HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

OFFICE WIRELINE

Company	COLT ENERGY INC.
Well	HEADRICK # 14-28
Field	
County	VERNON
State	MISSOURI

Company COLT ENERGY INC.
Well HEADRICK # 14-28
Field
County VERNON State MISSOURI
Location: API # : 24-217-22863
C SW SE SW
330' FSL & 1650' FWL
SEC 28 TWP 37N RGE 33W

Other Services: DIL

Permanent Datum	GL	Elevation 813'	Elevation: K.B. --- D.F. --- G.L. 813'
Log Measured From	GL		
Drilling Measured From	GL		

Date	11-21-2012	
Run Number	ONE	
Depth Driller	311'	
Depth Logger	310'	
Bottom Logged Interval	308'	
Top Log Interval	SURFACE	
Casing Driller	8.625" @ 21'	
Casing Logger	8.625" @ 21'	
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. STEGEMAN	

Mo Oil & Gas Council DEC 26 2012

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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

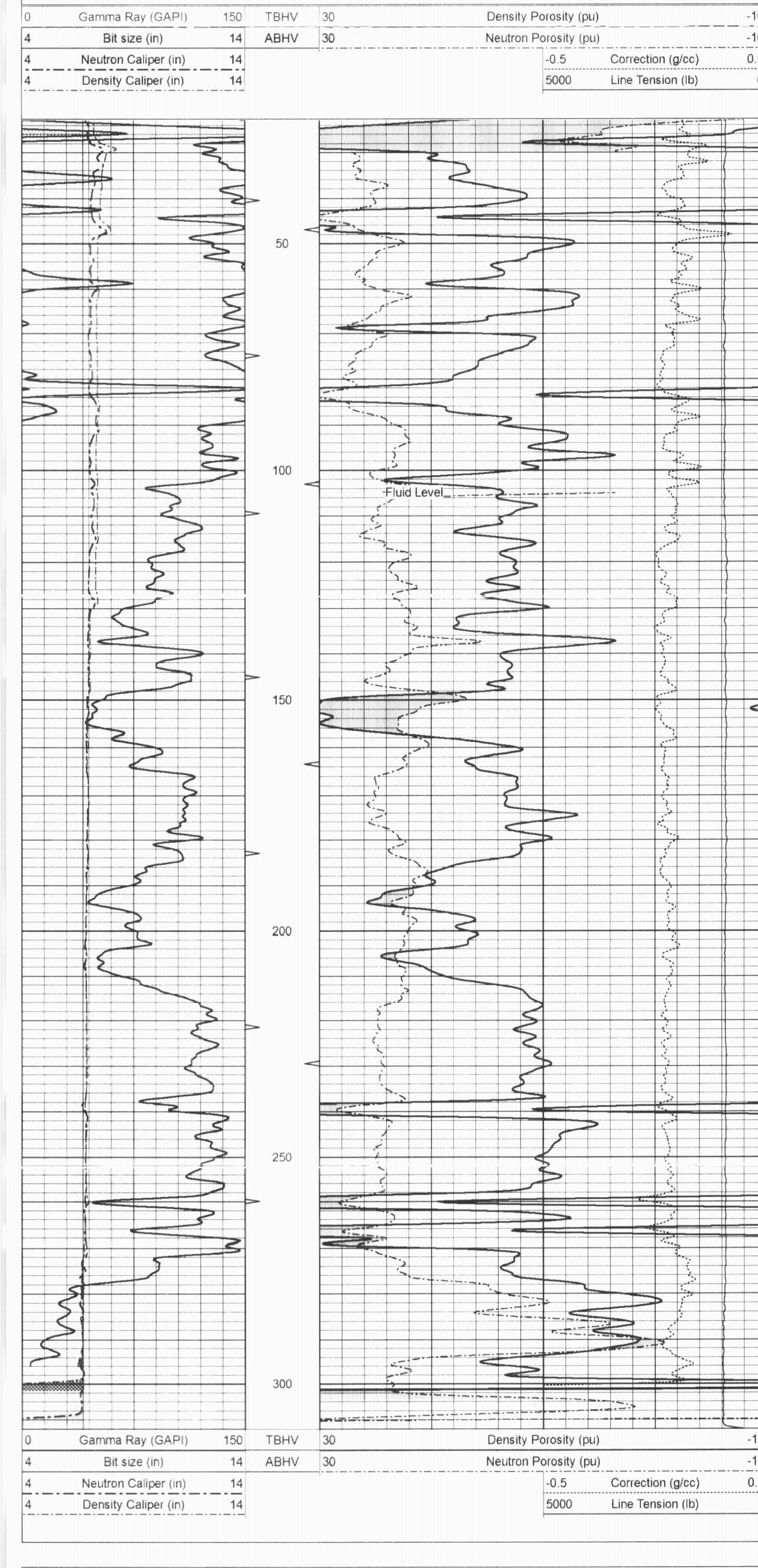
OW2-8274
MATRIX LIMESTONE 2.71g/cc
ABHV COMPUTED WITH 4 1/2" CASING

CREW : JOHNSON

5"CDL/SWN SECTION

Database File: ow2-8274 colt energy.db
Dataset Pathname: CDL/pass1.2
Presentation Format: _neu4
Dataset Creation: Wed Nov 21 14:43:01 2012 by Calc SOC 120430
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

