PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON

Company	Omimex Petroleum Inc.
Well	Sagehorn 12-34-6-45
Field	Ballyneal
County	Phillips
State	Colorado

Company Omimex Petroleum Inc.
Well Sagehorn 12-34-6-45
Field Ballyneal
County Phillips State Colorado
Location: API #: 05-095-06470
2166' FSL & 597' FWL NWSW
SEC 34 TWP 6N RGE 45W

Other Services
None

Permanent Datum	GL	Elevation	3797
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 3803
D.F. 3802
G.L. 3797

Date	December 12, 2014		
Run Number	1		
Depth Driller	2700		
Depth Logger	2700		
Bottom Logged Interval	2700		
Top Log Interval	Casing		
Casing Driller	487		
Casing Logger	487		
Bit Size	6-1/4"		
Type Fluid in Hole	WBM		
Density / Viscosity	8.8 / 28		
pH / Fluid Loss	8.0 / 4.8		
Source of Sample	Mudpit		
Rm @ Meas. Temp	0.30 @ 50 F		
Rmf @ Meas. Temp	0.23 @ 50 F		
Rmc @ Meas. Temp	0.38 @ 50 F		
Source of Rmf / Rmc	Calc / Calc		
Rm @ BHT	0.15 @ 100 F		
Time Circulation Stopped	12:30		
Time Logger on Bottom	21:45		
Maximum Recorded Temperature	100 F		
Equipment Number	48		
Location	Ft. Morgan, CO		
Recorded By	Clint Christensen		
Witnessed By	Paul Dekaye		

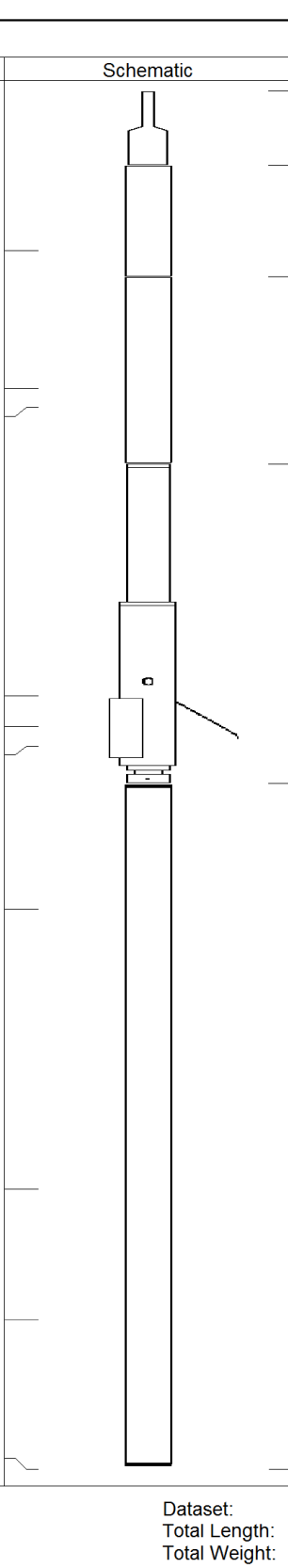
<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

Annular volume calculated for 4.5" casing
Excell Drilling Rig 2
Thank you for using Pioneer Energy Services.

