PIONEER
Pioneer Energy Services

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company Wiepking-Fullerton Energy LLC
Well Easy Go #6
Field Wildcat
County Lincoln
State Colorado

Company	**Wiepking-Fullerton Energy LLC**		
Well	**Easy Go #6**		
Field	**Wildcat**		
County	**Lincoln**	**State**	**Colorado**

Location: API # : 05073065510000

2020' FNL & 1958' FWL
SE NW

SEC 15 TWP 6S RGE 54W

Permanent Datum	GL	Elevation	5235
Log Measured From	KB		
Drilling Measured From	KB		

Other Services
Dual
Induction

Elevation
K.B. 5248
D.F. 5247
G.L. 5235

Date	November 28, 2013		
Run Number	1		
Depth Driller	8259		
Depth Logger	8259		
Bottom Logged Interval	8239		
Top Log Interval	2000		
Casing Driller	313		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.1 / 75		
pH / Fluid Loss	9.5 / 7.2		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.57 @ 60 F		
Rmf @ Meas. Temp	1.18 @ 60 F		
Rmc @ Meas. Temp	1.96 @ 60 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.48 @ 195 F		
Time Circulation Stopped	0230		
Time Logger on Bottom	0930		
Maximum Recorded Temperature	195 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Clint Christensen		
Witnessed By	Gregg Smith		

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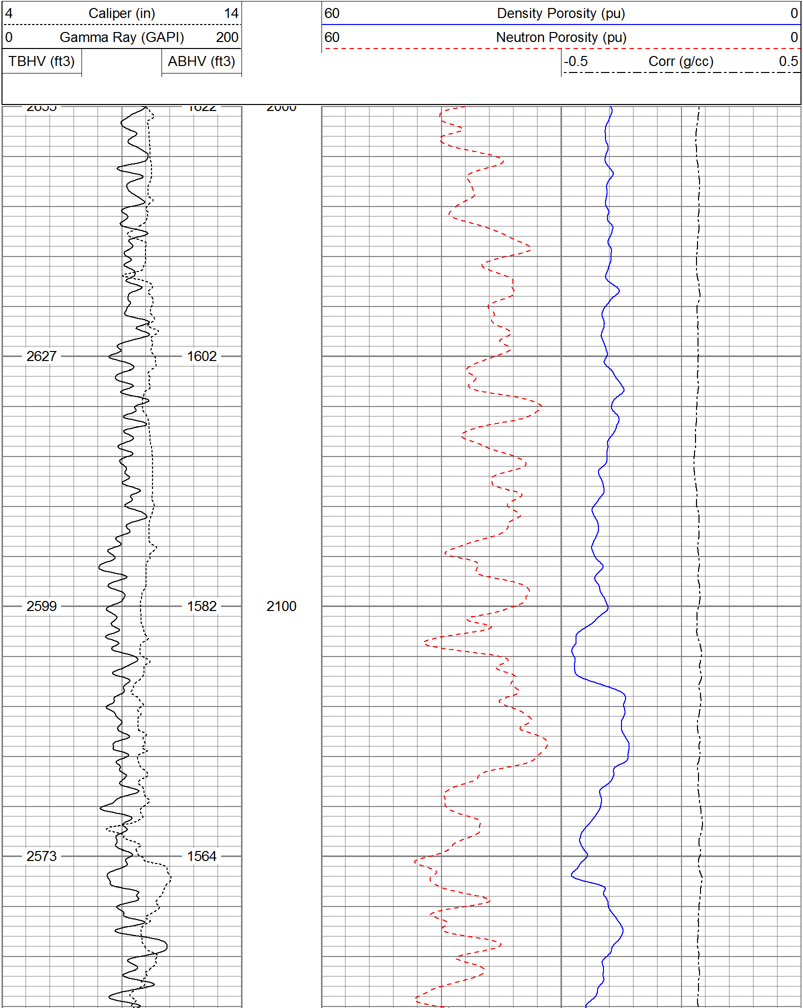
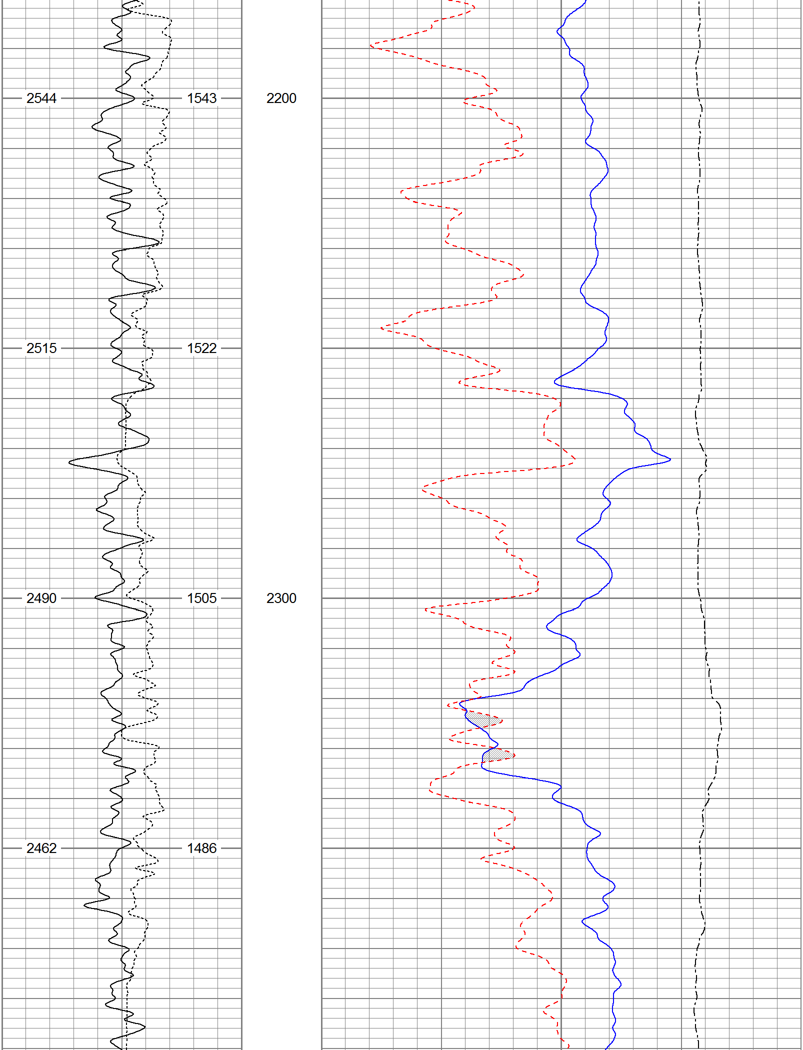
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

