HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

OPAGE WIRELINE

Company	COLT ENERGY, INC.		
Well	LINN, R & M # 14-29		
Field			
County	VERNON	State	MISSOURI
Location:	API # : 24-217-22816		Other Services
	W/2 NW SE SW 970' FSL & 3000' FEL LATTITUDE 37.78830 & LONGITUDE -94.59653 SEC 29 TWP 35N RGE 33W		DIL
Permanent Datum	GL	Elevation 811'	Elevation K.B. -- D.F. -- G.L. 811'
Log Measured From	GL		
Drilling Measured From	GL		

RECEIVED DEC 19 2011 Mo Oil & Gas Council

12/19/12

Date	11-22-2011
Run Number	ONE
Depth Driller	311'
Depth Logger	311'
Bottom Logged Interval	309'
Top Log Interval	SURFACE
Casing Driller	8 5/8" @ 20'
Casing Logger	8 5/8" @ 20'
Bit Size	6 3/4"
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
Witnessed By	MR. STEGEMAN

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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

OW2-7988
MATRIX LIMESTONE 2.71 g/cc
ABHV COMPUTED WITH 2 7/8" CASING

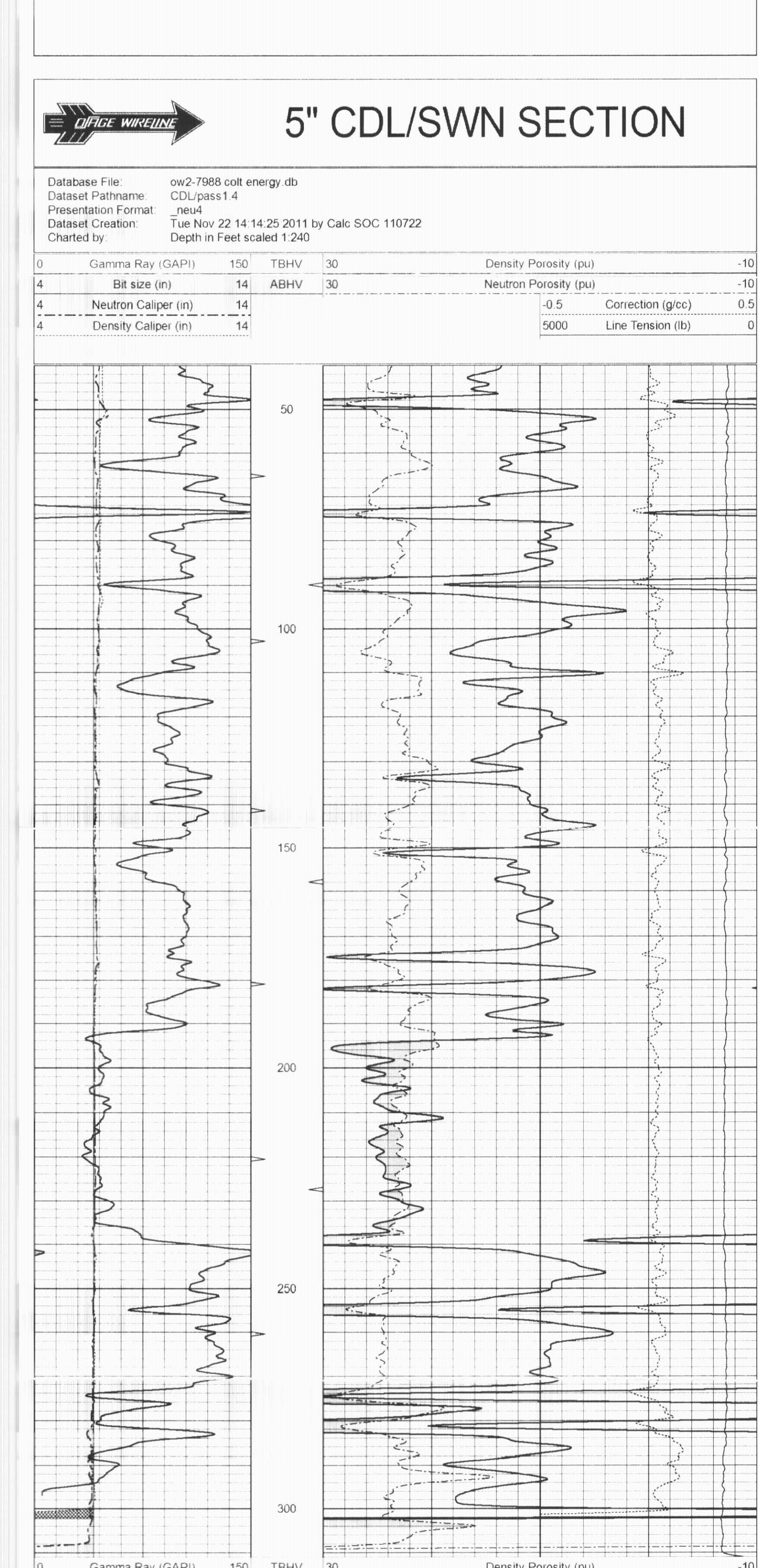
CREW : JOHNSON, ROBINSON

PERMIT # 217-22816

5" CDL/SWN SECTION

Database File: ow2-7988 colt energy.db
Dataset Pathname: CDL/pass1.4
Presentation Format: _neu4
Dataset Creation: Tue Nov 22 14:14:25 2011 by Calc SOC 110722
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				

