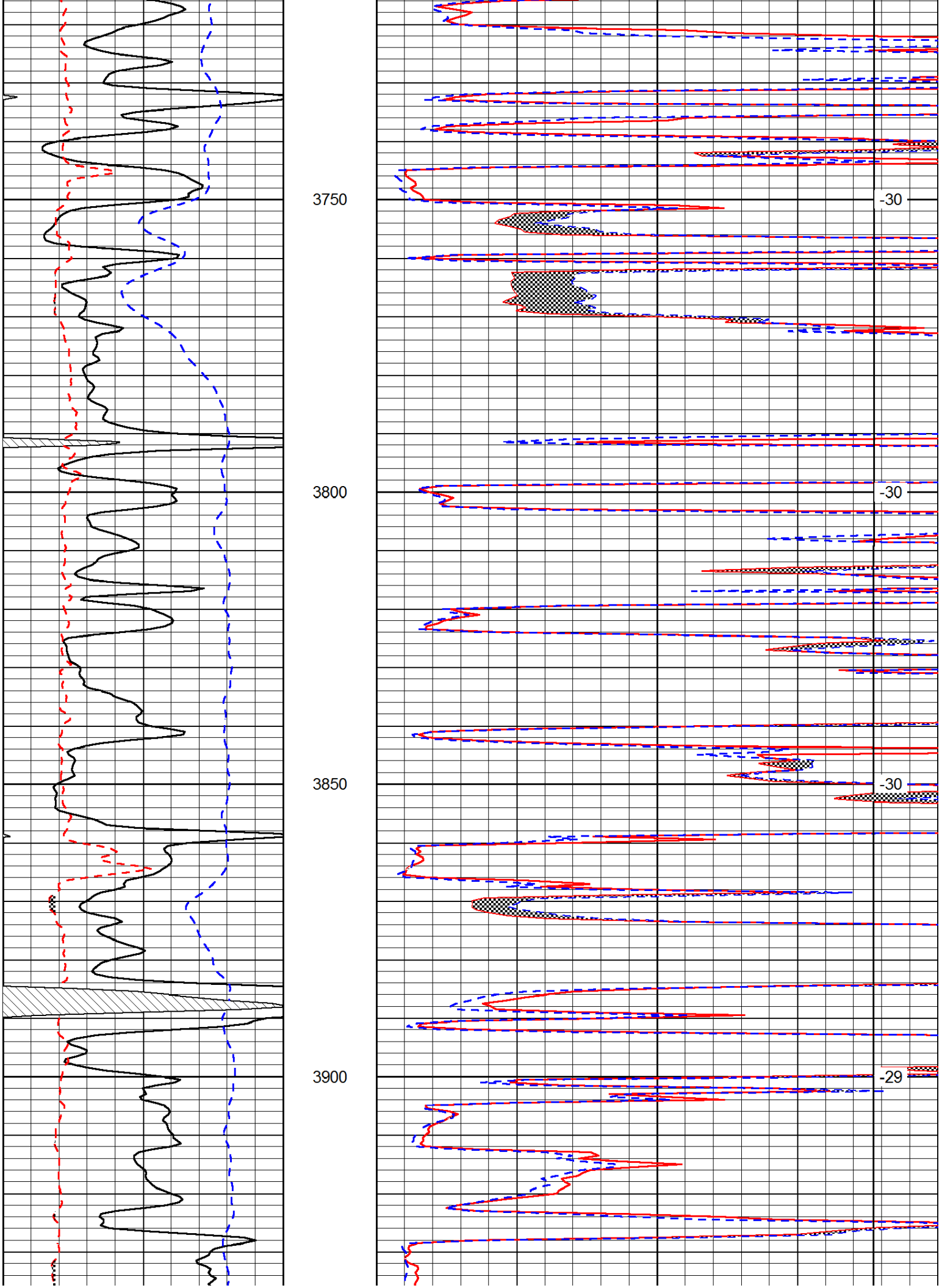
Thank you for using Pioneer Energy Services
www.pioneeres.com
785 625 3858

