217-22833

HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

CONFIDENTIAL
4/24/13

RECEIVED
APR 24 2012
Mo Oil & Gas Council

Company COLT ENERGY INC.
Well HARTH, D & T #8-20
Field
County VERNON
State MISSOURI

Company	COLT ENERGY INC.		
Well	HARTH, D & T #8-20		
Field			
County	VERNON	State	MISSOURI

Location: API # : 24-217-22833

1980' FNL & 660' FEL

SEC 20 TWP 36N RGE 33W

Other Services
DIL

Permanent Datum	GL	Elevation	842'
Log Measured From	GL		
Drilling Measured From	GL		

Elevation
K.B. ---
D.F. ---
G.L. 842'

Date	4-12-2012		
Run Number	ONE		
Depth Driller	338'		
Depth Logger	336'		
Bottom Logged Interval	334'		
Top Log Interval	SURFACE		
Casing Driller	7" @ 21'		
Casing Logger	7" @ 21'		
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	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

OW2-8116
MATRIX LIMESTONE 2.71 G/CC
ABHV COMPUTED WITH 4 1/2" CASING

CREW : JOHNSON

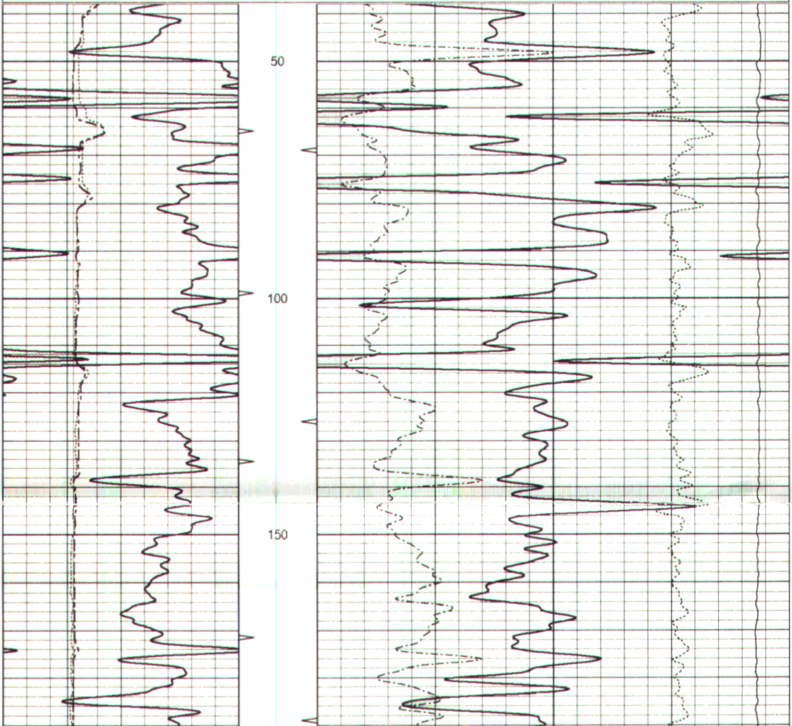
PERMIT # 217-22833

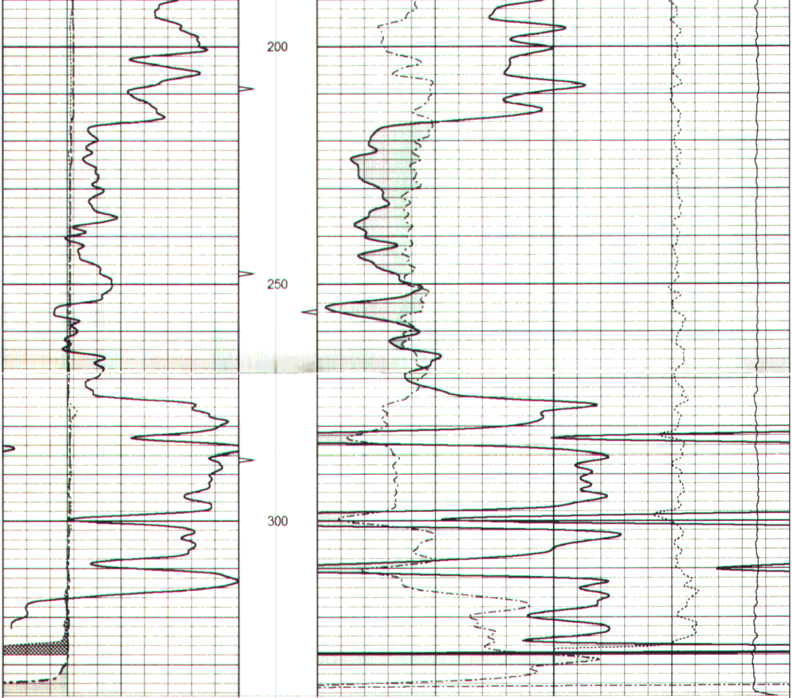
OAGE WIRELINE

5" CDL/SWN SECTION

Database File: ow2-8116 colt energy.db
Dataset Pathname: CDL/pass1.3
Presentation Format: _neu4
Dataset Creation: Thu Apr 12 08:46:36 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



