Pioneer Energy Services

Radiation Guard
Log

API No.	15-135-25,516-00-00
Company	Palomino Petroleum, Inc.
Well	Quenzer-Norton No. 1
Field	Wildcat
County	Ness
State	Kansas
Location	NW SW SW NW 2,197' FNL & 146' FWL
Sec:	13
Twp:	17S
Rge:	26W
Other Services	None

Permanent Datum Ground Level Elevation 2517
Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2528
D.F.
G.L. 2517

Date	12/18/2012		
Run Number	One		
Depth Driller	4540		
Depth Logger	4544		
Bottom Logged Interval	4543		
Top Log Interval	200		
Casing Driller	8.625 @ 226		
Casing Logger	220		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	3600		
Density / Viscosity	9.4 52		
pH / Fluid Loss	9.0 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.20 @ 65		
Rmf @ Meas. Temp	.90 @ 65		
Rmc @ Meas. Temp	1.62 @ 65		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.64 @ 121		
Operating Rig Time	2 1/2 Hours		
Max Rec. Temp. F	121		
Equipment Number	108		
Location	Hays		
Recorded By	J. Long		
Witnessed By	Kevin Bailey		

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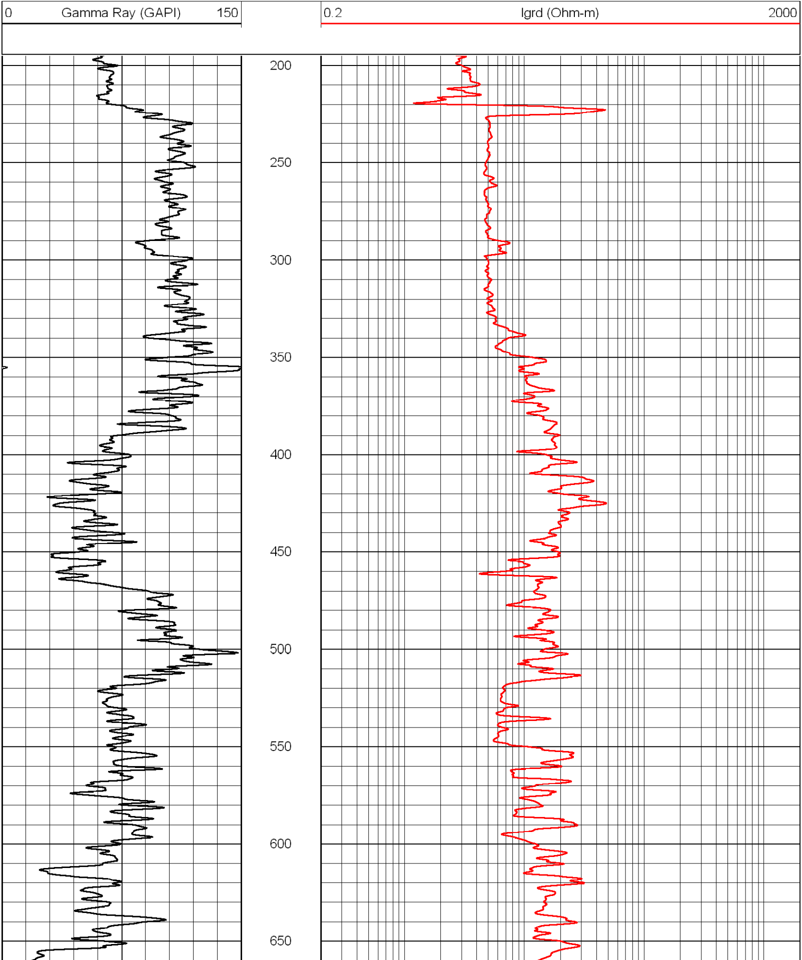
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

