



Pioneer Energy Services

Microresistivity Log

API No.	Company K-Bar Oil		
	Well Joanie #4		
	Field Chase-Silica		
	County Barton	State	Kansas
	Location	405' FNL' & 1091' FWL	
	Sec: 3	Twp: 20S	Rge: 11W
Permanent Datum	Ground Level	Elevation 1774	Other Services CNL/CDL DIL/BHCS
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum	K.B. 1779 D.F. 1774 G.L. 1774
Drilling Measured From	Kelly Bushing		
Date	4/6/2014		
Run Number	Two		
Depth Driller	3390		
Depth Logger	3388		
Bottom Logged Interval	3387		
Top Log Interval	2550		
Casing Driller	8.625 @ 373		
Casing Logger	369		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	3000		
Density / Viscosity	9.1 47		
pH / Fluid Loss	10.0 9.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	0.30 @ 52		
Rmf @ Meas. Temp	0.23 @ 52		
Rmc @ Meas. Temp	0.41 @ 52		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.14 @ 112		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	112		
Equipment Number	91		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Herb Deines		

<<< Fold Here >>>

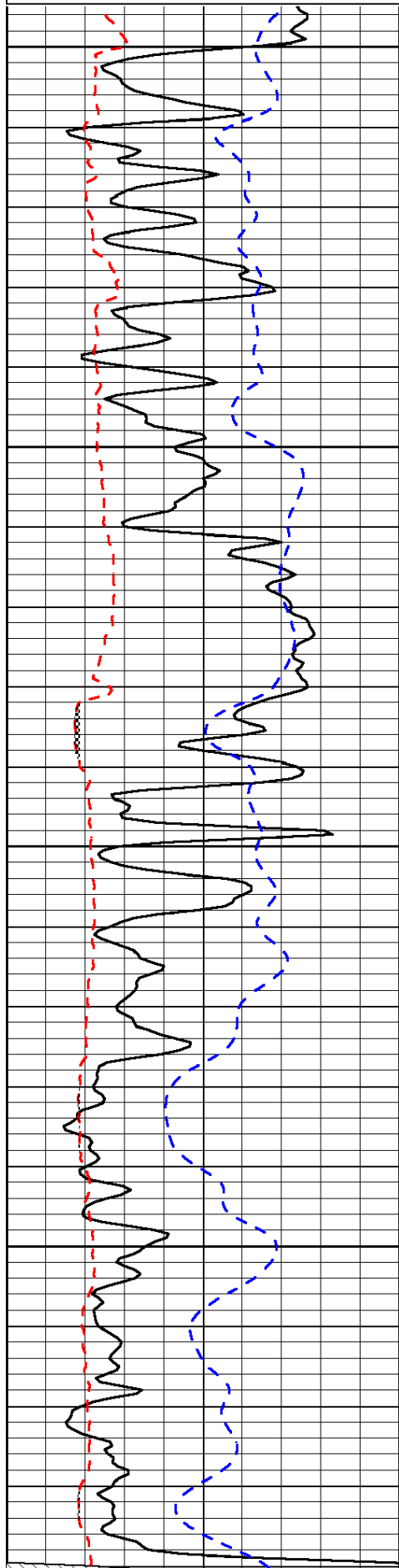
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.pioneerres.com
785 625 3858
Ellinwood,
East to SE 130 Ave, 50 yards South,
East into