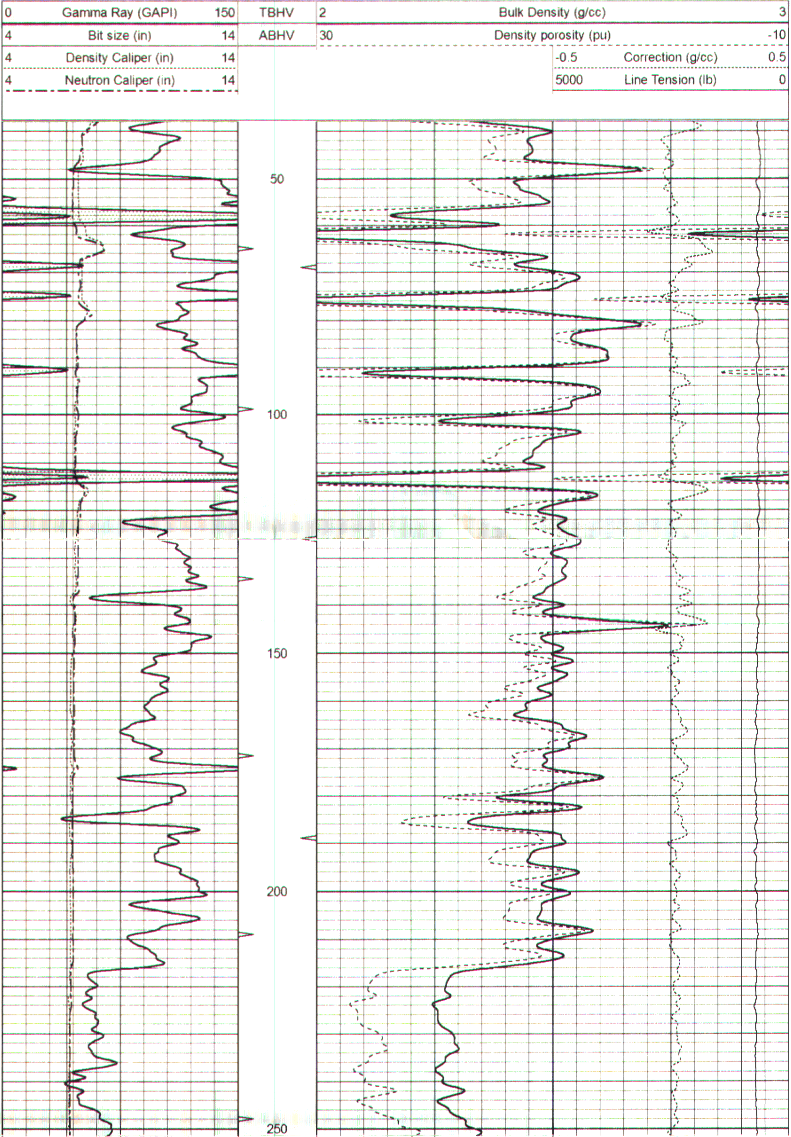


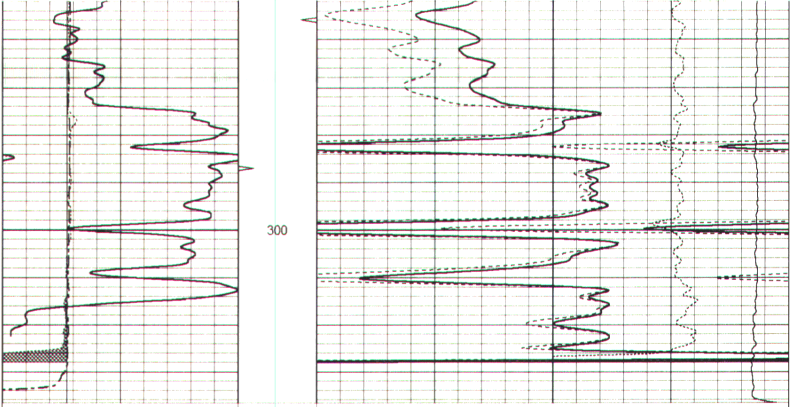
0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)	-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Neutron Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14		5000	Line Tension (lb)	0

OSAGE WIRELINE

5" CDL SECTION

Database File:	ow2-8116 colt energy.db
Dataset Pathname:	CDL/pass1.2
Presentation Format:	bulk4
Dataset Creation:	Thu Apr 12 08:46:31 2012 by Calc SOC 111108
Charted by:	Depth in Feet scaled 1:240





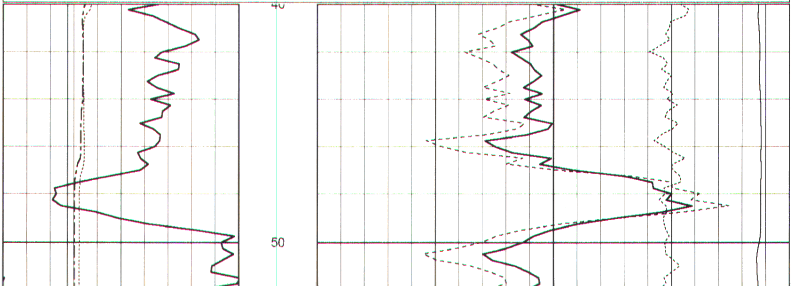
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Density Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14		5000	Line Tension (lb)	0