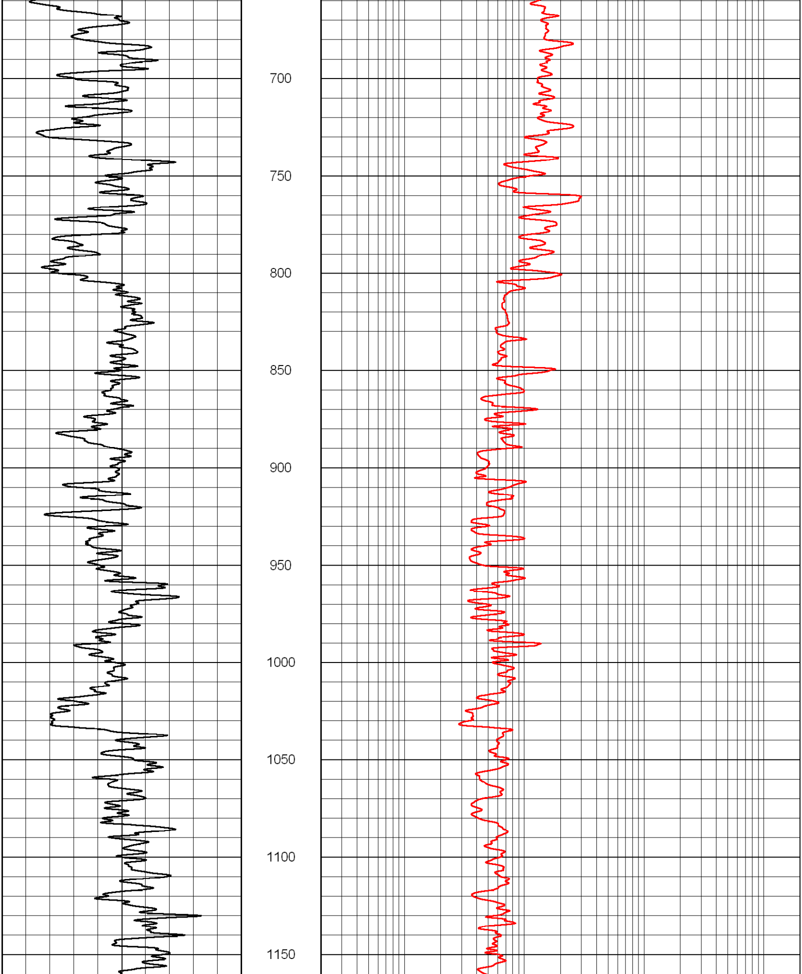
Comments

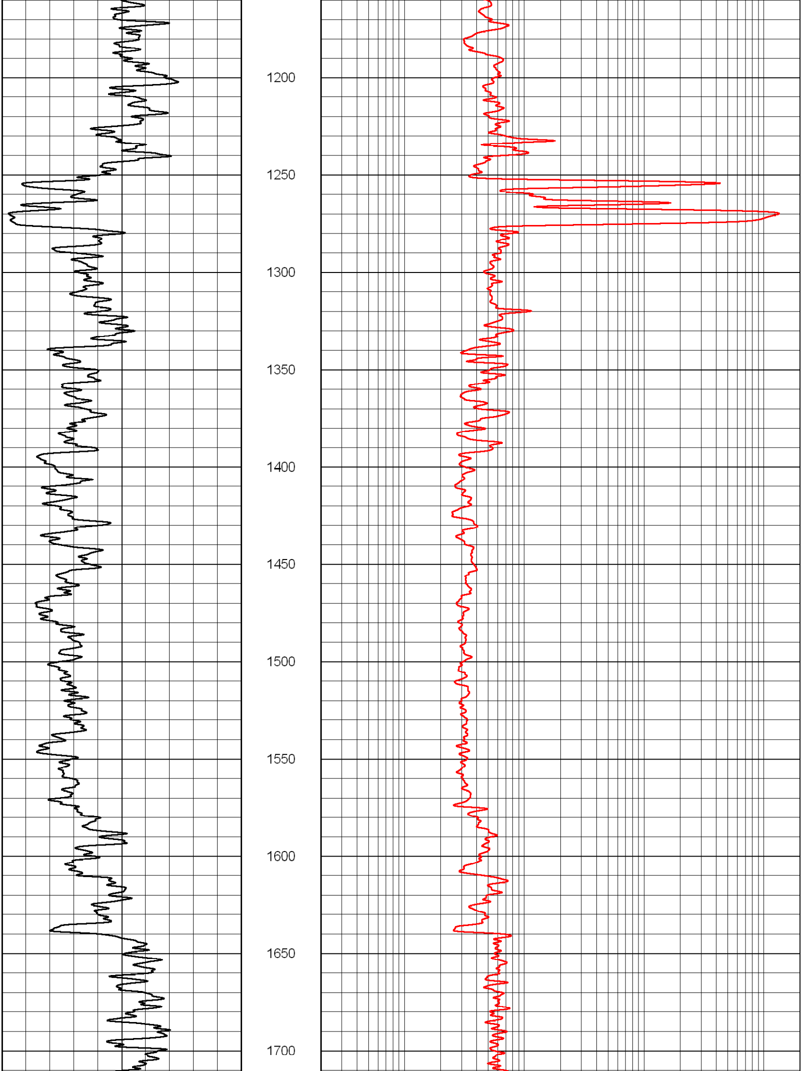
Thank you for using Pioneer Energy Services
785.625.3858

