PSI
PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTON
DUAL INDUCTION

Company
Well
Field
County
State/Prv

Company	EnCana Energy Resources Inc.
Well	Williams 24-18
Field	Wattenberg
County	Weld
State	Colorado

Location
658' FSL & 1945' FWL
SE SW
Sec. 18, Twp. 2N, Rge. 68W

Other Services
Dual Induction

Elevation
K.B. 4991
D.F. 4990
G.L. 4975

Permanent Datum	GL	Elevation	4975
Log Measured From	KB		
Drilling Measured From	KB		

Date	November 22, 2004		
Run Number	1		
Depth Driller	8150		
Depth Logger	8143		
Bottom Logged Interval	8123		
Top Log Interval	4200		
Casing Driller	723		
Casing Logger	Not Logged		
Bit Size	7 7/8"		
Type Fluid in Hole	Chem/ Pol Gel		
Density / Viscosity	9.3 / 65		
pH / Fluid Loss	8.0 / 7.6		
Source of Sample	Mud pit		
Rm @ Meas. Temp	3.59 @ 72°F		
Rmf @ Meas. Temp	2.68 @ 72 °F		
Rmc @ Meas. Temp	4.51 @ 72 °F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.15 @ 225 °F		
Time Circulation Stopped	08:45		
Time Logger on Bottom	17:00		
Maximum Recorded Temperature	225 degF		
Equipment Number	4078		
Location	Brighton, CO		
Recorded By	Joe Reynolds		
Witnessed By	Tim Sherwood		

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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

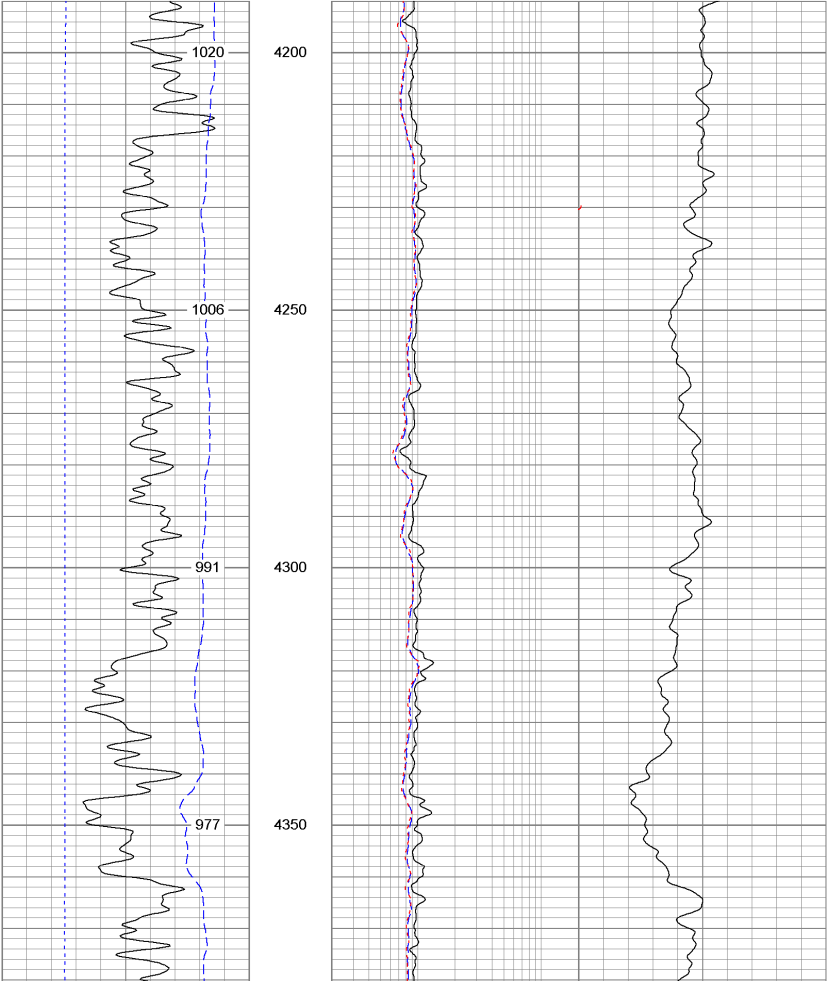
Annular volume calculated for 4.5" casing
Caza Rig 55
Thank you for using Phoenix Surveys!!
Your crew: Joe, Tony, and Jim
API#: 05 123 21957