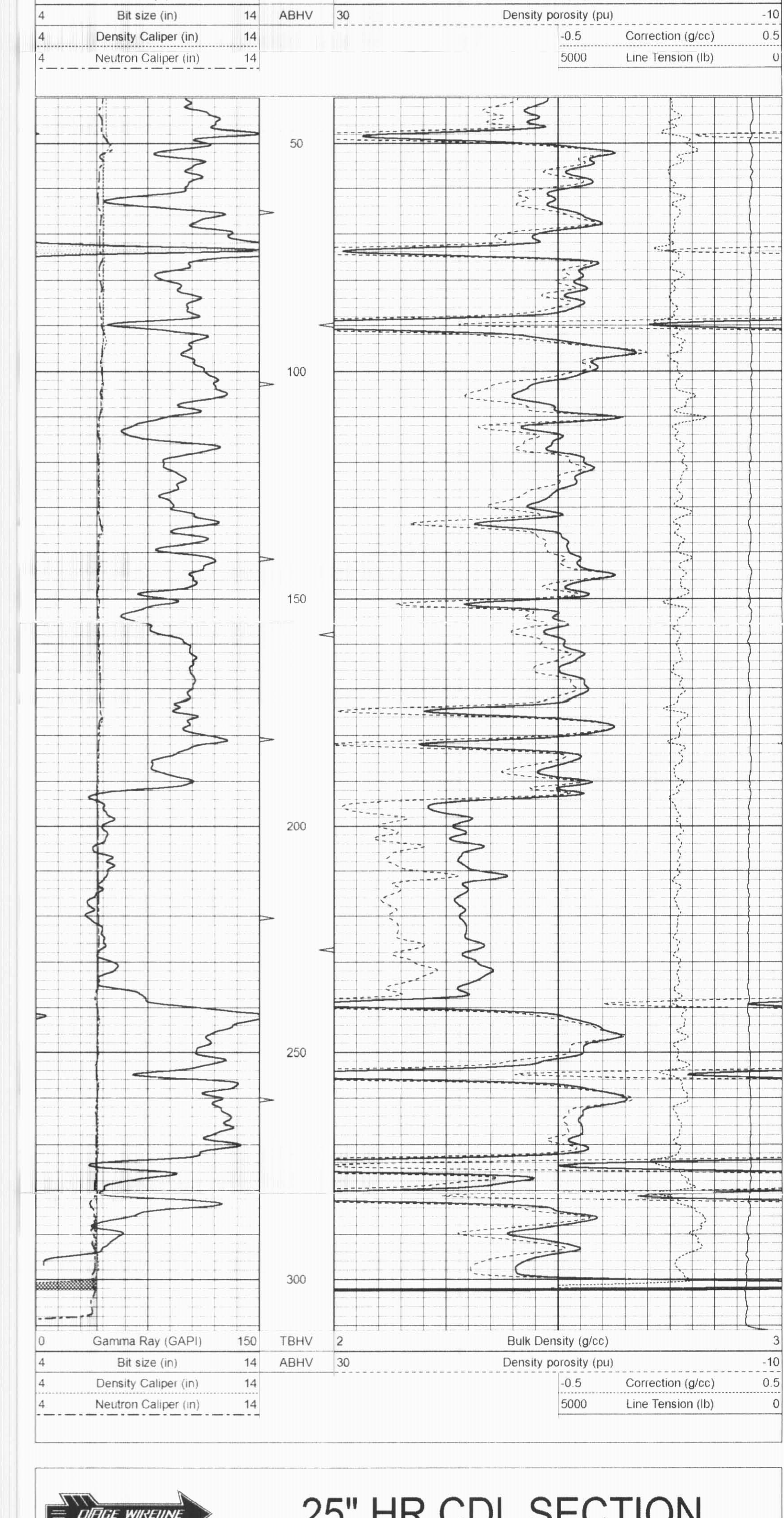


0 Gamma Ray (GAPI) 150	TBHV	30 Density Porosity (pu) -10
4 Bit size (in) 14	ABHV	30 Neutron Porosity (pu) -10
4 Neutron Caliper (in) 14		-0.5 Correction (g/cc) 0.5
4 Density Caliper (in) 14		5000 Line Tension (lb) 0

5" CDL SECTION

Database File: ow2-7988 colt energy.db
Dataset Pathname: CDL/pass1.3
Presentation Format: bulk4
Dataset Creation: Tue Nov 22 14:13:22 2011 by Calc SOC 110722
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



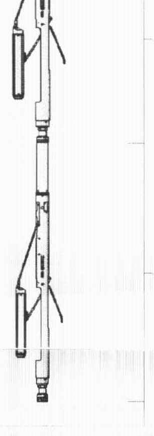
0 Gamma Ray (GAPI) 150	TBHV	2 Bulk Density (g/cc) 3
4 Bit size (in) 14	ABHV	30 Density porosity (pu) -10
4 Density Caliper (in) 14		-0.5 Correction (g/cc) 0.5
4 Neutron Caliper (in) 14		5000 Line Tension (lb) 0

25" HR CDL SECTION

Database File: ow2-7988 colt energy.db
Dataset Pathname: CDL/pass1.5
Presentation Format: bulk4hr
Dataset Creation: Tue Nov 22 14:14:37 2011 by Calc SOC 110722
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)	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: ow2-7988 colt energy.db: field/well/CDL/pass1
Total Length: 18.33 ft
Total Weight: 445.00 lb
O.D.: 4.00 in