



Pioneer Energy Services

Microresistivity Log

API No.	Company Bach Oil Production Well Jessup Unit No.2 Field Woodruff County Phillips State Kansas			
15-147-20,688-00-00	Location 200' FNL & 1605' FEL		Other Services CNL/CDL DIL	
	Sec: 14	Twp: 1S	Rge: 14W	Elevation K.B. 2024 D.F. G.L. 2019
Permanent Datum	Ground Level	Elevation 2019		
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum		
Drilling Measured From	Kelly Bushing			
Date	9/9/2012			
Run Number	Two			
Depth Driller	3510			
Depth Logger	3510			
Bottom Logged Interval	3509			
Top Log Interval	2900			
Casing Driller	8.625 @ 232			
Casing Logger	228			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity, ppm CL	1,000			
Density / Viscosity	9.3 45			
pH / Fluid Loss	10.0 9.6			
Source of Sample	Flowline			
Rm @ Meas. Temp	1.8 @ 68			
Rmf @ Meas. Temp	1.35 @ 68			
Rmc @ Meas. Temp	2.43 @ 68			
Source of Rmf / Rmc	Charts			
Rm @ BHT	1.1 @ 111			
Operating Rig Time	3 1/2 Hours			
Max Rec. Temp. F	111			
Equipment Number	17			
Location	Hays			
Recorded By	C. Desaire			
Witnessed By	Bob Petersen			

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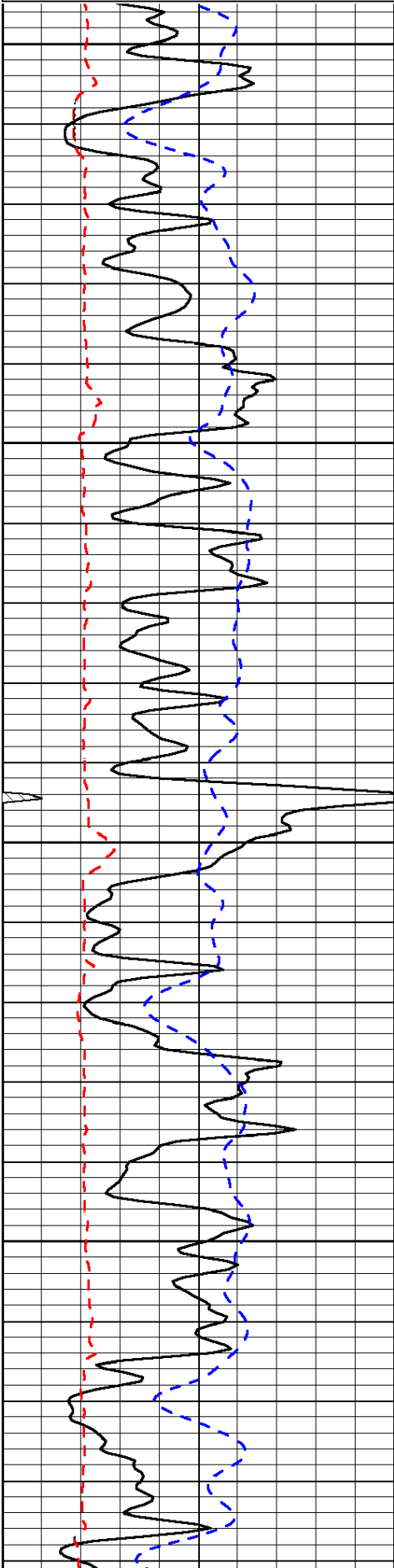
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Phillipsburg KS,
N to 183/383 Junction,
3 W to 500 Rd, 1 1/2 S, 1/4 W, N Into