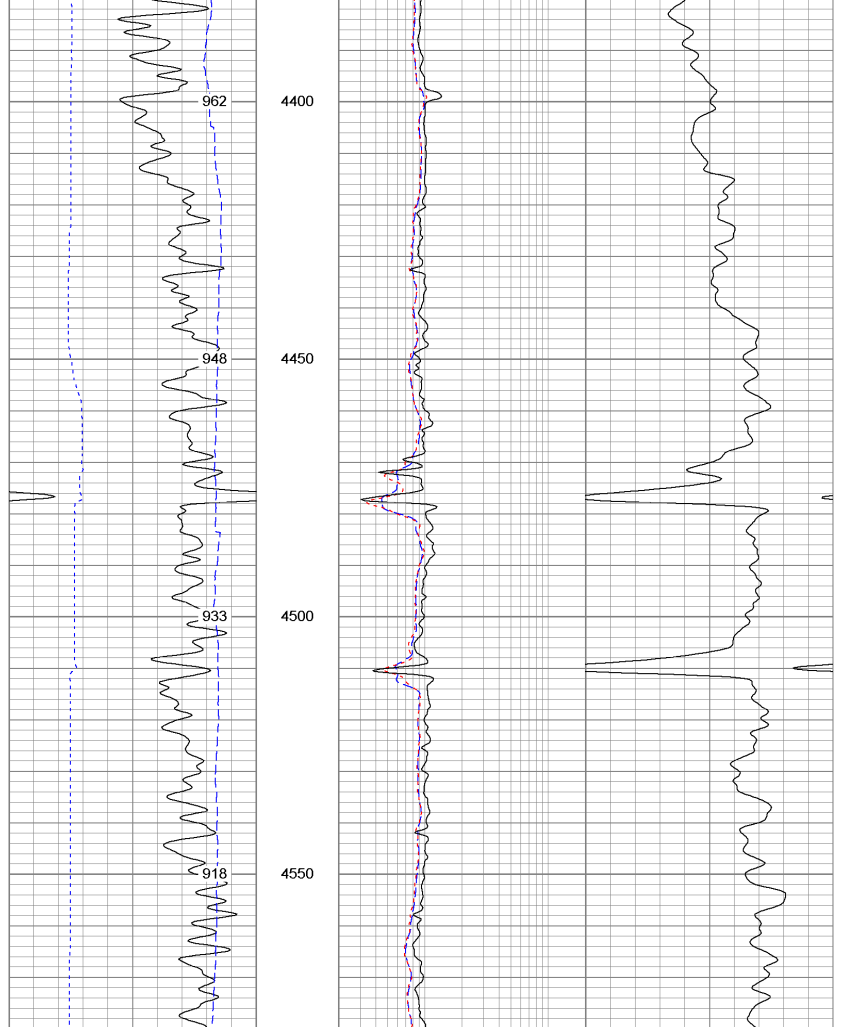
Database File:	4699.db
Dataset Pathname:	passMain
Presentation Format:	PDC1
Dataset Creation:	Mon Nov 22 17:50:24 2004
Charted by:	Depth in Feet scaled 1:240