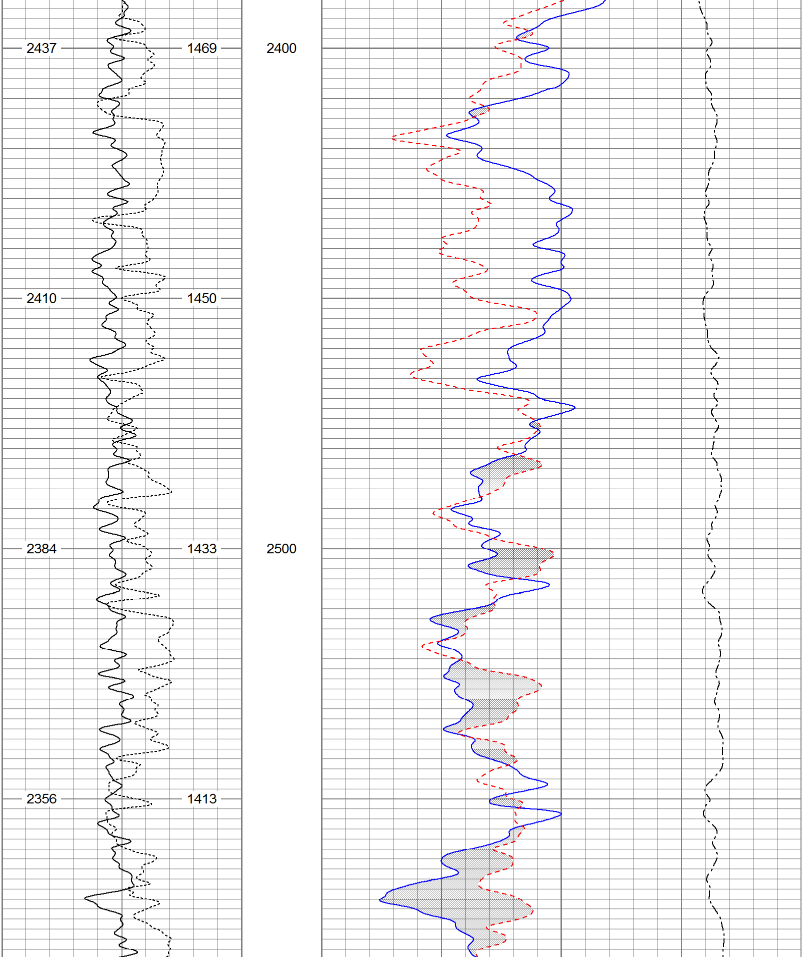
Comments

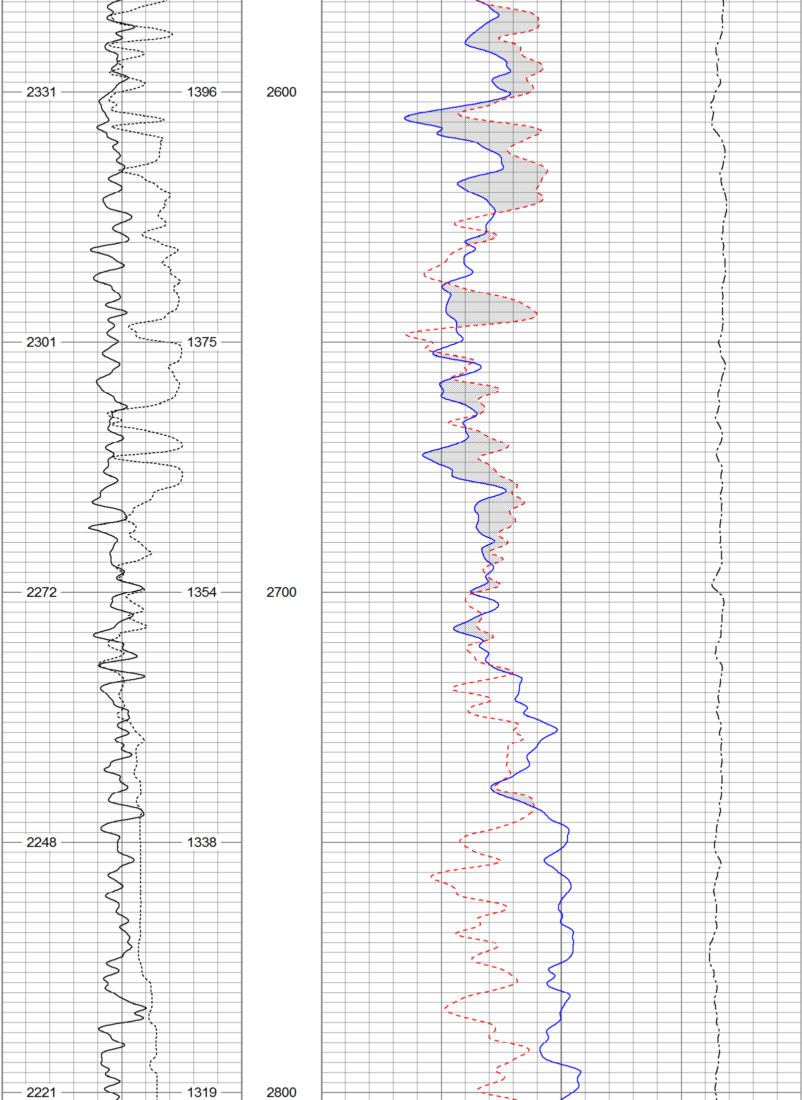
Annular volume calculated for 5.5" casing
Murfin Drilling Rig 25
Thank you for using Pioneer Energy Services

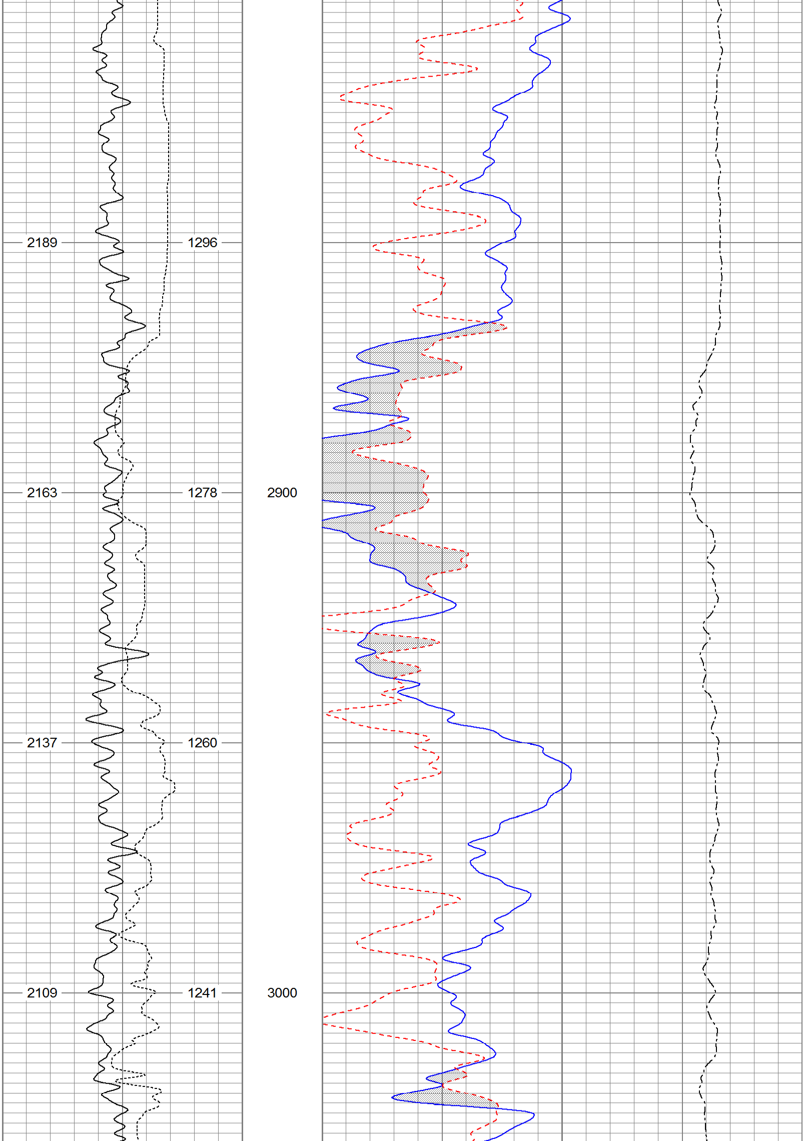
Database File: 13384.db
Dataset Pathname: final
Presentation Format: poro60
Dataset Creation: Thu Nov 28 10:53:52 2013
Charted by: Depth in Feet scaled 1:240