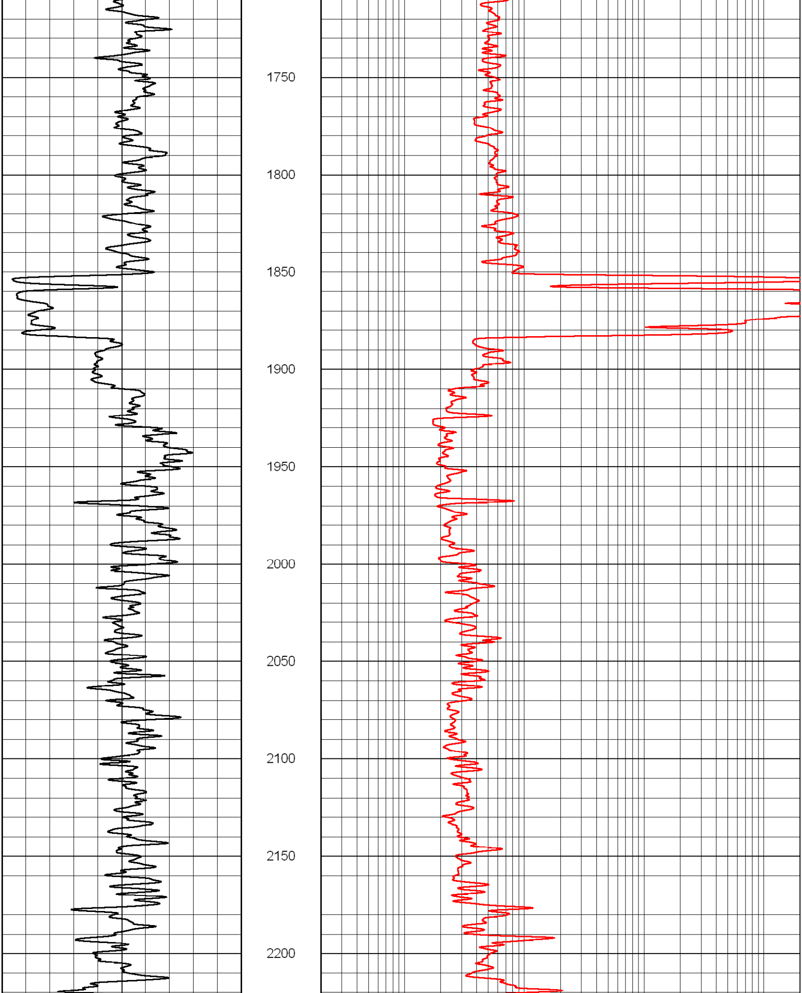
Utica, 1/2 East to E Road, 4 1/2 South, East Into

