PIONEER WIRELINE SERVICES

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company	Great Western Oil & Gas LLC
Well	H-Y 29-51
Field	Wattenberg
County	Weld
State/Province	Colorado
Location	SHL: 814' FNL & 1943' FWL NENW BHL: 1342' FNL & 1311' FEL SWNE Sec 29, Twp - 6N, Rge - 67W
Other Services	none

Company
Well
Field
County
State/Prv

Permanent Datum	GL	Elevation 4783	Elevation K.B. 4797 D.F. 4796 G.L. 4783
Log Measured From	KB		
Drilling Measured From	KB		

Date	July 21, 2012	
Run Number	1	
Depth Driller	7721	
Depth Logger	7714	
Bottom Logged Interval	7714	
Top Log Interval	Casing	
Casing Driller	901	
Casing Logger	901	
Bit Size	7+7/8"	
Type Fluid in Hole	Chem Gel	
Density / Viscosity	9.2 / 52	
pH / Fluid Loss	10.0 / 16.0	
Source of Sample	Flowline	
Rm @ Meas. Temp	3.09 @ 78 F	
Rmf @ Meas. Temp	2.47 @ 78 F	
Rmc @ Meas. Temp	3.71 @ 78 F	
Source of Rmf / Rmc	Measure / Calc	
Rm @ BHT	1.15 @ 210 F	
Time Circulation Stopped	1900 7/20	
Time Logger on Bottom	0240	
Maximum Recorded Temperature	210 F	
Equipment Number	52	
Location	Brighton, CO	
Recorded By	Kelly Keever	Clint Christensen
Witnessed By	Shawn Armstrong	Mark Scaniello

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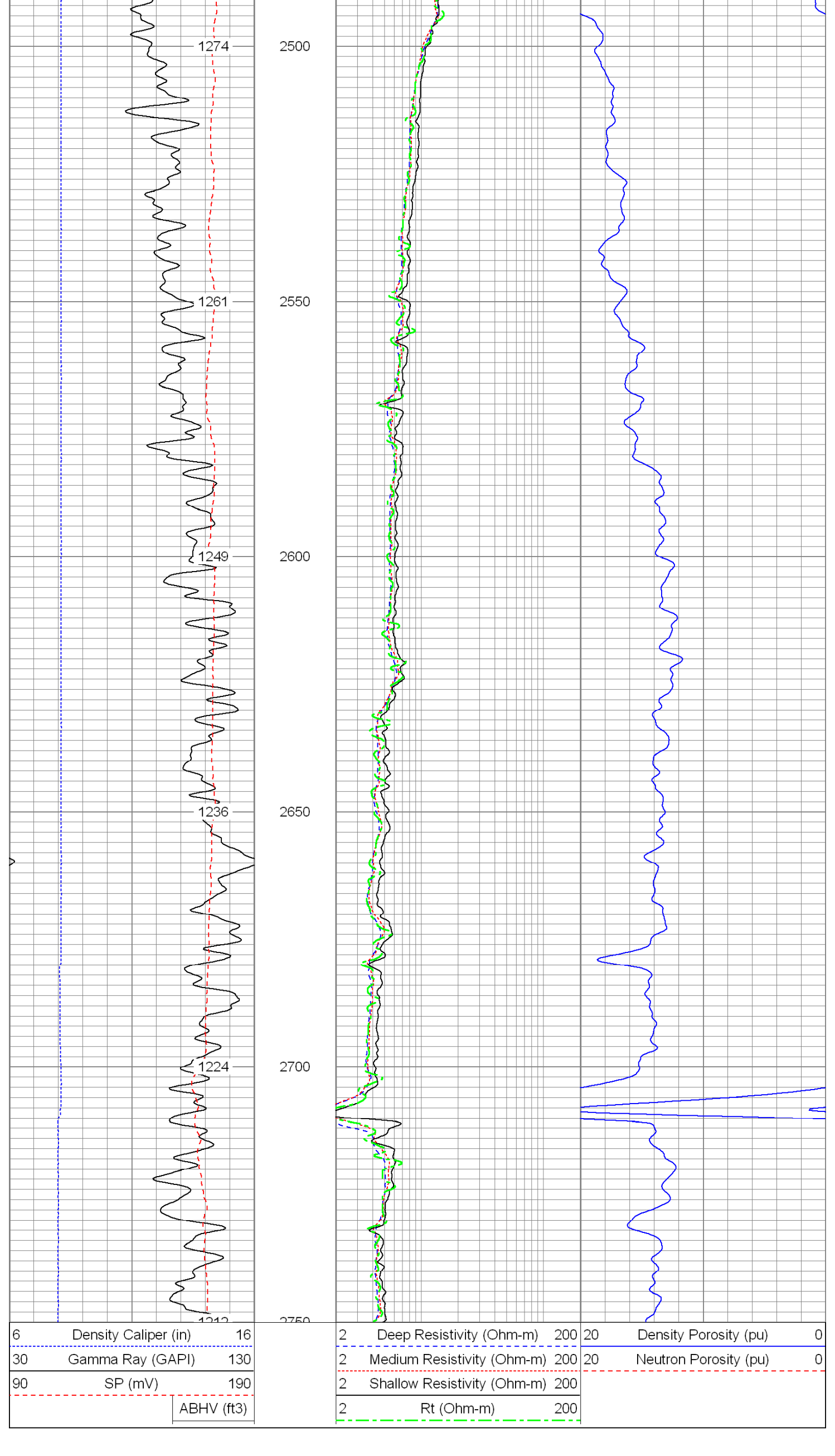
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Annular volume calculated for 4.5" casing
Cade Drilling Rig 25
Thank you for using Phoenix Surveys.
API #: 05-123-35432-00