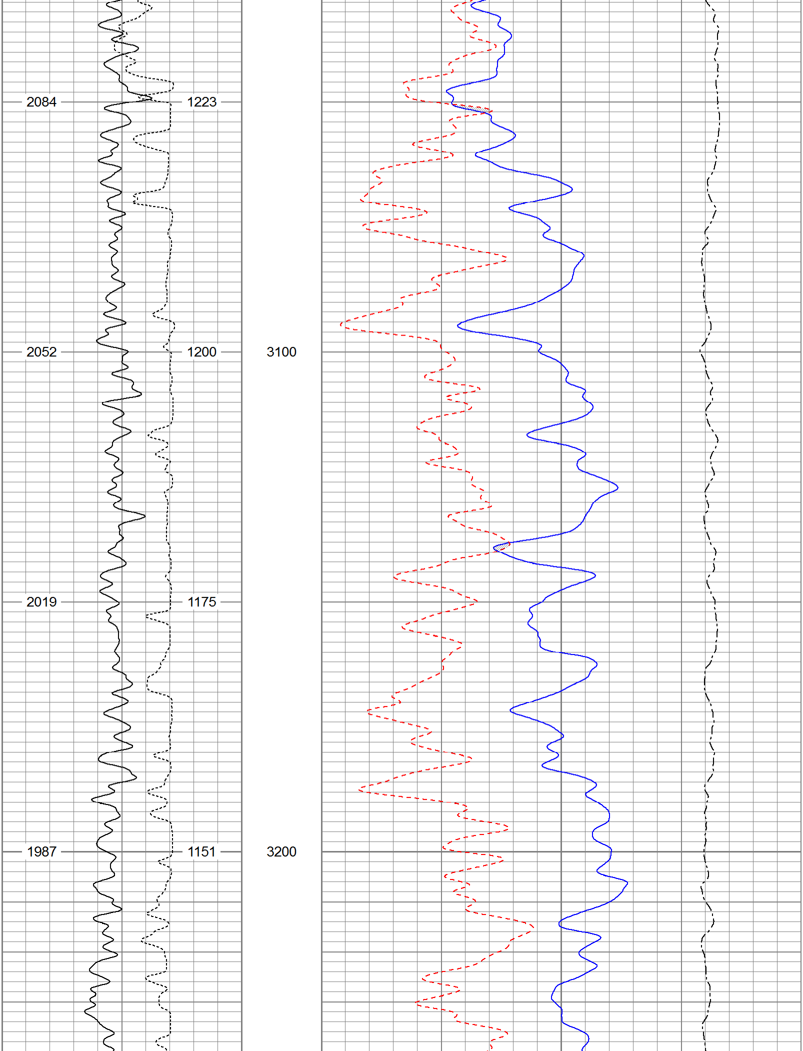


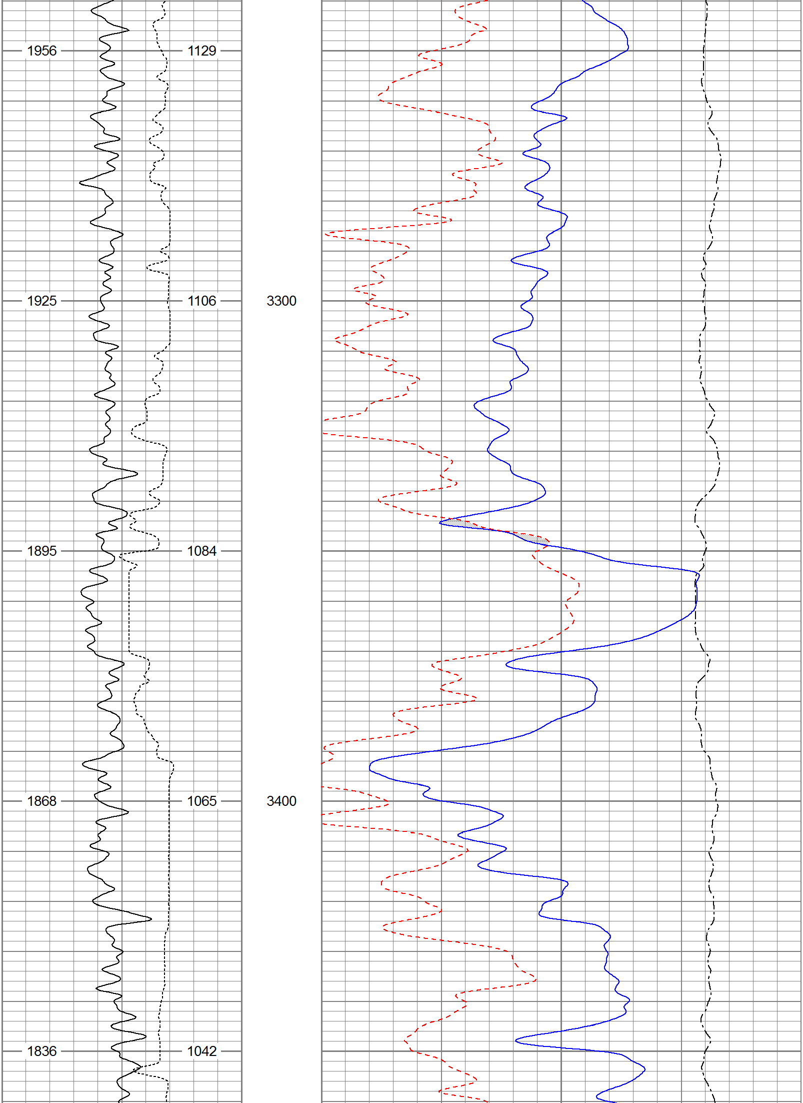


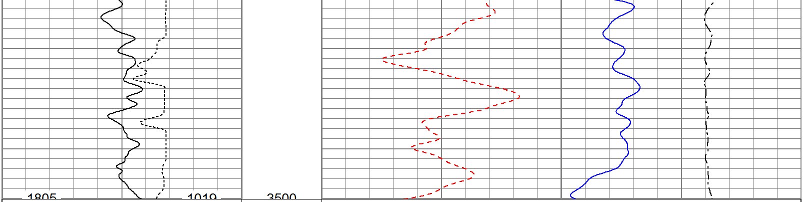












4 Caliper (in) 14

0 Gamma Ray (GAPI) 200

TBHV (ft3) ABHV (ft3)

60 Density Porosity (pu) 0

60 Neutron Porosity (pu) 0

-0.5 Corr (g/cc) 0.5

Database File:	13384.db
Dataset Pathname:	final
Presentation Format:	poro
Dataset Creation:	Thu Nov 28 10:53:52 2013
Charted by:	Depth in Feet scaled 1:240