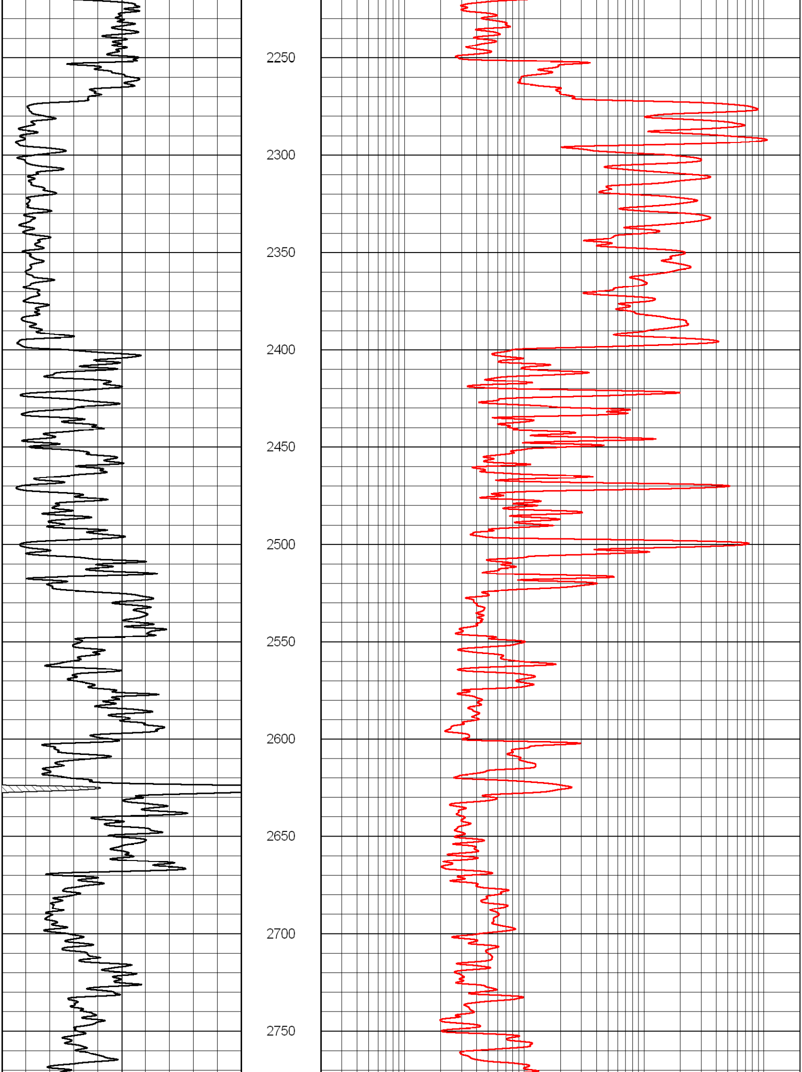
Database File:	palomino_quenzer-norton_1.db
Dataset Pathname:	rag/pass3.1
Presentation Format:	rag2in
Dataset Creation:	Tue Dec 18 08:23:31 2012
Charted by:	Depth in Feet scaled 1:600

