



# Microresistivity Log

**DIGITAL LOG** (785) 625-3858

API No.	15-137-20,494-00-00		
Company	Clipper Energy, LLC		
Well	Mulder No 2		
Field	Ray W		
County	Norton	State	Kansas
Location	990' FSL & 1650' FEL		
Sec: 27	Twp: 5 S	Rge: 21 W	
Permanent Datum	Ground Level	Elevation 2199	Other Services CNL/CDL DIL
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	
Drilling Measured From	Frotkelly Bushing		K.B. 2207 D.F. 2199 G.L.

Date	11/6/2008	
Run Number	Two	
Depth Driller	3680	
Depth Logger	3696	
Bottom Logged Interval	3695	
Top Log Interval	3000	
Casing Driller	8.625 @ 220	
Casing Logger	217	
Bit Size	7.785	
Type Fluid in Hole	Chemical	
Salinity, ppm CL	900	
Density / Viscosity	9.3	57
pH / Fluid Loss	11.0	8.0
Source of Sample	Flowline	
Rm @ Meas. Temp	2.10 @	60
Rmf @ Meas. Temp	1.58 @	60
Rmc @ Meas. Temp	2.84 @	60
Source of Rmf / Rmc	Charts	
Rm @ BHT	1.12 @	113
Operating Rig Time	4 Hours	
Max Rec. Temp. F	113	
Equipment Number	15	
Location	Hays	
Recorded By	B.Becker	
Witnessed By	Bill Robinson	