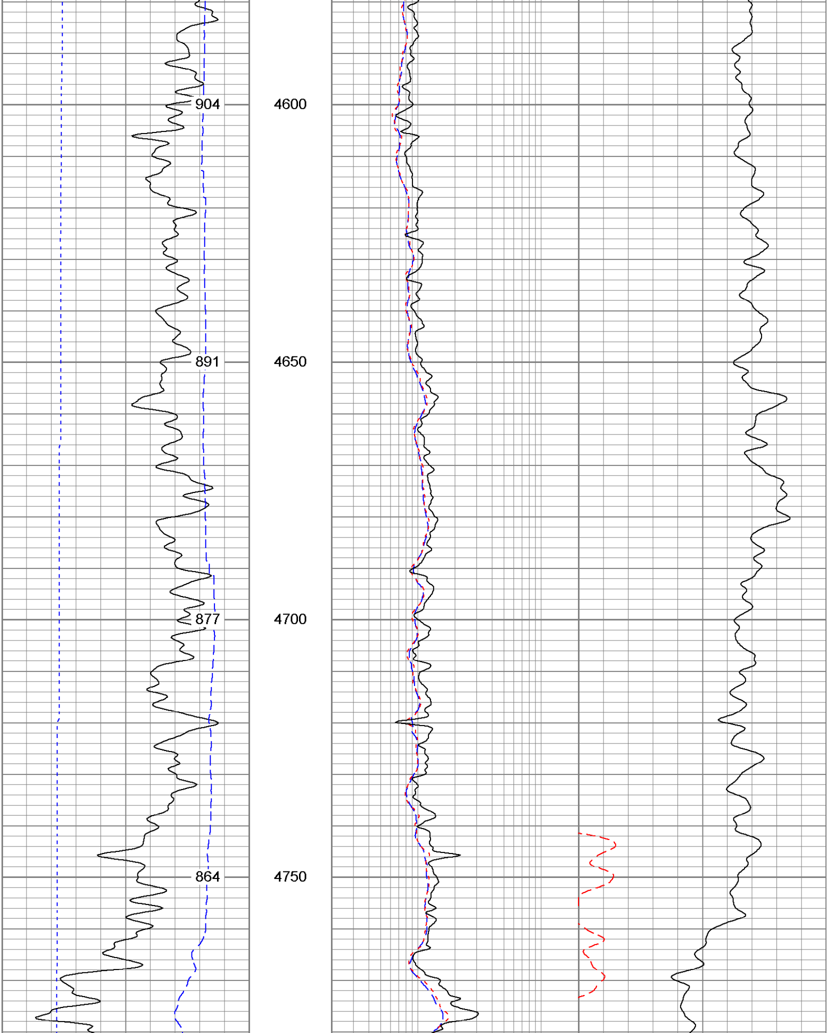
6	Density Caliper (in)	16
30	Gamma Ray (GAPI)	130
-20	SP (mV)	80

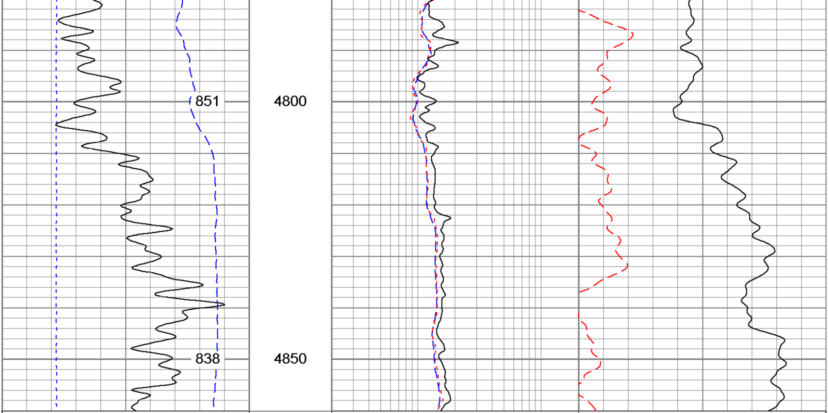
2	Deep Resistivity (Ohm-m)	200
2	Medium Resistivity (Ohm-m)	200
2	Shallow Resistivity (Ohm-m)	200