SO# 2-013832

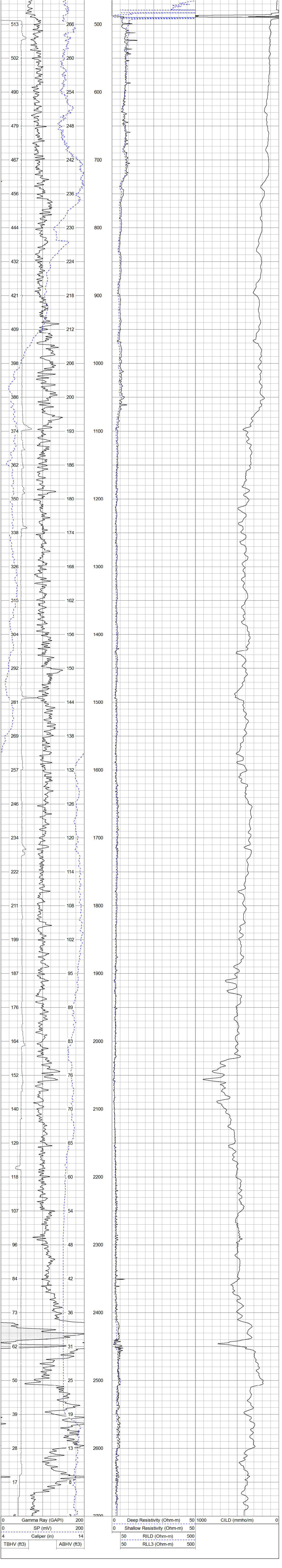


Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CHD (~0)	2.00	3.50	30.00
GR	0.00	GR-PSI (43)	2.92	3.50	40.00
CNLSC CNSSC	-3.67 -4.17	CNT-PSI (853)	5.00	3.50	70.00
DCAL LSD SSD	-11.84 -12.67 -13.17	CDL-PSI (771)	8.50	5.00	285.00
RLL3 CILD CILM SP	-17.52 -24.97 -28.42 -32.42	DIL-PSI (860)	18.25	3.75	175.00

Dataset: 13832.db: field/well/run1/Final
Total Length: 36.67 ft
Total Weight: 600.00 lb
O.D. 5.00 in

Database File: 13832.db
Dataset Pathname: Final
Presentation Format: dilin60
Dataset Creation: Fri Dec 12 23:30:53 2014
Charted by: Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 200	0 Deep Resistivity (Ohm-m) 50	1000 CILD (mmho/m) 0
0 SP (mV) 200	0 Shallow Resistivity (Ohm-m) 50	
4 Caliper (in) 14	50 RILD (Ohm-m) 500	
TBHV (ft3) ABHV (ft3)	50 RLL3 (Ohm-m) 500	



0 Gamma Ray (GAPI) 200	0 Deep Resistivity (Ohm-m) 50	1000 CILD (mmho/m) 0
0 SP (mV) 200	0 Shallow Resistivity (Ohm-m) 50	
4 Caliper (in) 14	50 RILD (Ohm-m) 500	
TBHV (ft3) ABHV (ft3)	50 RLL3 (Ohm-m) 500	