<<< 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

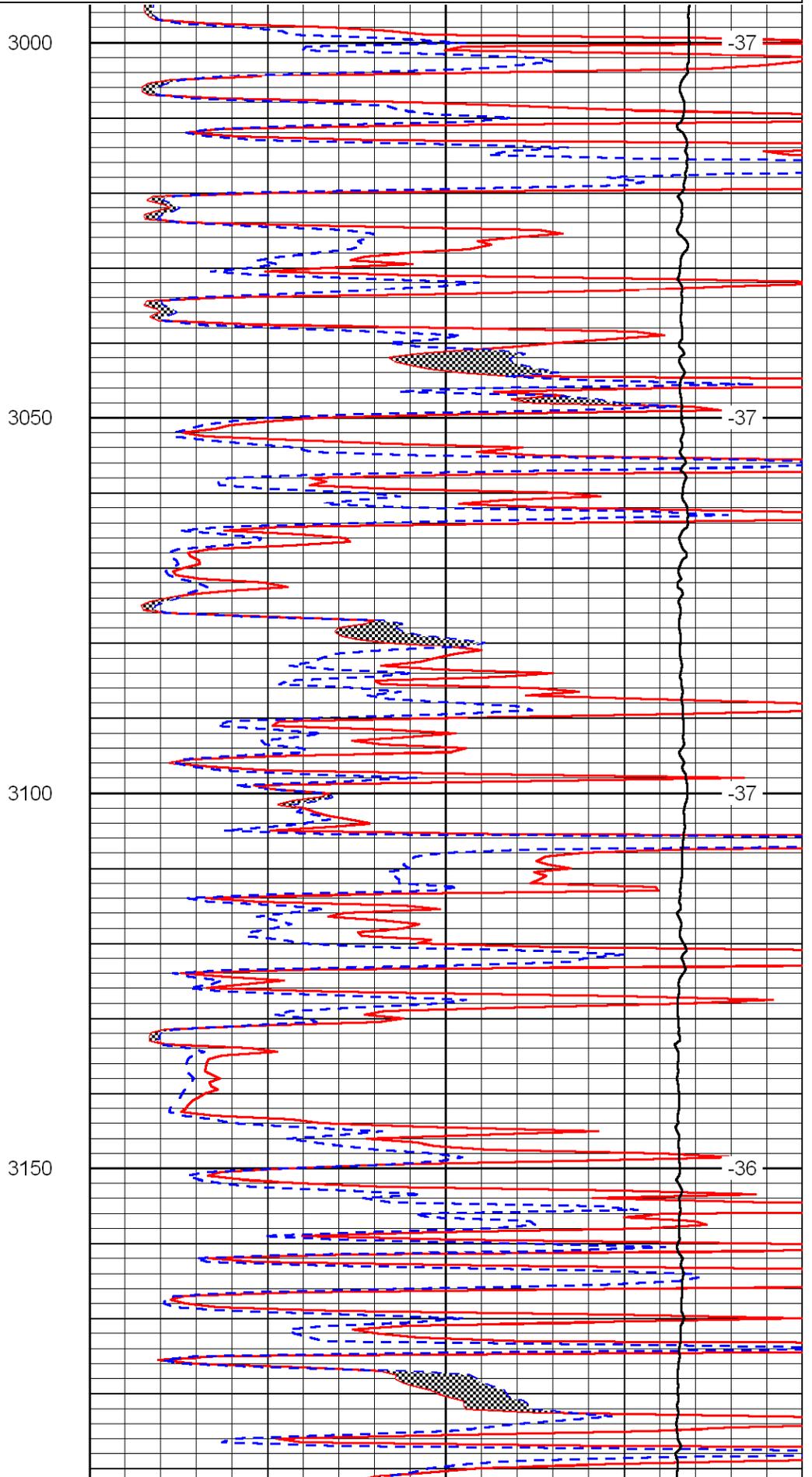
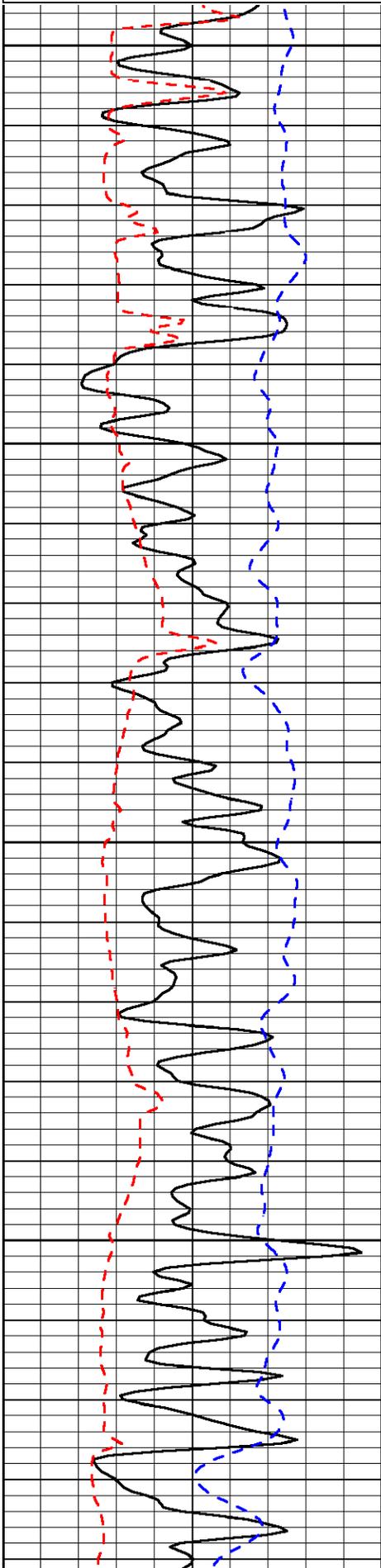
Logan, Ks; 5 South to West Day Dream Rd; 4.8 West;  
North into then first West road in lease then NorthWest at pumpjack