6 Caliper (in) 16

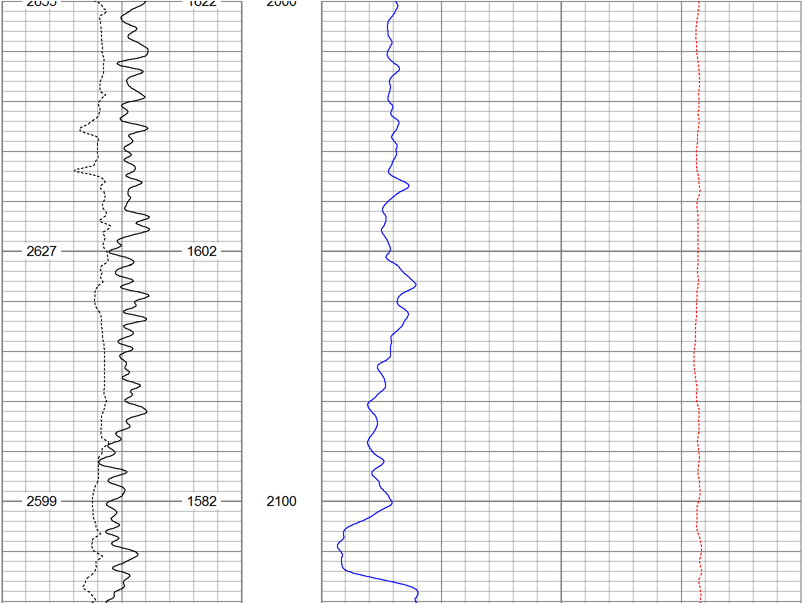
0 Gamma Ray (GAPI) 200

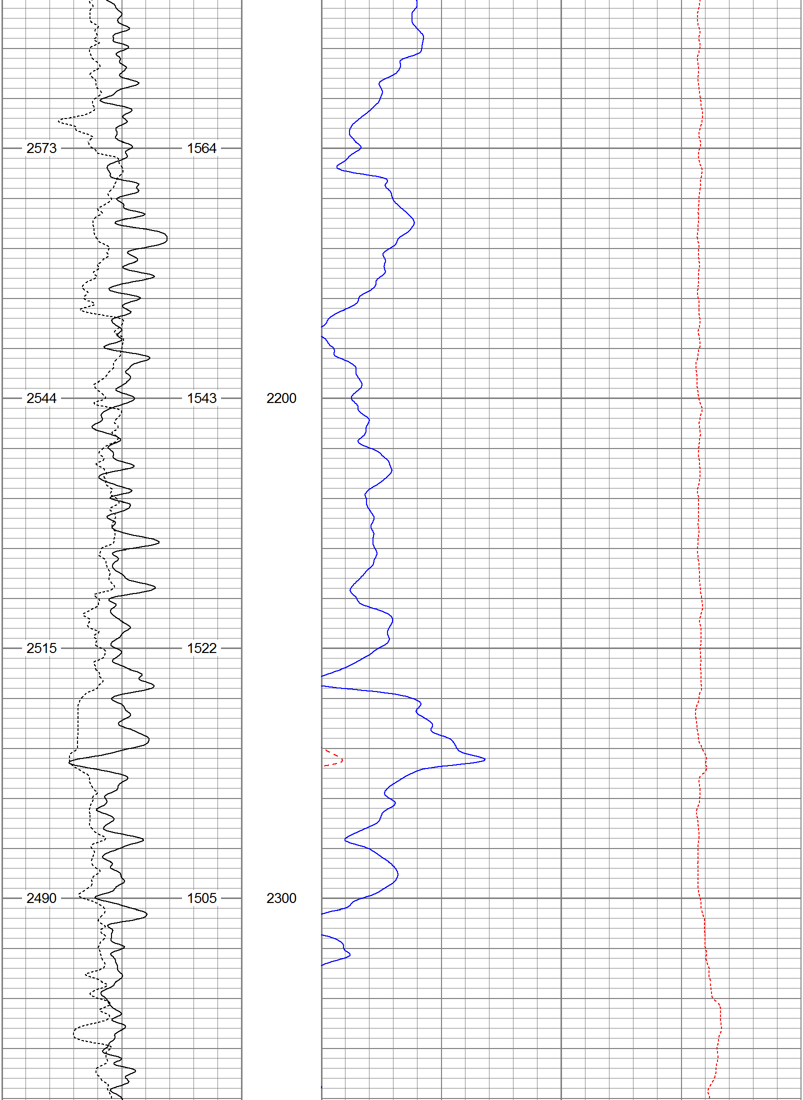
TBHV (ft3) ABHV (ft3)

