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COMPENSATED DENSITY COMPENSATED NEUTRON GAMMA RAY

Company High Plains Energy LLC
Well Dune Ridge State 32-2
Field Dune Ridge
County Washington
State Colorado

Location: API # : 05075094150000
665' FNL & 605' FEL
NENE
SEC 32 TWP 7N RGE 52W

Other Services
Hi. Res. Induction

Elevation
K.B. 4135
D.F. 4134
G.L. 4125

Permanent Datum GL Elevation 4125
Log Measured From KB
Drilling Measured From KB

Date	March 10, 2014
Run Number	1
Depth Driller	4778
Depth Logger	4776
Bottom Logged Interval	4756
Top Log Interval	
Casing Driller	682
Casing Logger	Not Logged
Bit Size	7-7/8"
Type Fluid in Hole	Chem Gel
Density / Viscosity	9.6 / 76
pH / Fluid Loss	9.0 / 11.0
Source of Sample	Flowline
Rm @ Meas. Temp	
Rmf @ Meas. Temp	
Rmc @ Meas. Temp	
Source of Rmf / Rmc	Measure / Calc
Rm @ BHT	
Time Circulation Stopped	
Time Logger on Bottom	0630
Maximum Recorded Temperature	
Equipment Number	49
Location	Brighton, CO
Recorded By	Clint Christensen
Witnessed By	Randy Wheat / Pete Vollmer

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

Annular volume calculated for 5-1/2" casing
Mid Continent Rig 1
Thank you for using Pioneer Energy Services

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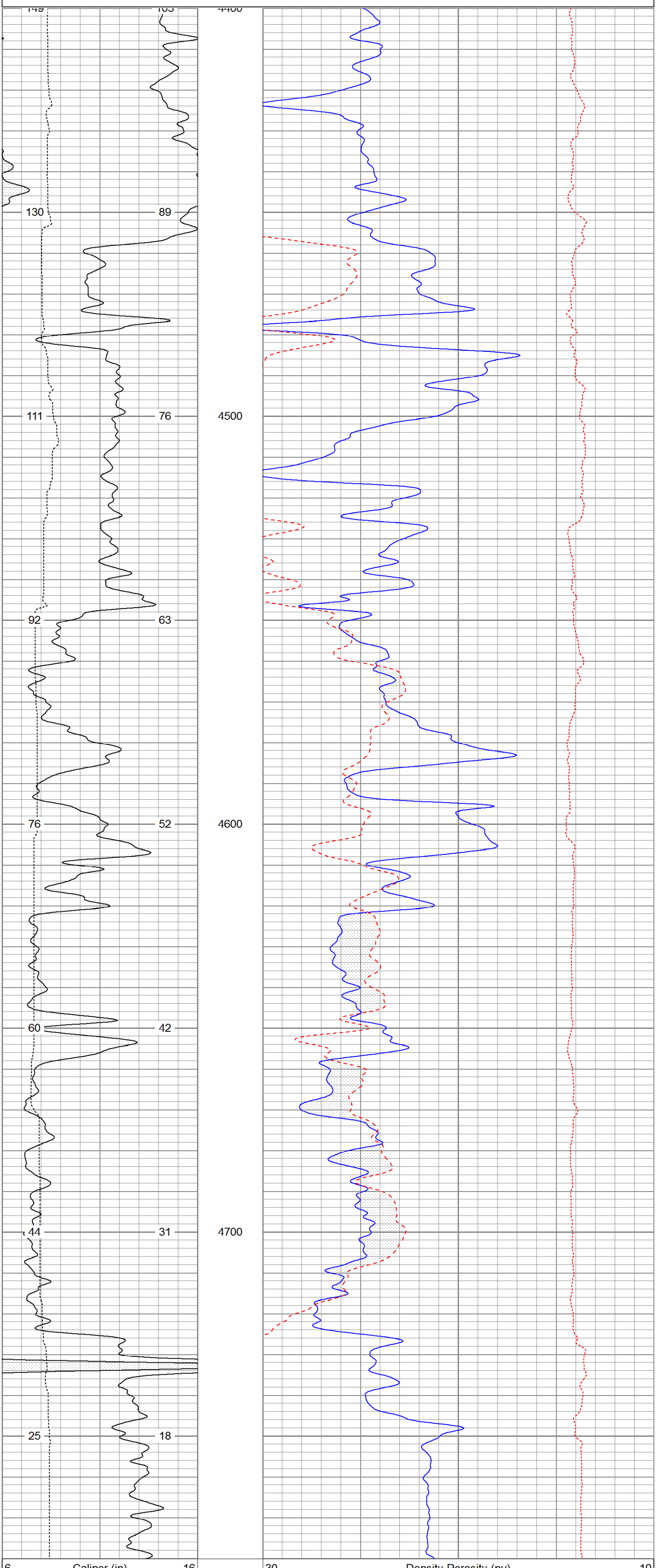
REPEAT PASS

Database File: 13483.db
Dataset Pathname: pass2
Presentation Format: poro
Dataset Creation: Mon Mar 10 06:31:31 2014 by Log 0
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16
0	Gamma Ray (GAPI)	200
TBHV (ft3)		ABHV (ft3)

30	Density Porosity (pu)	-10
30	Neutron Porosity (pu)	-10
-0.5	Correction (g/cc)	0.5



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