20	Density Porosity (pu)	0
20	Neutron Porosity (pu)	0





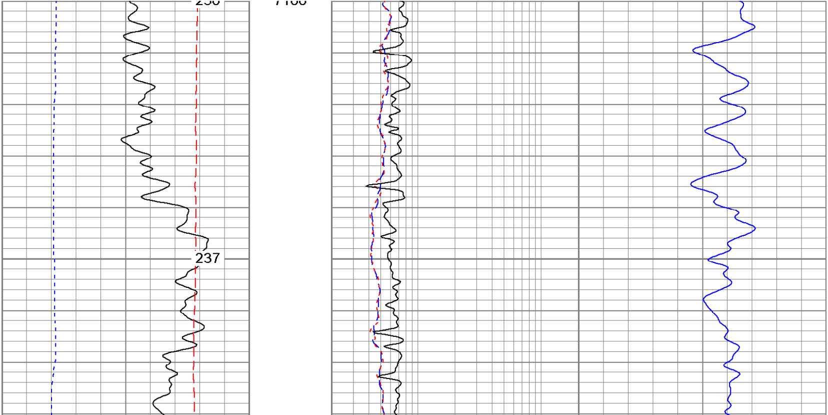


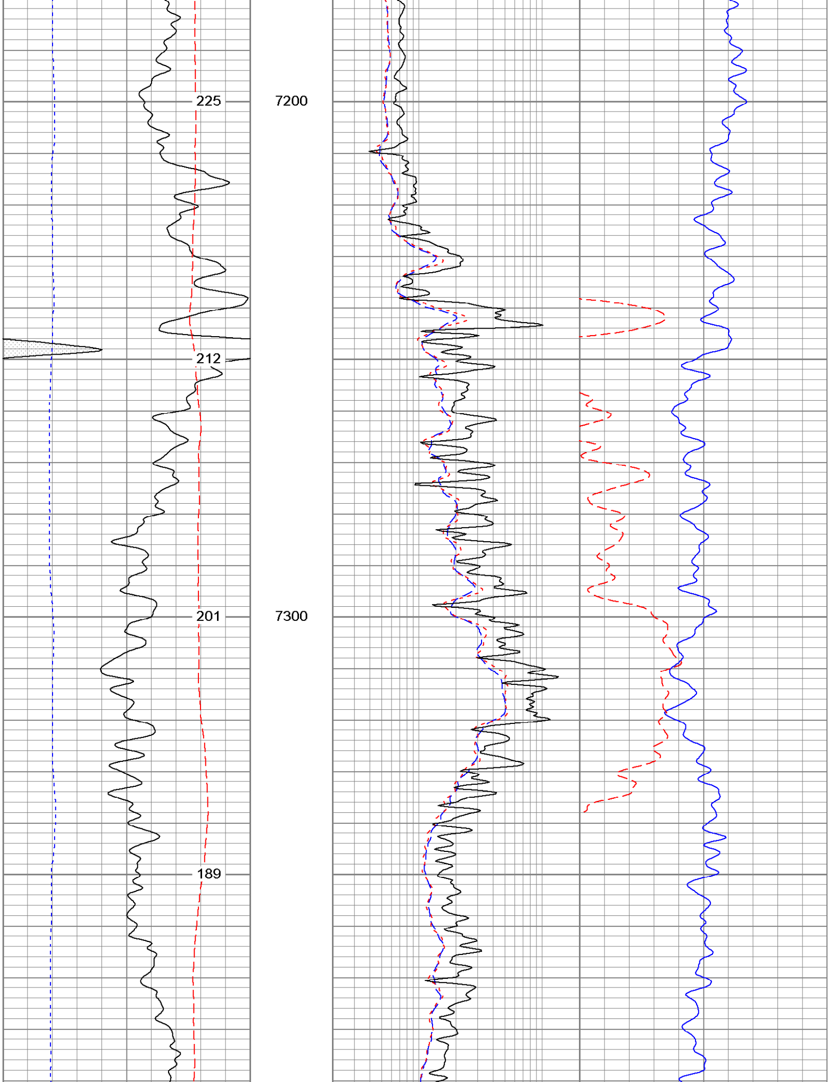