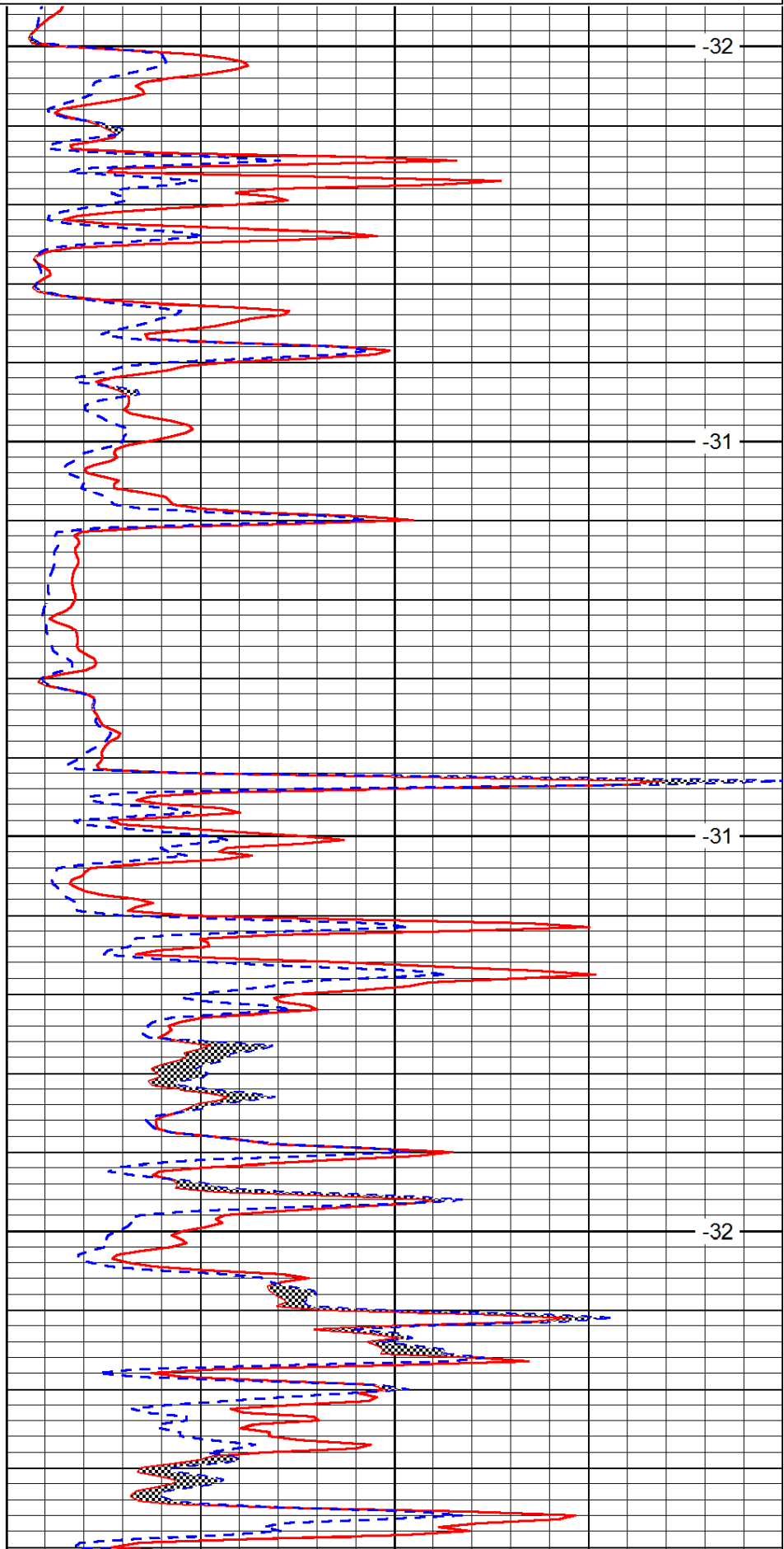
Database File: c:\warrior\data\k-bar oil_joanie #4\kbar_040614hd.db
Dataset Pathname: dil/kstckml
Presentation Format: micro
Dataset Creation: Sun Apr 06 07:48:16 2014
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.10		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