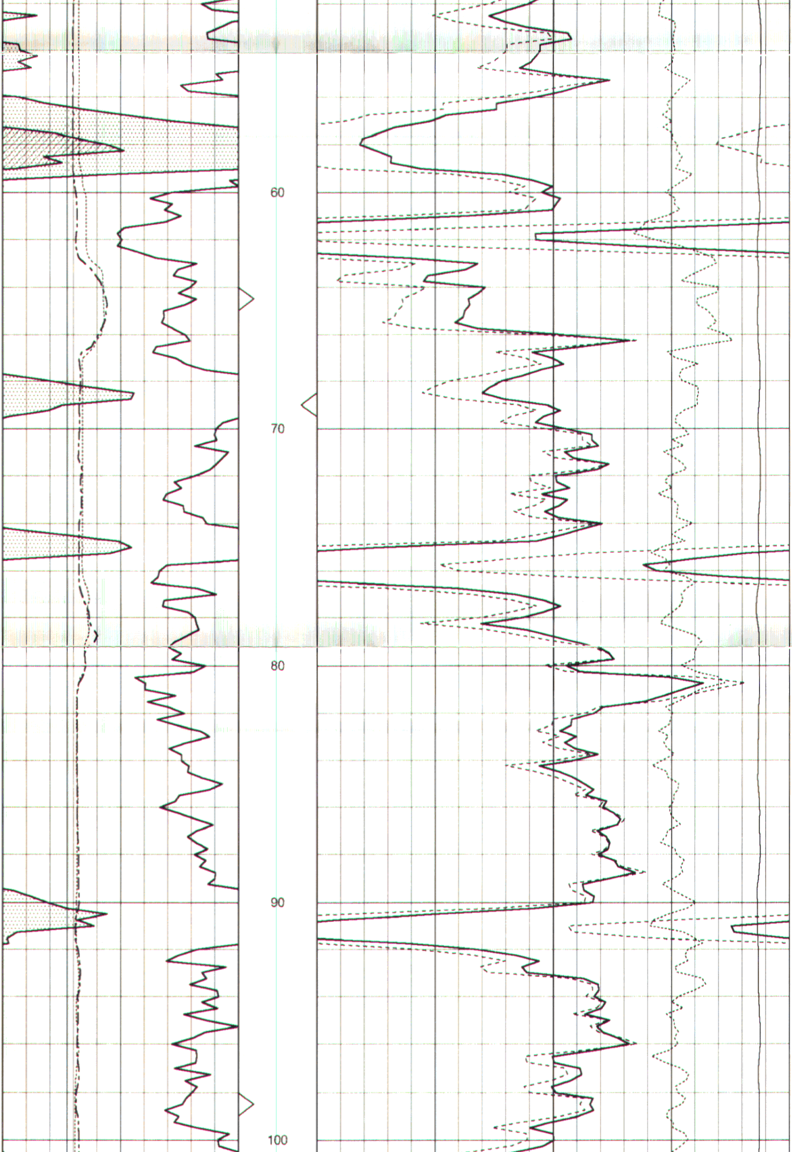
OSAGE WIRELINE

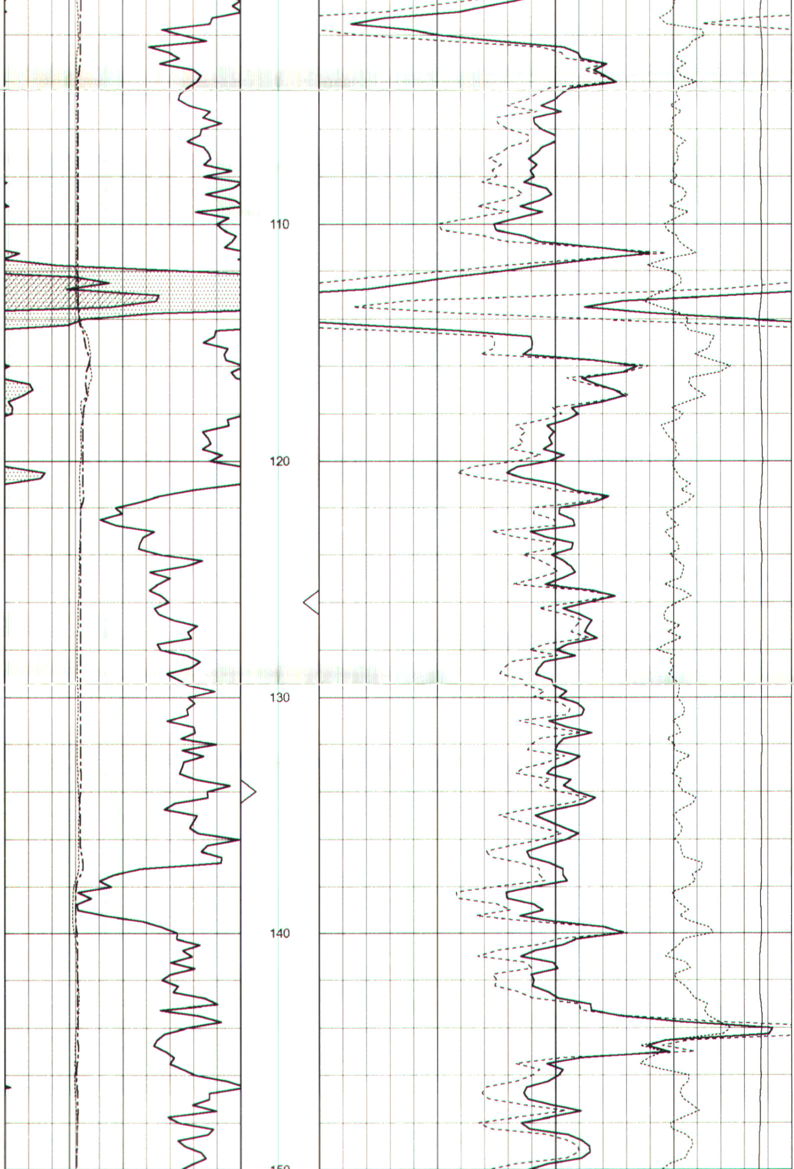
25" HR CDL SECTION

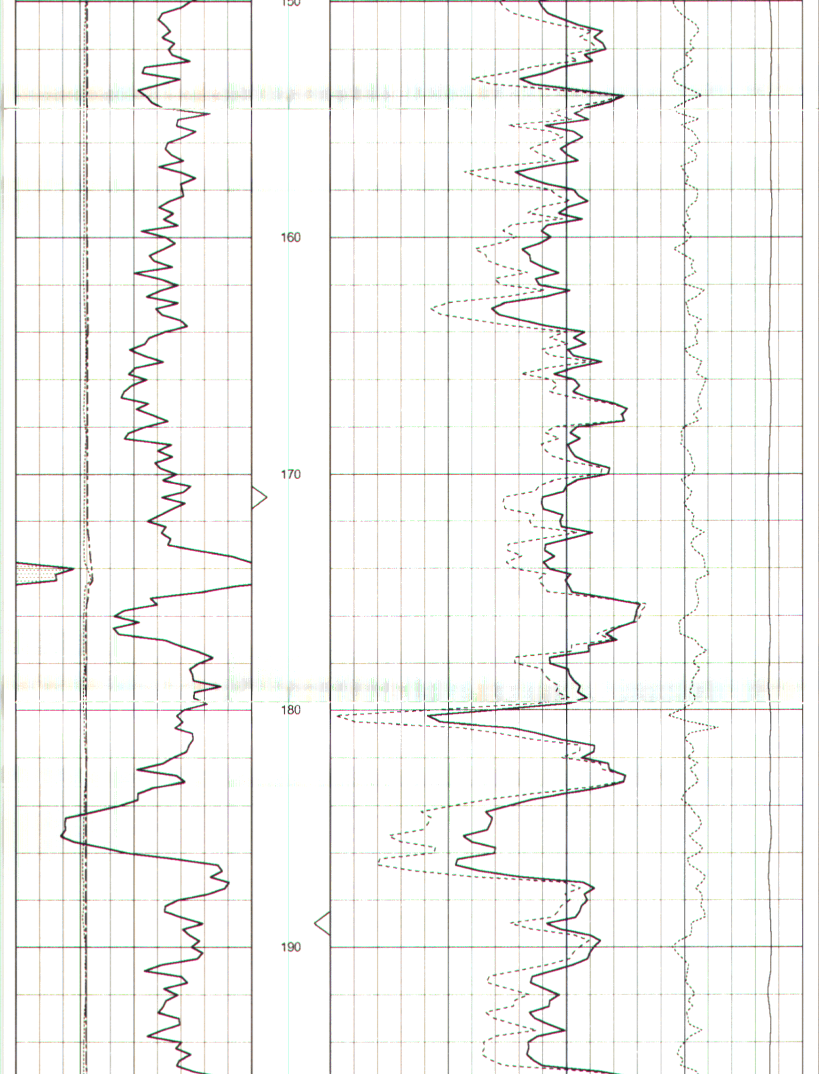
Database File:	ow2-8116 colt energy.db
Dataset Pathname:	CDL/pass1.4
Presentation Format:	bulk4hr
Dataset Creation:	Thu Apr 12 08:46:50 2012 by Calc SOC 111108
Charted by:	Depth in Feet scaled 1:48