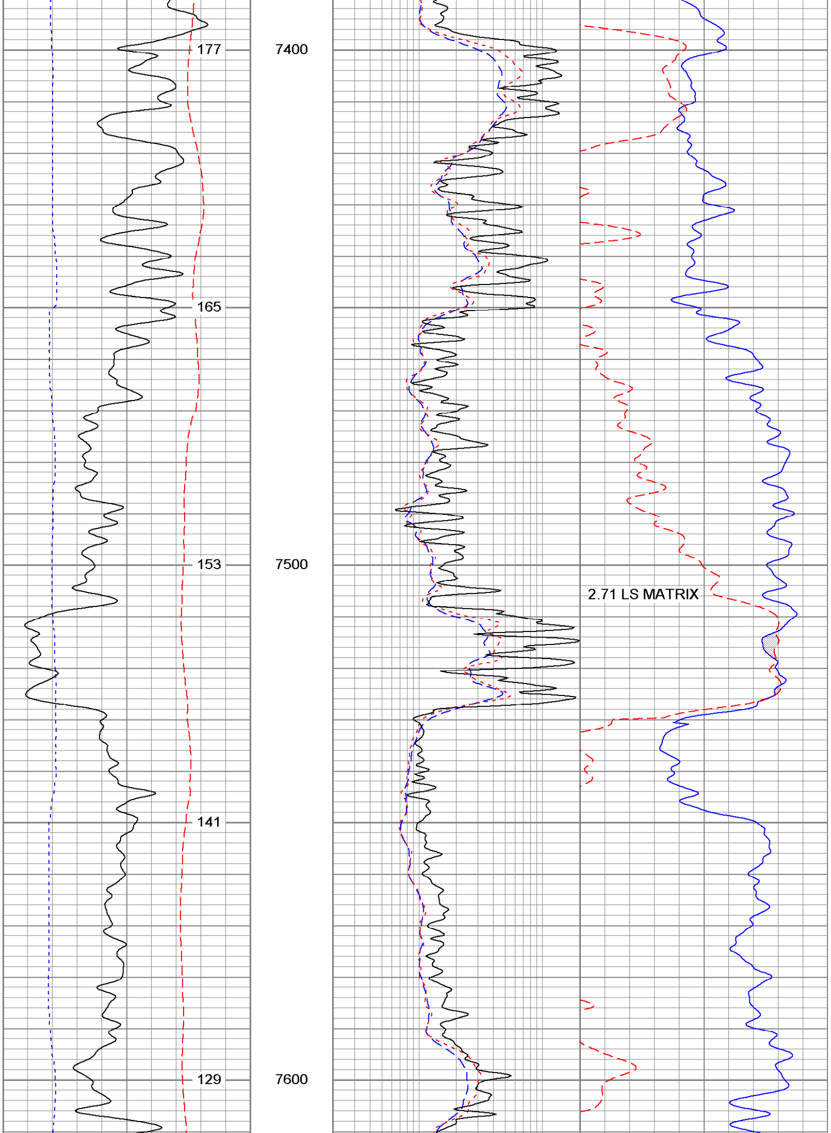
6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
-20	SP (mV)	80	2	Shallow Resistivity (Ohm-m)	200			

