HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON
MICROLOG

PIONEER
Pioneer Energy Services

Company	Noble Energy Inc.
Well	Lower Latham PC G02-22D
Field	Wattenberg
County	Weld
State	Colorado

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Well Lower Latham PC G02-22D
Field Wattenberg
County Weld State Colorado
Location: API # : 051233390700
SHL: 1918' FNL & 622' FEL SENE
BHL: 2445' FNL & 1334' FEL SWNE
SEC 2 TWP 4N RGE 65W

Other Services
none

Permanent Datum	GL	Elevation 4692	Elevation
Log Measured From	KB		K.B. 4705
Drilling Measured From	KB		D.F. 4705
			G.L. 4692

Date	August 23, 2012		
Run Number	1		
Depth Driller	7297		
Depth Logger	7300		
Bottom Logged Interval	7300		
Top Log Interval	729		
Casing Driller	Casing		
Casing Logger	729		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	10.3 / 48		
pH / Fluid Loss	10.0 / 8.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	2.90 @ 73 F		
Rmf @ Meas. Temp	2.32 @ 73 F		
Rmc @ Meas. Temp	23.48 @ 73 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.02 @ 208 F		
Time Circulation Stopped	0200		
Time Logger on Bottom	0730		
Maximum Recorded Temperature	208 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Kelly Keever		
Witnessed By	Vern Stewart		

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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.

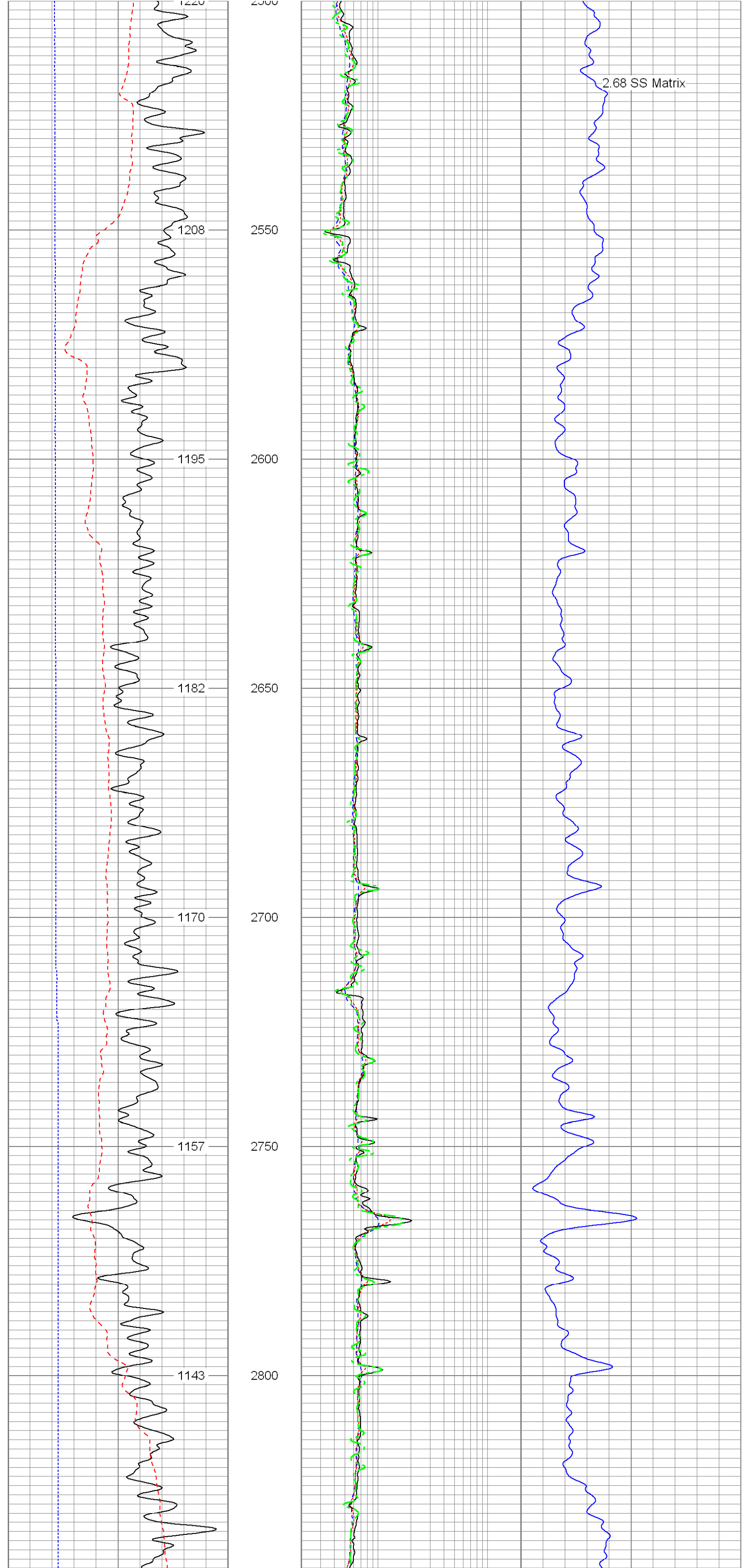
Comments

Annular volume calculated for 4.5" casing
Ensign Drilling Rig 136
Thank you for using Pioneer Energy Services!!

No repeat pass due to hole conditions!!