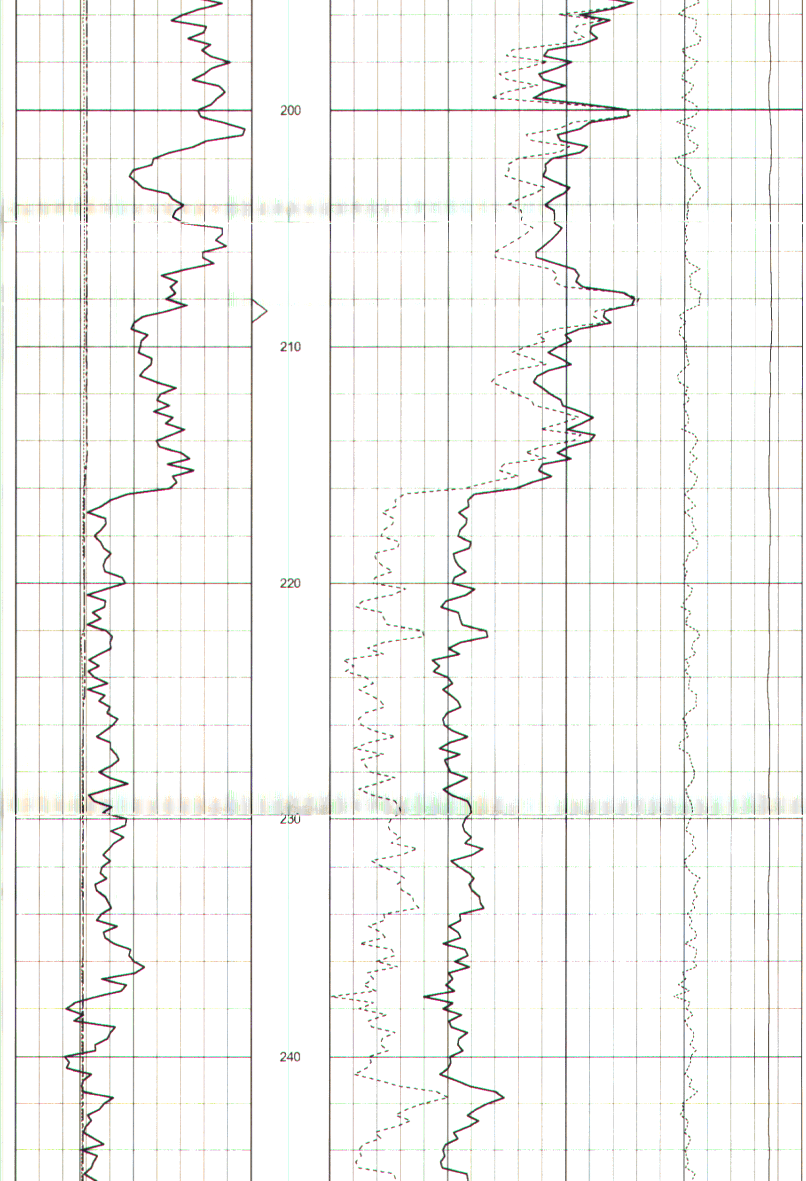
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Density Caliper (in)	14		-0.5	Correction (g/cc)	0.5
4	Neutron Caliper (in)	14		5000	Line Tension (lb)	0