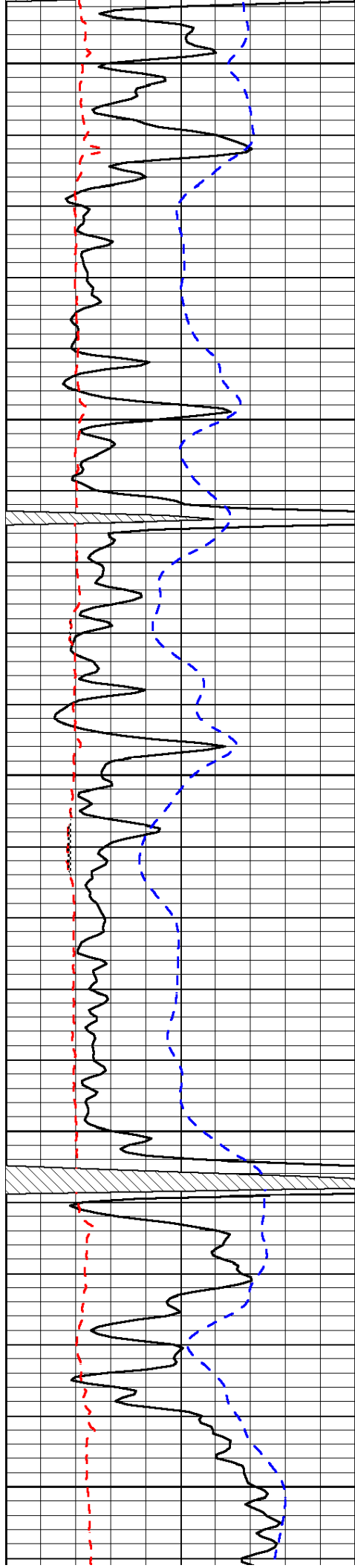
2550
2600
2650
2700

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



LSPD

-32
-31
-31