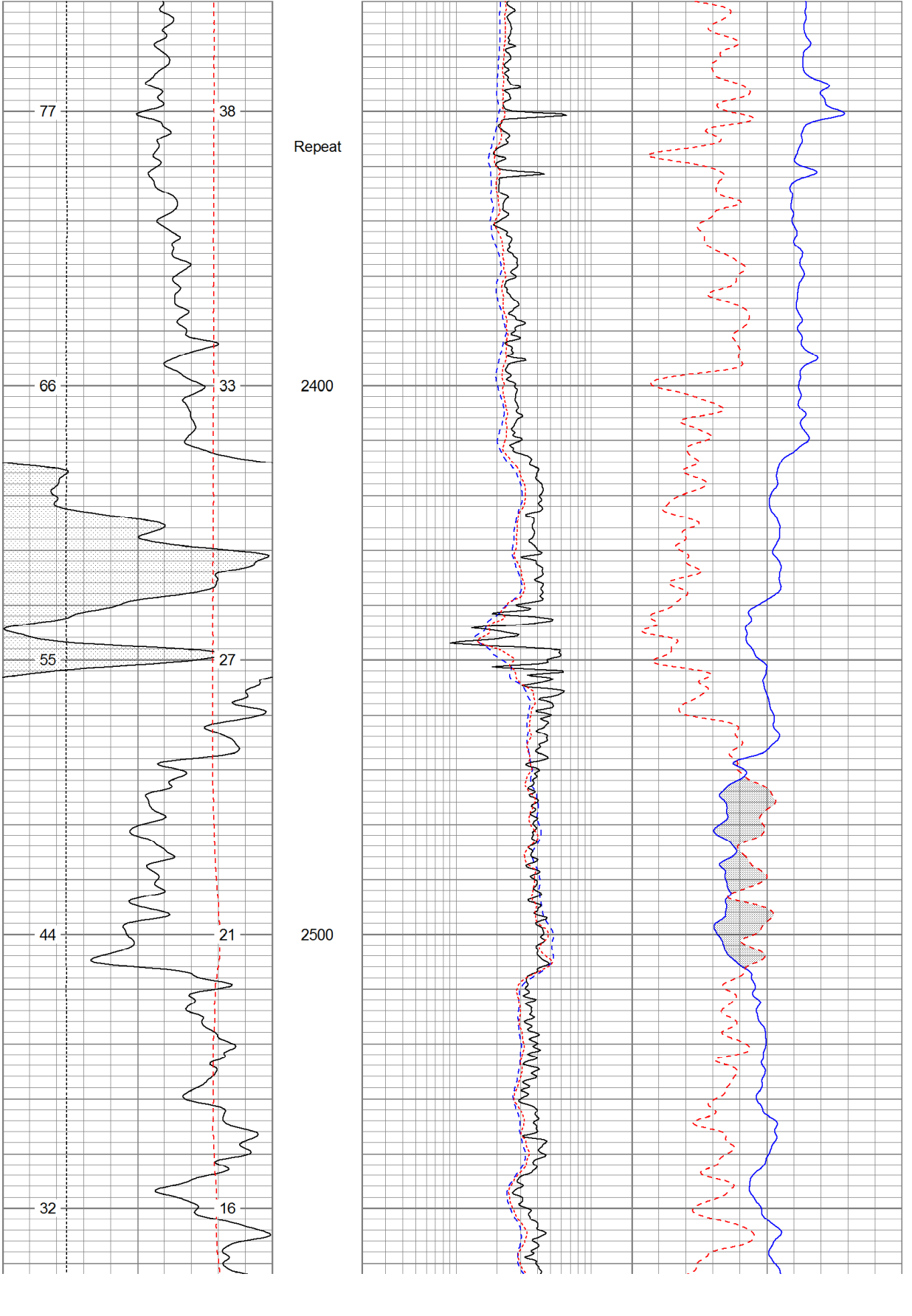
Database File: 13832.db
Dataset Pathname: Final
Presentation Format: pdce
Dataset Creation: Fri Dec 12 23:30:53 2014
Charted by: Depth in Feet scaled 1:240

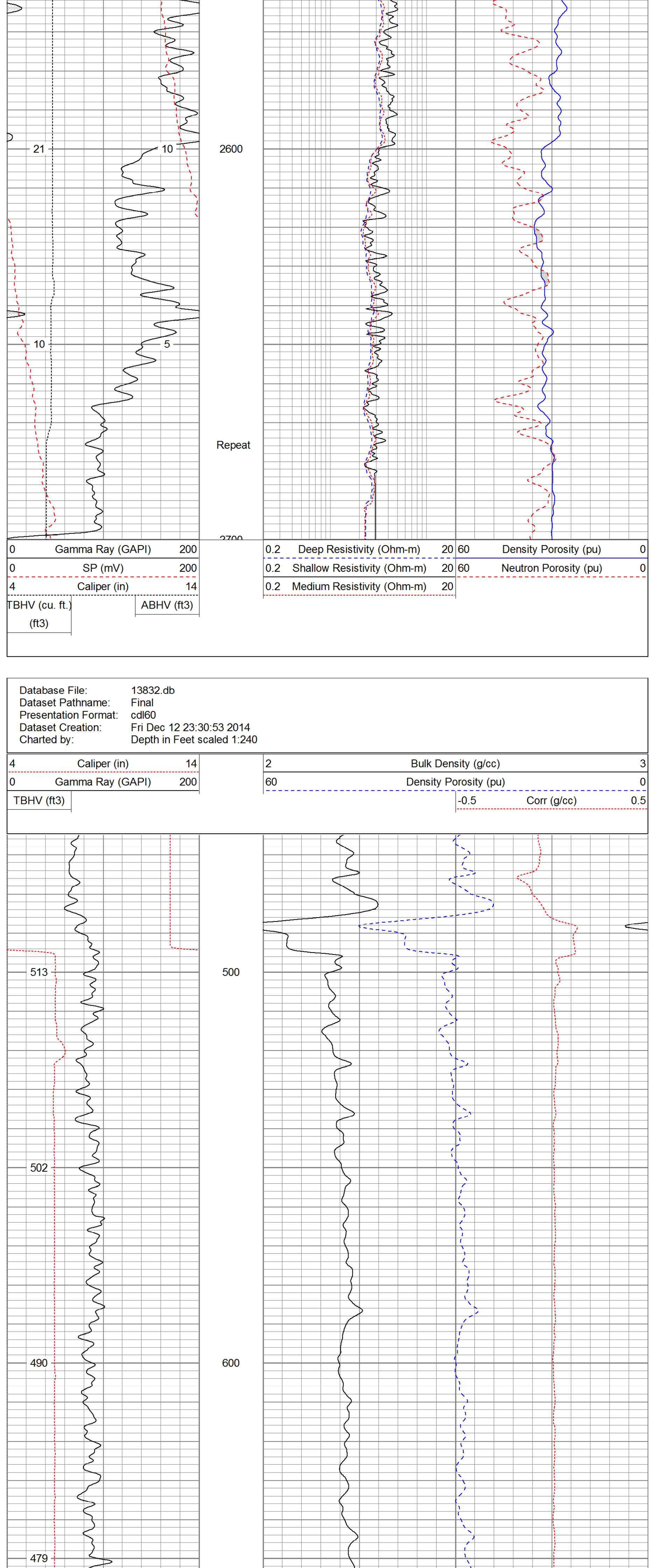
0 Gamma Ray (GAPI) 200	0.2 Deep Resistivity (Ohm-m) 20	60 Density Porosity (pu) 0
0 SP (mV) 200	0.2 Shallow Resistivity (Ohm-m) 20	60 Neutron Porosity (pu) 0
4 Caliper (in) 14	0.2 Medium Resistivity (Ohm-m) 20	
TBHV (cu. ft.) (ft3) ABHV (ft3)		

