HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

OSAGE WIRELINE

Company	COLT ENERGY INC.
Well	MITCHELL FAMILY TRUST # L-9
Field	CENTERVILLE
County	LINN
State	KANSAS

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Location: API # : 15-107-24607-0000
NE/4
380' FNL & 2337' FEL
SEC 36 TWP 21S RGE 21E

Other Services
DIL

Permanent Datum	GL	Elevation 989'	Elevation
Log Measured From	GL		K.B. ---
Drilling Measured From	GL		D.F. ---
			G.L. 989'

Date	7-25-2012	
Run Number	ONE	
Depth Driller	862'	
Depth Logger	862'	
Bottom Logged Interval	860'	
Top Log Interval	SURFACE	
Casing Driller	8.625" @ 22'	
Casing Logger	8.625" @ 22'	
Bit Size	6.75"	
Type Fluid in Hole	WATER	
Density / Viscosity		
pH / Fluid Loss		
Source of Sample		
Rm @ Meas. Temp		
Rmf @ Meas. Temp		
Rmc @ Meas. Temp		
Source of Rmf / Rmc		
Rm @ BHT		
Time Circulation Stopped		
Time Logger on Bottom		
Maximum Recorded Temperature		
Equipment Number	OW2	
Location	HOMINY, OK	
Recorded By	LOWERY	MARSHALL
Witnessed By	MR. ASHLOCK	

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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

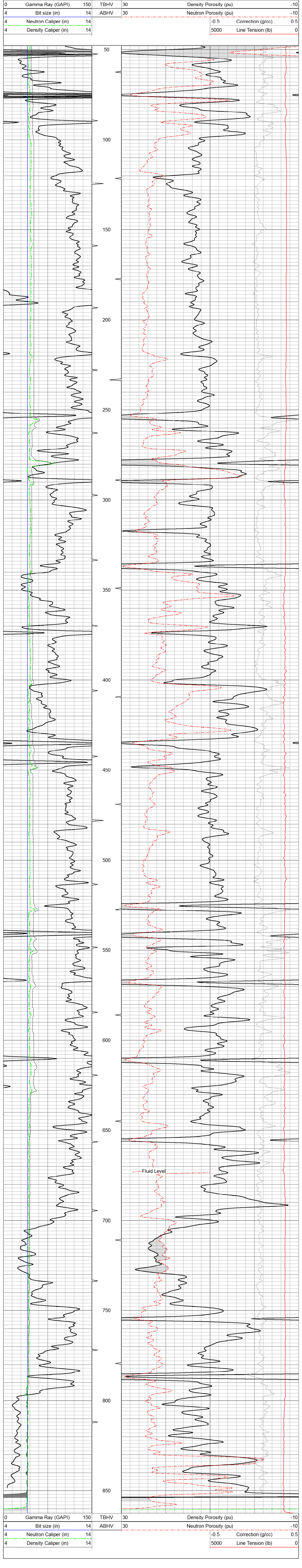
OW2-7464
MATRIX LIMESTONE 2.71 G/CC
ABHV COMPUTED WITH 4 1/2" CASING

CREW : SHAMBLES

5" CDL/SWN SECTION

Database File: ow2-7466 colt energy.db
Dataset Pathname: CDL/pass1.5
Presentation Format: _neu4
Dataset Creation: Wed Jul 25 12:19:34 2012 by Calc SOC 111108
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)	-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Neutron Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14		5000	Line Tension (lb)	0

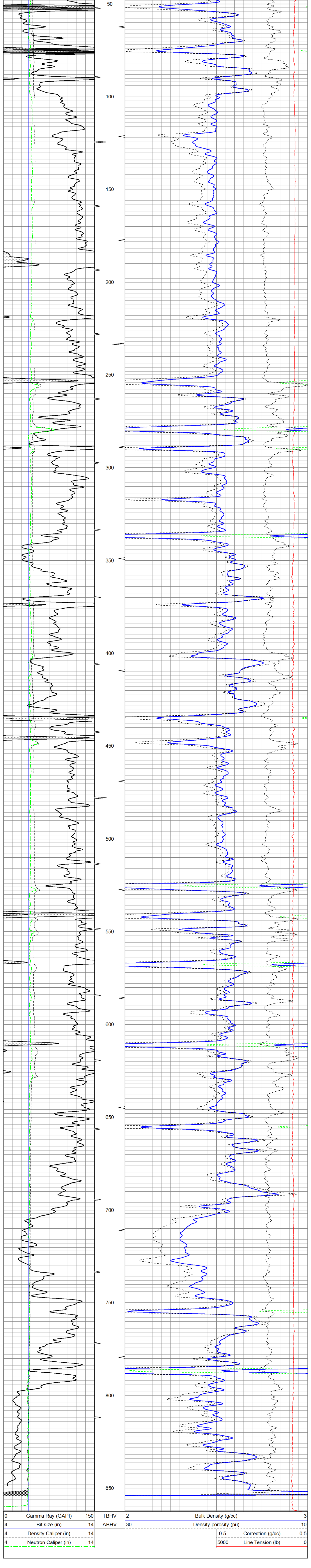


0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)	-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Neutron Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14		5000	Line Tension (lb)	0

5" CDL SECTION

Database File: ow2-7466 colt energy.db
Dataset Pathname: CDL/pass1.4
Presentation Format: bulk4
Dataset Creation: Wed Jul 25 12:19:30 2012 by Calc SOC 111108
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Density Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14		5000	Line Tension (lb)	0



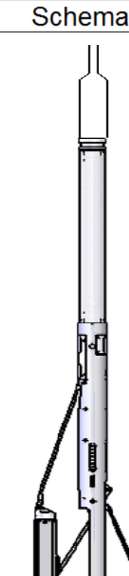
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Density Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14		5000	Line Tension (lb)	0

25" HR CDL SECTION

Database File: ow2-7466 colt energy.db
Dataset Pathname: CDL/pass1.6
Presentation Format: bulk4hr
Dataset Creation: Wed Jul 25 12:19:47 2012 by Calc SOC 111108
Charted by: Depth in Feet scaled 1:48

0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Density Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14		5000	Line Tension (lb)	0

0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3		
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10		
4	Density Caliper (in)	14				-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14				5000	Line Tension (lb)	0

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CableHead Isulation Sub	1.42	3.00	20.00
GR	16.06		Gamma-Oilex3006 (3006) Gamma Ray Section	2.81	3.50	75.00
LSD DCAL SSD	10.44 10.15 9.98		Density-Oilex3006 (280) Density Section	6.29	4.00	200.00
SCAL NEU SWN	2.54 2.15 2.15		Neutron-Sidewall3015 (3015) Sidewall Neutron Section	7.81	4.00	150.00

Dataset:	ow2-7466 colt energy.db: field/well/CDL/pass1
Total Length:	18.33 ft
Total Weight:	445.00 lb
O.D.	4.00 in