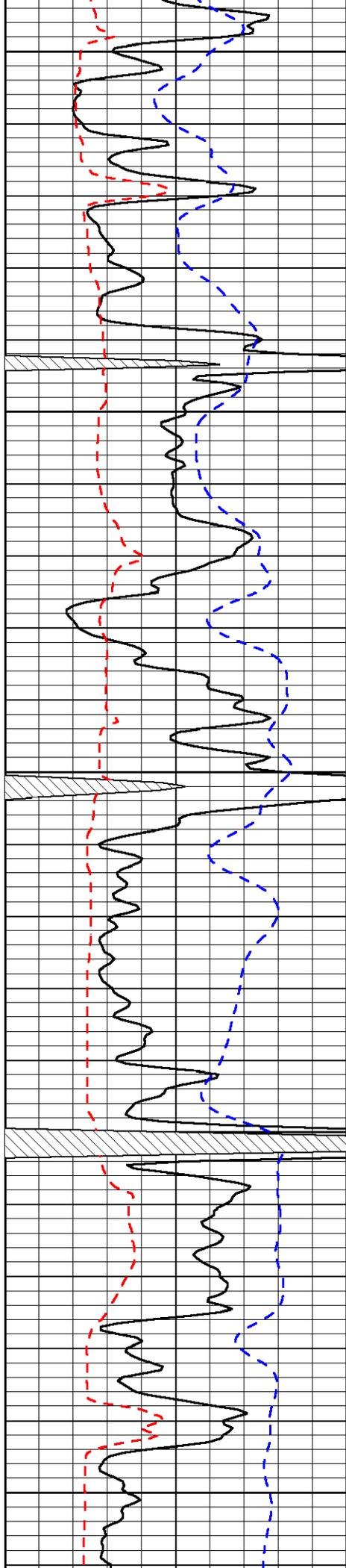
Database File: clipperhd.db  
 Dataset Pathname: DIL/clip\_stack  
 Presentation Format: micro  
 Dataset Creation: Thu Nov 06 15:58:33 2008  
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