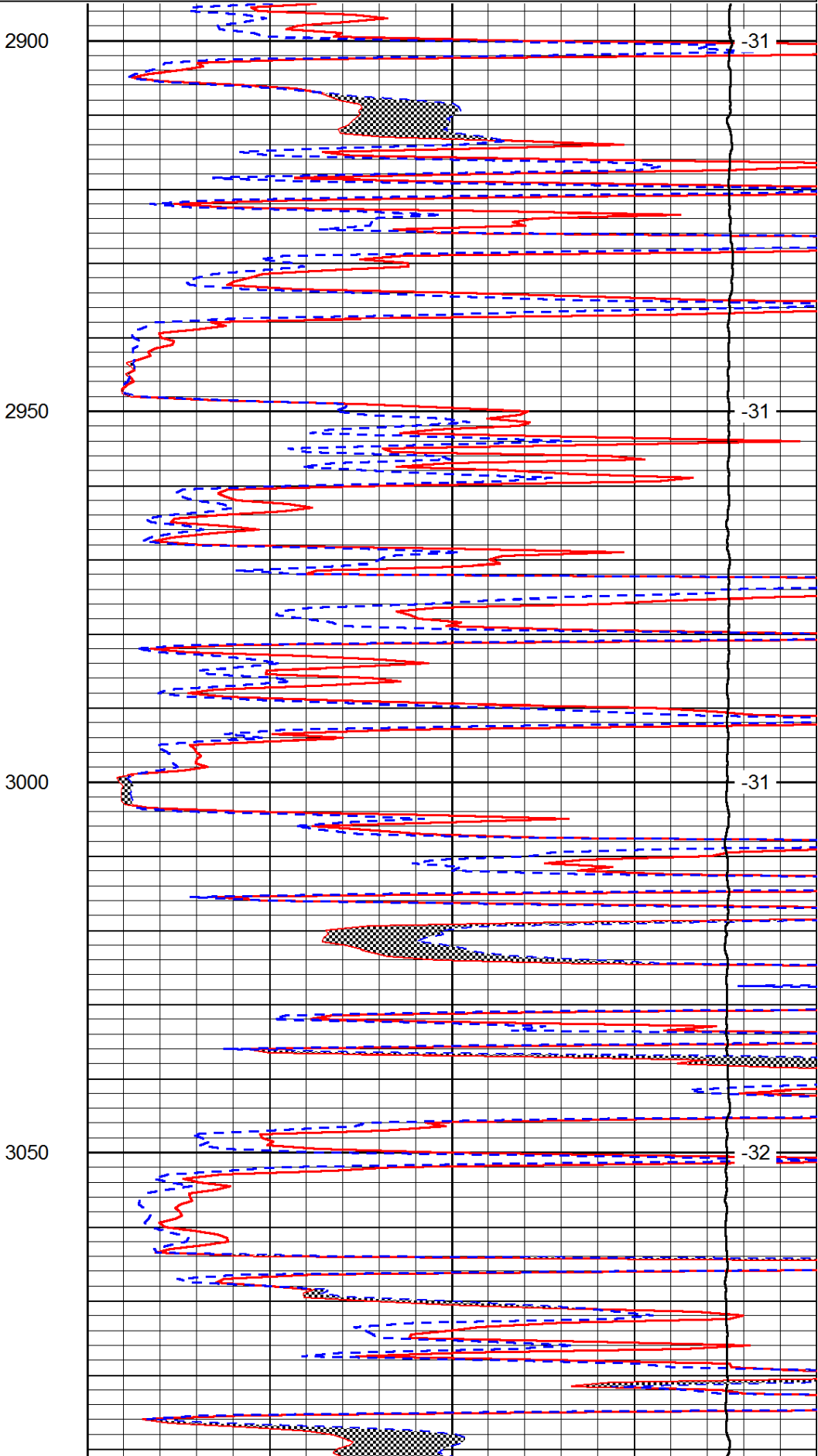
Database File: c:\warrior\data\bach_jessup unit no.2\bachhd.db
Dataset Pathname: dil/bachstk
Presentation Format: micro
Dataset Creation: Sun Sep 09 03:23:01 2012
Charted by: Depth in Feet scaled 1:240

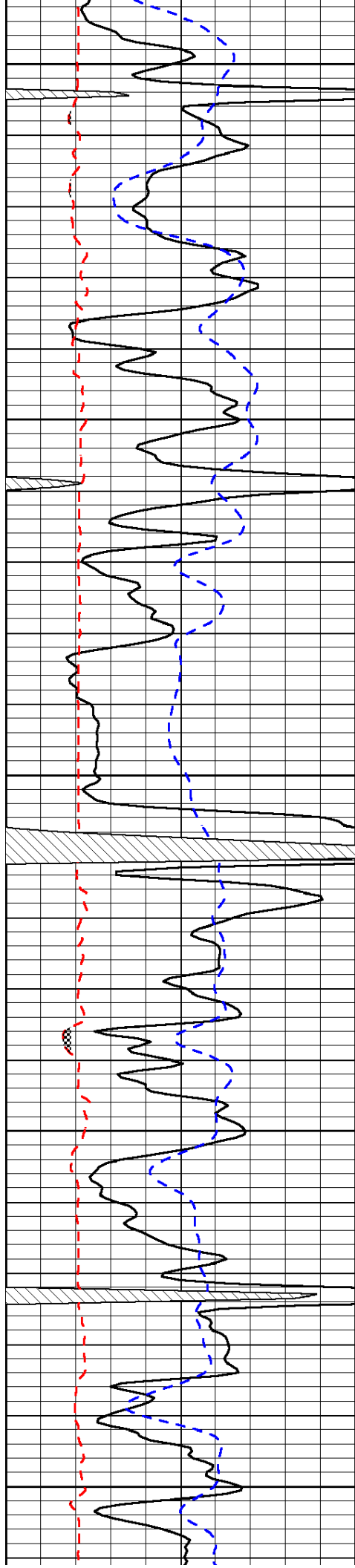
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



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

LSPD





3100

3150

3200

3250

3300