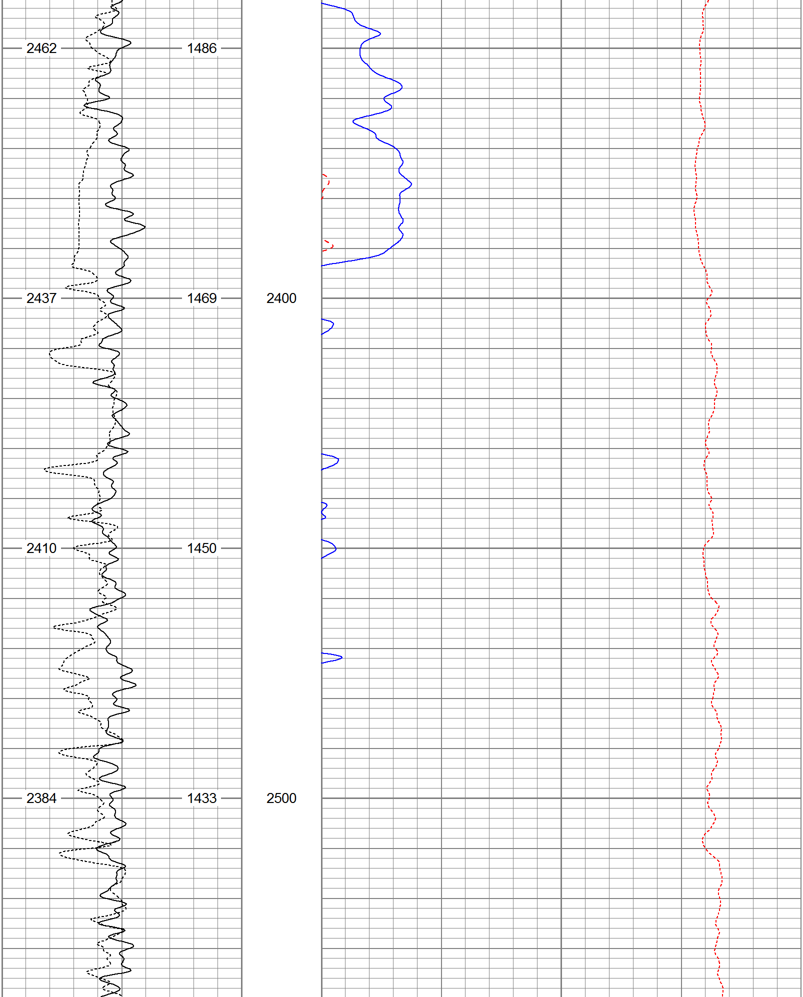
30 Density Porosity (pu) -10

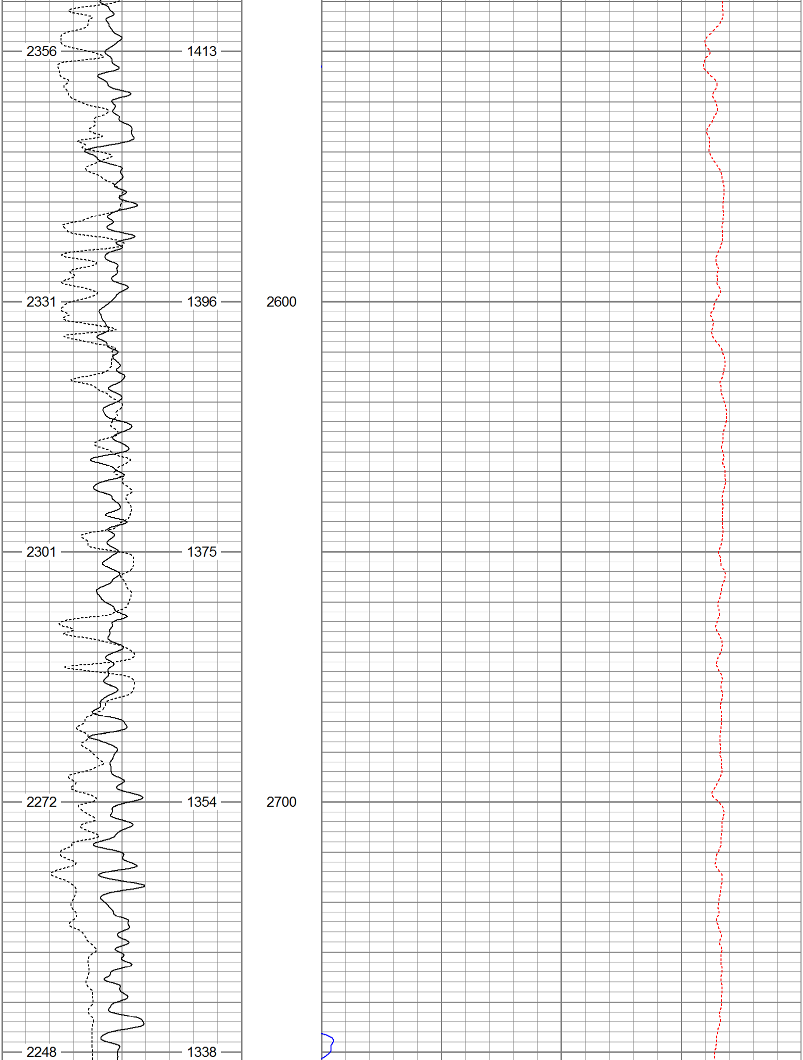
30 Neutron Porosity (pu) -10

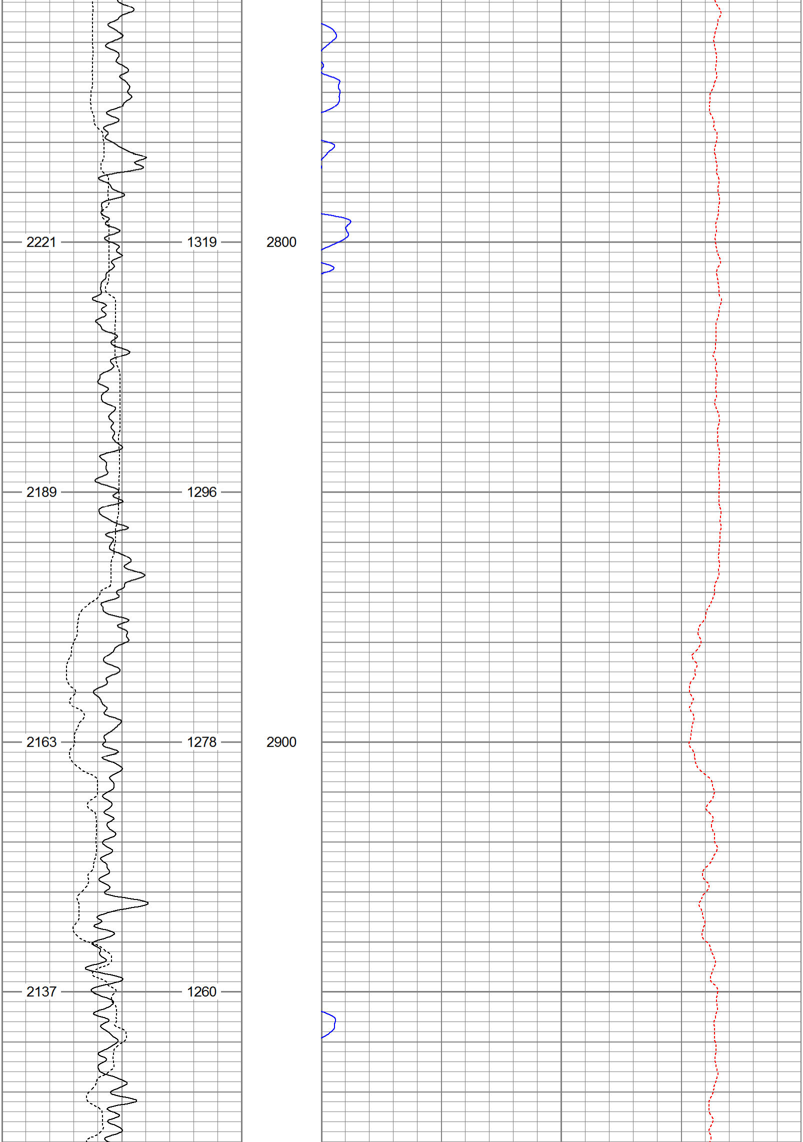
-0.5 Correction (g/cc) 0.5

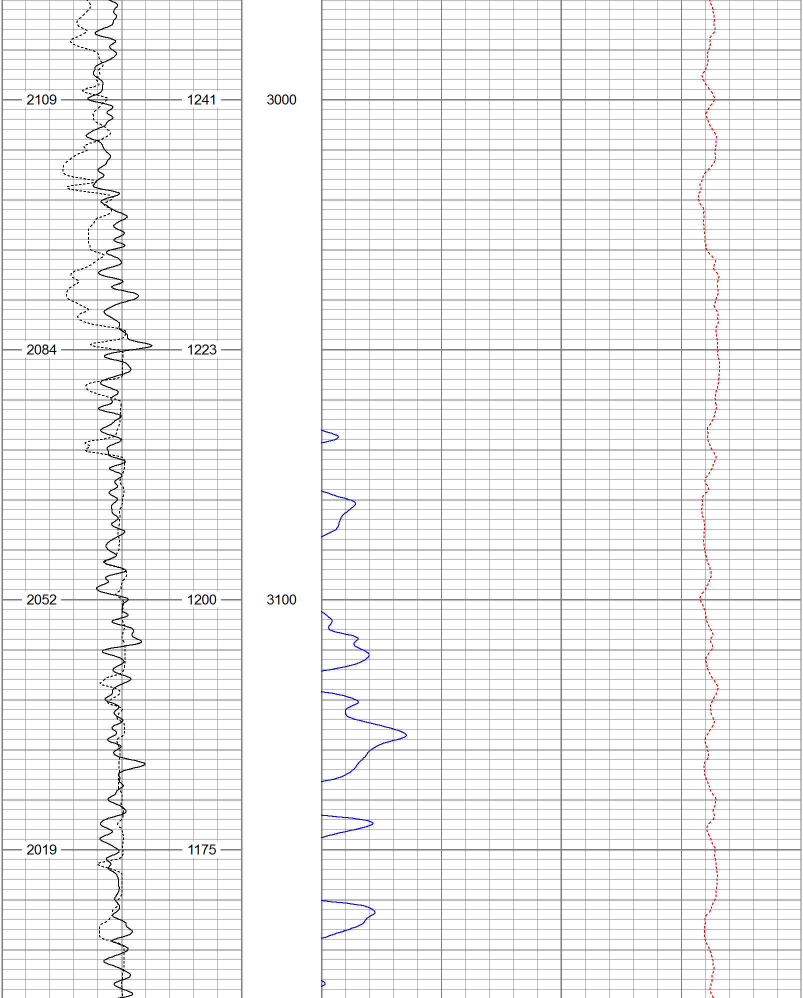


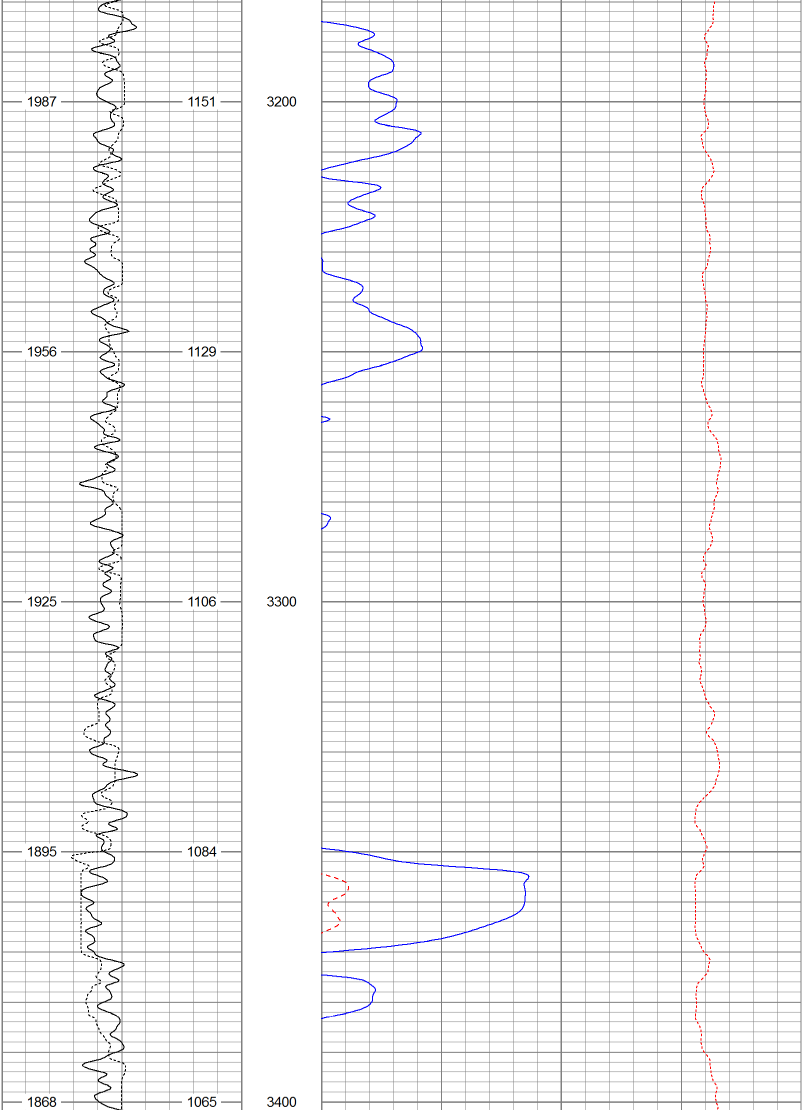


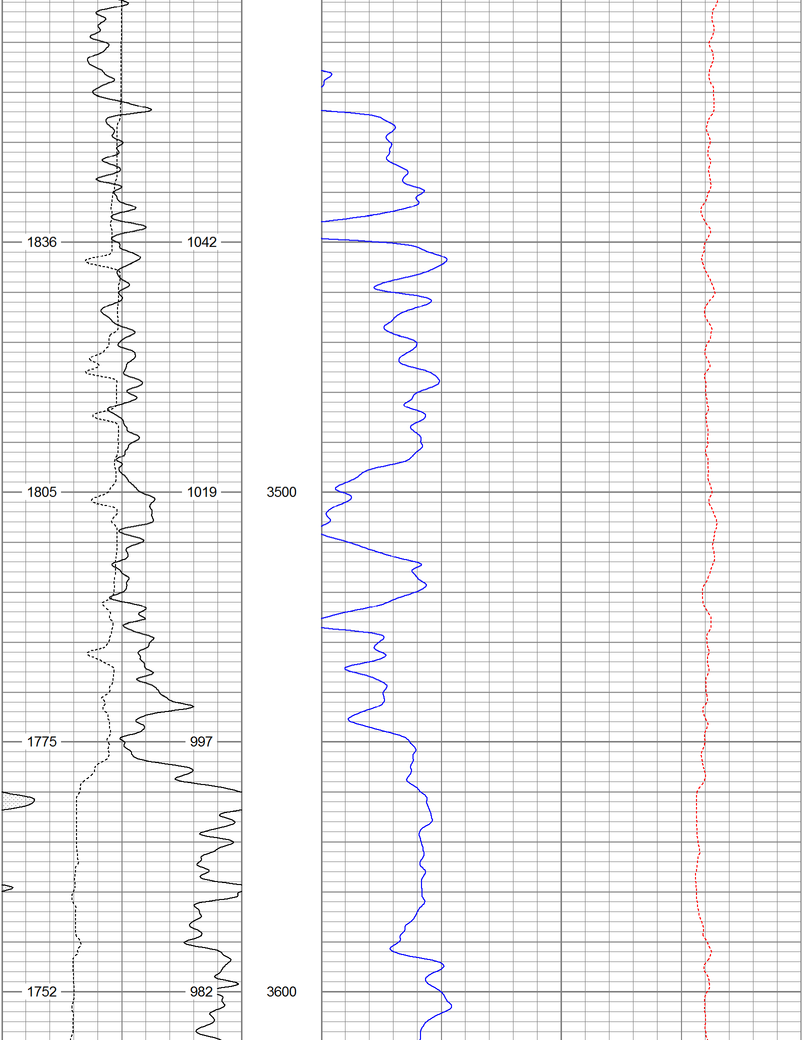


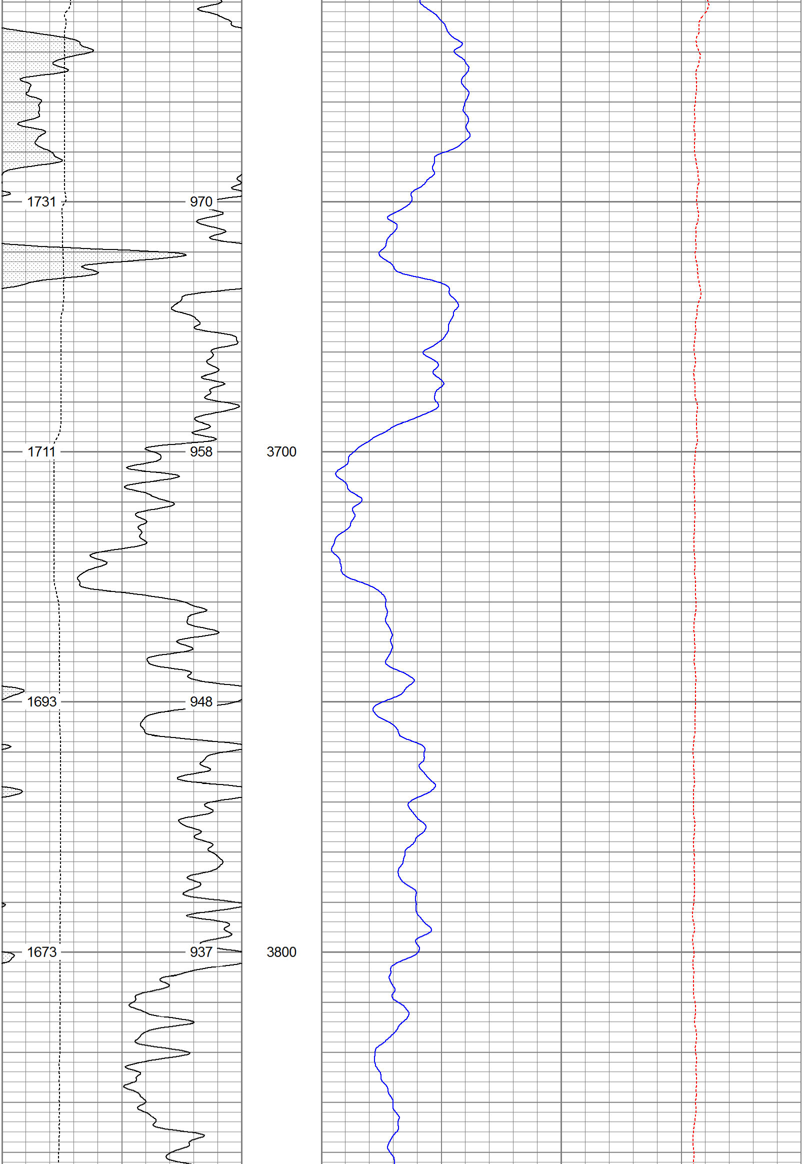


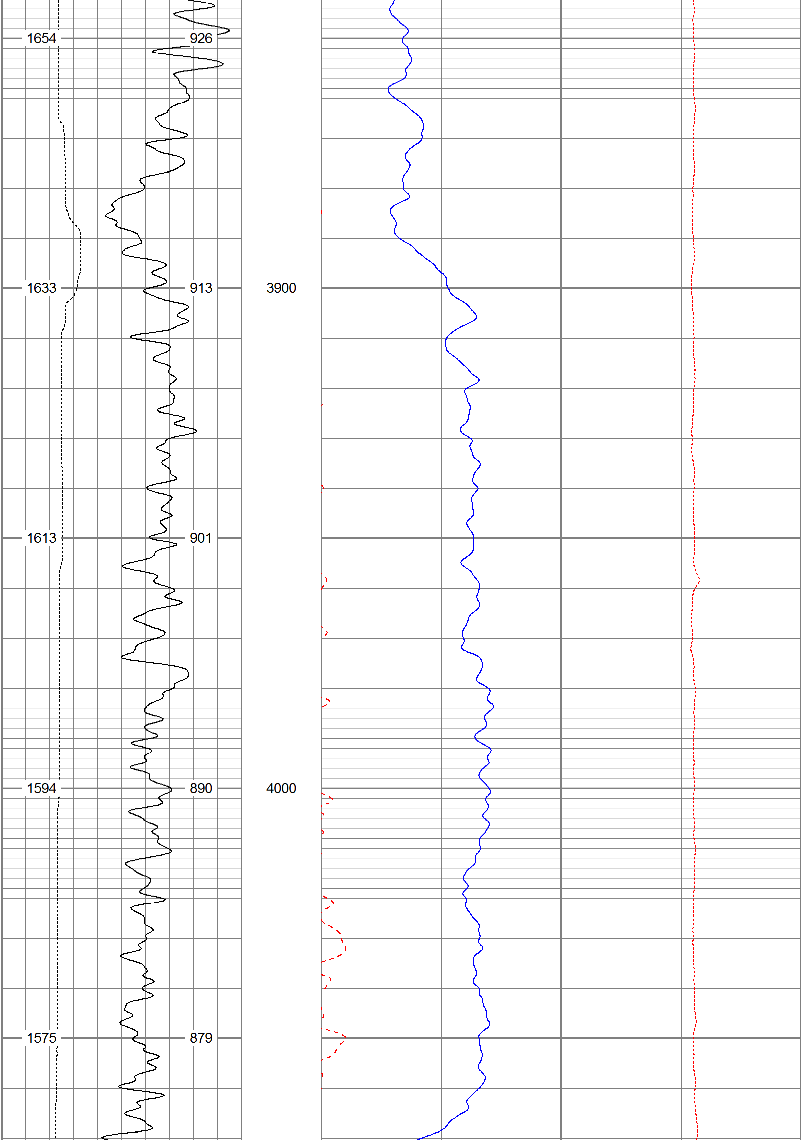


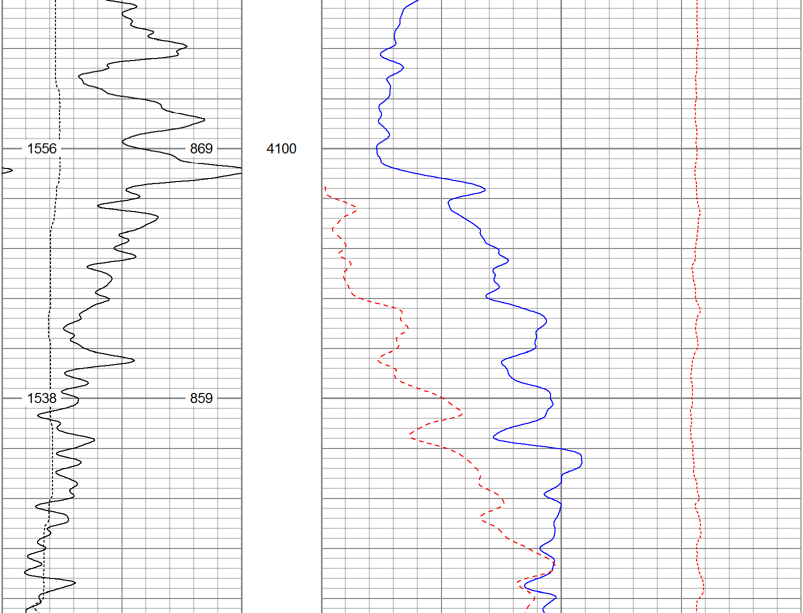












4200
4300
4400
4500
2.71 LS Matrix
Matrix Change @ 4600'
2.68 SS Matrix
4600
4700
4800
4900
5000
5100
2.68 SS Matrix
Matrix Change @ 5170'
2.71 LS Matrix
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200
6300
6400
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6600