LSPD





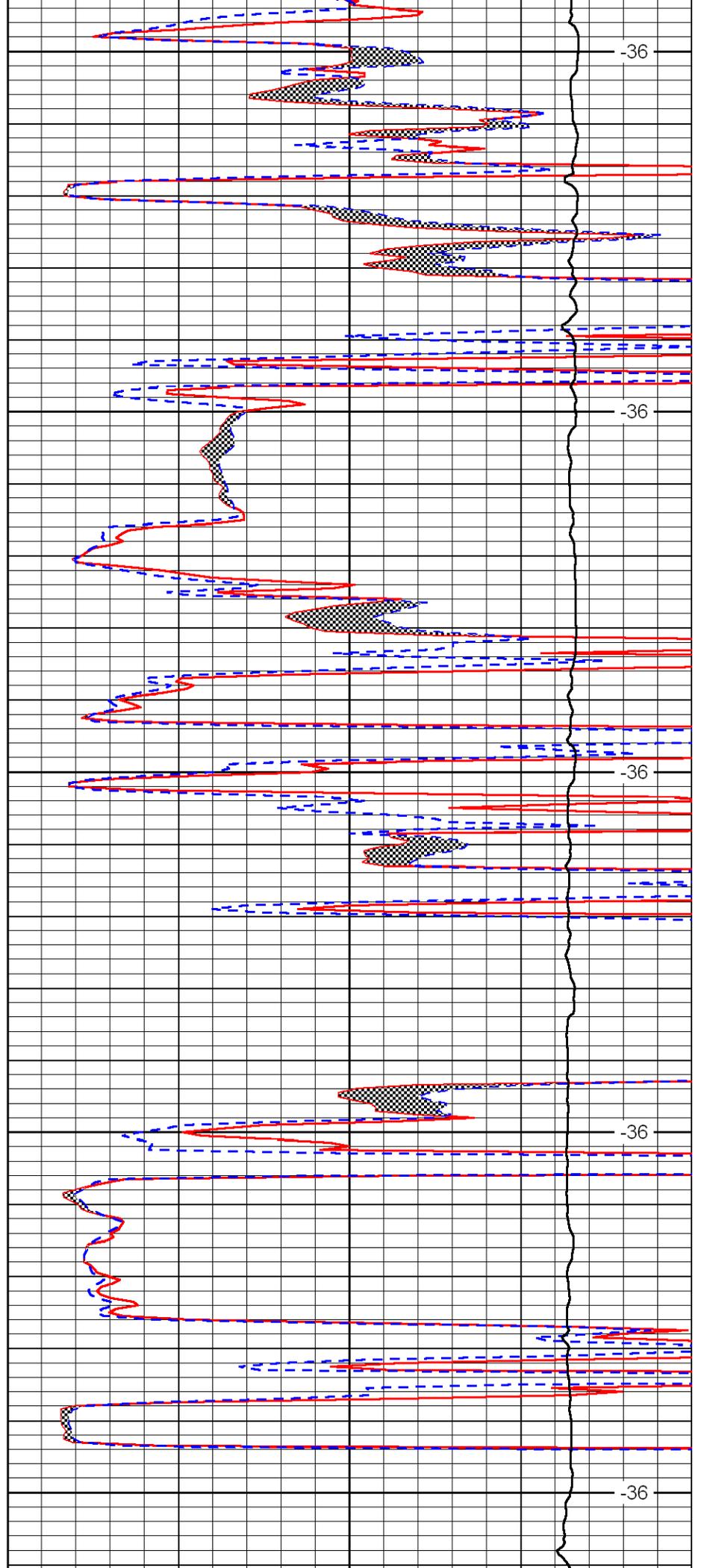
3200

3250

3300

3350

3400



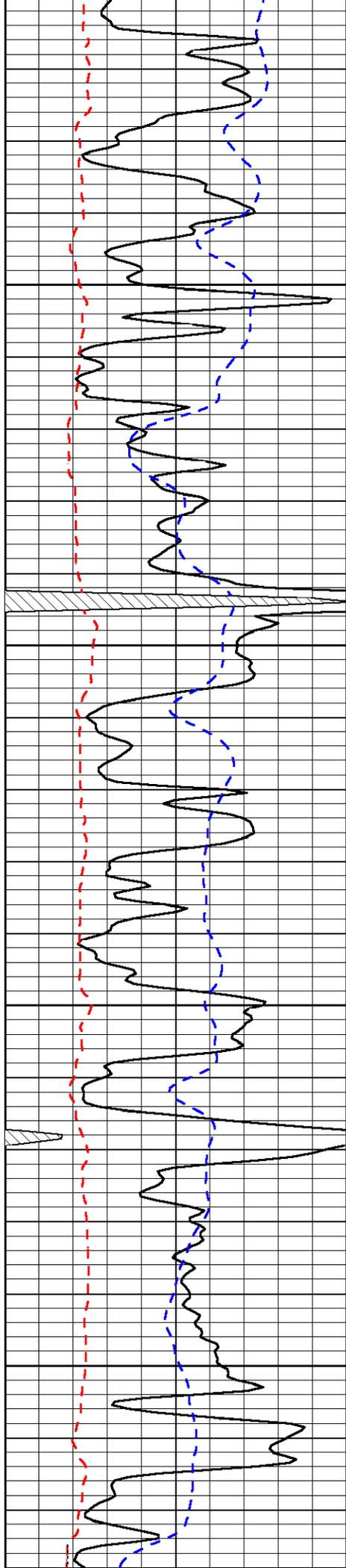
-36

-36

-36

-36

-36