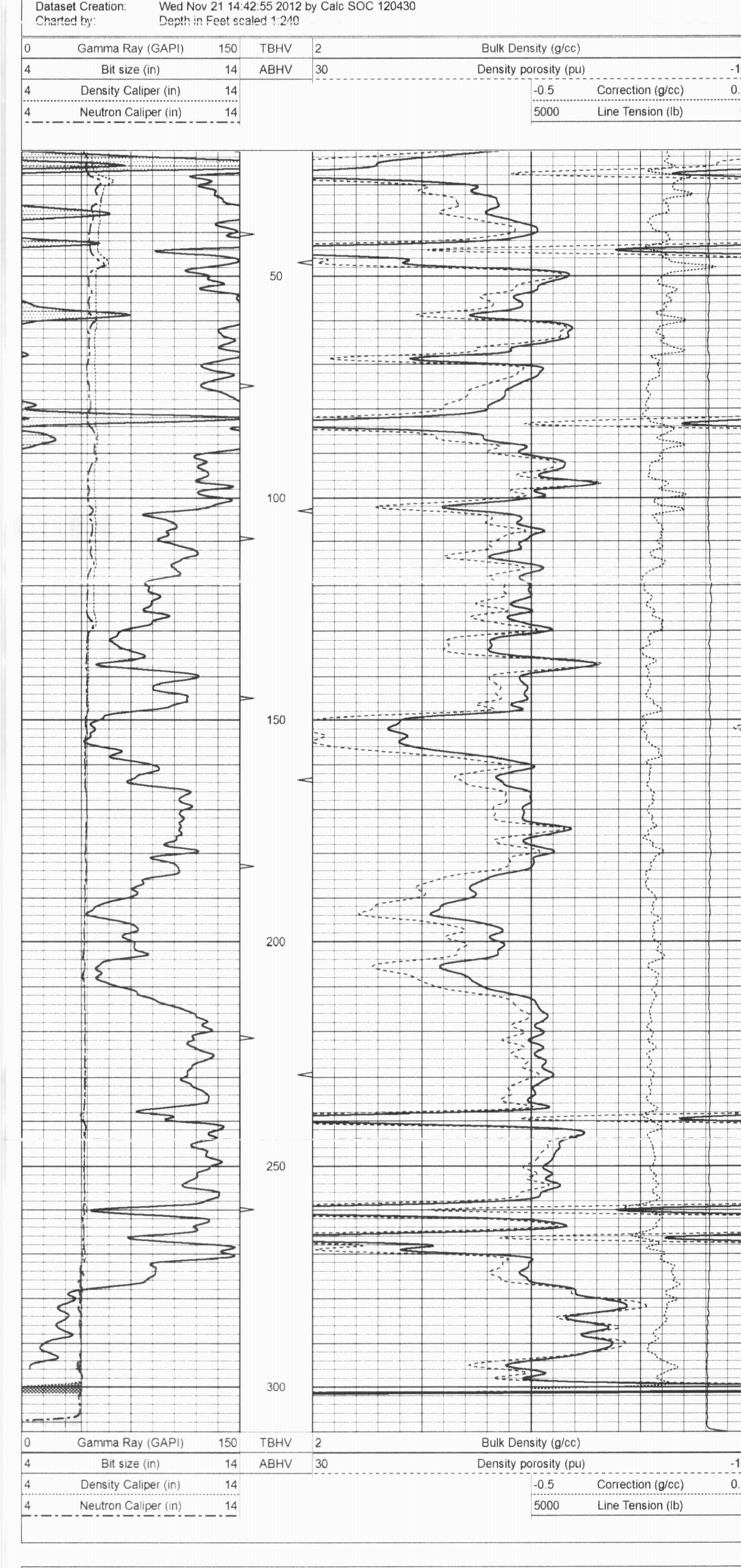


0 Gamma Ray (GAPI) 150 | TBHV | 30 Density Porosity (pu) -10
4 Bit size (in) 14 | ABHV | 30 Neutron Porosity (pu) -10
4 Neutron Caliper (in) 14 | -0.5 Correction (g/cc) 0.5
4 Density Caliper (in) 14 | 5000 Line Tension (lb) 0

5" CDL SECTION

Database File: ow2-8274 colt energy.db
Dataset Pathname: CDL/pass1.1
Presentation Format: bulk4
Dataset Creation: Wed Nov 21 14:42:55 2012 by Calc SOC 120430
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



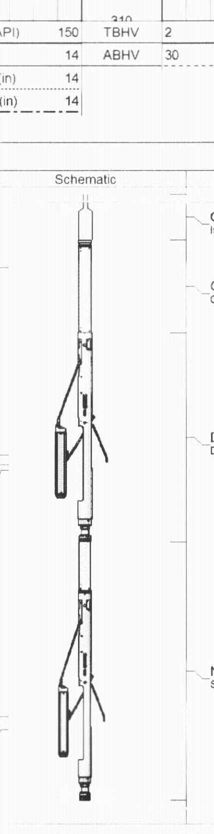
0 Gamma Ray (GAPI) 150 | TBHV | 2 Bulk Density (g/cc) 3
4 Bit size (in) 14 | ABHV | 30 Density porosity (pu) -10
4 Density Caliper (in) 14 | -0.5 Correction (g/cc) 0.5
4 Neutron Caliper (in) 14 | 5000 Line Tension (lb) 0

25" HR CDL SECTION

Database File: ow2-8274 colt energy.db
Dataset Pathname: CDL/pass1.3
Presentation Format: bulk4hr
Dataset Creation: Wed Nov 21 14:43:12 2012 by Calc SOC 120430
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: ow2-8274 colt energy.db: field/well/CDL/pass1
Total Length: 18.33 ft
Total Weight: 445.00 lb
O.D.: 4.00 in