6700
6800
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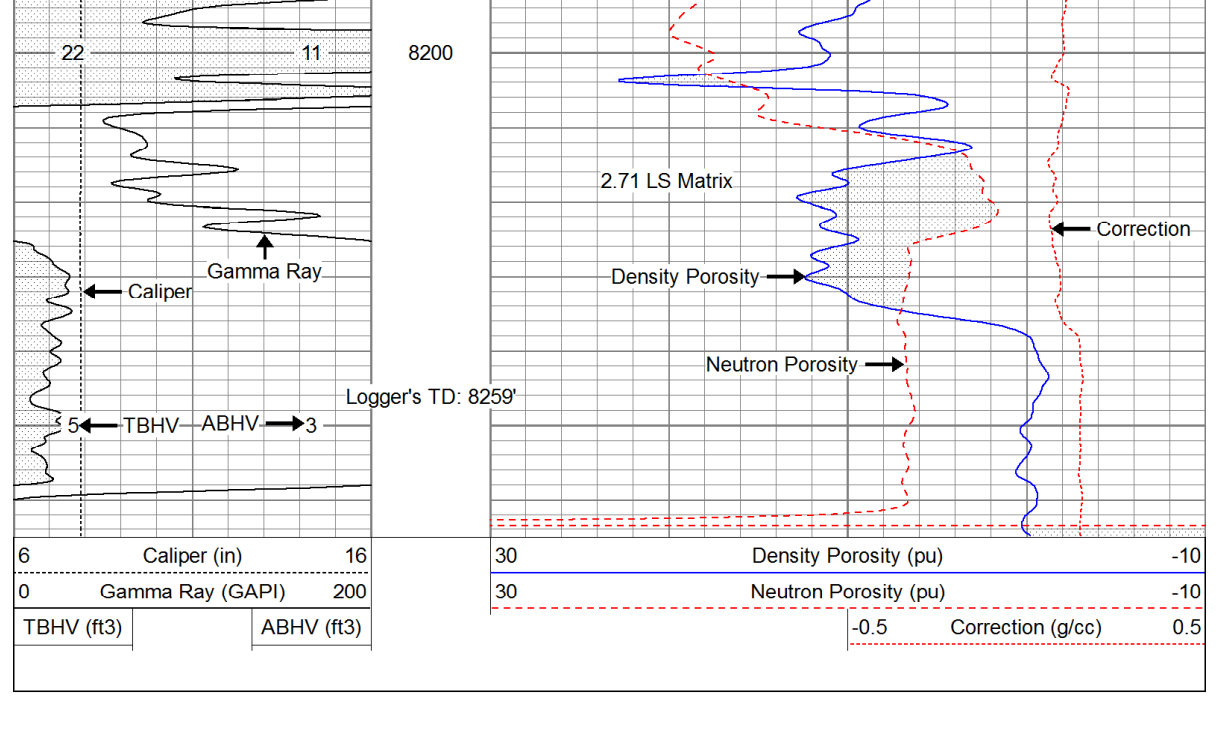
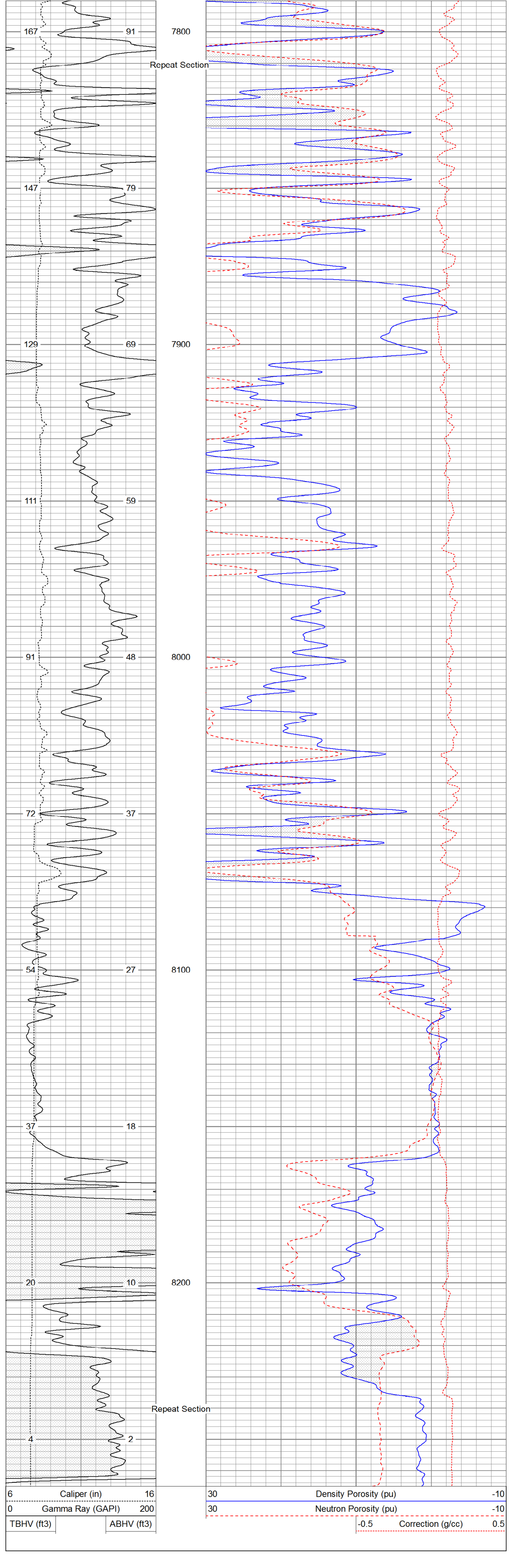
7000
7100
7200
7300
7400
7500
7600
7700
7800
2.71 LS Matrix
Matrix Change @ 7850'
2.68 SS Matrix
7900
8000
2.68 SS Matrix
Matrix Change @ 8080'
2.71 LS Matrix
8100



6	Caliper (in)	16	30	Density Porosity (pu) -10
0	Gamma Ray (GAPI)	200	30	Neutron Porosity (pu) -10
TBHV (ft3)		ABHV (ft3)		-0.5 Correction (g/cc) 0.5

Database File: 13384.db
Dataset Pathname: repeat
Presentation Format: poro
Dataset Creation: Thu Nov 28 10:04:30 2013
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16	30	Density Porosity (pu) -10
0	Gamma Ray (GAPI)	200	30	Neutron Porosity (pu) -10
TBHV (ft3)		ABHV (ft3)		-0.5 Correction (g/cc) 0.5



6	Caliper (in)	16	30	Density Porosity (pu) -10
0	Gamma Ray (GAPI)	200	30	Neutron Porosity (pu) -10
TBHV (ft3)		ABHV (ft3)		-0.5 Correction (g/cc) 0.5

Database File: 13384.db
Dataset Pathname: final
Presentation Format: cdl
Dataset Creation: Thu Nov 28 10:53:52 2013
Charted by: Depth in Feet scaled 1:240

6	Caliper (in)	16	2	Bulk Density (g/cc) 3
0	Gamma Ray (GAPI)	200	30	Density Porosity (pu) -10

Calibration Report

Database File: 13384.db
Dataset Pathname: pass1
Dataset Creation: Thu Nov 28 08:38:13 2013 by Log 0

Dual Induction Calibration Report

Serial-Model: 1011-PSI
Surface Cal Performed:

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	0.000	1.000	0.000	1.000	mmho/m	0.510	-28.000
Medium	0.000	1.000	0.000	1.000	mmho/m	0.440	-28.000

Compensated Density Calibration Report

Serial-Model: 998-PSI
Source / Verifier: /
Master Calibration Performed: Sun Nov 17 14:28:23 2013

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	7210.00	9816.00	cps
Aluminum	2.690	g/cc	1326.00	6231.00	cps

Spine Angle = 74.98
Density/Spine Ratio = 0.536

	Size		Reading
Small Ring	6.20	in	1.67
Large Ring	19.85	in	1.38

Compensated Neutron Calibration Report

Serial Number: 826
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	2.0900

Gamma Ray Calibration Report

Serial Number: 939
Tool Model: PSI
Performed: Sun Nov 17 14:28:43 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.6200 GAPI/cps