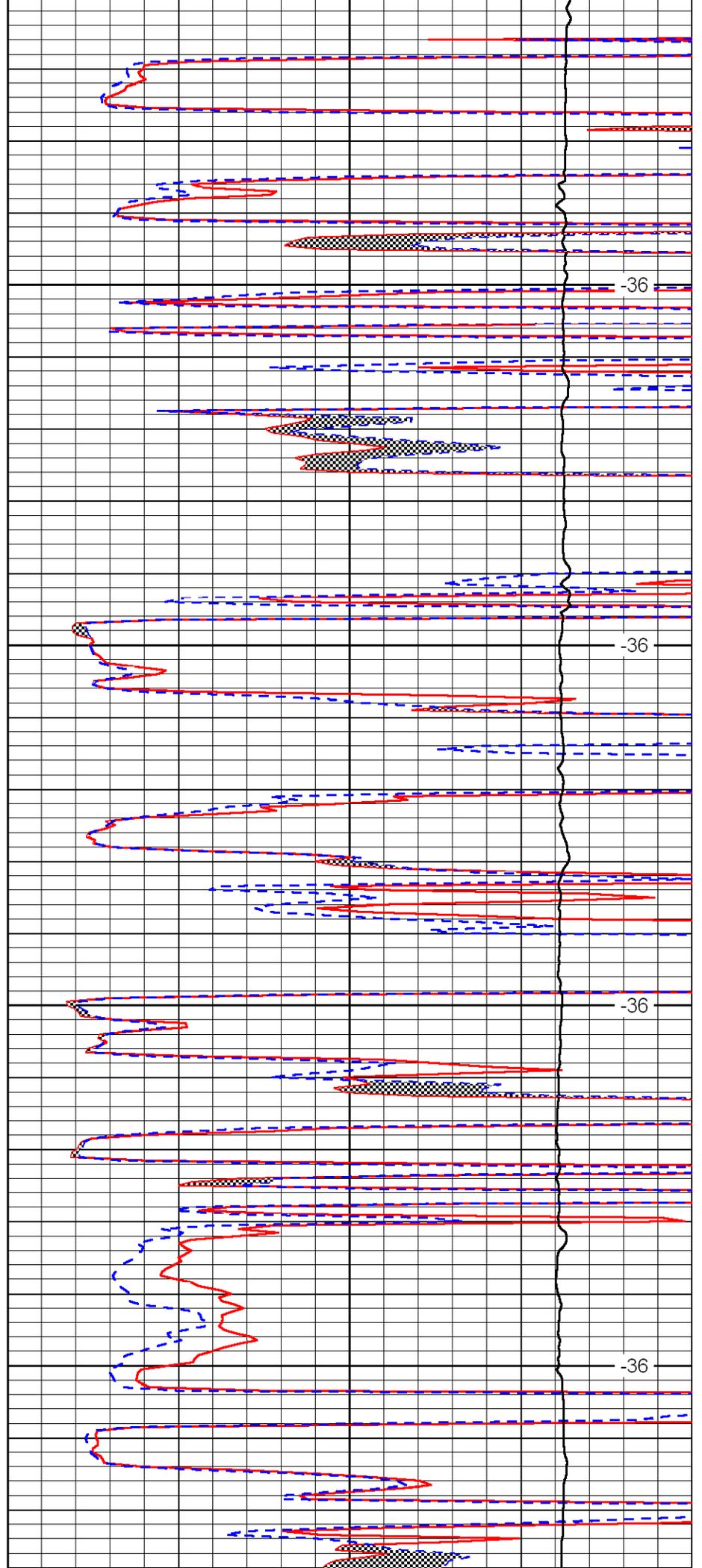


3450

3500

3550

3600



-36

-36

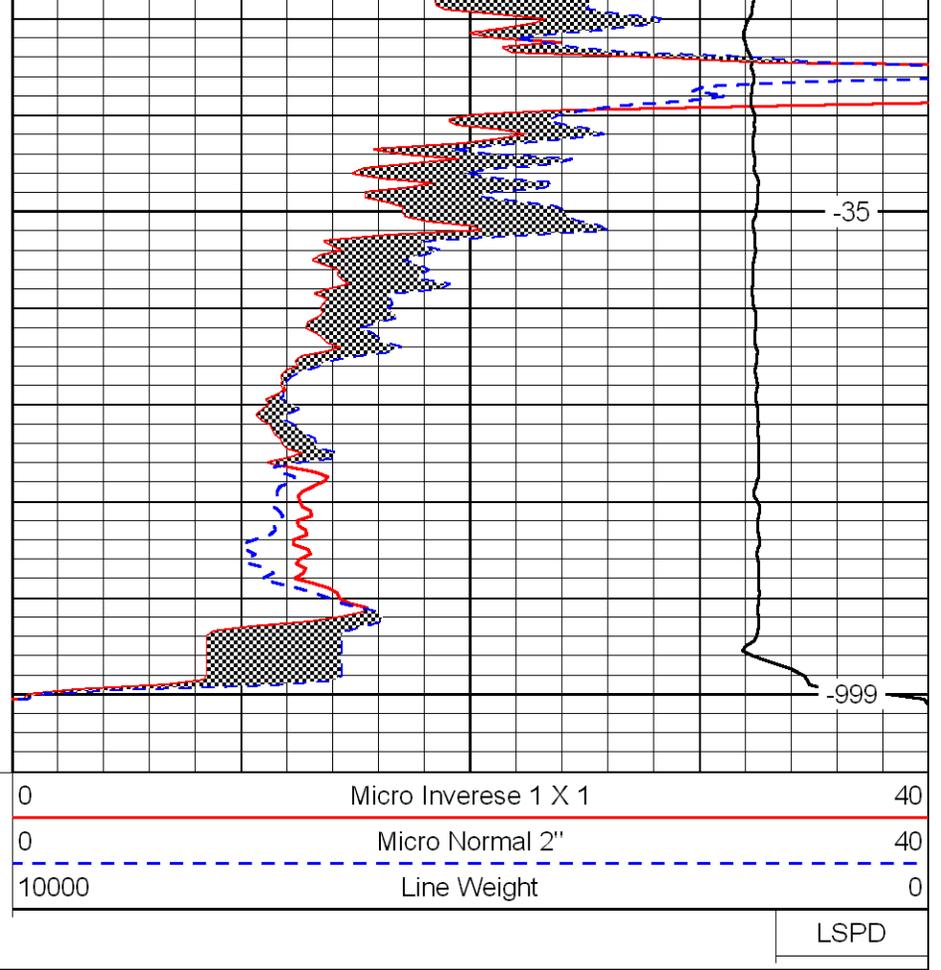
-36

-36



3650

3700



-35

-999

LSPD