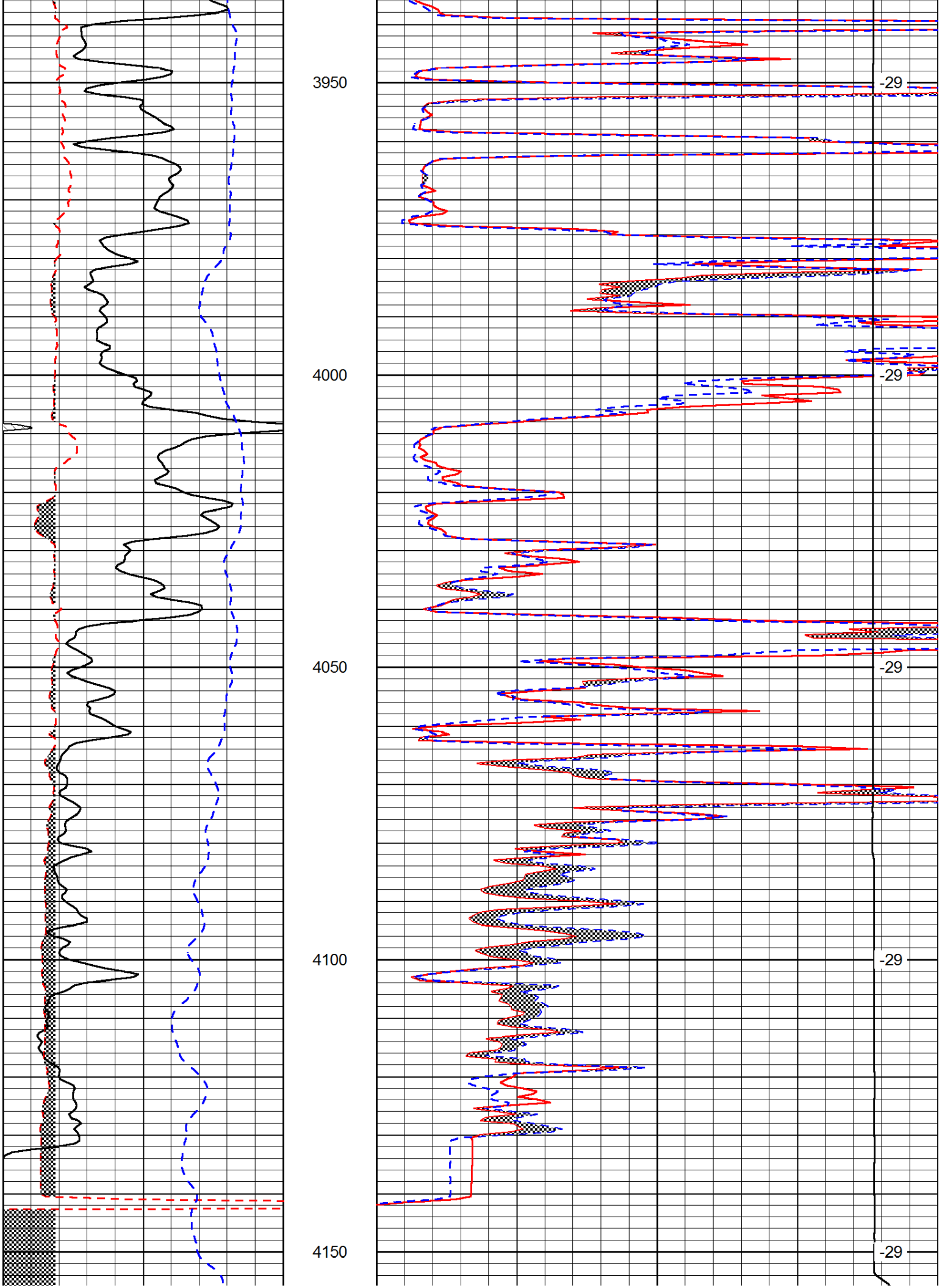
I-70 and Riga RD Exit, North to H RD,
West to 350 RD, 1 North, 1/8 West, North Into

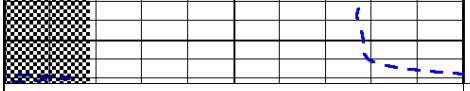
Database File:	c:\warrior\data\h&c_north fork farms #36-1\h&c_northforkfarms_36_1hd.db
Dataset Pathname:	DIL/hcstk
Presentation Format:	micro
Dataset Creation:	Sun Nov 16 03:39:25 2014
Charted by:	Depth in Feet scaled 1:240


0 Gamma Ray 150
6 MCAL (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD
3300
3350
3400
3450
-31
-30
-30
-30

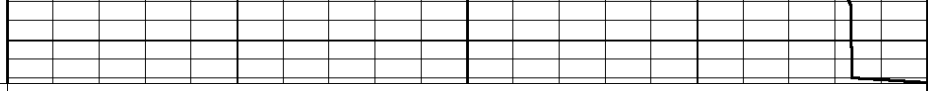

3500
3550
3600
3650
3700
-30
-30
-30
-30


3750
3800
3850
3900
-30
-30
-30
-29


3950
4000
4050
4100
4150
-29
-29
-29
-29



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



0	Micro Inverese 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD