PIONEER

Pioneer Energy Services

COMPENSATED DENSITY
COMPENSATED NEUTRON
GAMMA RAY

Company Wiepking-Fullerton Energy LLC
Well Big Wampum #4
Field Wildcat
County Lincoln
State Colorado

Company Wiepking-Fullerton Energy LLC
Well Big Wampum #4
Field Wildcat
County Lincoln **State** Colorado

Location: API # : 05-073-06575

1980' FNL & 1980' FEL
SW NE

SEC 23 TWP 10S RGE 56W

Permanent Datum GL Elevation 5363
Log Measured From KB
Drilling Measured From KB

Other Services
Hi. Res.
Induction

Elevation
K.B. 5376
D.F. 7375
G.L. 5363

Date	May 13, 2014		
Run Number	1		
Depth Driller	8150		
Depth Logger	8147		
Bottom Logged Interval	8127		
Top Log Interval	2000		
Casing Driller	313		
Casing Logger	Not Logged		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.4 / 87		
pH / Fluid Loss	10.0 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.20 @ 50 F		
Rmf @ Meas. Temp	1.65 @ 50 F		
Rmc @ Meas. Temp	2.75 @ 50 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.545 @ 202 F		
Time Circulation Stopped	0845		
Time Logger on Bottom	1340		
Maximum Recorded Temperature	202 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Clint Christensen		
Witnessed By	Gregg Smith		

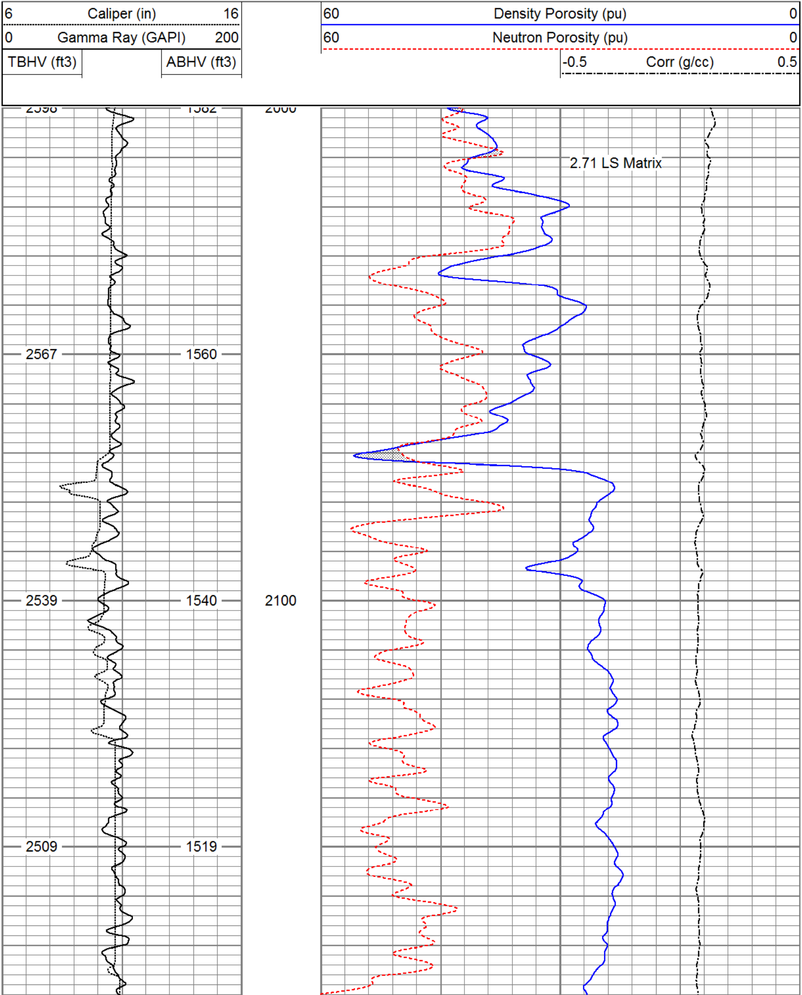
<<< Fold Here >>>

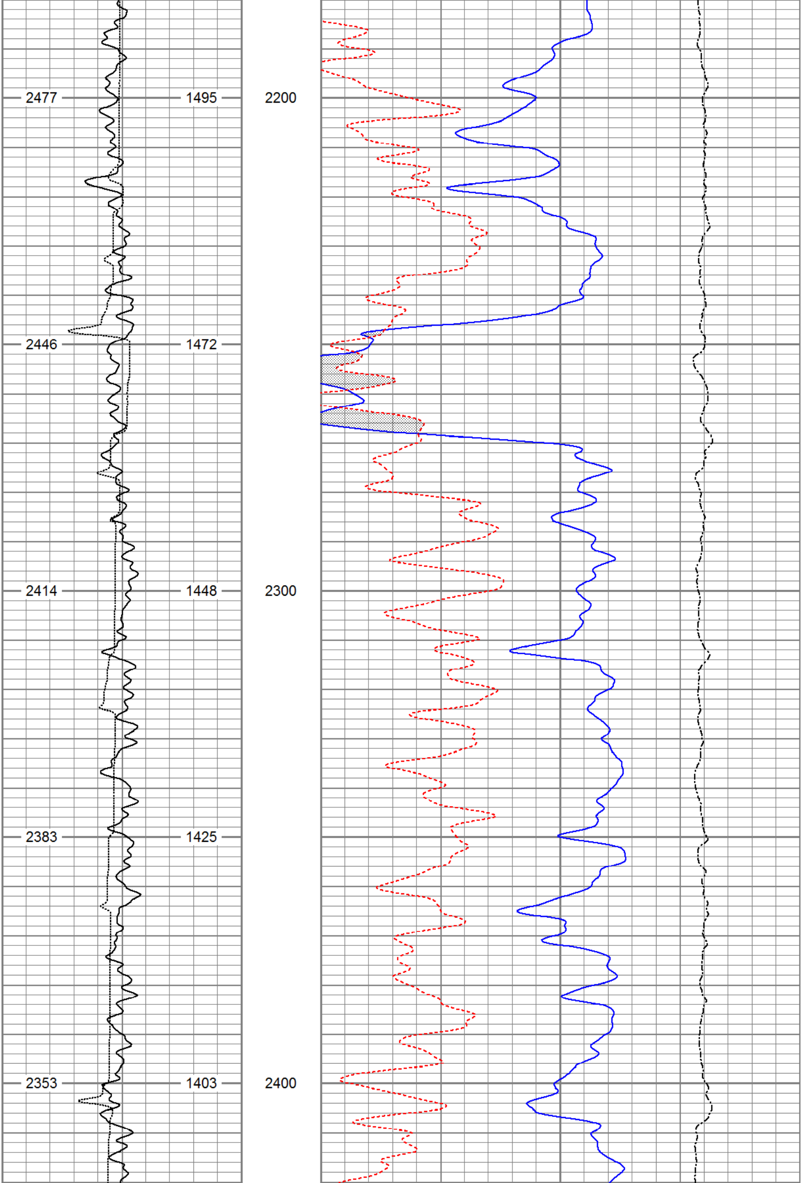
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages,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

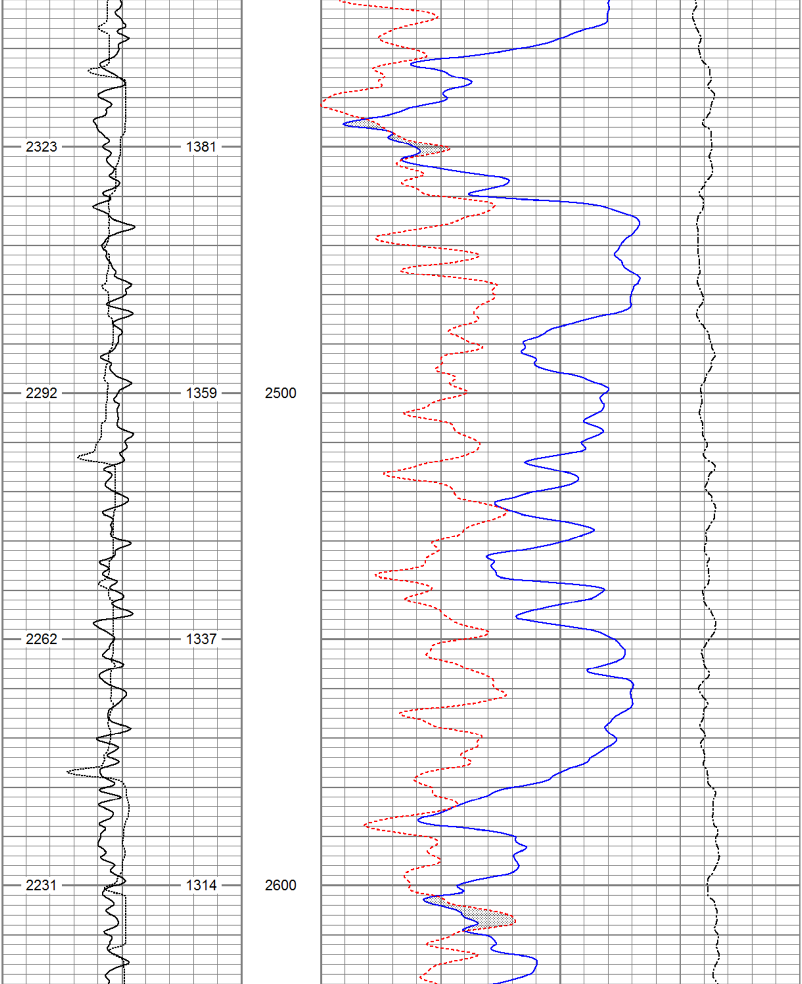
Comments

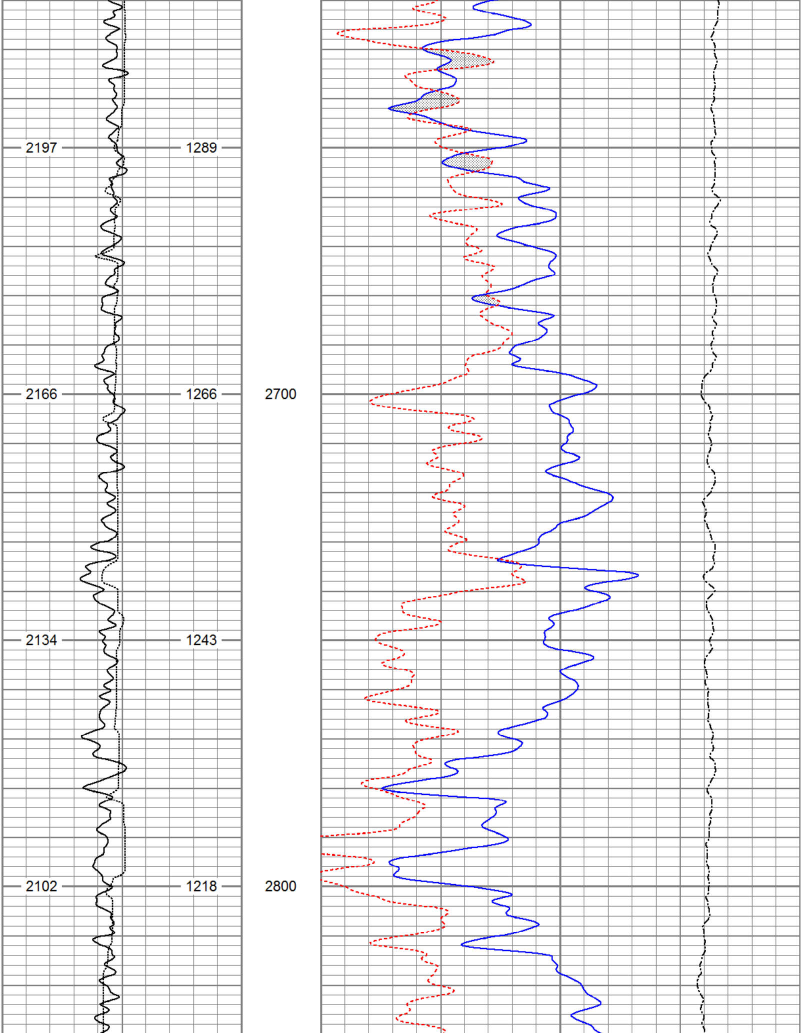
Annular volume calculated for 5.5" casing
Murfin Drilling Rig 25
Thank you for using Pioneer Energy Services

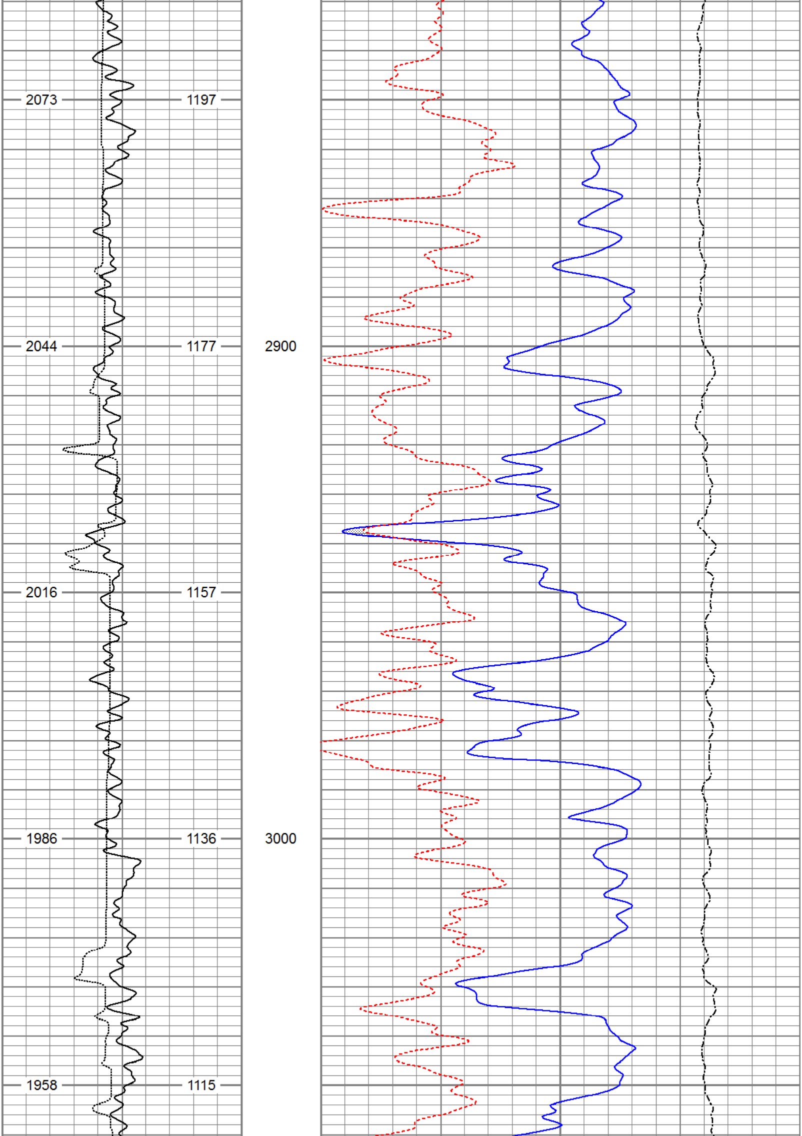
Database File:	13553.db
Dataset Pathname:	Final
Presentation Format:	poro60
Dataset Creation:	Tue May 13 17:07:19 2014
Charted by:	Depth in Feet scaled 1:240

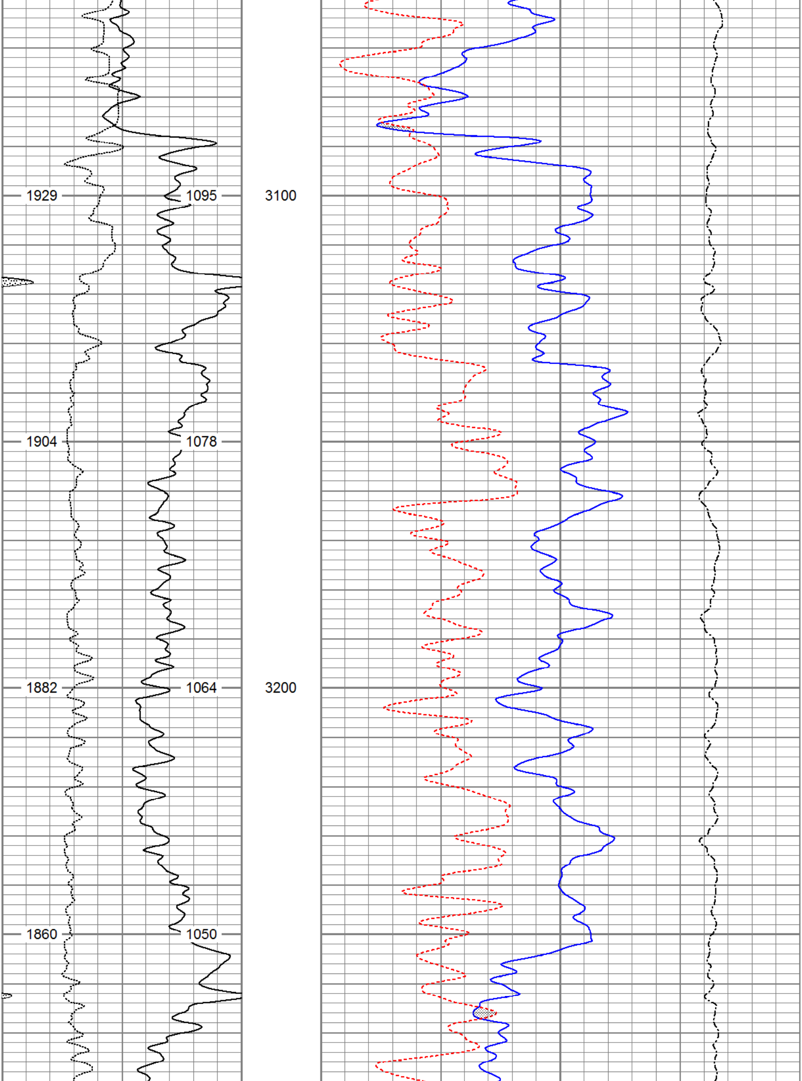


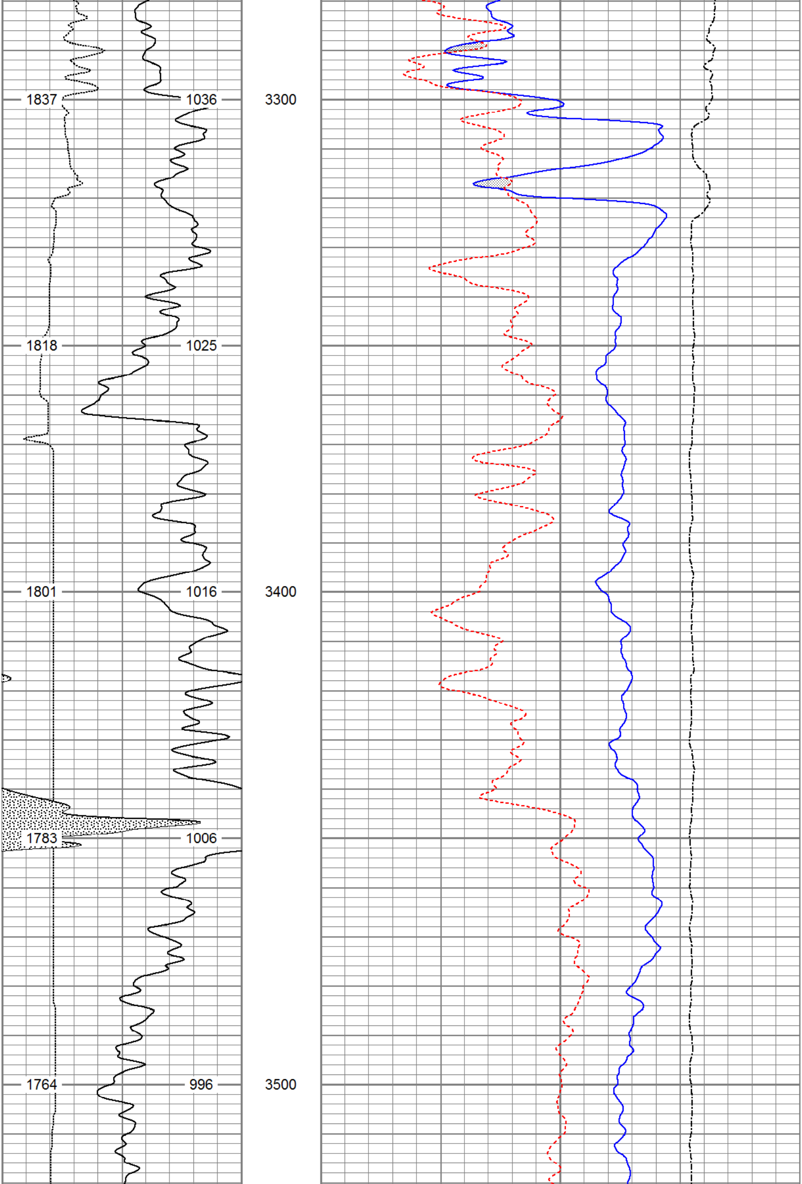


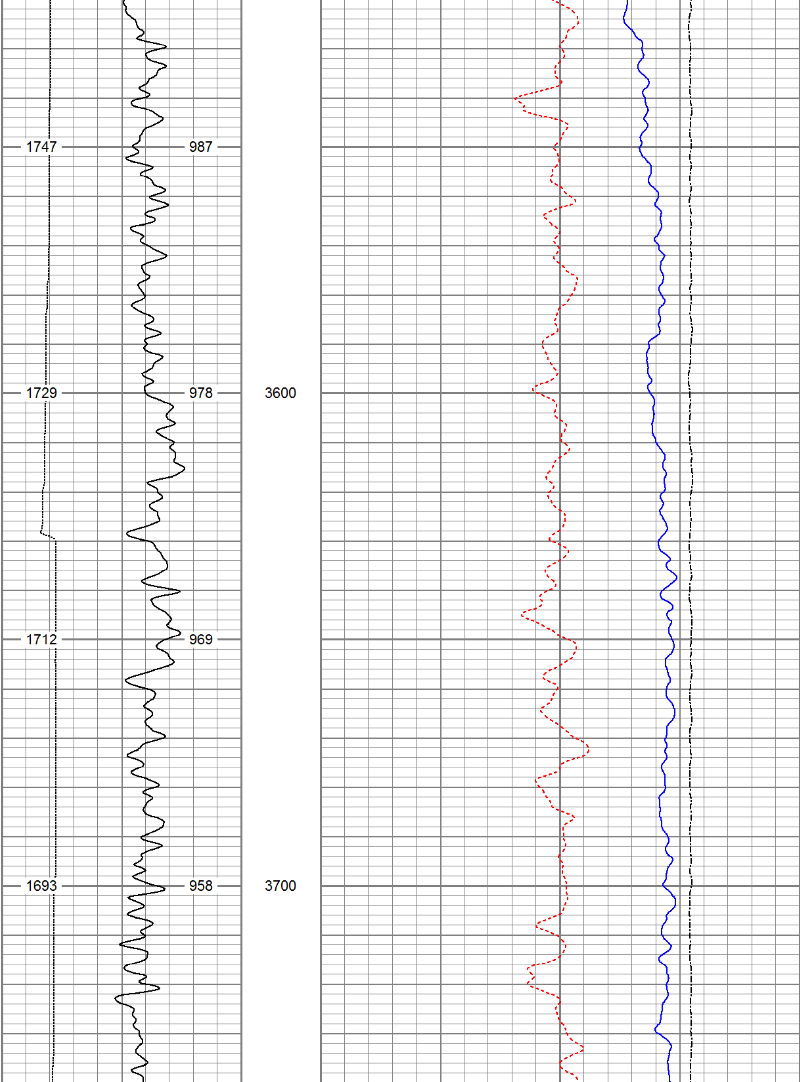


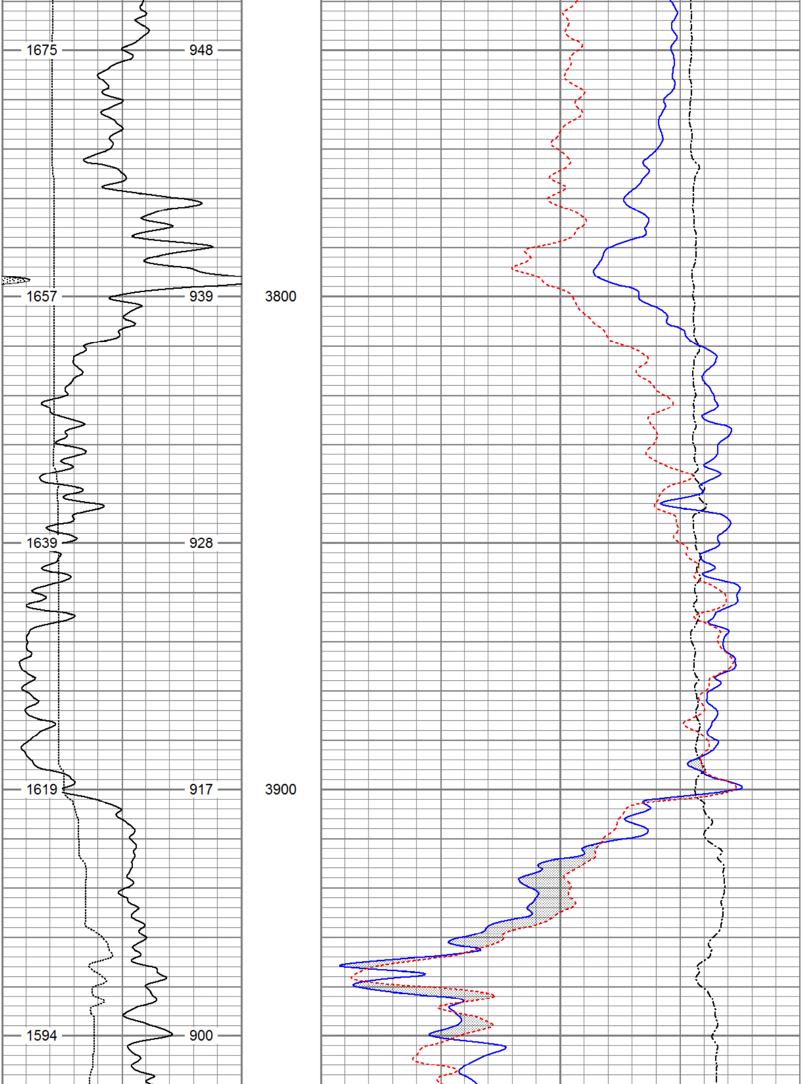


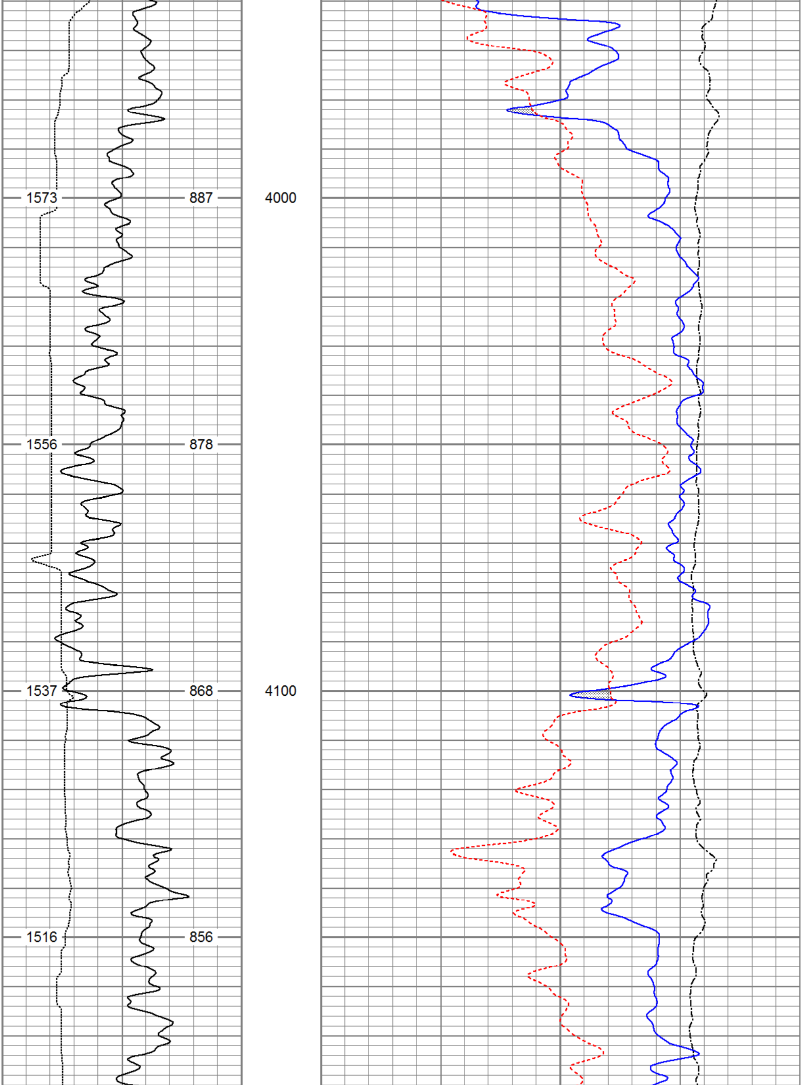


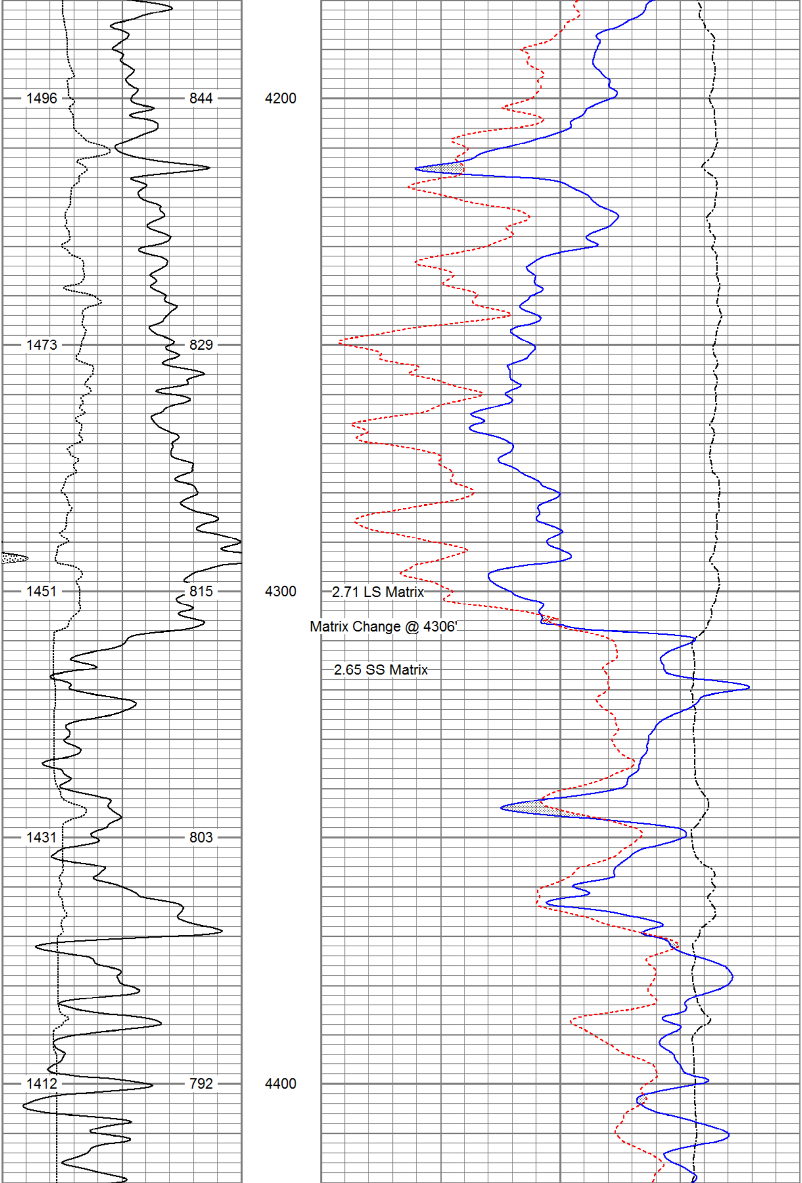


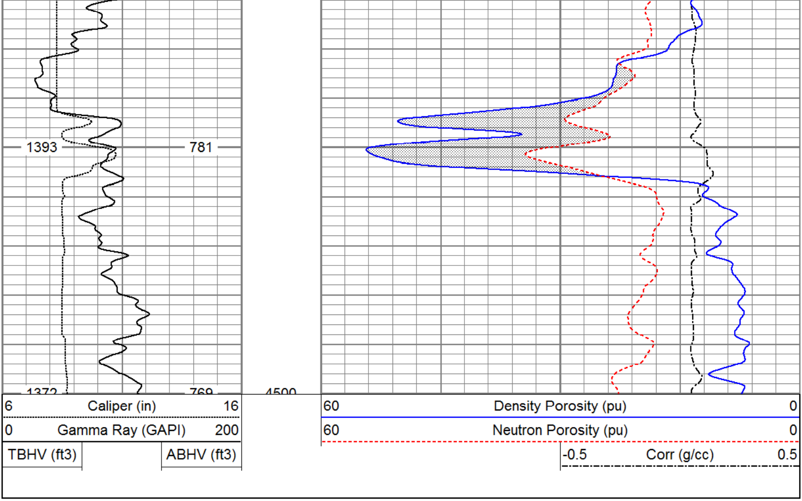




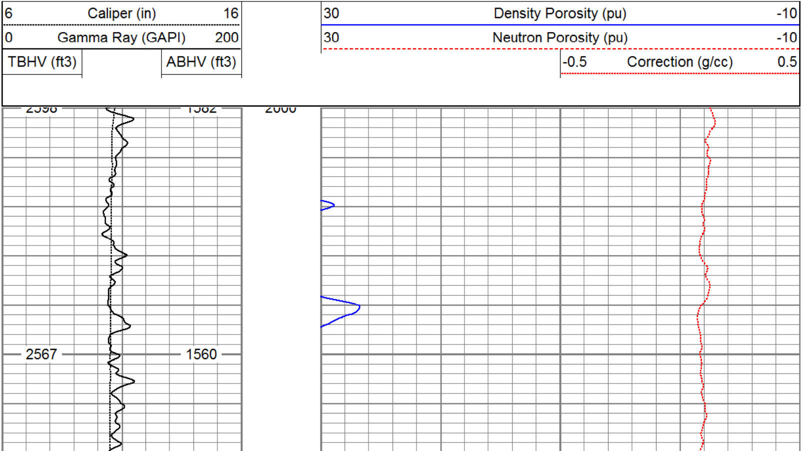


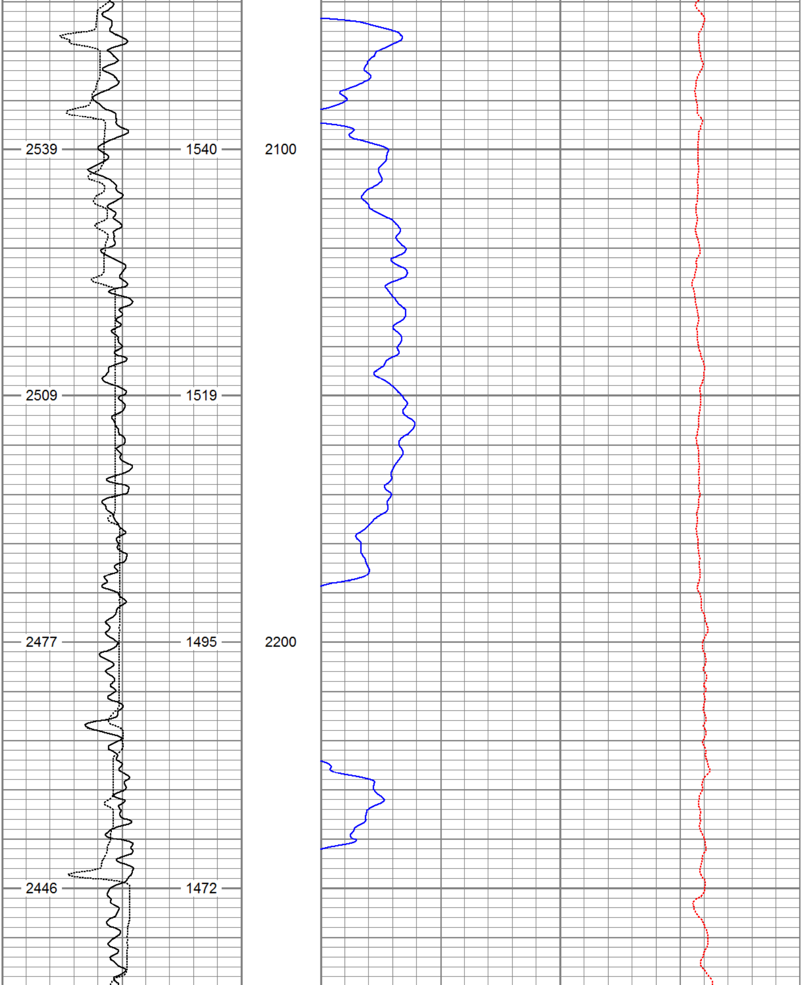


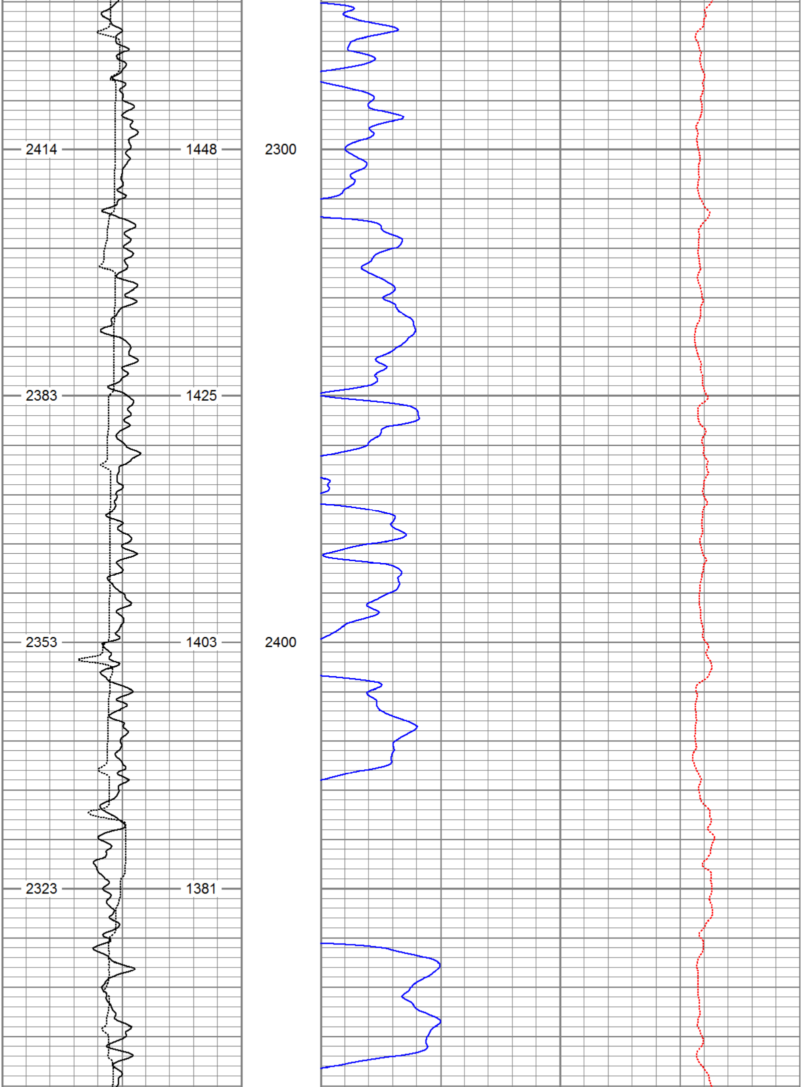


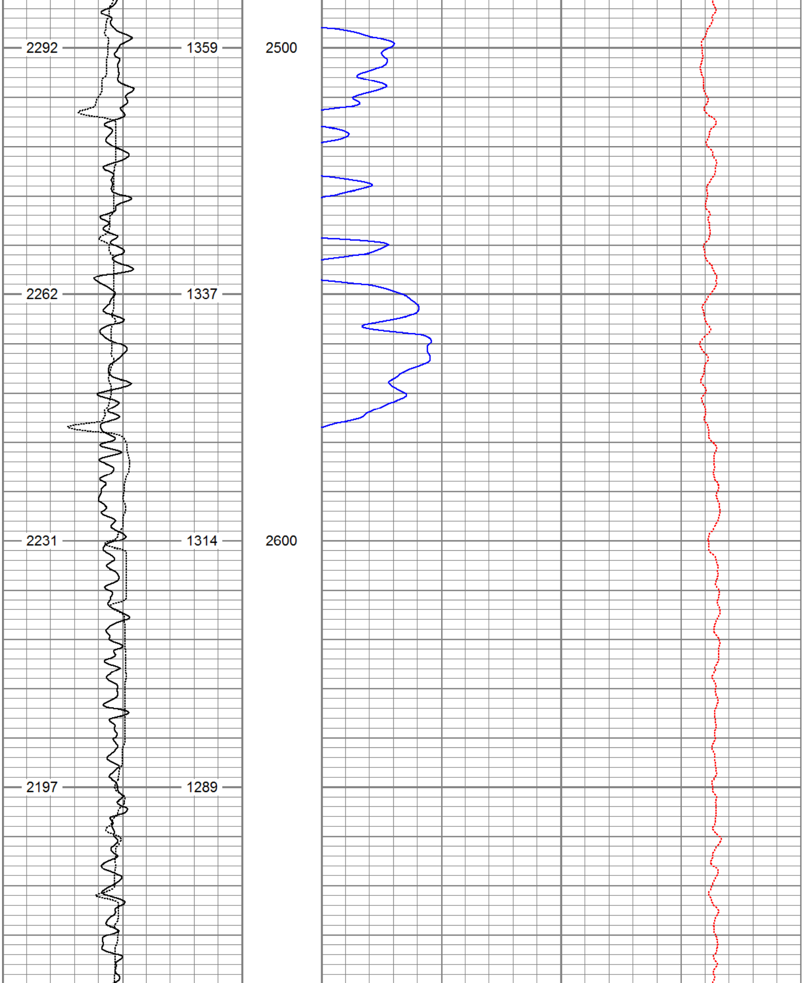


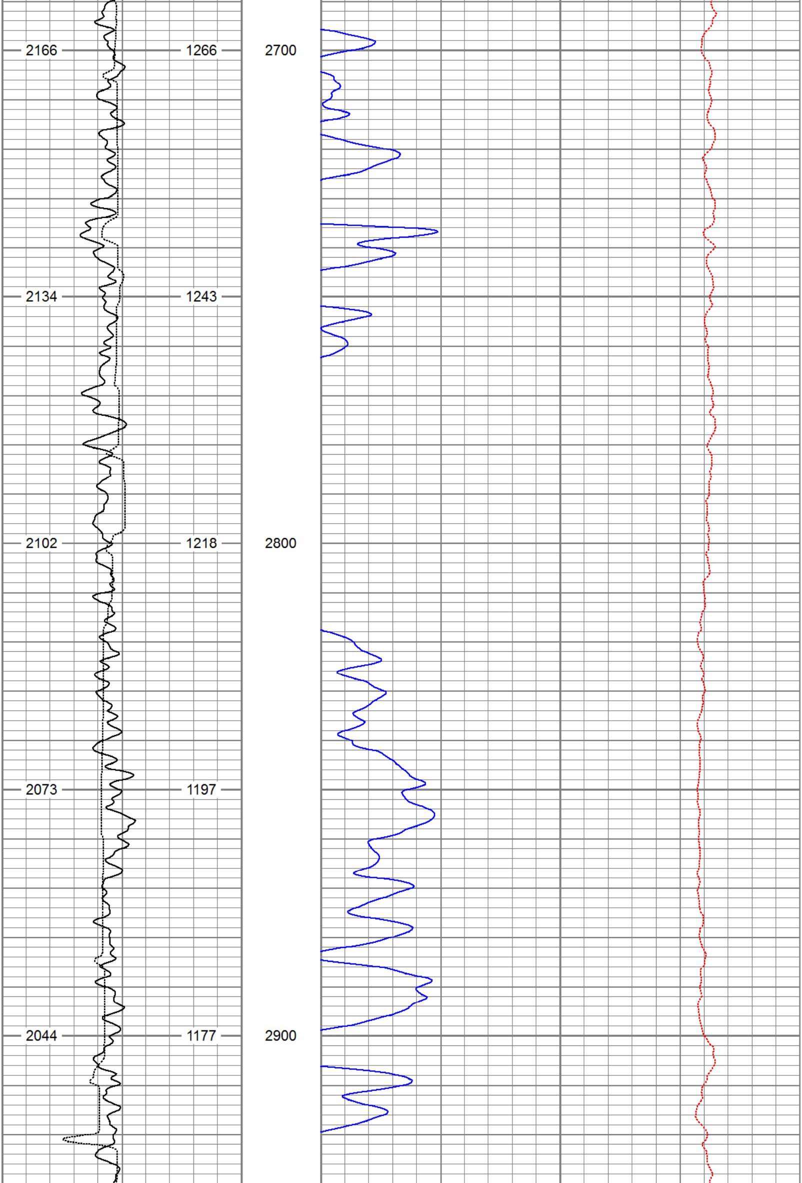
Database File: 13553.db
Dataset Pathname: Final
Presentation Format: poro
Dataset Creation: Tue May 13 17:07:19 2014
Charted by: Depth in Feet scaled 1:240

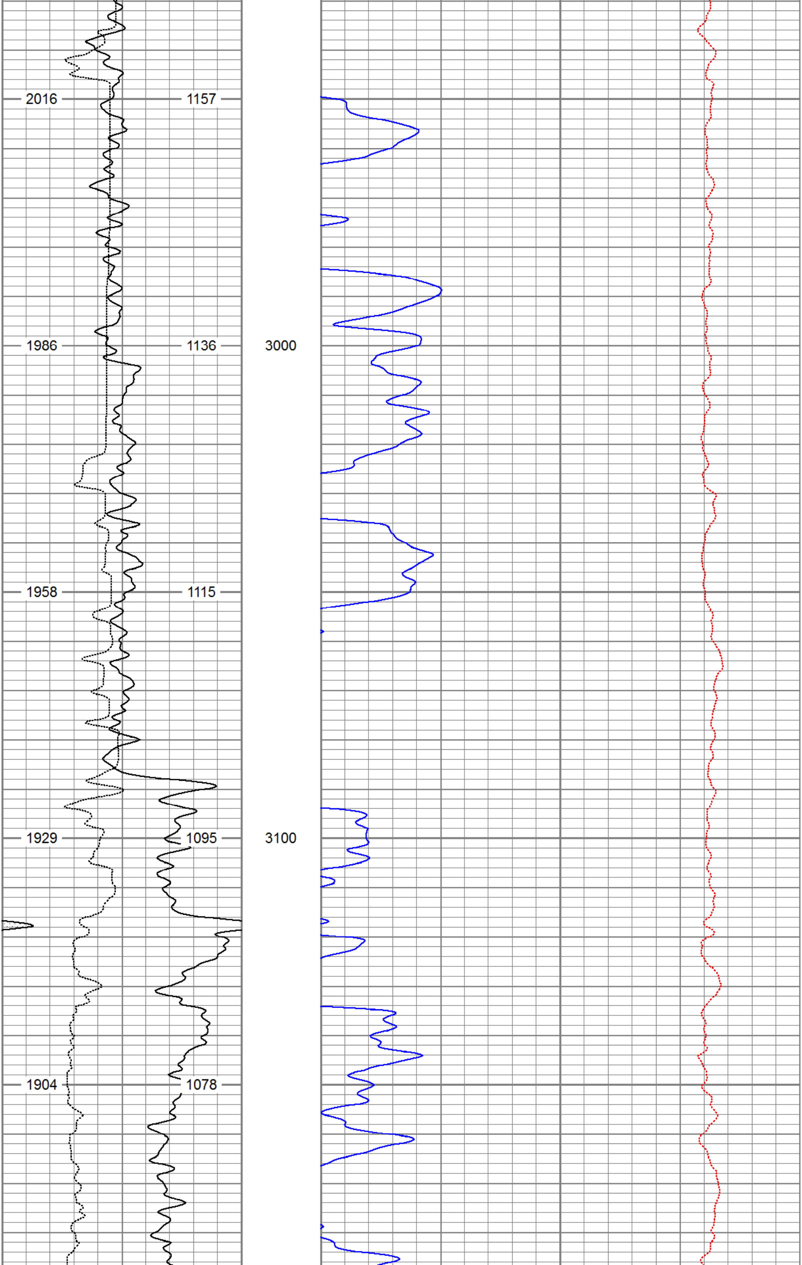


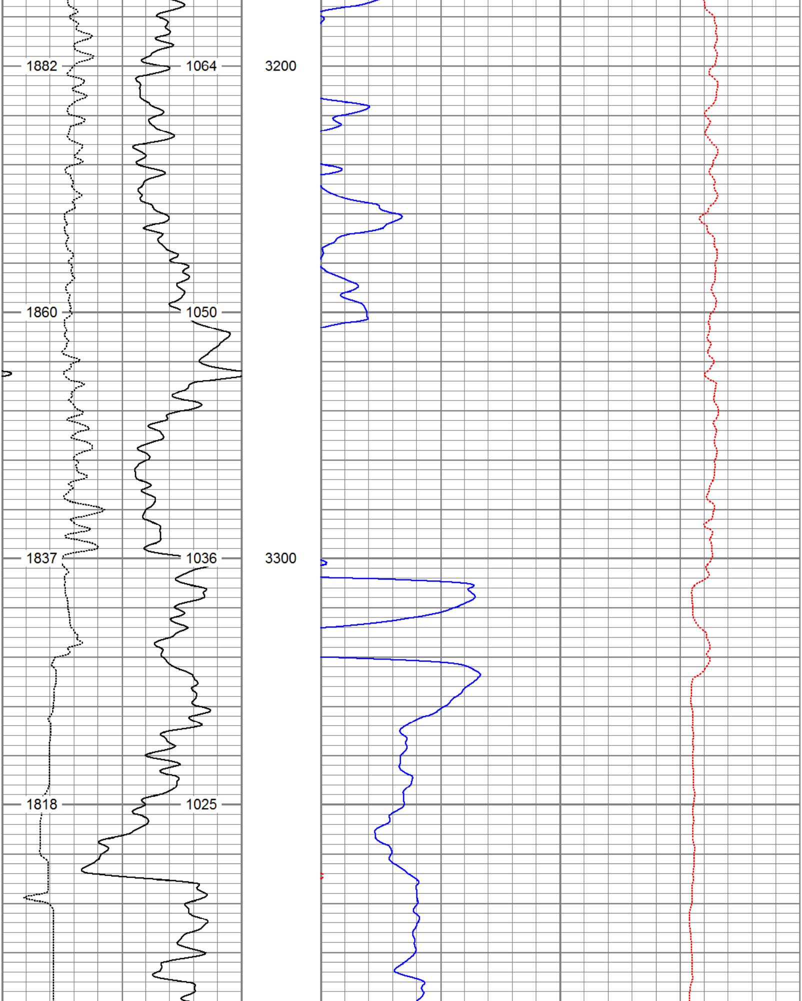


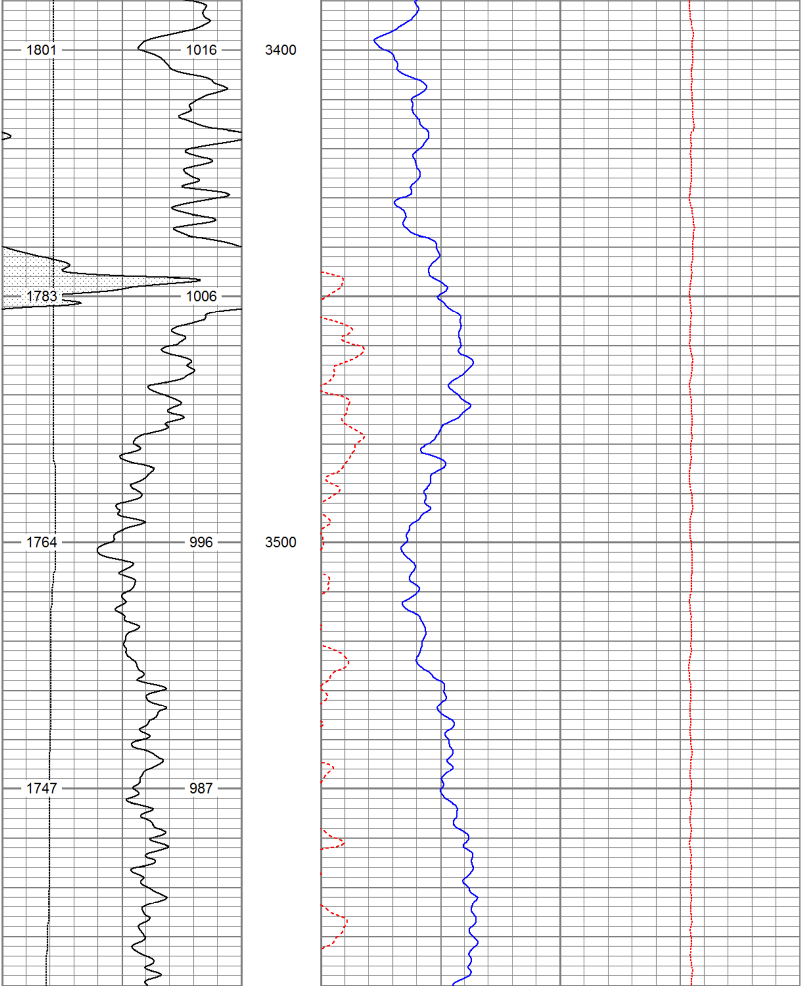


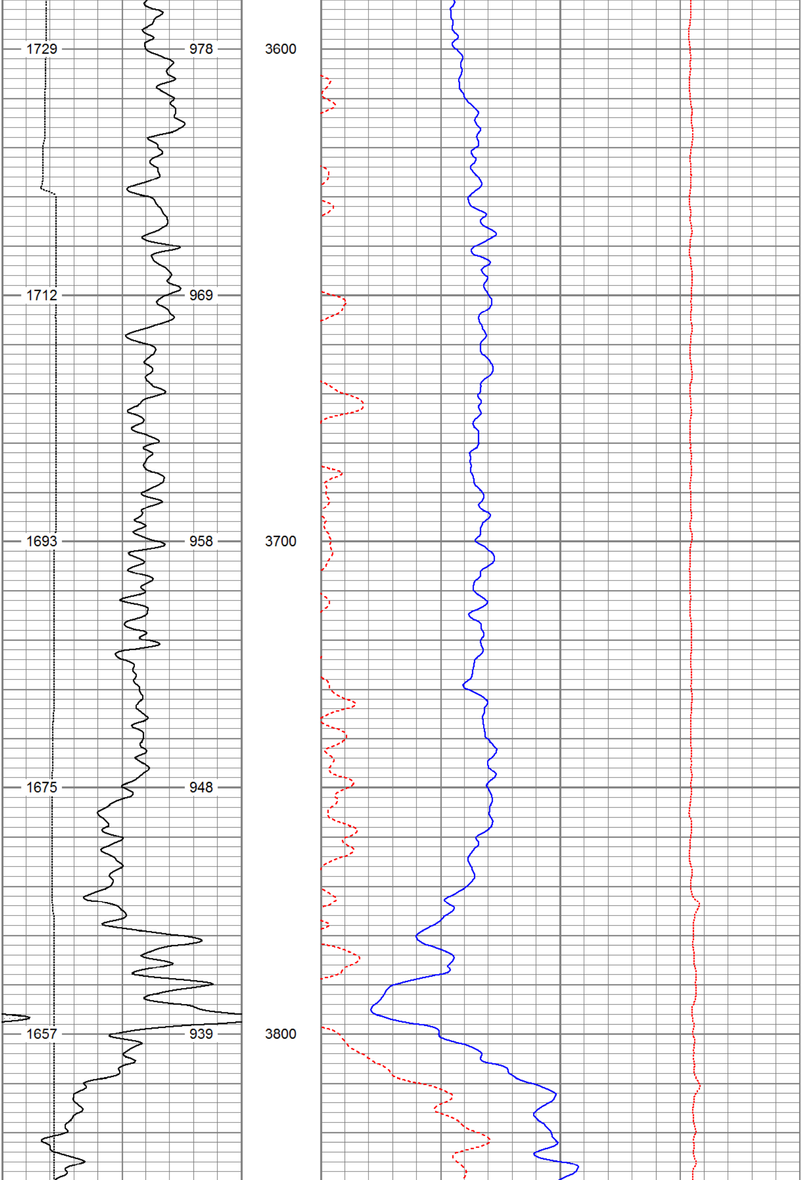


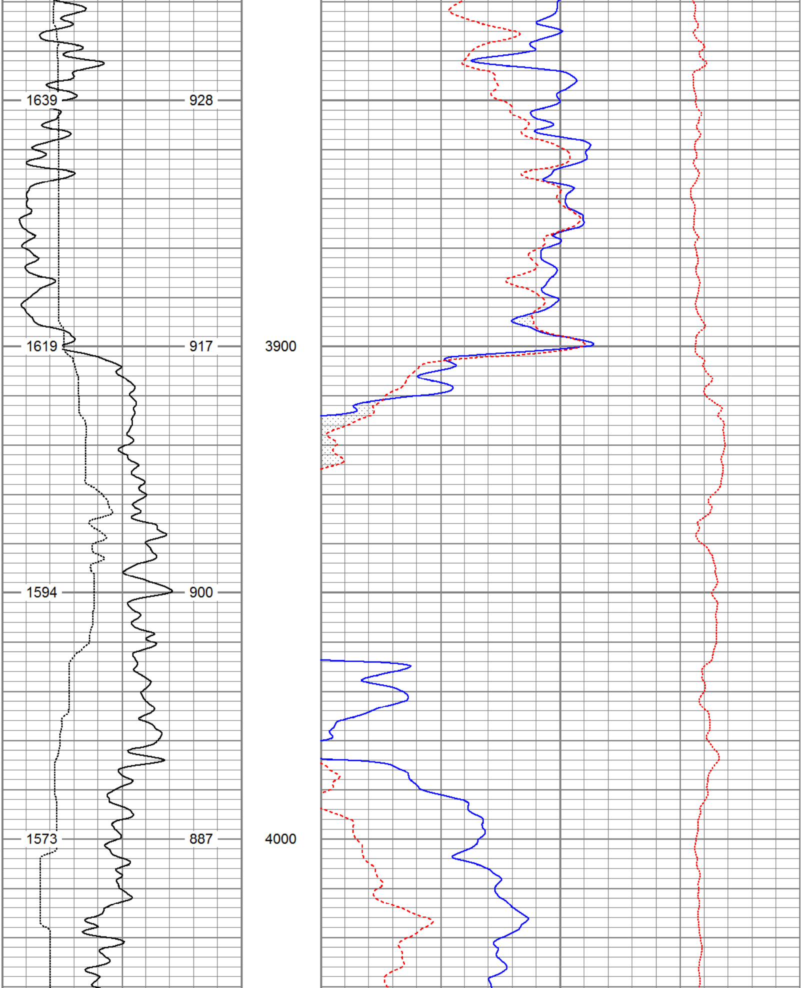


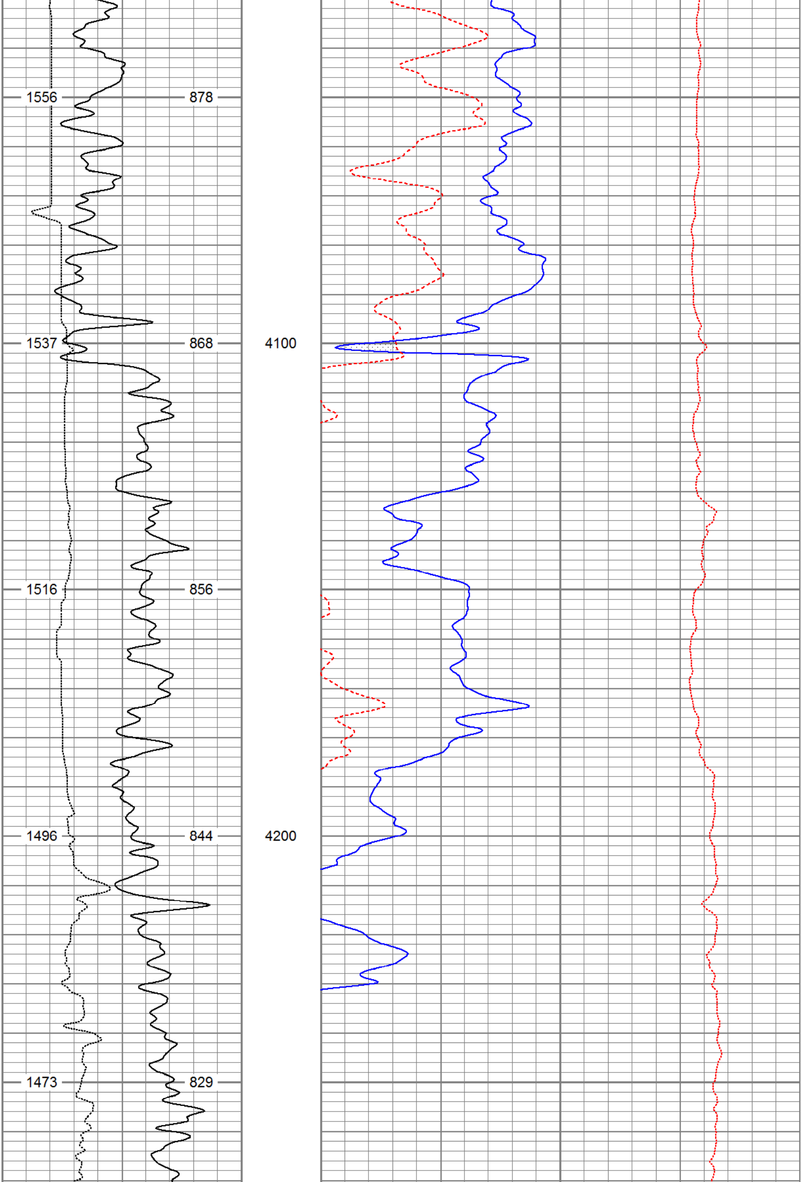


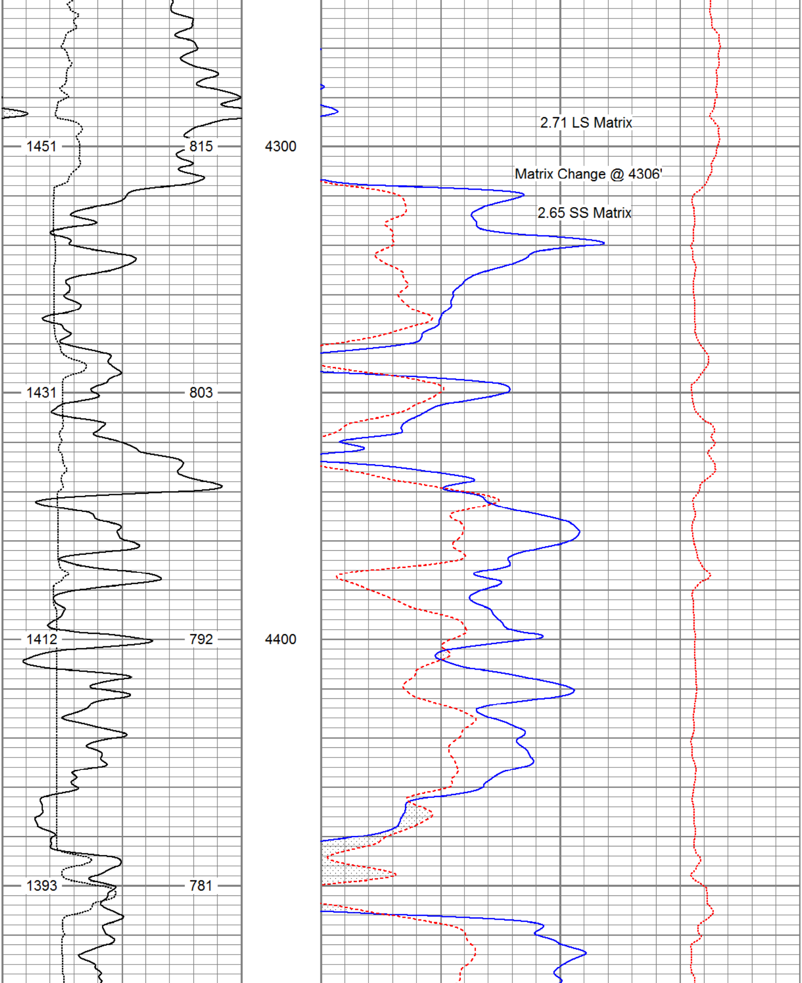

1882
1064
3200
1860
1050
1837
1036
3300
1818
1025

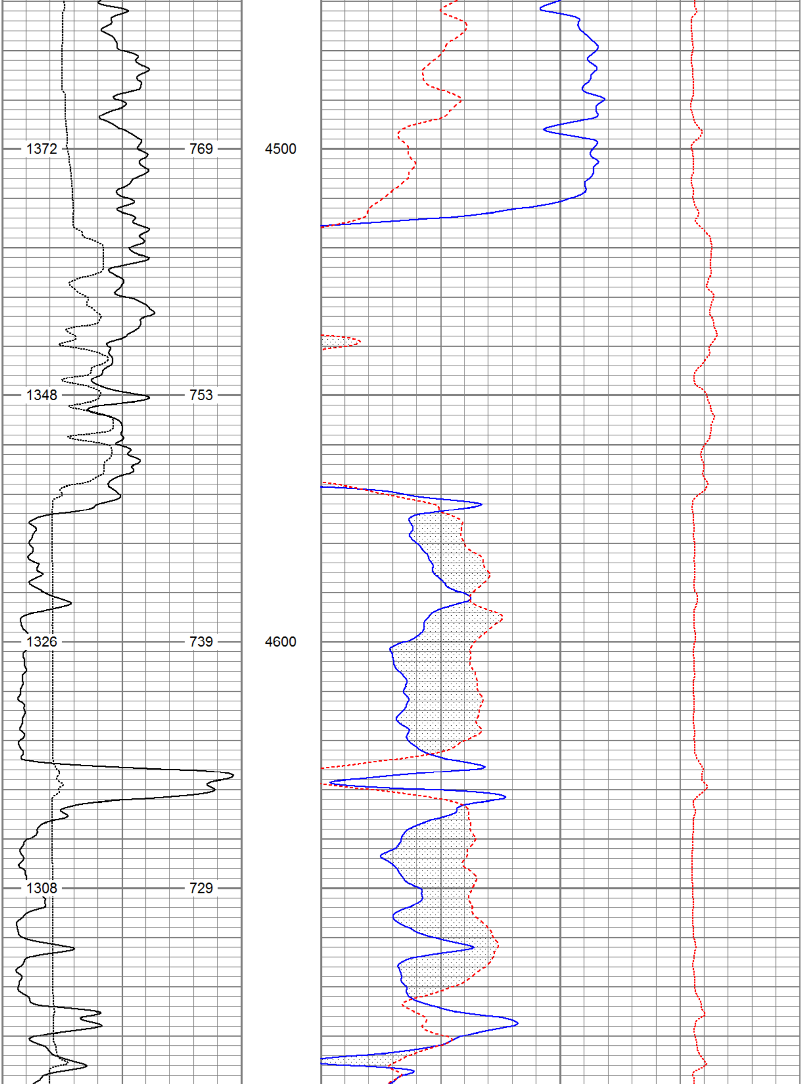

1801
1016
3400
1783
1006
1764
996
3500
1747
987

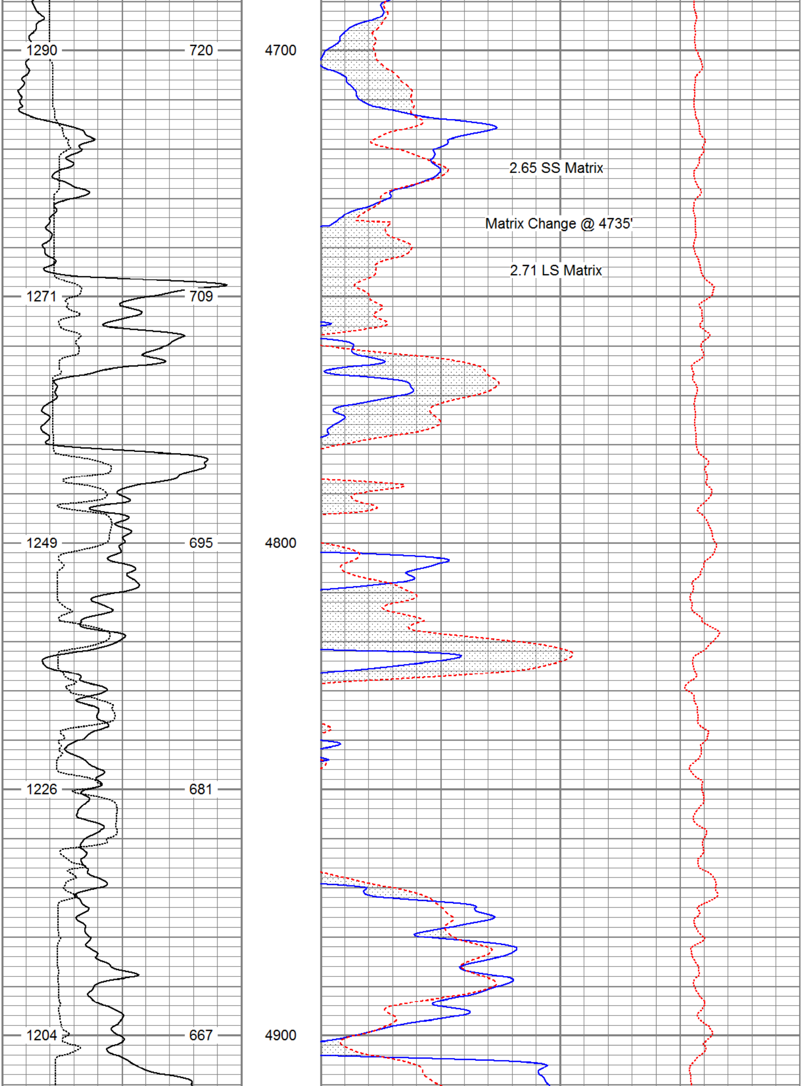

1729
978
3600
1712
969
1693
958
3700
1675
948
1657
939
3800

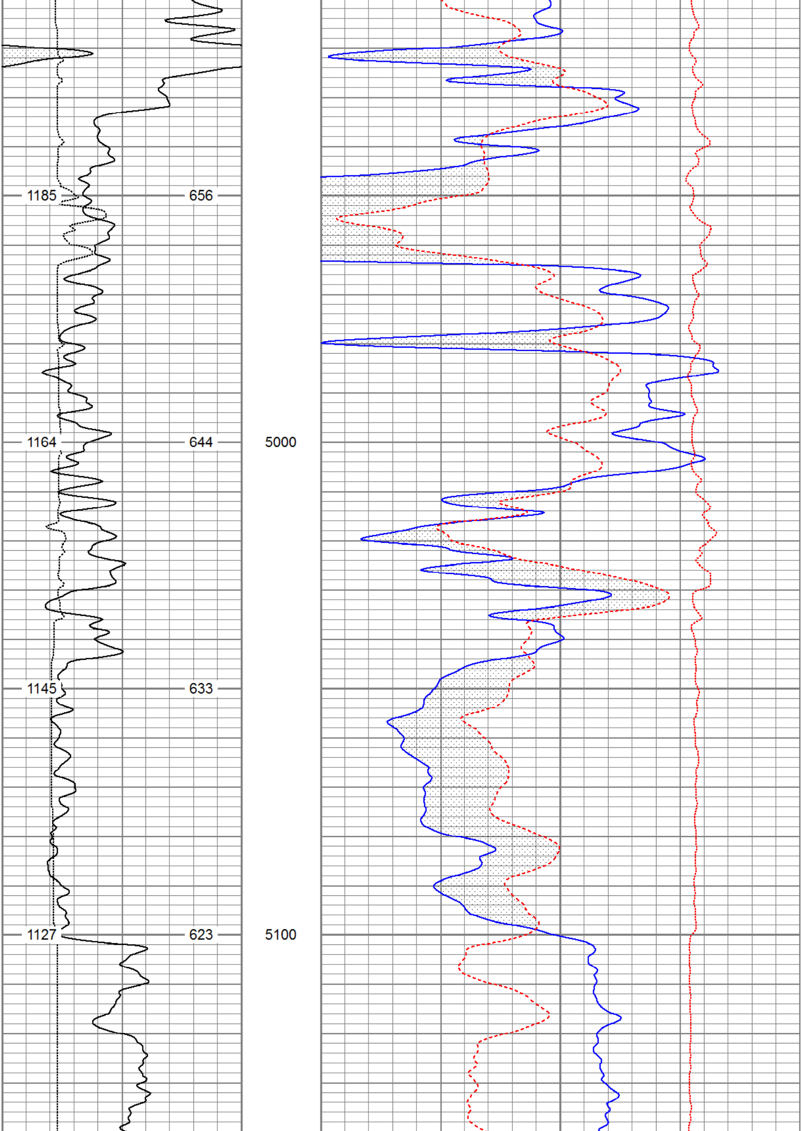

1639
928
1619
917
3900
1594
900
1573
887
4000

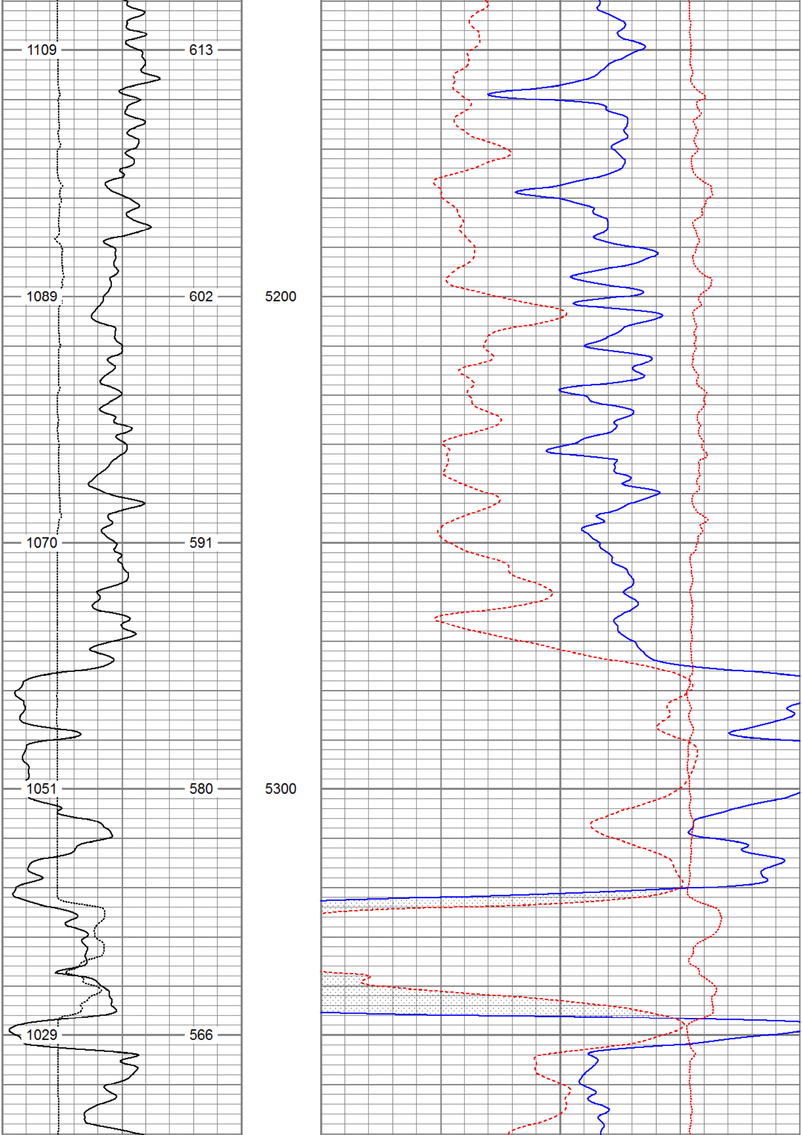

1556
878
1537
868
4100
1516
856
1496
844
4200
1473
829

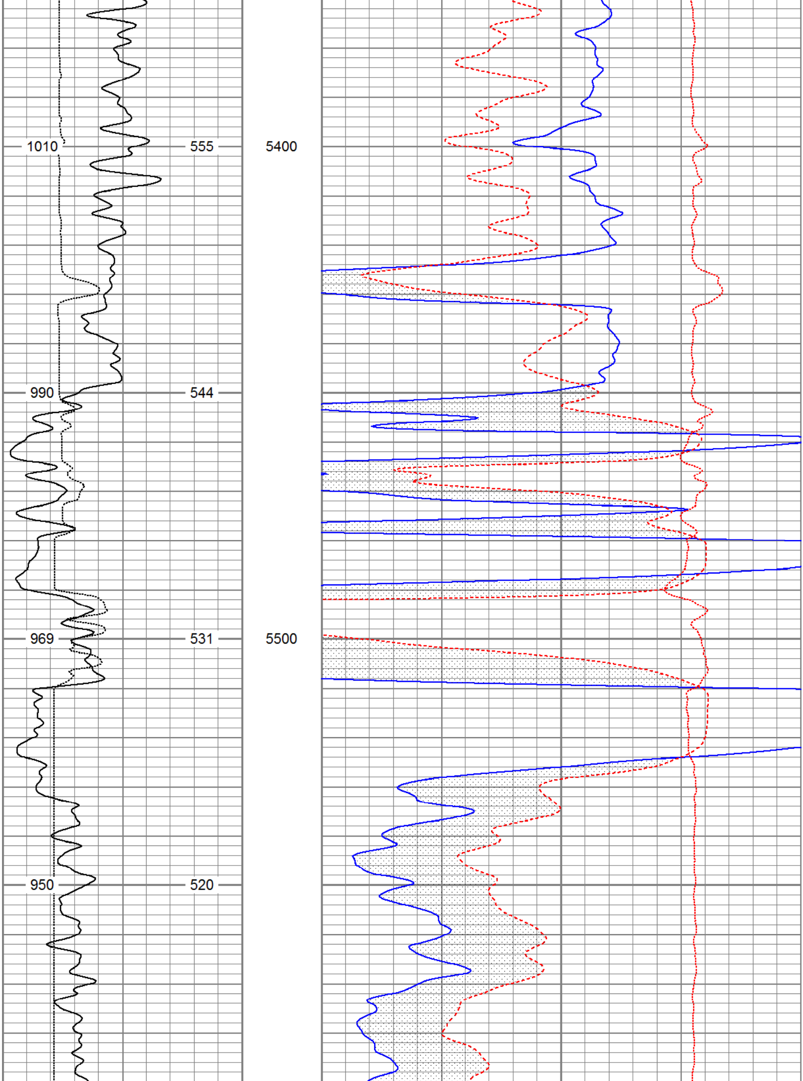

1451
815
4300
2.71 LS Matrix
Matrix Change @ 4306'
2.65 SS Matrix
1431
803
1412
792
4400
1393
781

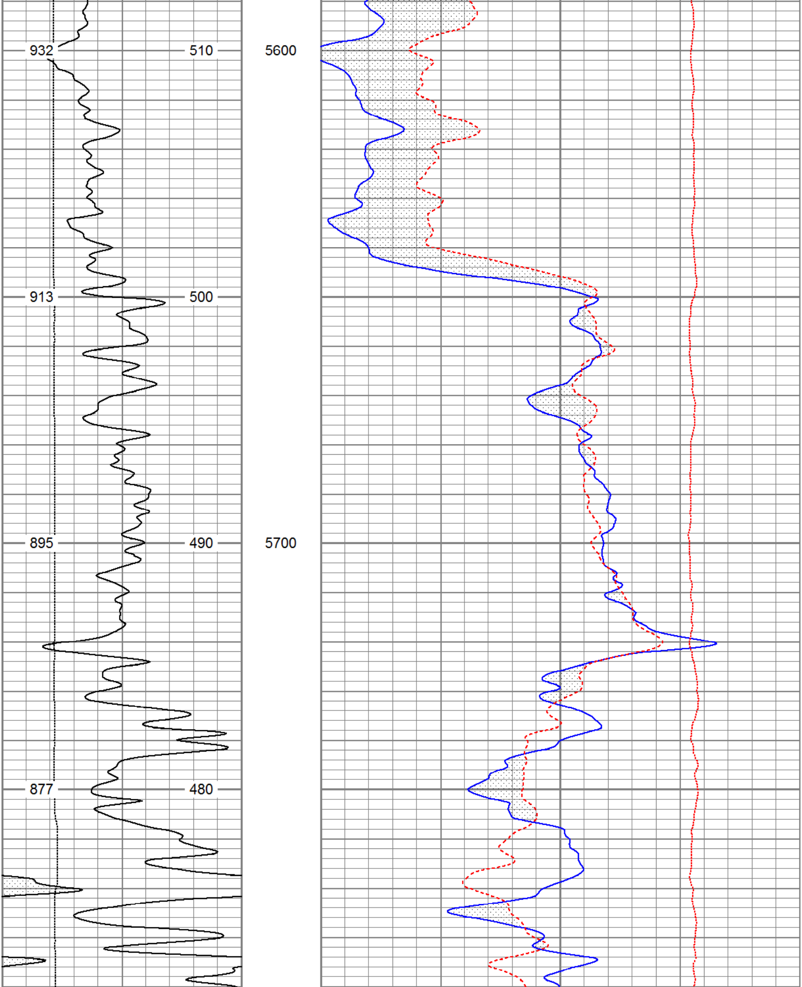

1372
769
4500
1348
753
1326
739
4600
1308
729

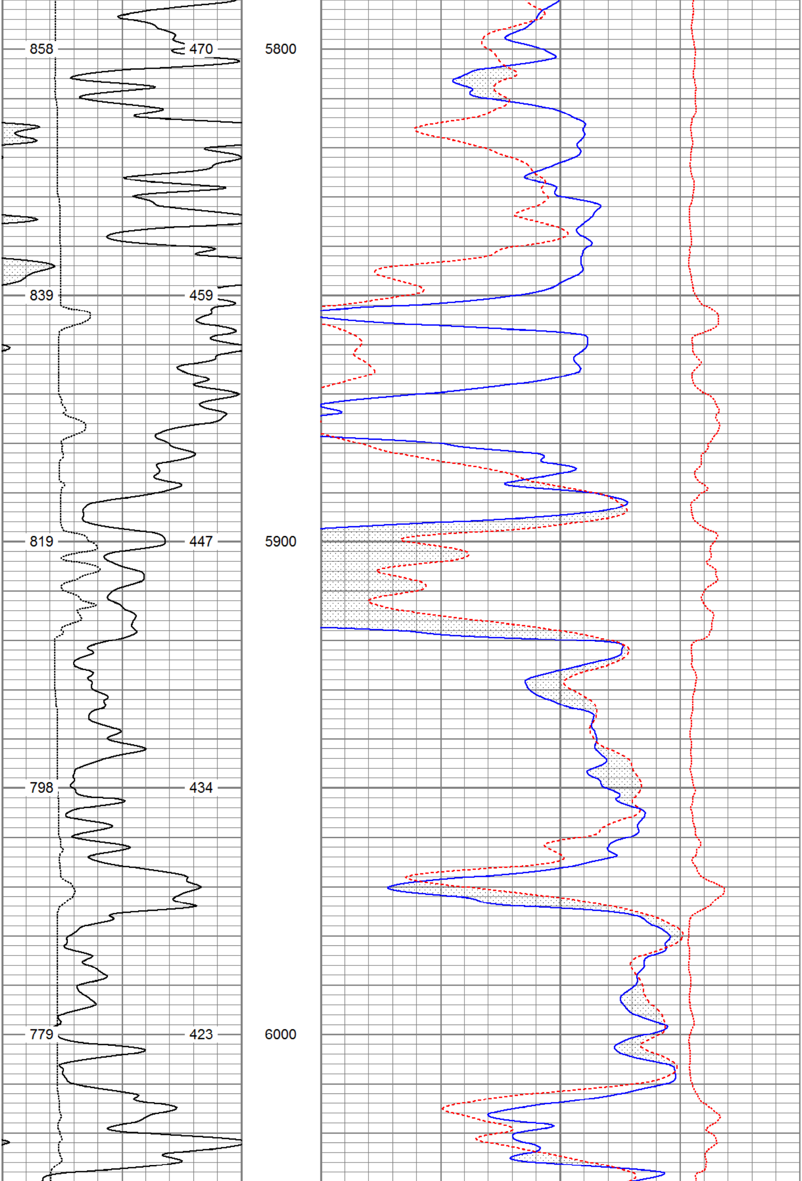

1290
720
4700
2.65 SS Matrix
Matrix Change @ 4735'
2.71 LS Matrix
1271
709
1249
695
4800
1226
681
1204
667
4900

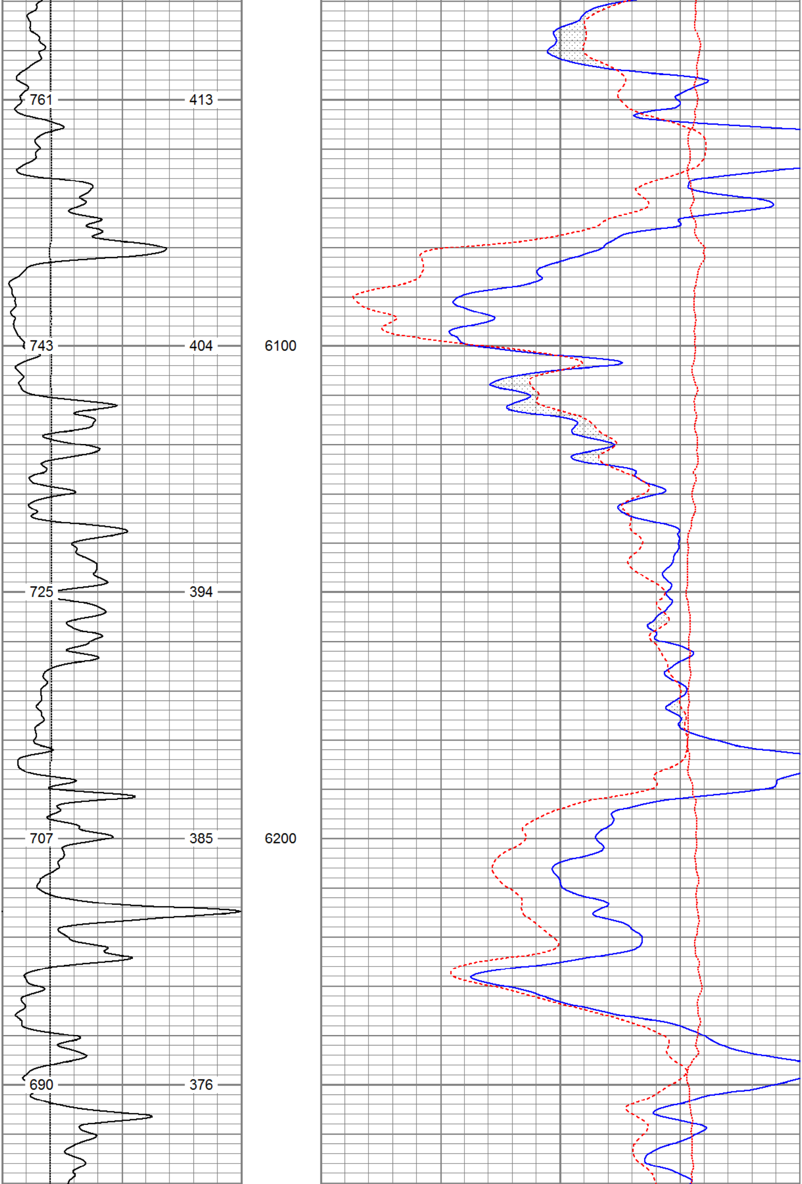

1185
656
1164
644
5000
1145
633
1127
623
5100

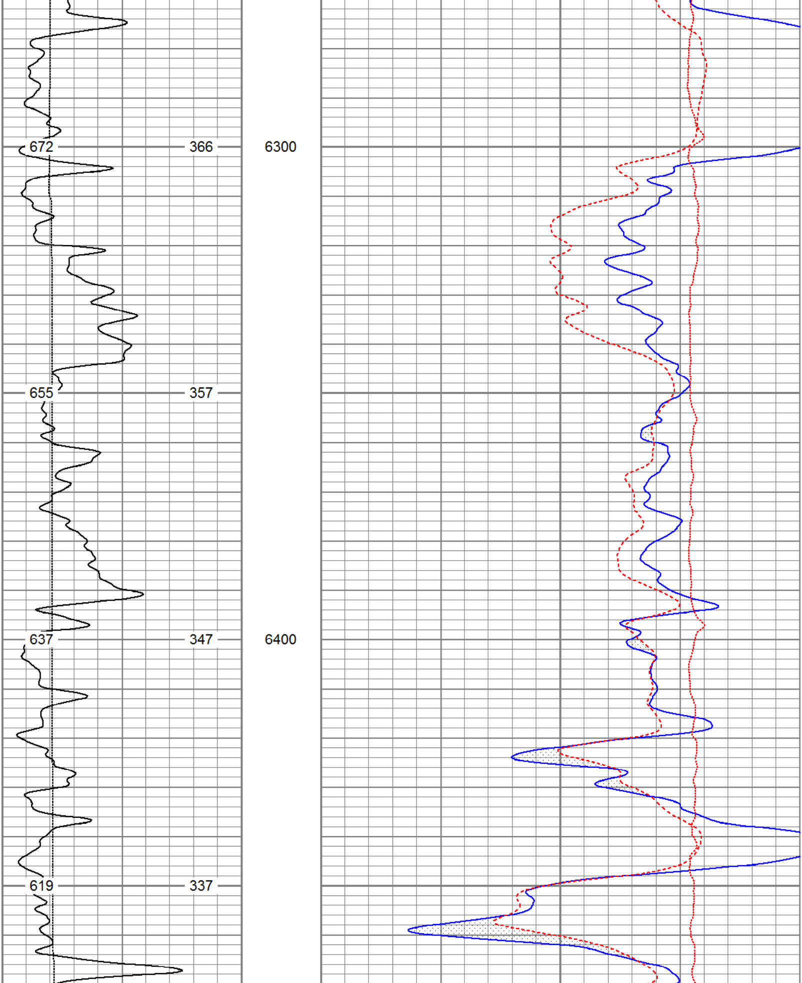

1109
613
1089
602
5200
1070
591
1051
580
5300
1029
566

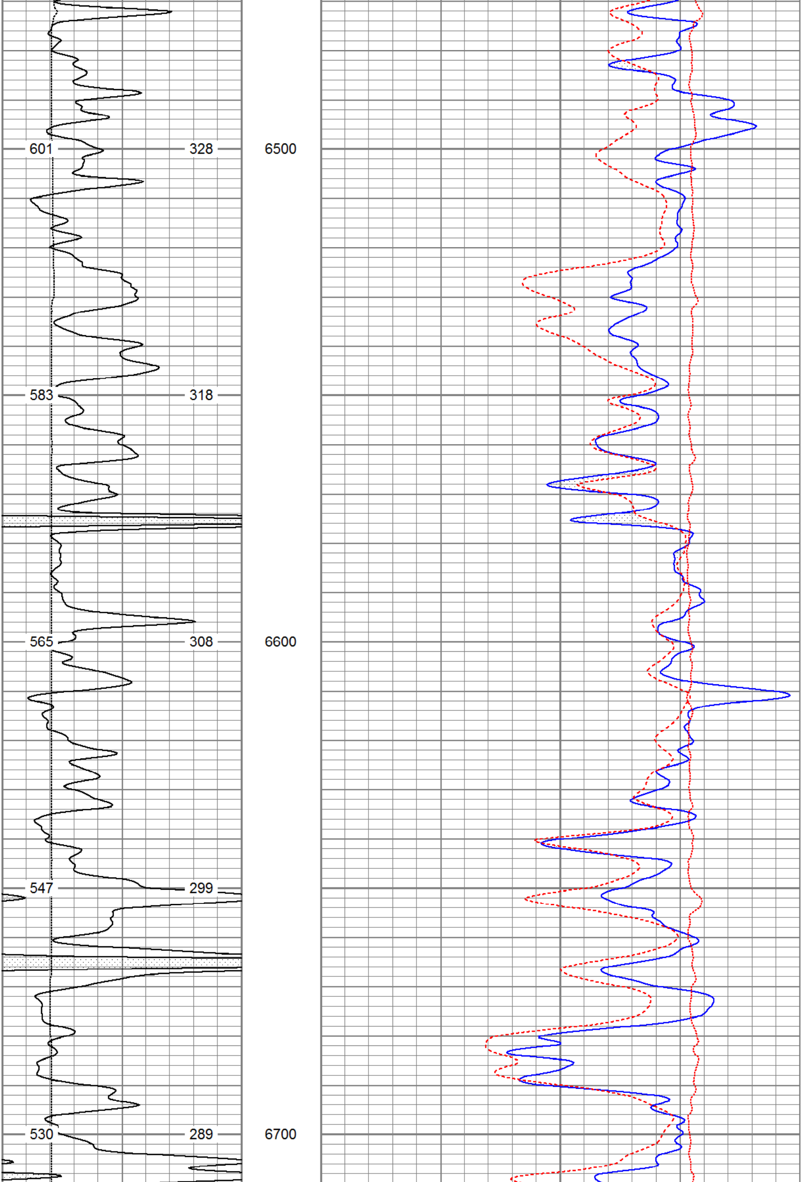

1010
555
5400
990
544
969
531
5500
950
520

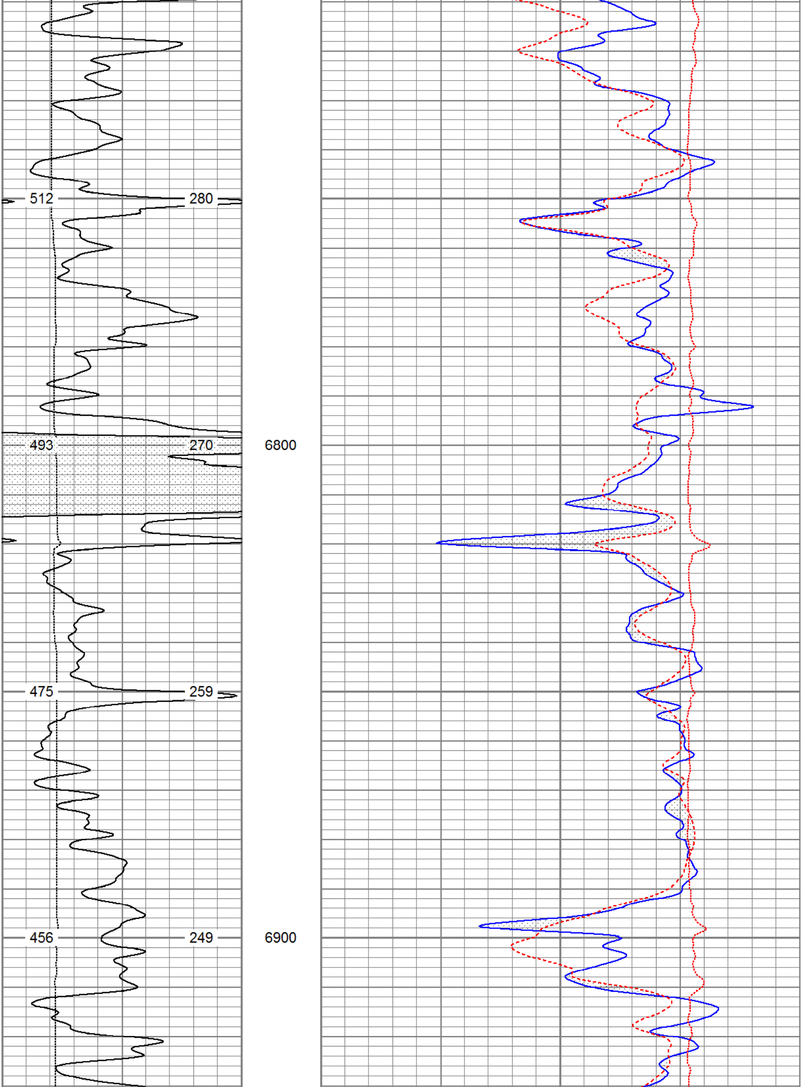

932
510
5600
913
500
895
490
5700
877
480

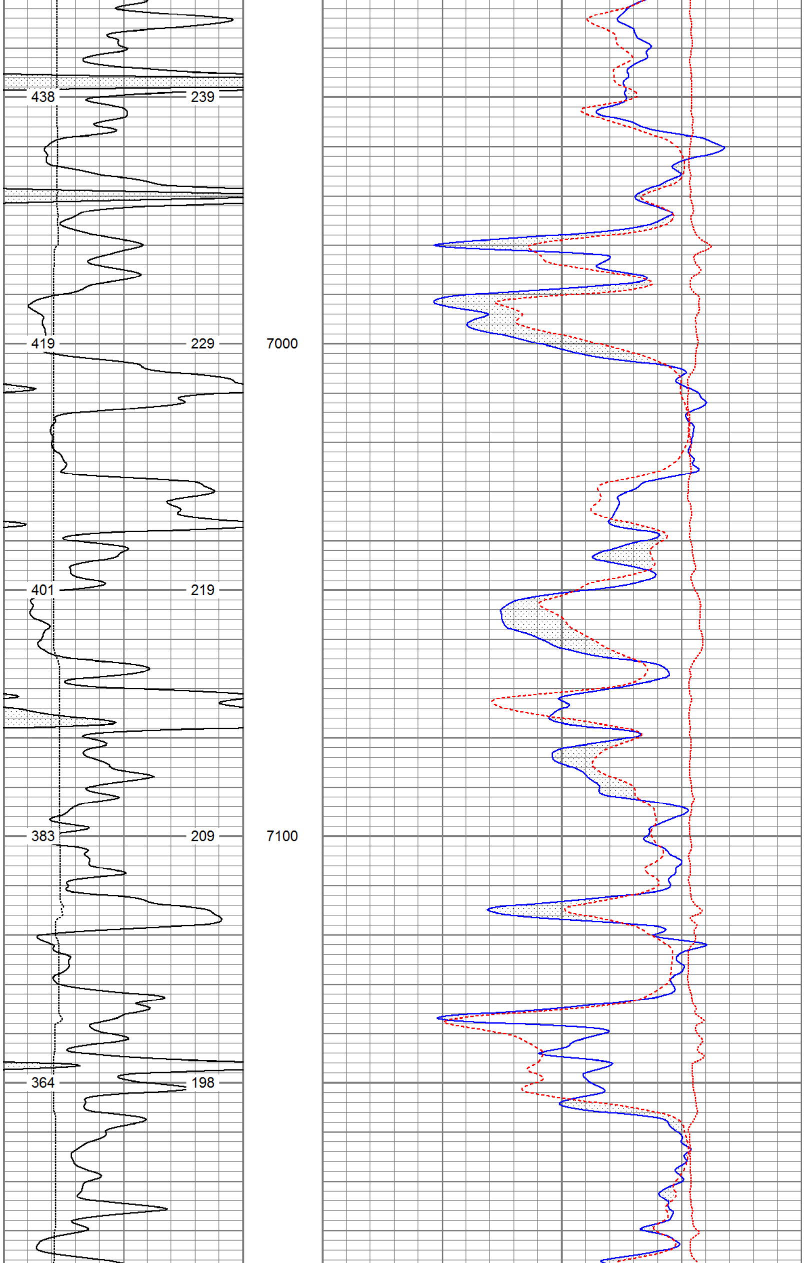

858
470
5800
839
459
819
447
5900
798
434
779
423
6000

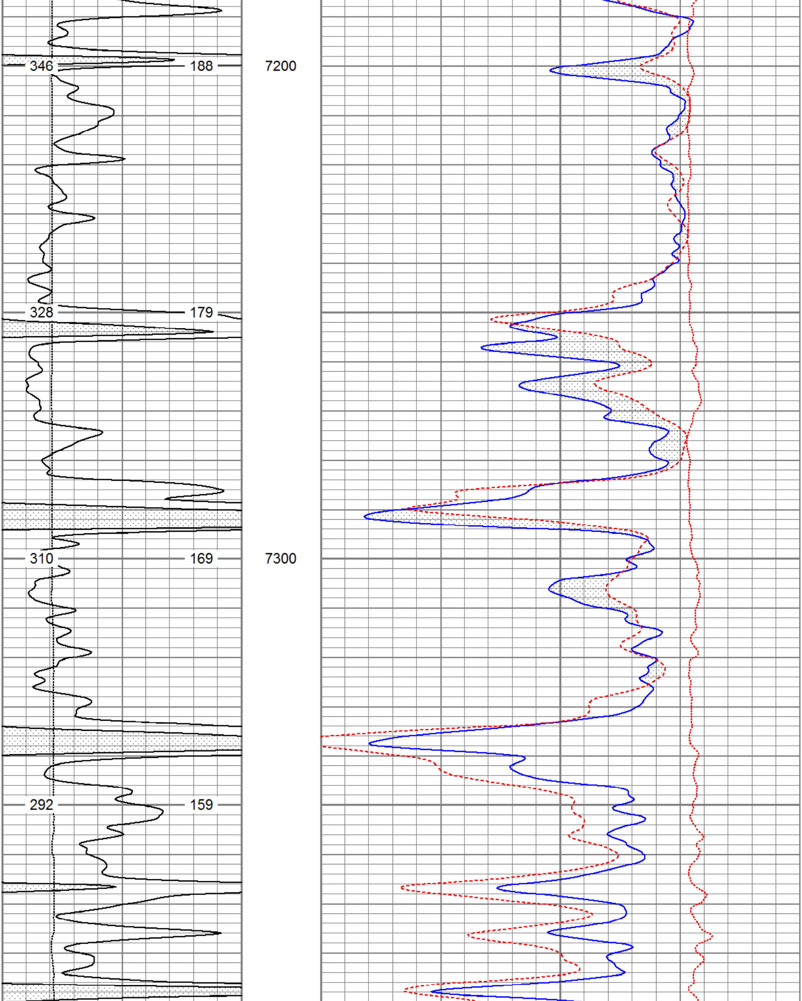

761
413
743
404
6100
725
394
707
385
6200
690
376

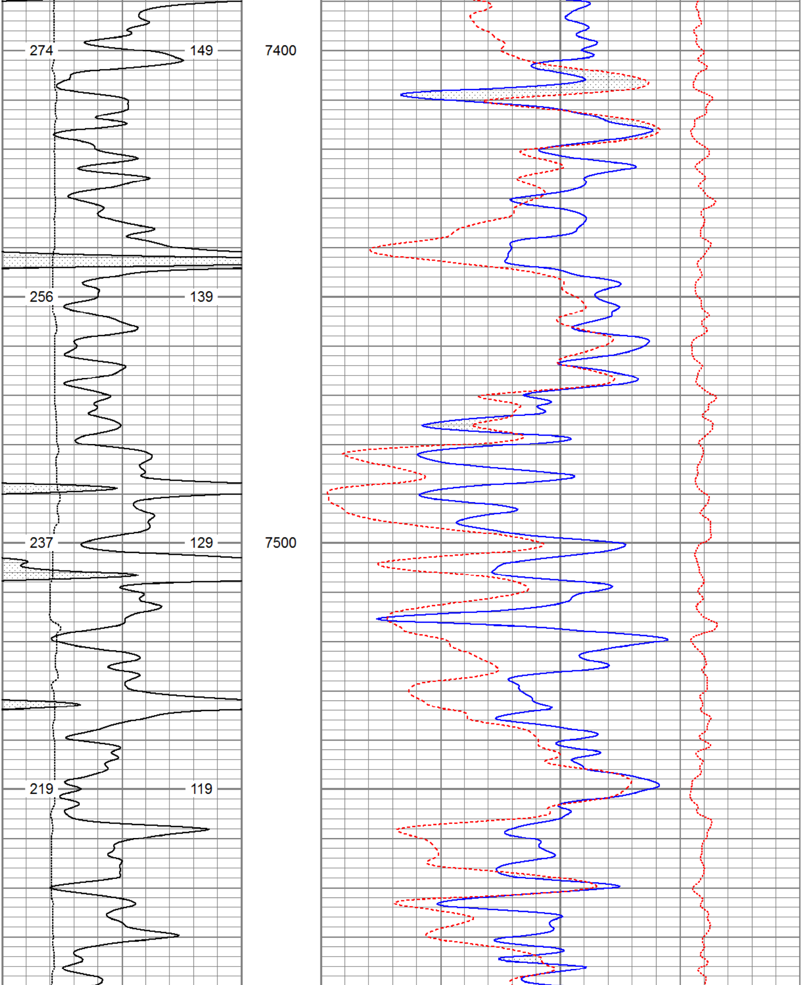

672
366
6300
655
357
637
347
6400
619
337

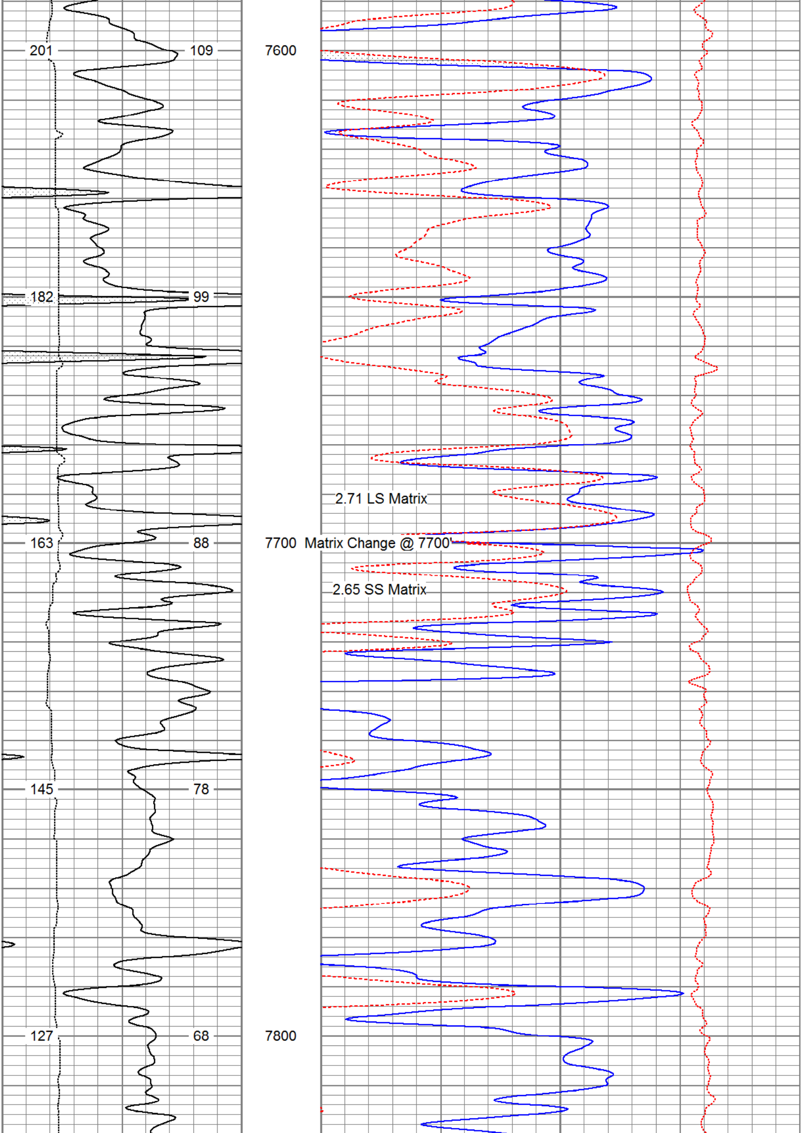

601
328
6500
583
318
565
308
6600
547
299
530
289
6700

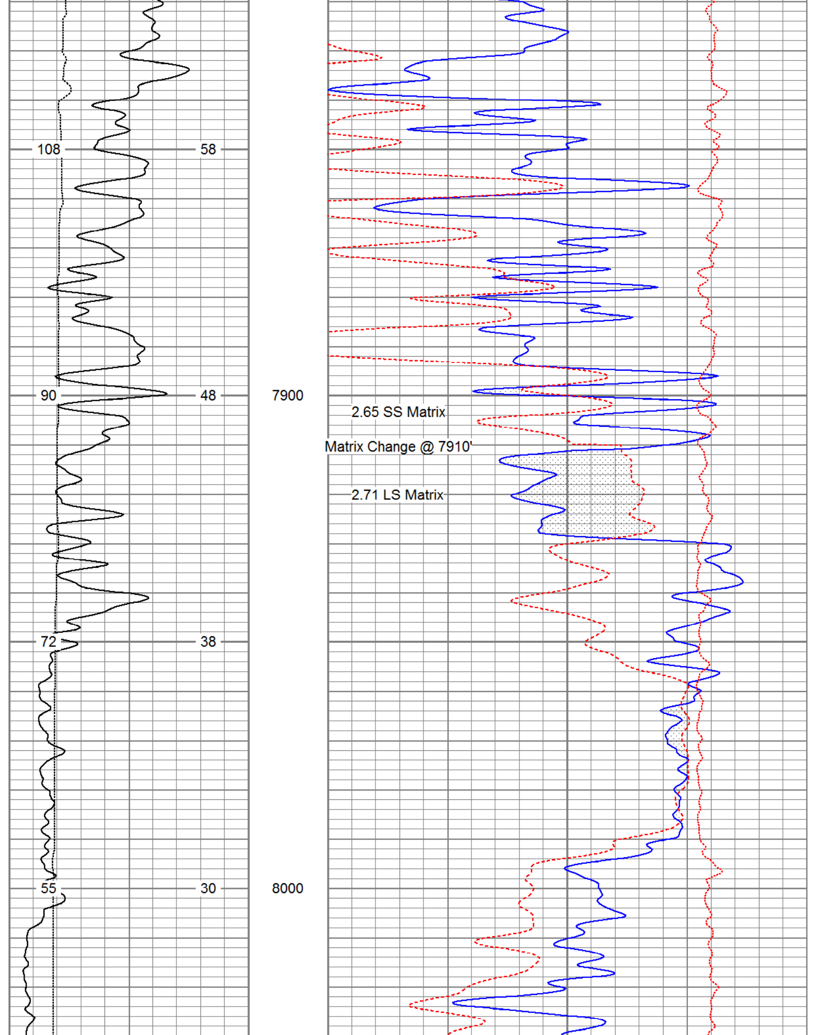

512
280
493
270
6800
475
259
456
249
6900

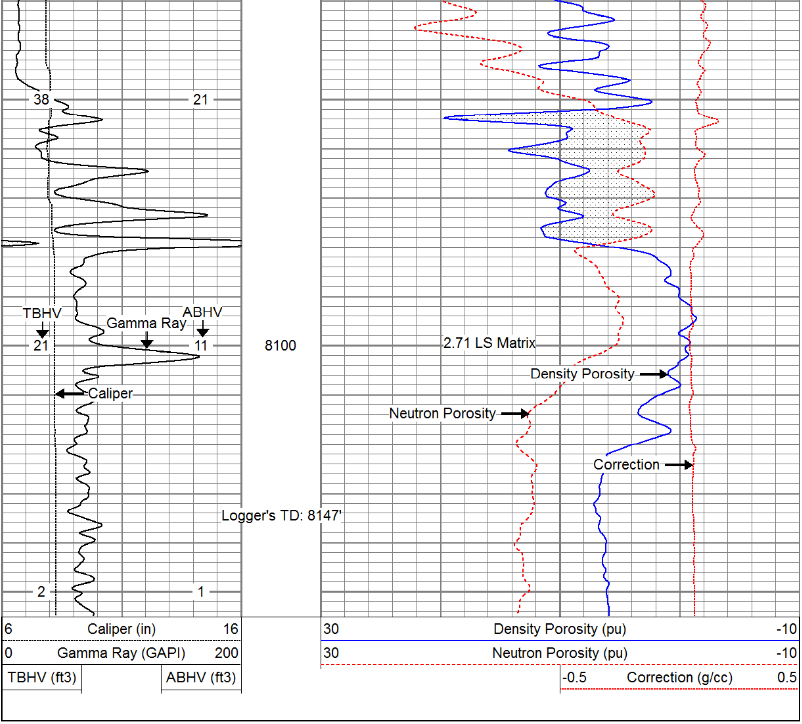

438
239
419
229
7000
401
219
383
209
7100
364
198







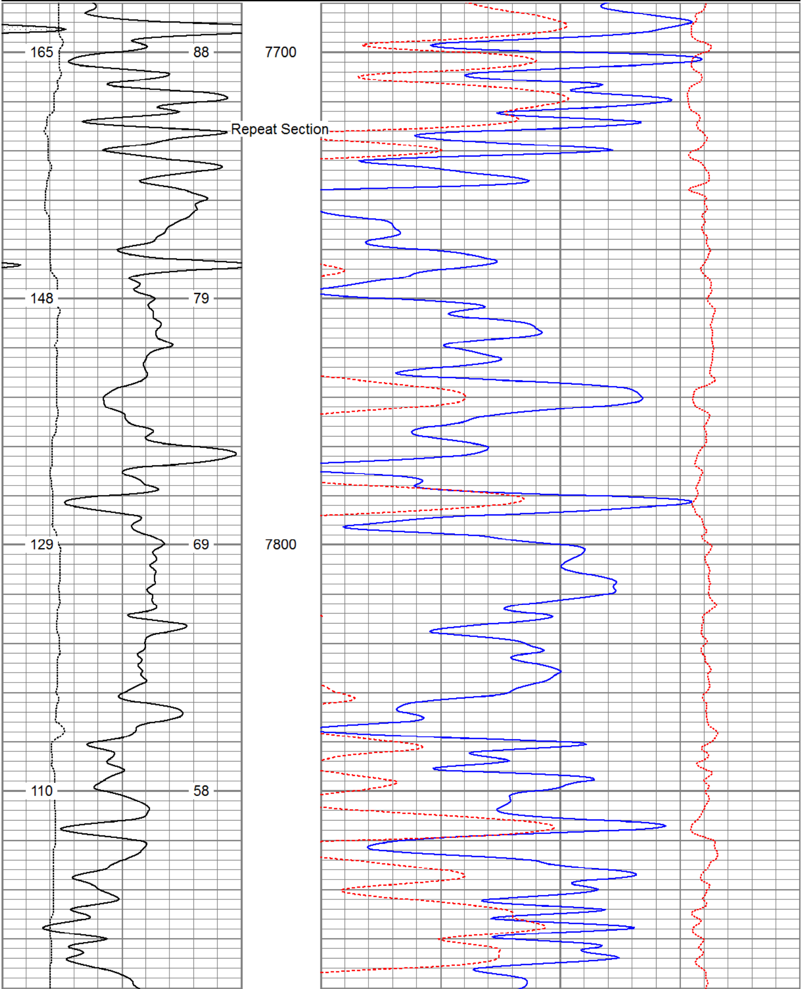


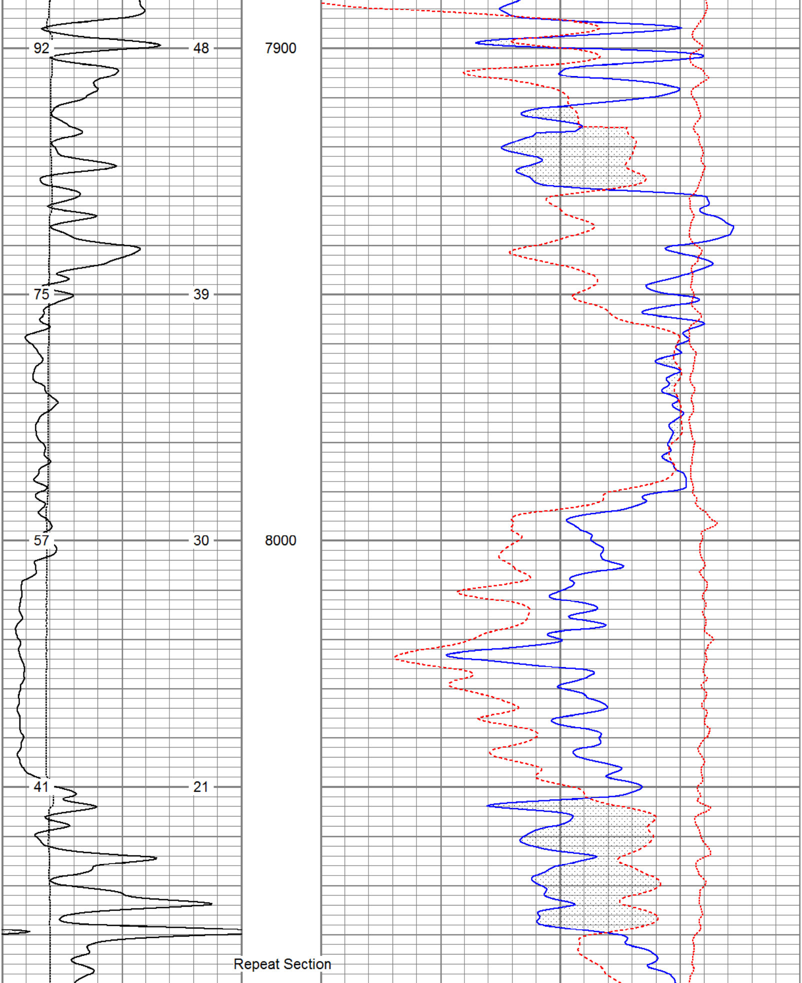


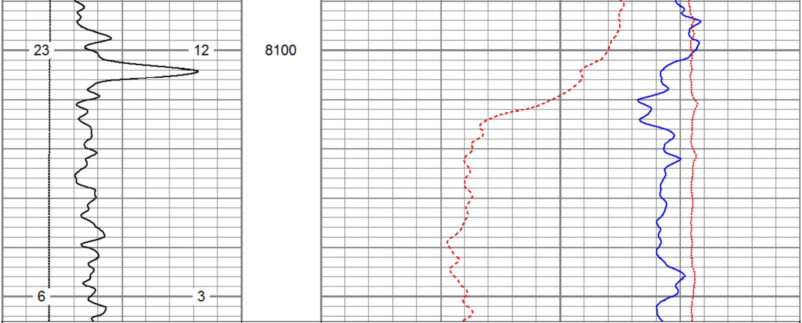
Database File: 13553.db
Dataset Pathname: pass2
Presentation Format: poro
Dataset Creation: Tue May 13 13:34:30 2014 by Log 0
Charted by: Depth in Feet scaled 1:240

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







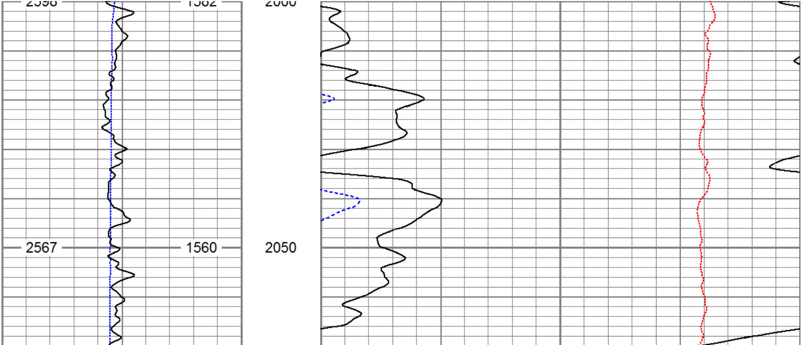
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
TBHV (ft3) ABHV (ft3)

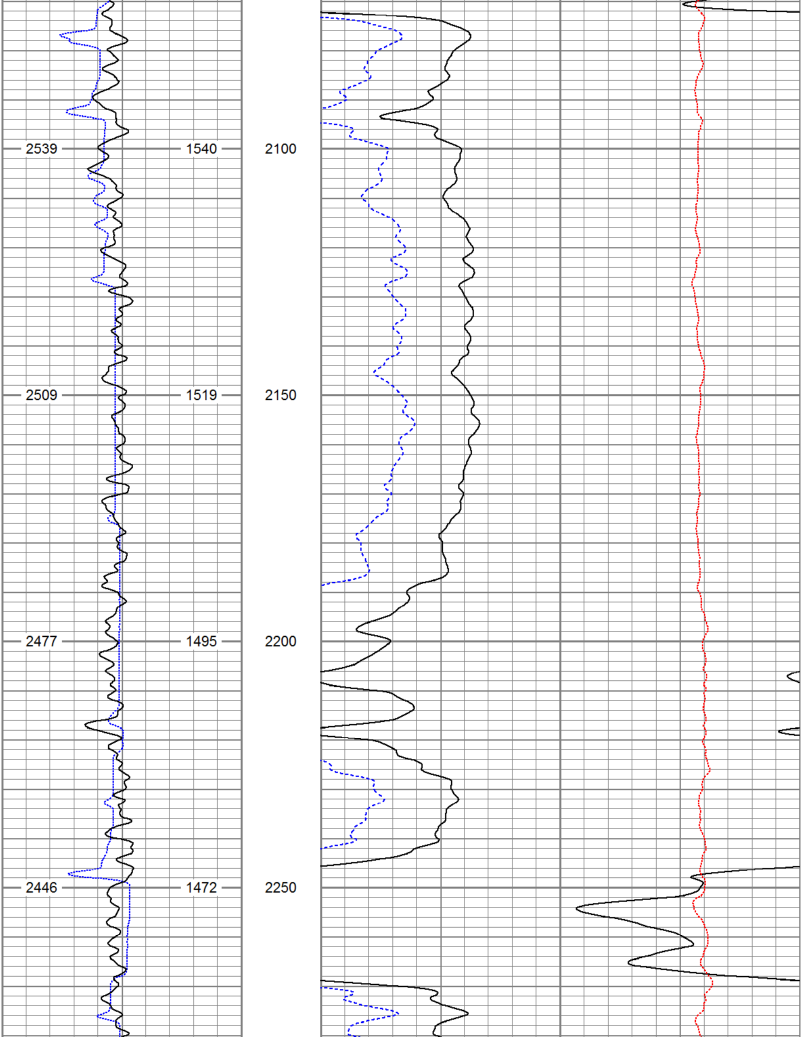
30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Correction (g/cc) 0.5

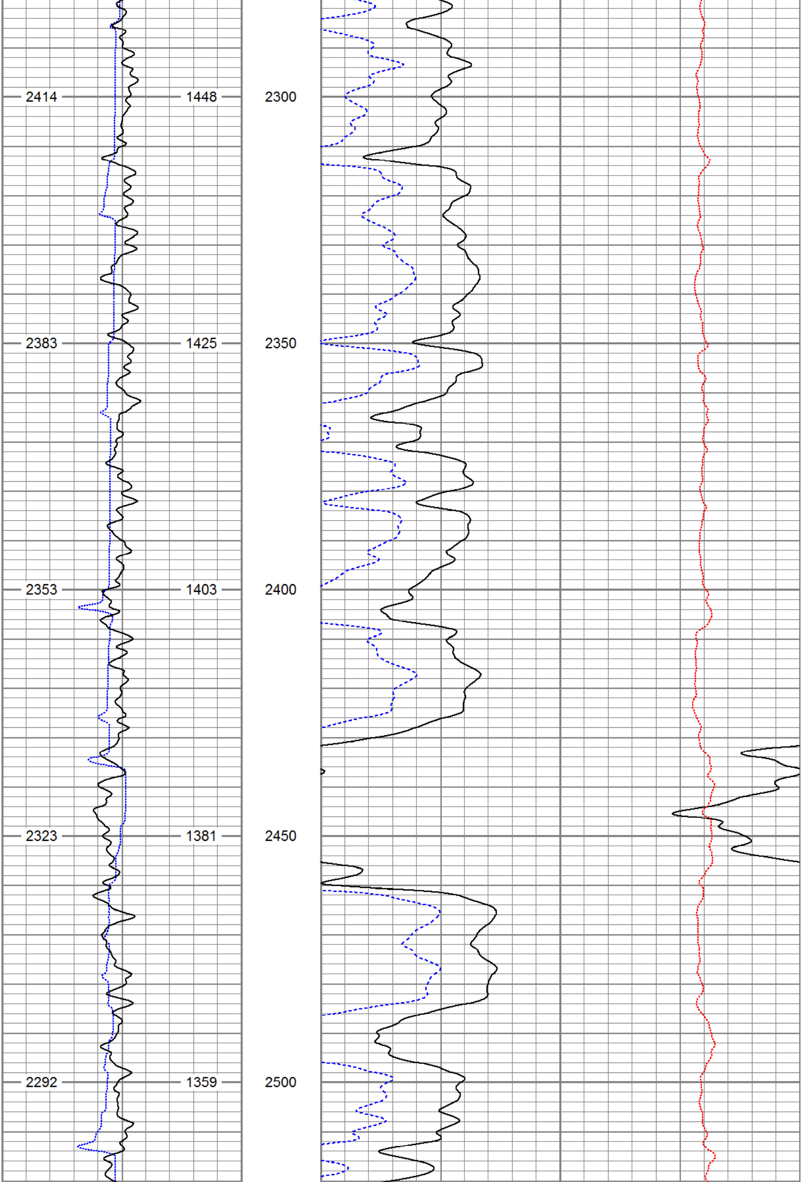
Database File: 13553.db
Dataset Pathname: Final
Presentation Format: cdl
Dataset Creation: Tue May 13 17:07:19 2014
Charted by: Depth in Feet scaled 1:240

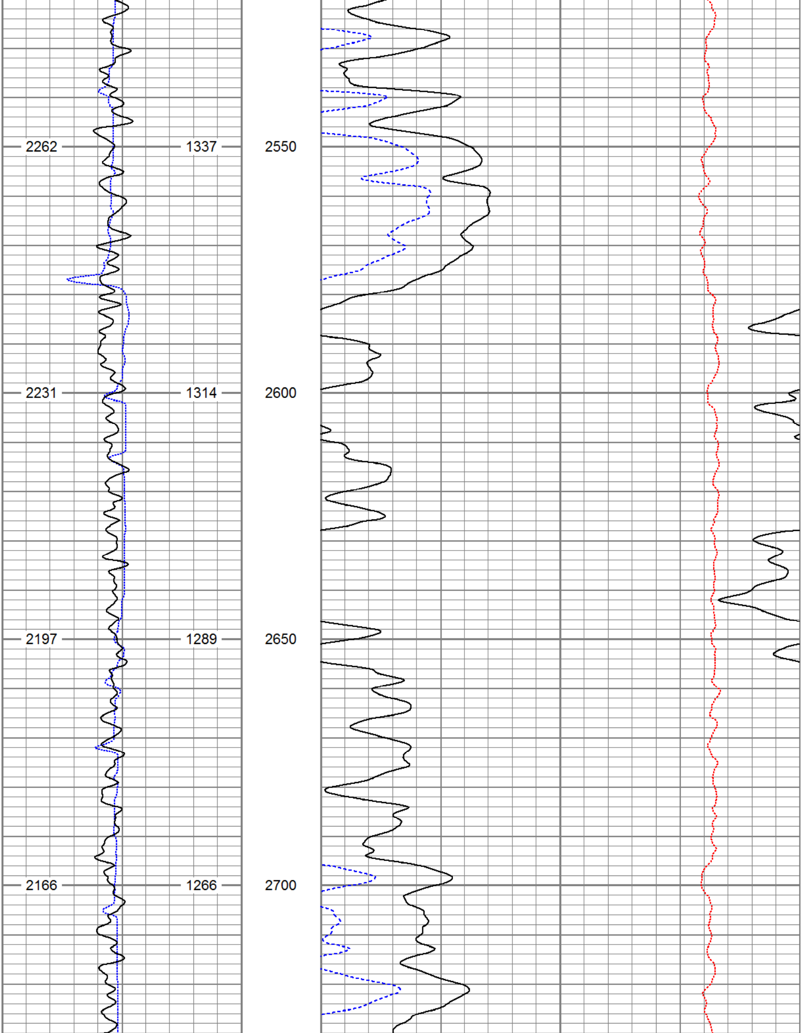
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200

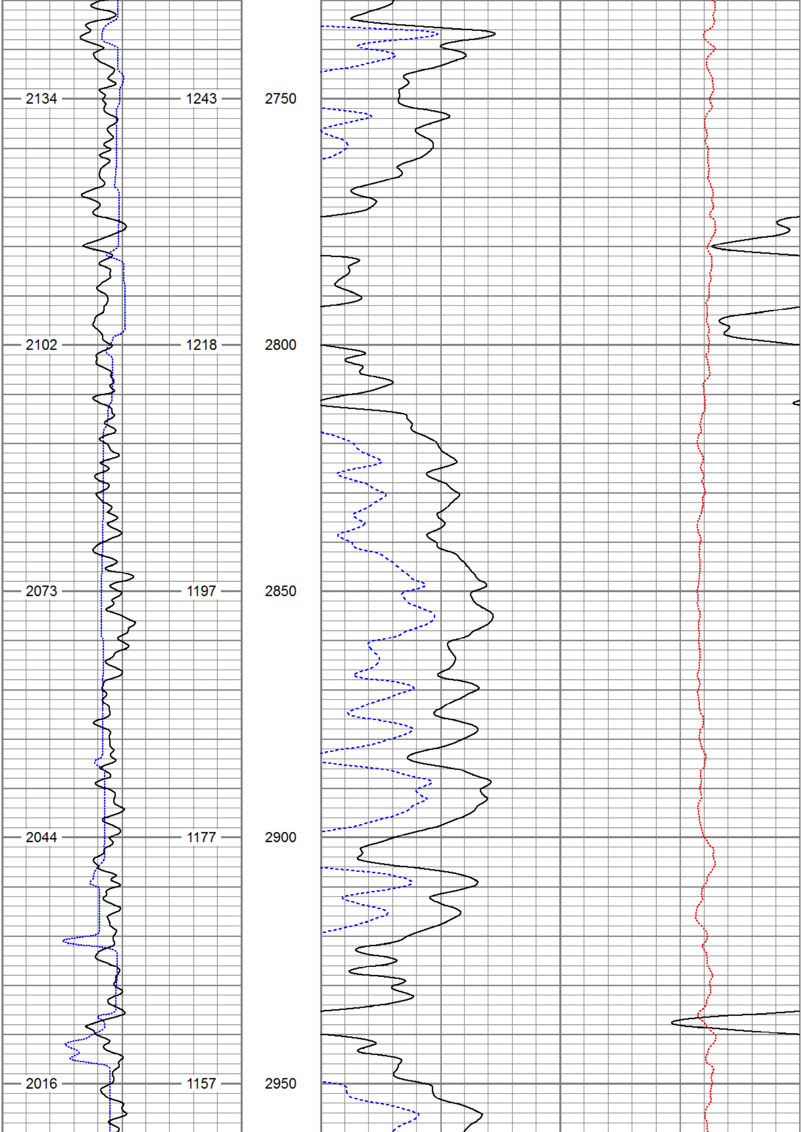
2 Bulk Density (g/cc) 3
30 Density Porosity (pu) -10
-0.5 Correction (g/cc) 0.5

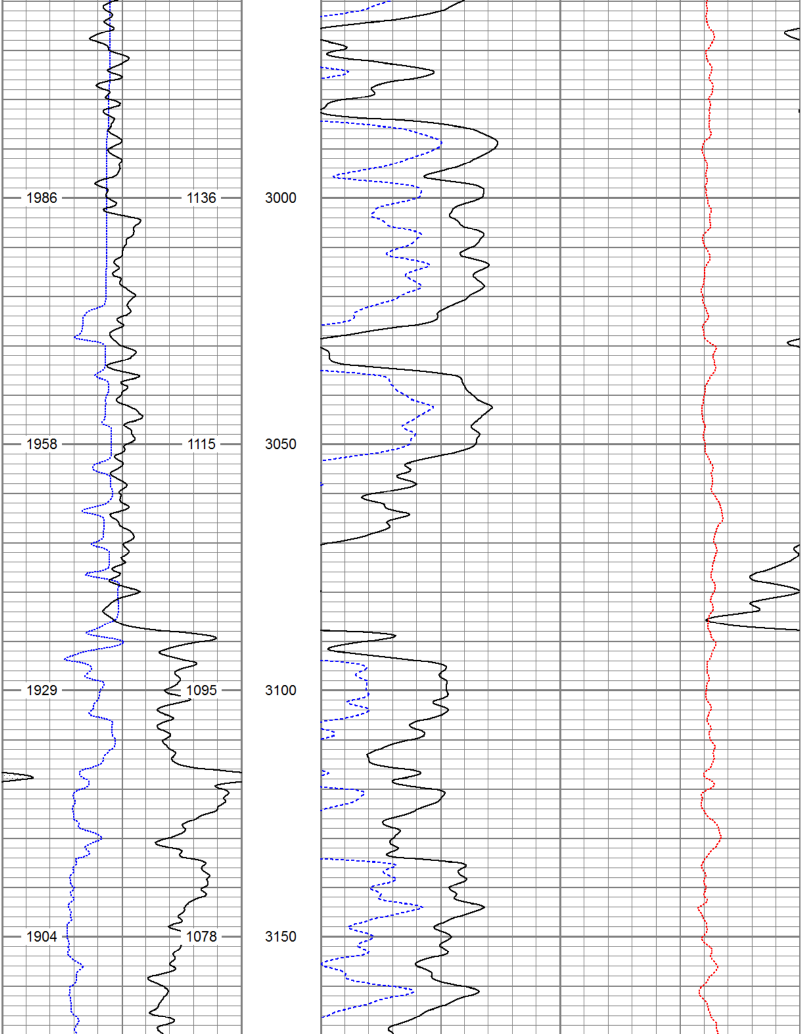


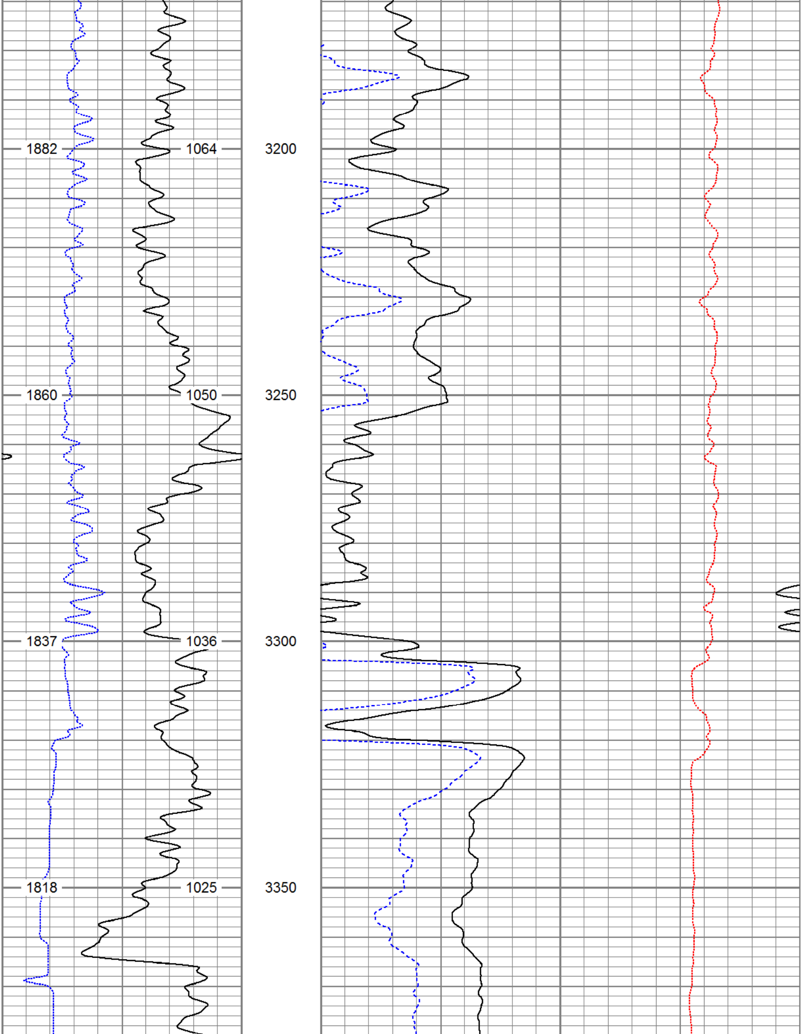


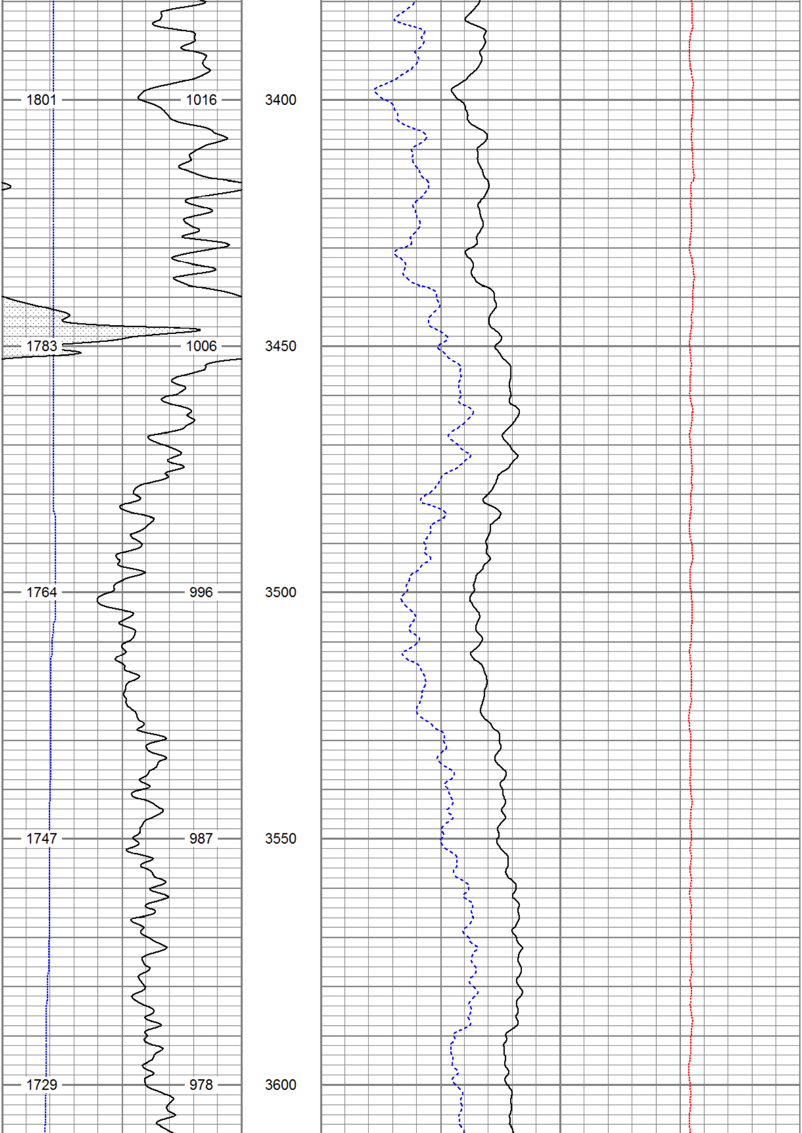


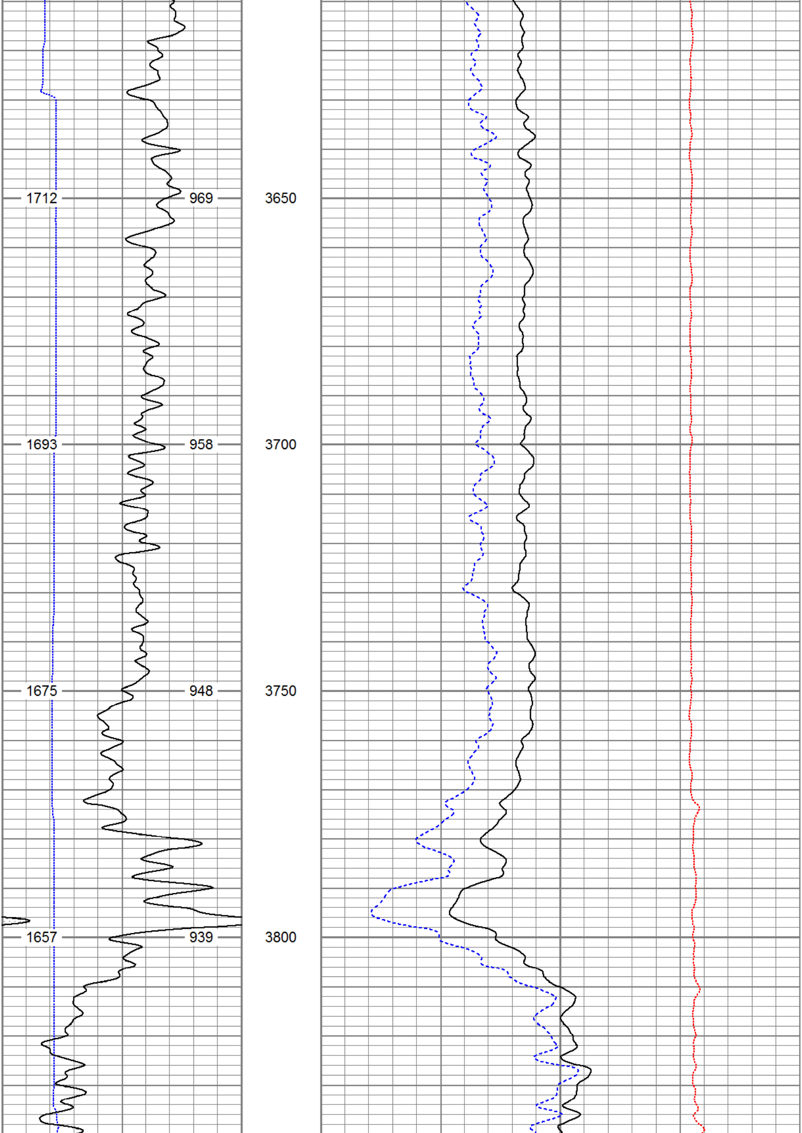


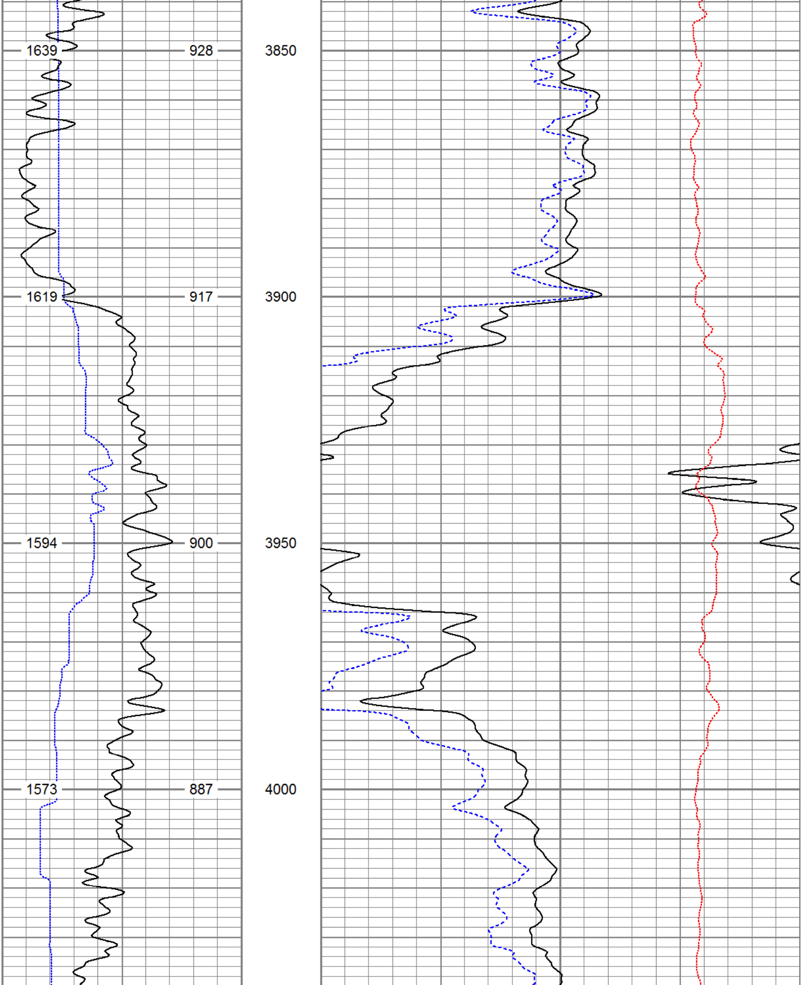


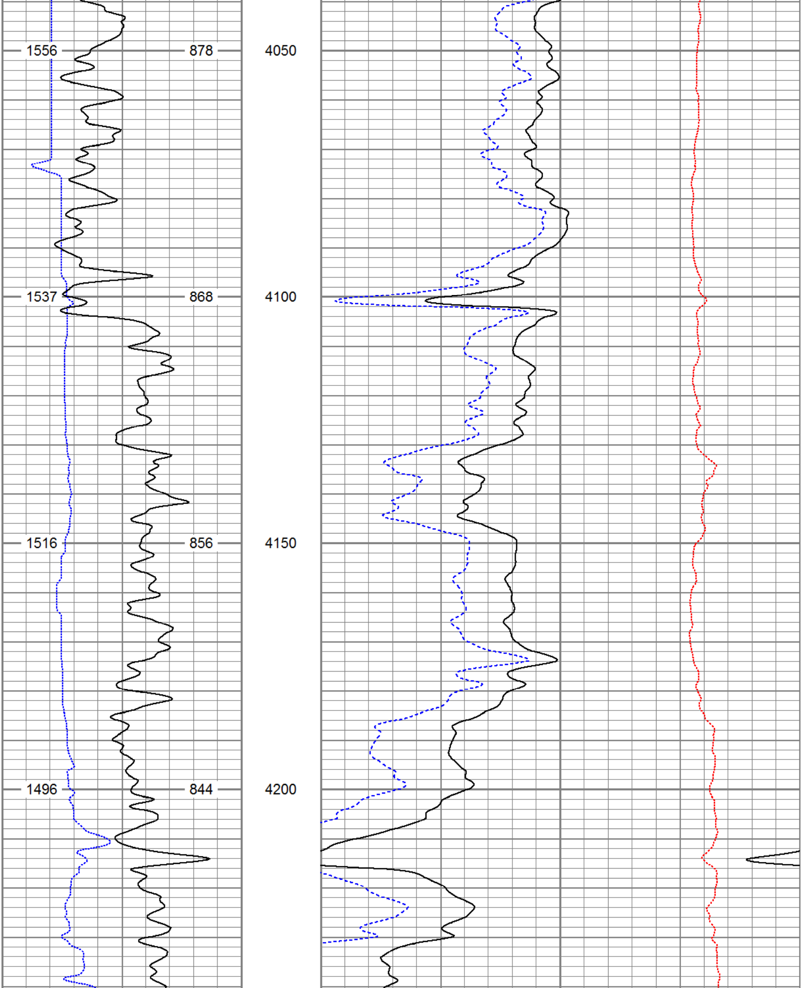


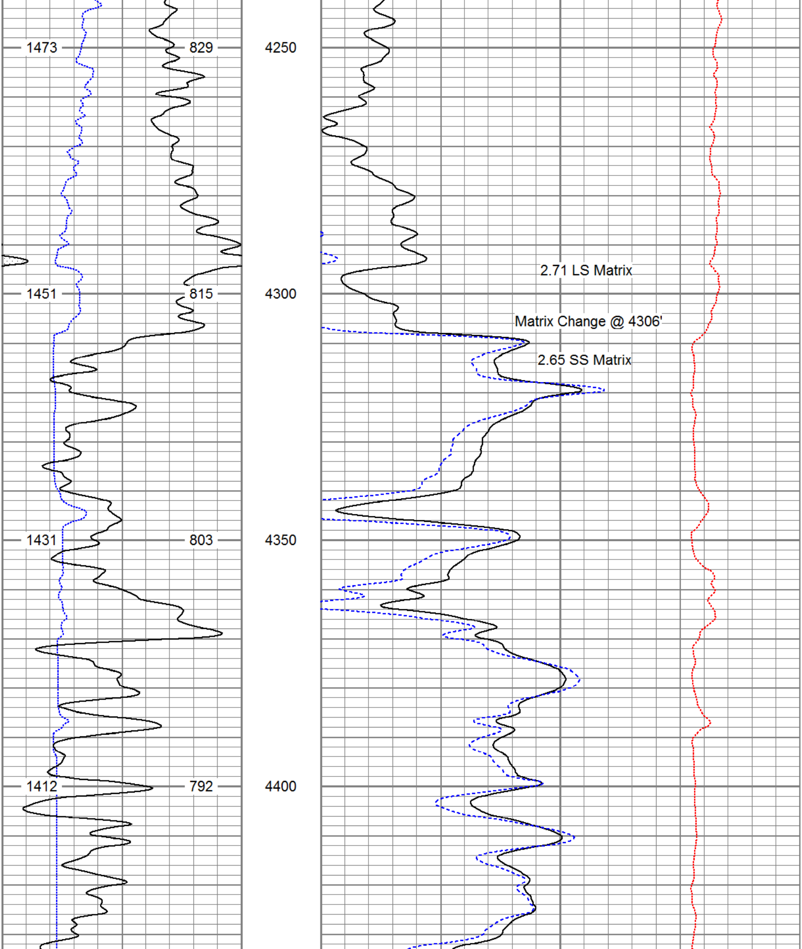












Calibration Report

Database File: 13553.db
Dataset Pathname: pass1
Dataset Creation: Tue May 13 12:53:12 2014 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
Master Calibration Performed: Mon Apr 21 14:34:15 2014

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

	Size		Reading
Small Ring		in	
Medium Ring		in	
Large Ring		in	

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: Mon Apr 21 14:34:25 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.6200 GAPI/cps