-32



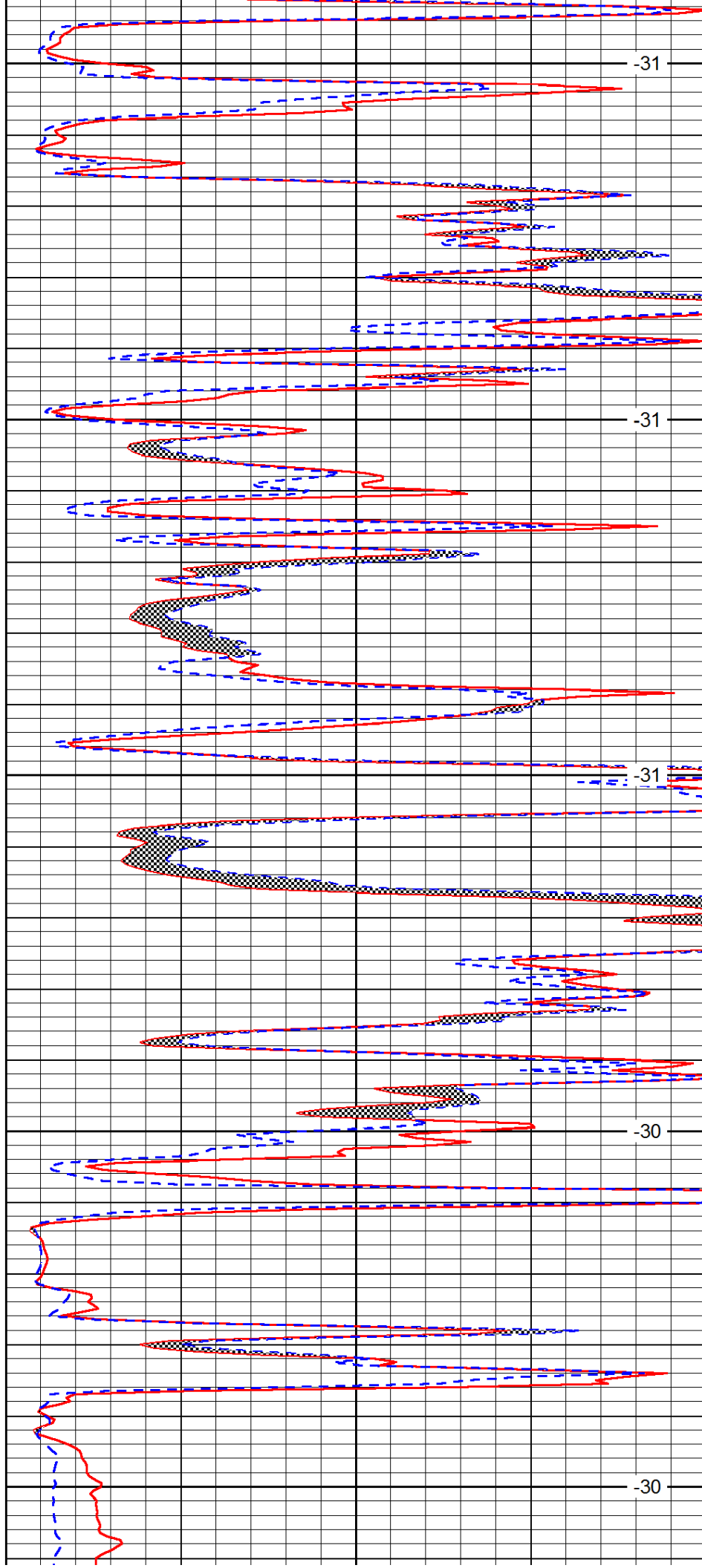
2750

2800

2850

2900

2950



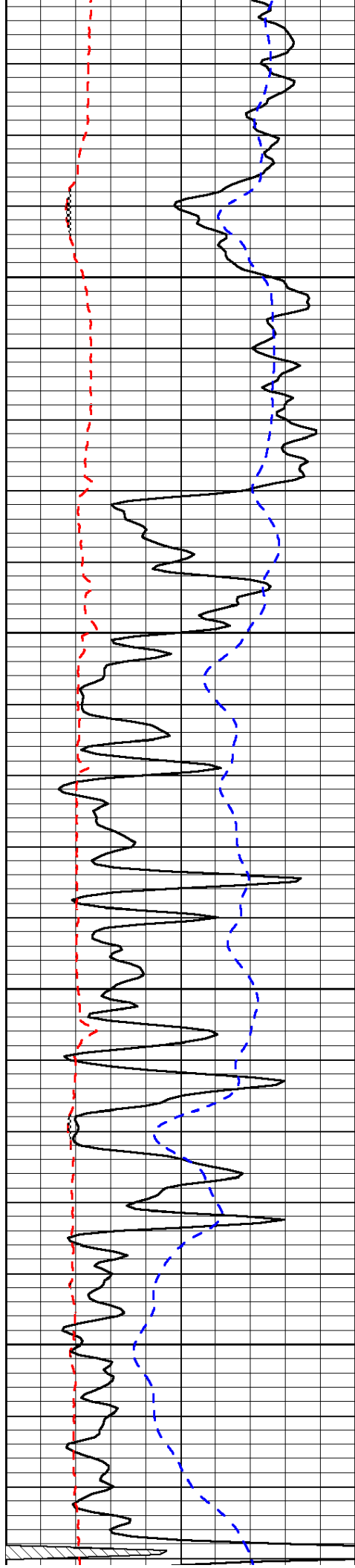
-31

-31

-31

-30