Database File:	13045.db
Dataset Pathname:	FINAL
Presentation Format:	pdc1
Dataset Creation:	Sat Jul 21 02:25:29 2012
Charted by:	Depth in Feet scaled 1:240

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
90	SP (mV)	190	2	Shallow Resistivity (Ohm-m)	200			
	ABHV (ft3)		2	Rt (Ohm-m)	200			



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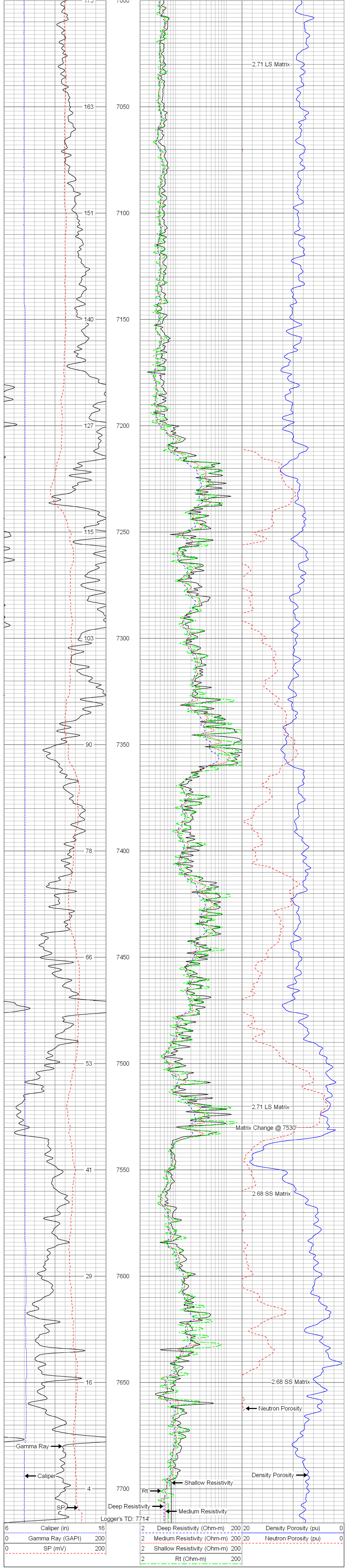

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