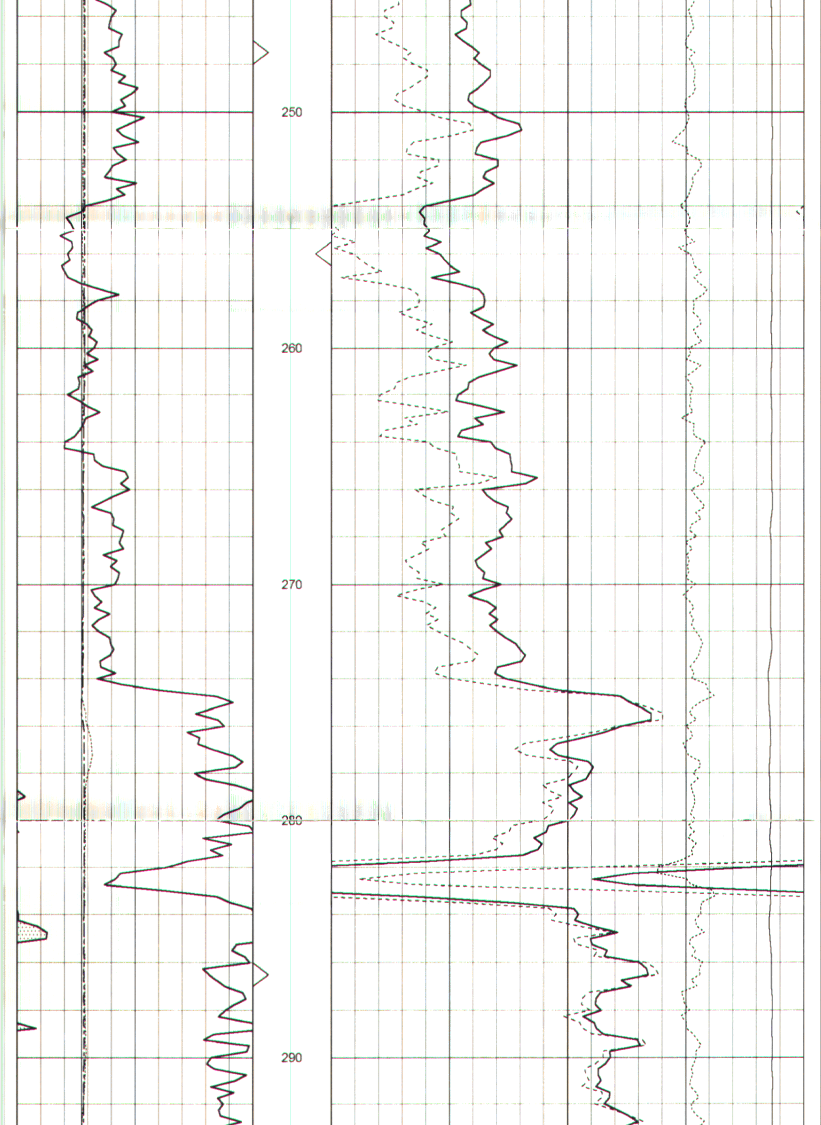


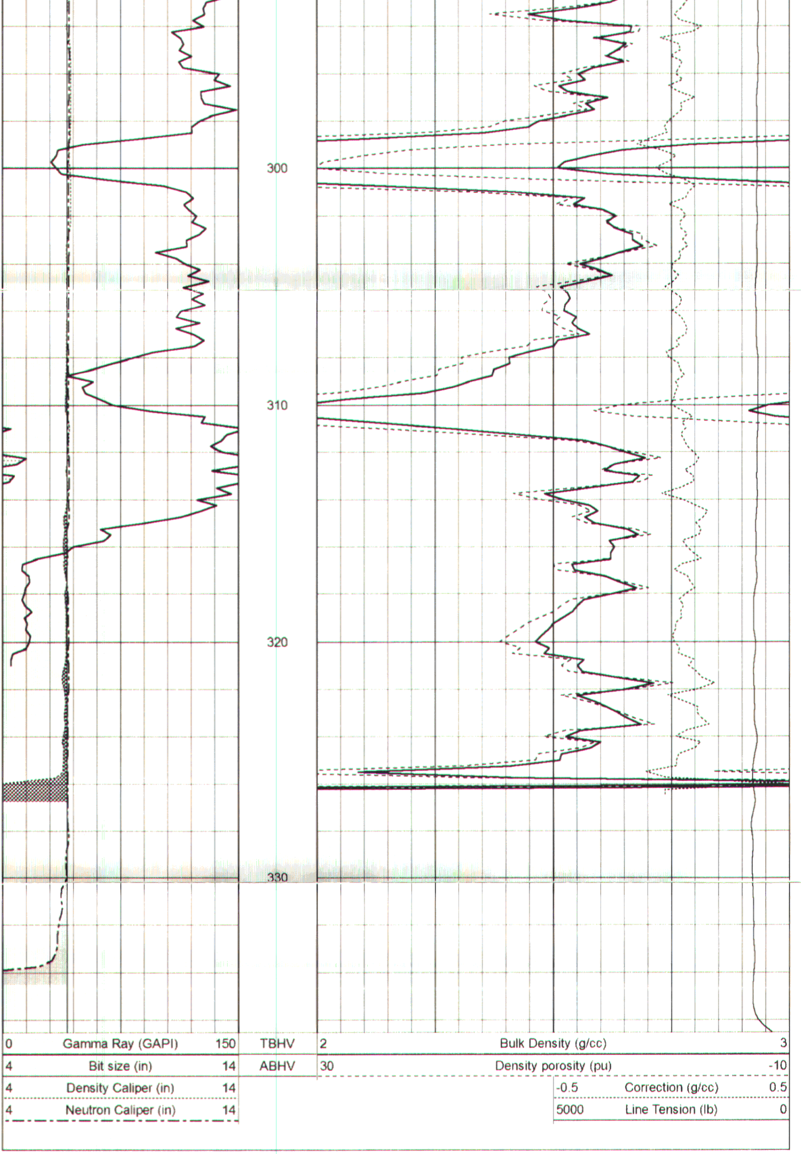


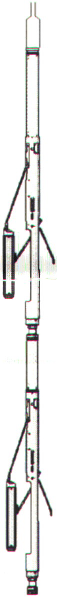










Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CableHead Isulation Sub	1.42	3.00	20.00
GR	16.06		Gamma-Oilex3006 (3006) Gamma Ray Section	2.81	3.50	75.00
LSD DCAL SSD	10.44 10.15 9.98		Density-Oilex3006 (280) Density Section	6.29	4.00	200.00
SCAL NEU SWN	2.54 2.15 2.15		Neutron-Sidewall3015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

Dataset:	ow2-8116 colt energy.db: field/well/CDL/pass1
Total Length:	18.33 ft
Total Weight:	445.00 lb
O.D.	4.00 in