



DIGITAL LOG (785) 625-3858

Microresistivity Log

API No. 15-065-23798-00-00

Company Cobalt Energy, LLC  
 Well Hobbs "A" #1-18  
 Field Wildcat  
 County Graham State Kansas

Location 990' FNL & 1980' FEL

Sec: 18 Twp: 10S Rge: 24W

Other Services  
 CNL/CDL  
 DIL

Permanent Datum	Ground Level	Elevation 2452	
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	K.B. 2462
Drilling Measured From	Kelly Bushing		D.F. 2452
Date	1/13/2012		G.L. 2452
Run Number	Two		
Depth Driller	4050		
Depth Logger	4049		
Bottom Logged Interval	4048		
Top Log Interval	3600		
Casing Driller	8.625 @ 226		
Casing Logger	224		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity, ppm CL	2000		
Density / Viscosity	9.1   58		
pH / Fluid Loss	10.5   6.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.4 @ 60		
Rmf @ Meas. Temp	1.05 @ 60		
Rmc @ Meas. Temp	1.89 @ 60		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.72 @ 117		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	117		
Equipment Number	10		
Location	Hays		
Recorded By	D. Schmidt		J. Long
Witnessed By	Corey Baker		

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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.

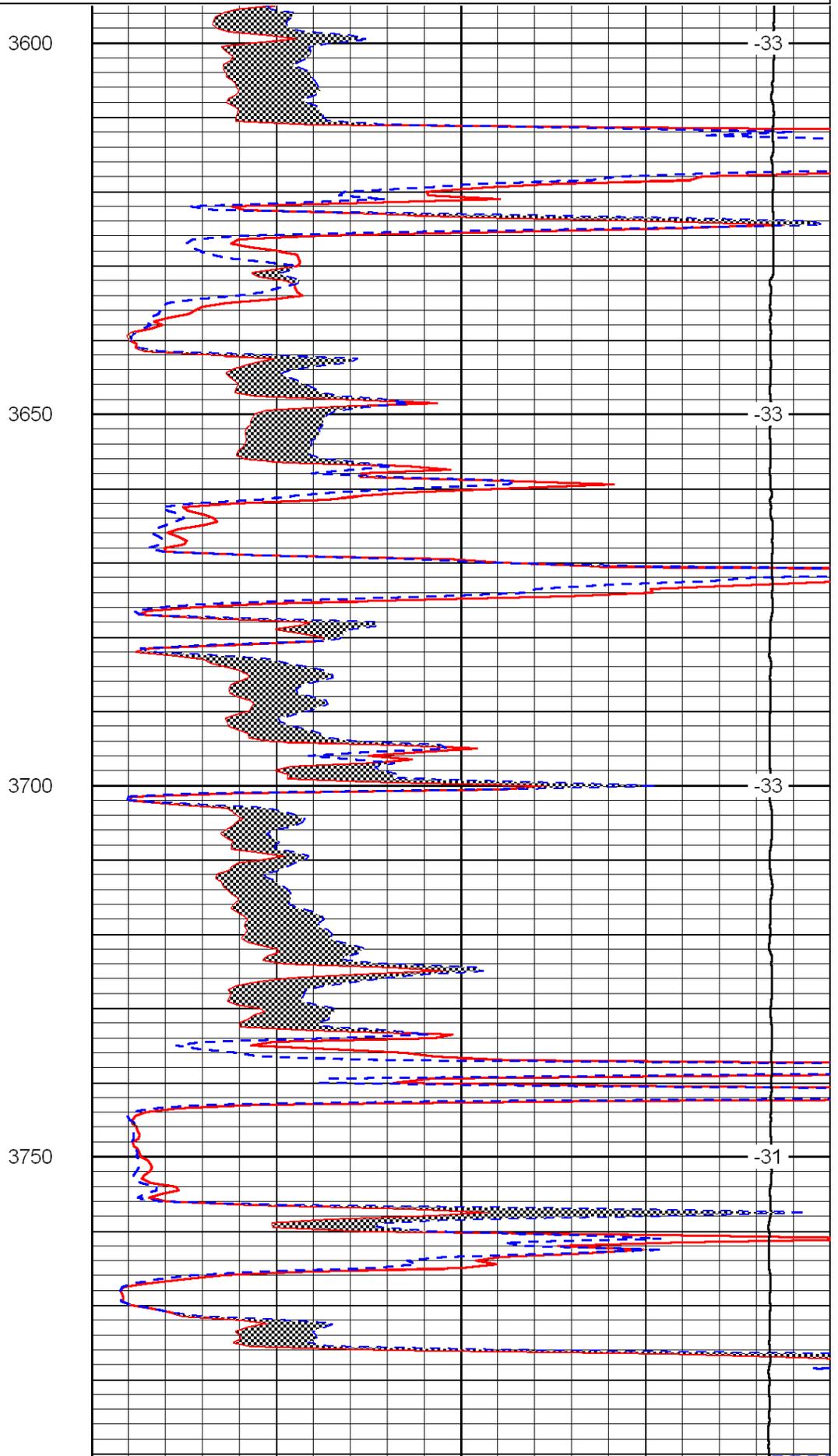
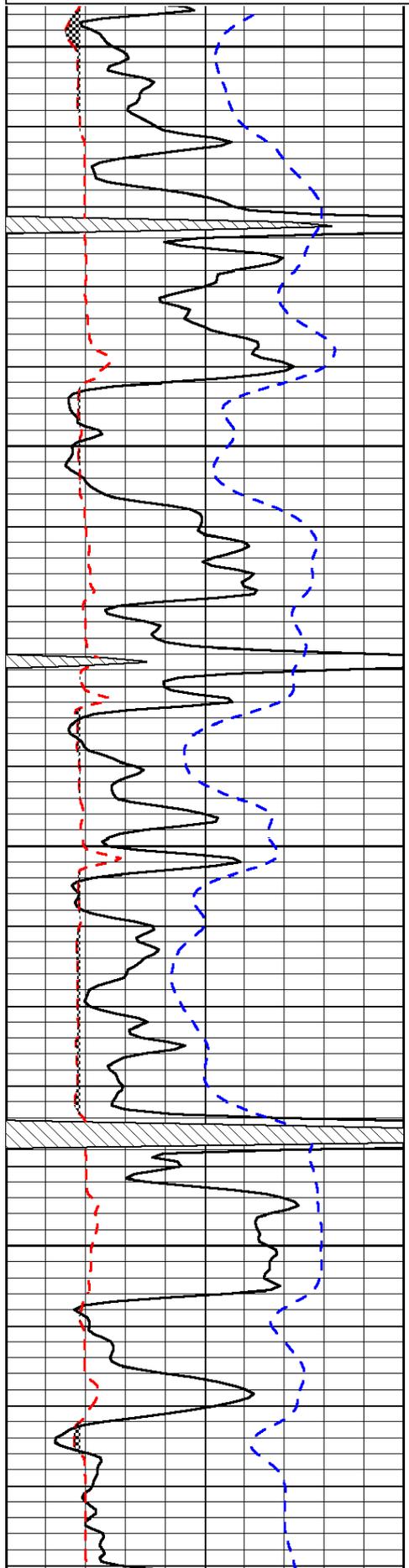
Comments