-30

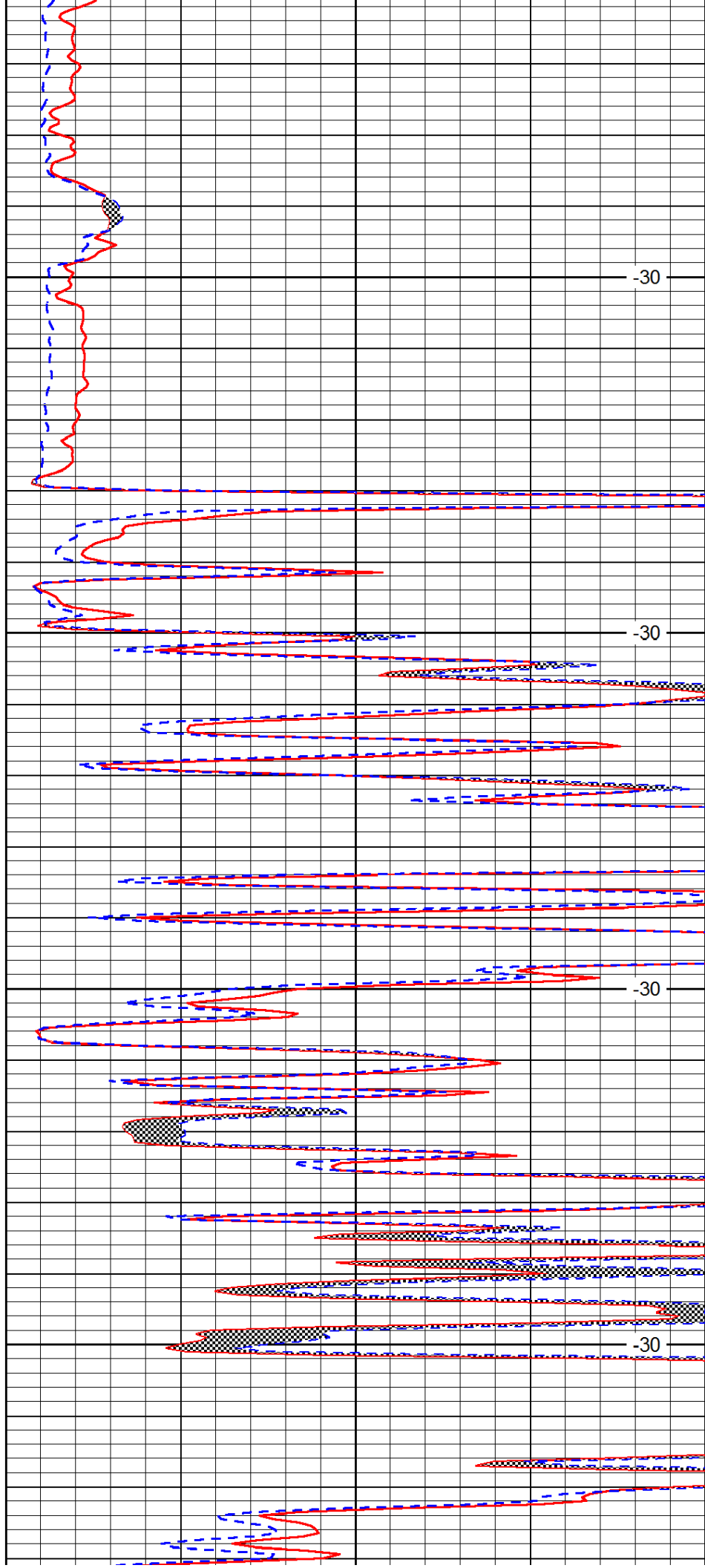


3000

3050

3100

3150

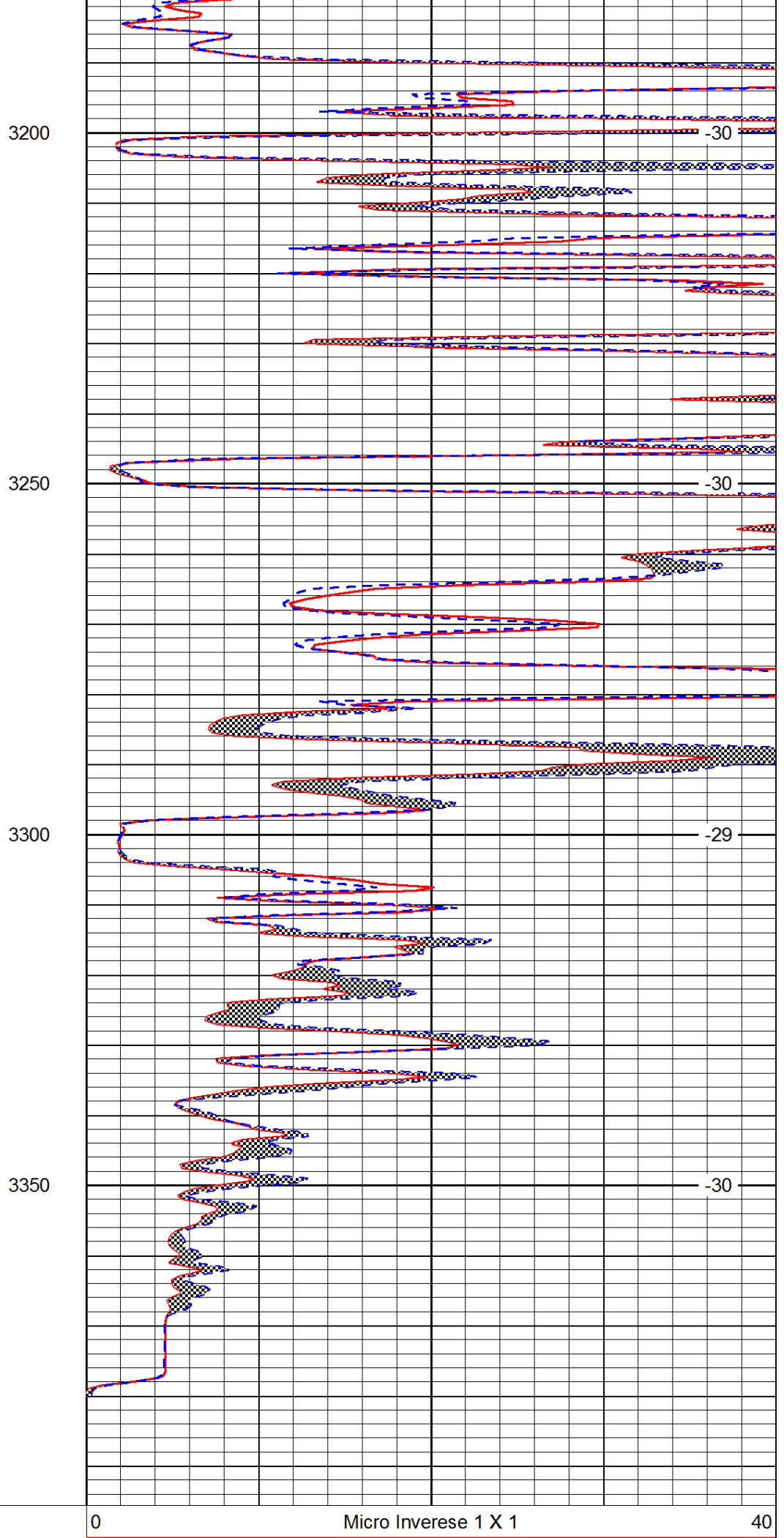
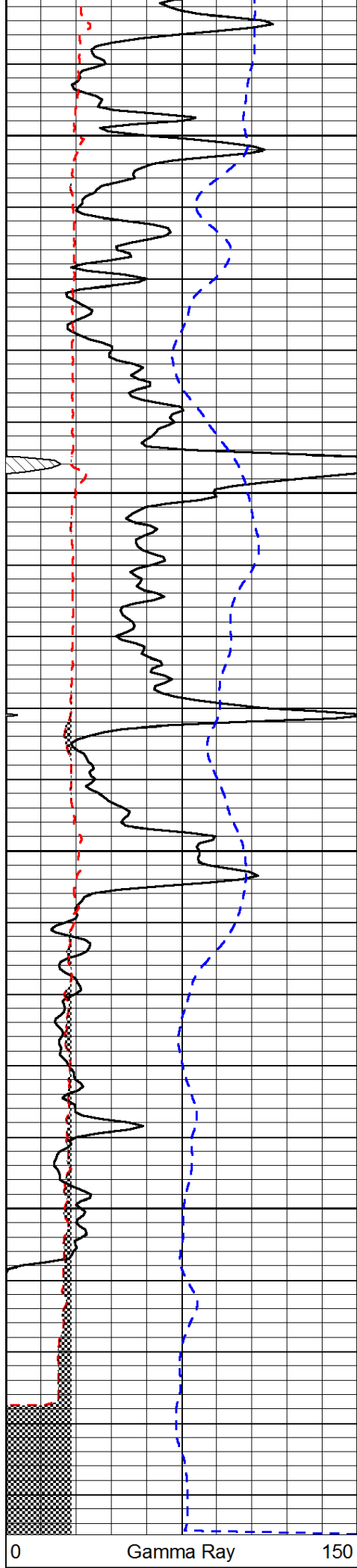


-30

-30

-30

-30



6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0

0	Micro Normal 2"	40
15000	Line Weight	0
		LSPD