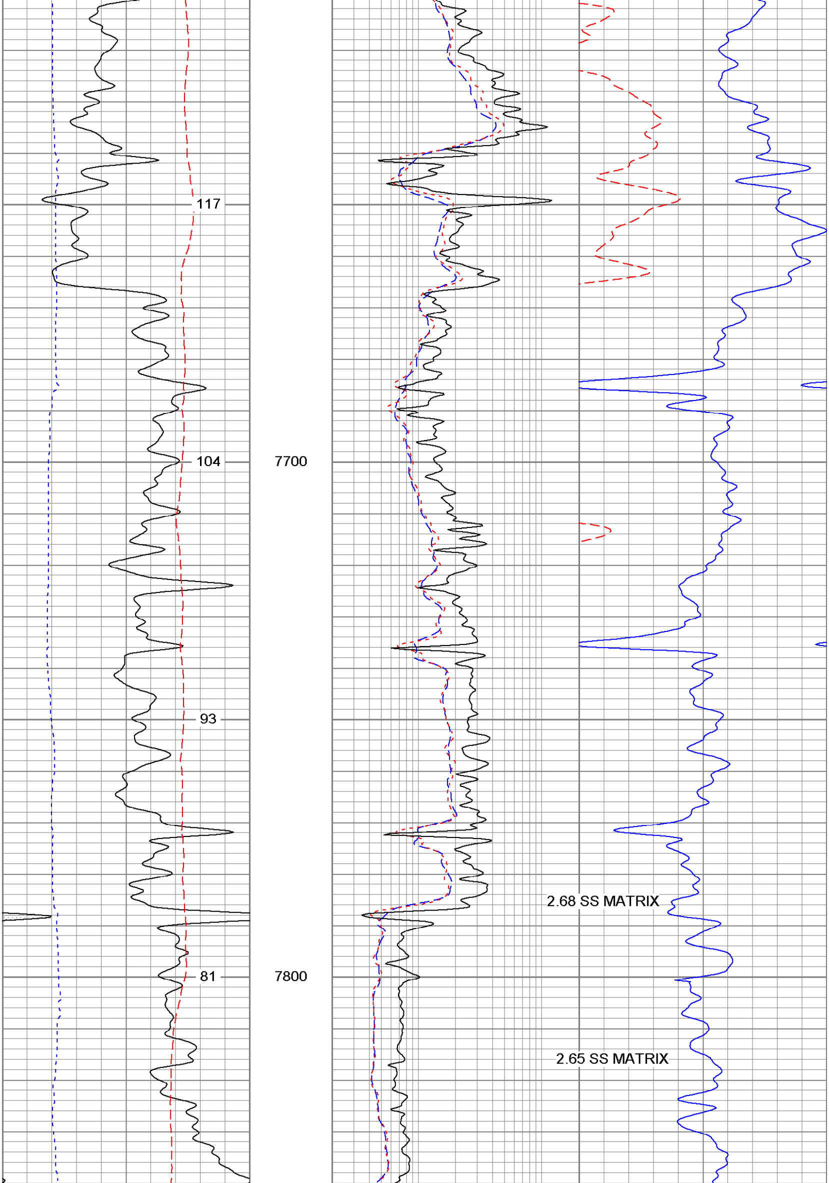
Database File:	4699.db
Dataset Pathname:	passMain
Presentation Format:	PDC
Dataset Creation:	Mon Nov 22 17:50:24 2004
Charted by:	Depth in Feet scaled 1:240

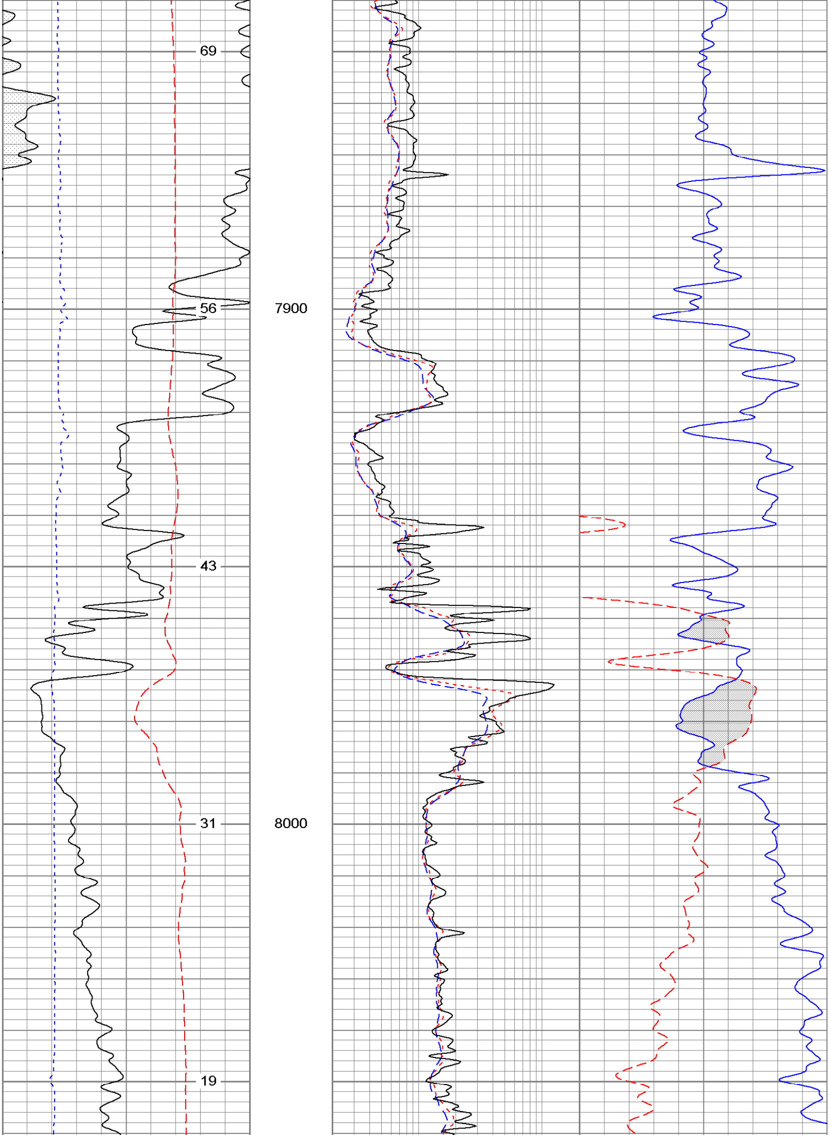
6	Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
0	Gamma Ray (GAPI)	200	2	Medium Resistivity (Ohm-m)	200	20	CN Porosity (pu)	0
0	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			

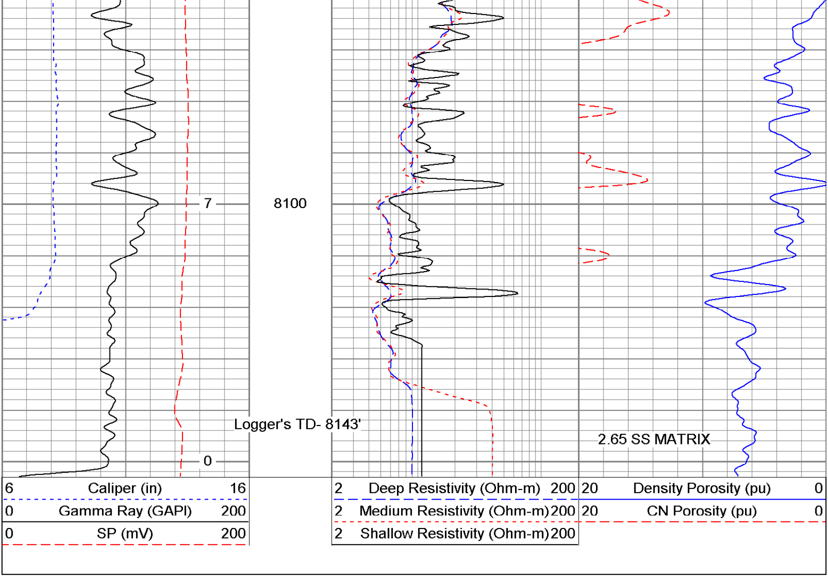











7
8100
0
Logger's TD- 8143'
2.65 SS MATRIX
6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
0 SP (mV) 200
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
20 Density Porosity (pu) 0
20 CN Porosity (pu) 0