Thank you for using Log-Tech, Inc.  
 (785) 625-3858  
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 10 N, 6 W, 2 N,  
 3 1/2 W,  
 S into

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

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

LSPD



3600

-33

3650

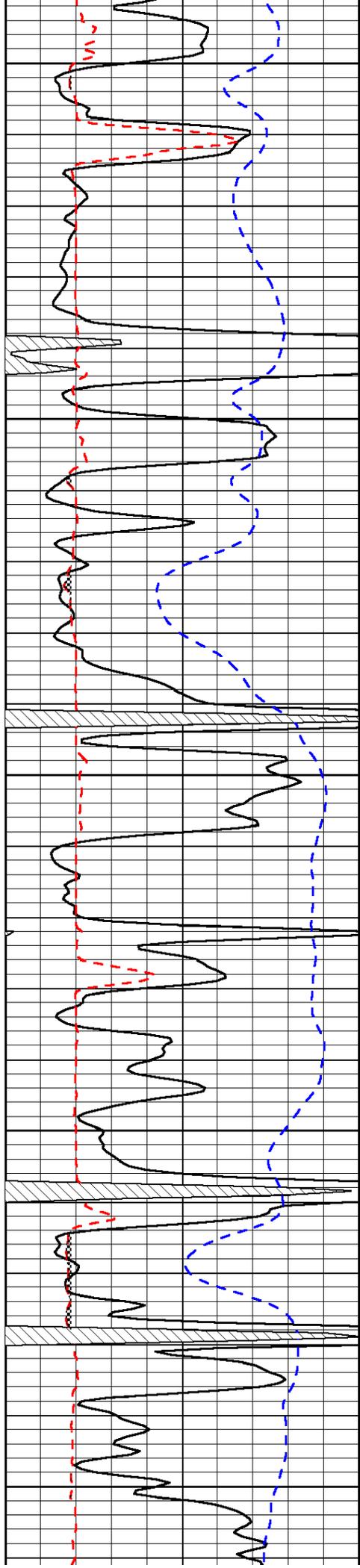