0 Gamma Ray (GAPI) 200	0.2 Deep Resistivity (Ohm-m) 20	60 Density Porosity (pu) 0
0 SP (mV) 200	0.2 Shallow Resistivity (Ohm-m) 20	60 Neutron Porosity (pu) 0
4 Caliper (in) 14	0.2 Medium Resistivity (Ohm-m) 20	
TBHV (cu. ft.) (ft3) ABHV (ft3)		

Database File: 13832.db
Dataset Pathname: pass3.1
Presentation Format: pdce
Dataset Creation: Fri Dec 12 22:08:59 2014 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200	0.2 Deep Resistivity (Ohm-m) 20	60 Density Porosity (pu) 0
0 SP (mV) 200	0.2 Shallow Resistivity (Ohm-m) 20	60 Neutron Porosity (pu) 0
4 Caliper (in) 14	0.2 Medium Resistivity (Ohm-m) 20	
TBHV (cu. ft.) (ft3) ABHV (ft3)		





Database File: 13832.db
Dataset Pathname: Final
Presentation Format: cdl60
Dataset Creation: Fri Dec 12 23:30:53 2014
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: 13832.db
Dataset Pathname: pass2
Dataset Creation: Fri Dec 12 21:31:25 2014 by Log Open-Cased 110302

Dual Induction Calibration Report

Serial-Model: 860-PSI
Surface Cal Performed:

Loop:	Readings Air	Readings Loop	References Air	References Loop		Results m	Results b
Deep	0.000	1.000	0.000	1.000	mmho/m	0.630	-46.000
Medium	0.000	1.000	0.000	1.000	mmho/m	0.410	-31.000

Compensated Density Calibration Report

Serial-Model: 771-PSI
Master Calibration Performed: Tue Nov 04 10:58:33 2014

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	6323.60	8557.33	cps
Aluminum	2.690	g/cc	1148.13	5455.46	cps

	Size	Reading
Small Ring	in	
Medium Ring	in	
Large Ring	in	

Compensated Neutron Calibration Report

Serial Number: 853
Tool Model: PSI

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.9000
Long Space	1.00	cps	1.00	cps	1.9200

Gamma Ray Calibration Report

Serial Number: 43
Tool Model: PSI
Performed: Mon Oct 13 15:51:03 2014

Calibrator Value: 275.0 GAPI

Background Reading: 32.0 cps
Calibrator Reading: 340.0 cps

Sensitivity: 0.6100 GAPI/cps