Database File: 13064.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Thu Aug 23 07:51:31 2012
Charted by: Depth in Feet scaled 1:240

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
80	SP (mV)	180	2	Shallow Resistivity (Ohm-m)	200		
	ABHV (ft3)		2	Rt (Ohm-m)	200		



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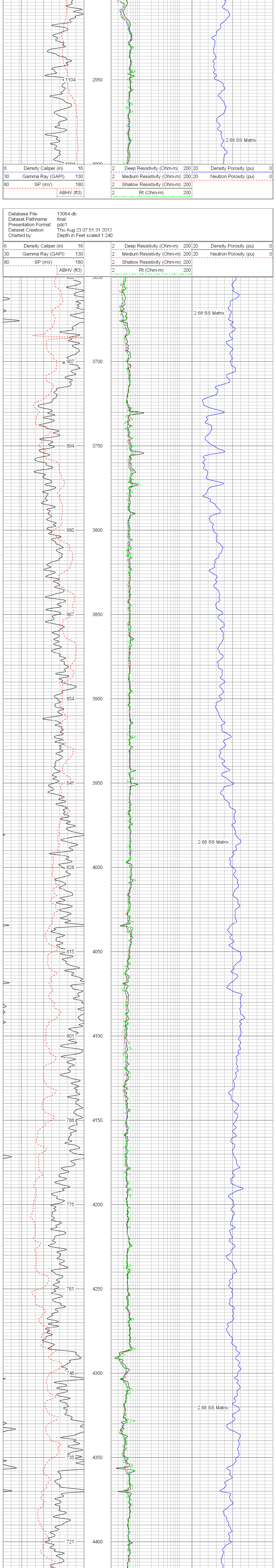

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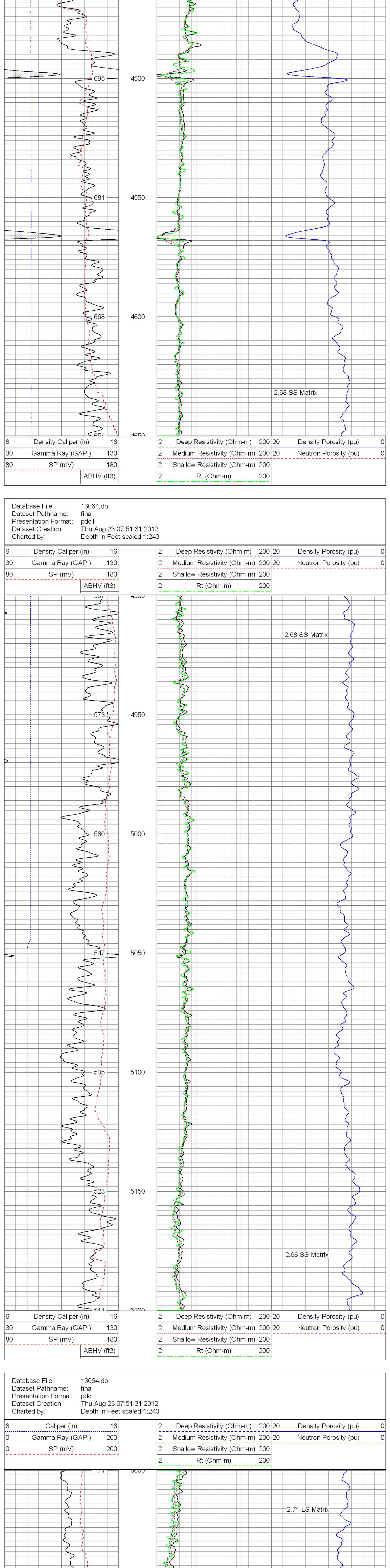

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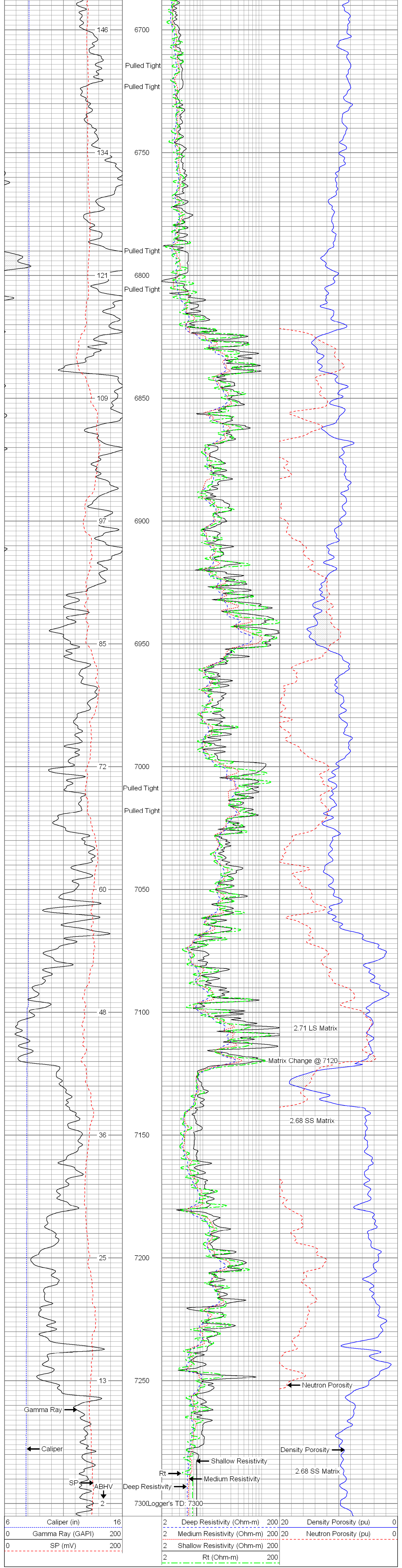

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