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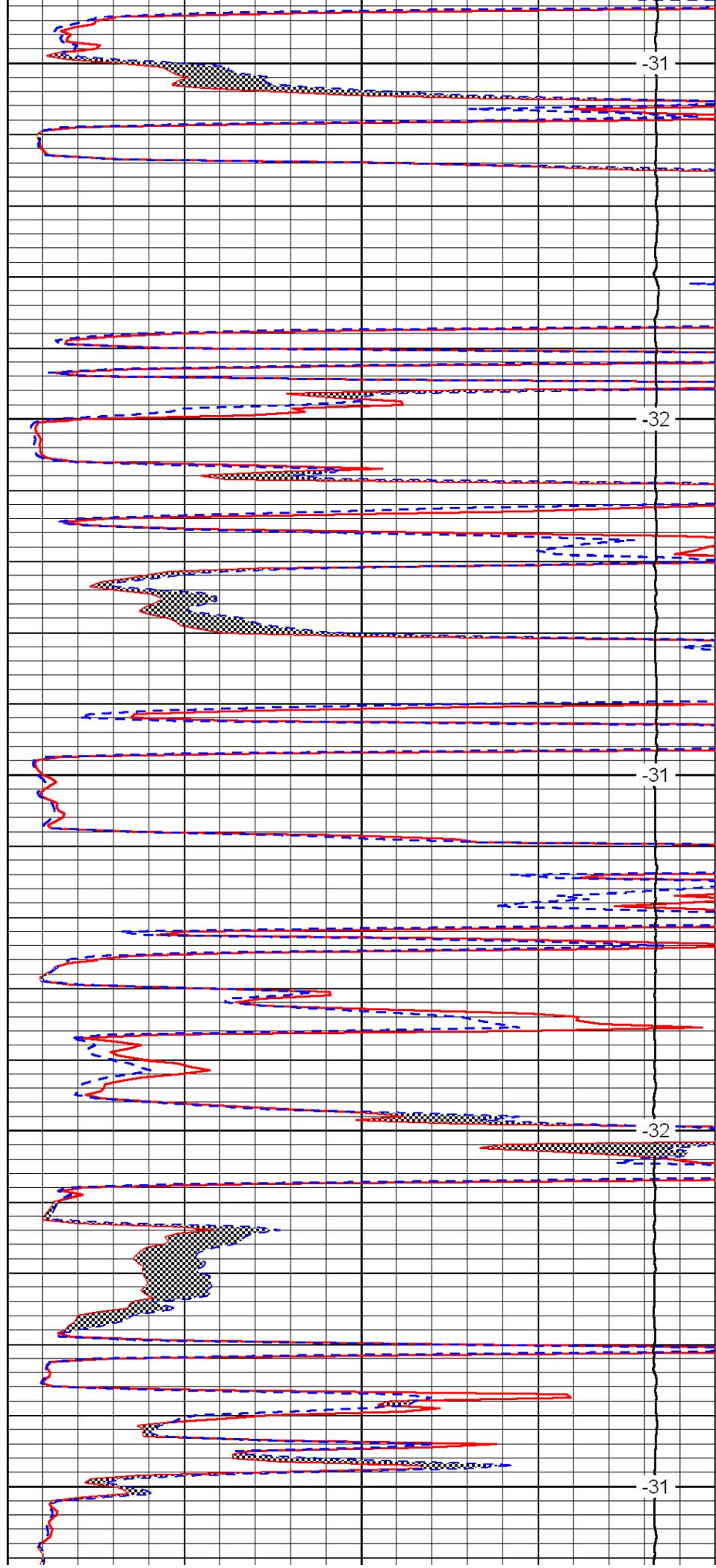
3800

3850

3900

3950

4000



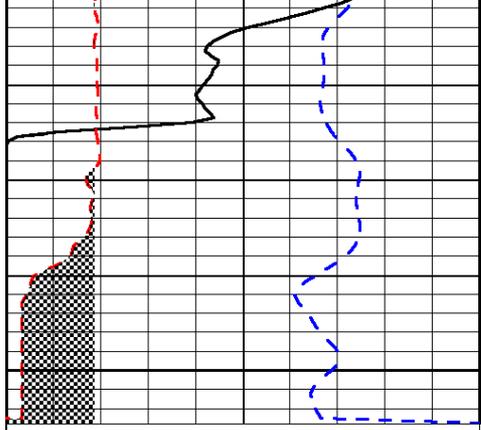
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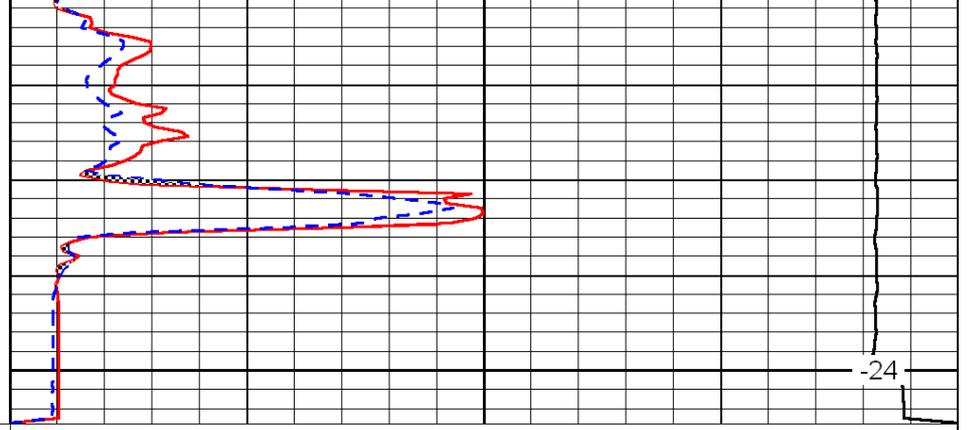
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-31



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