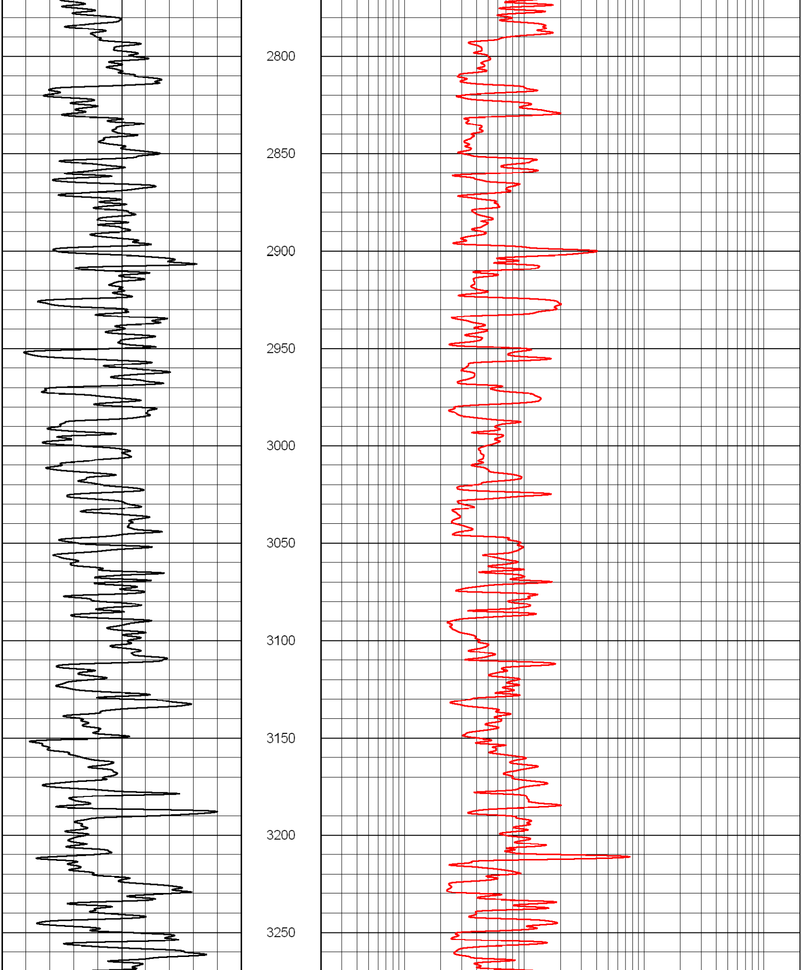


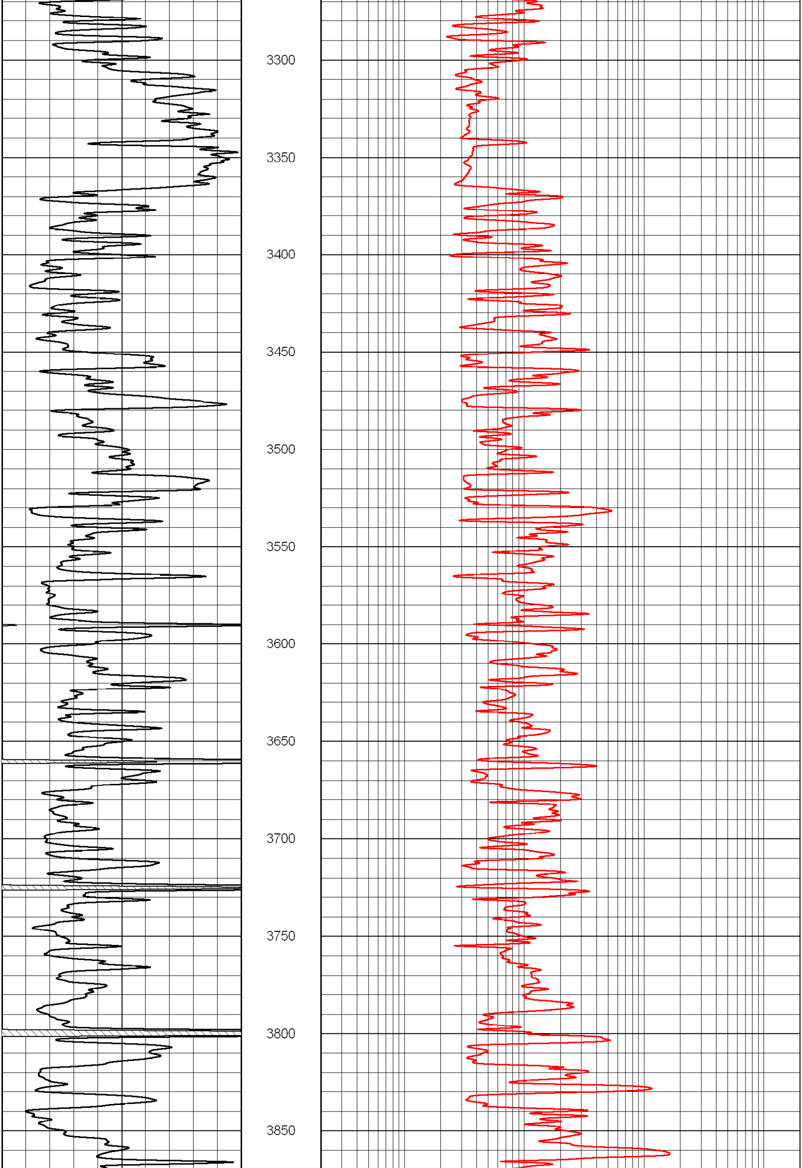


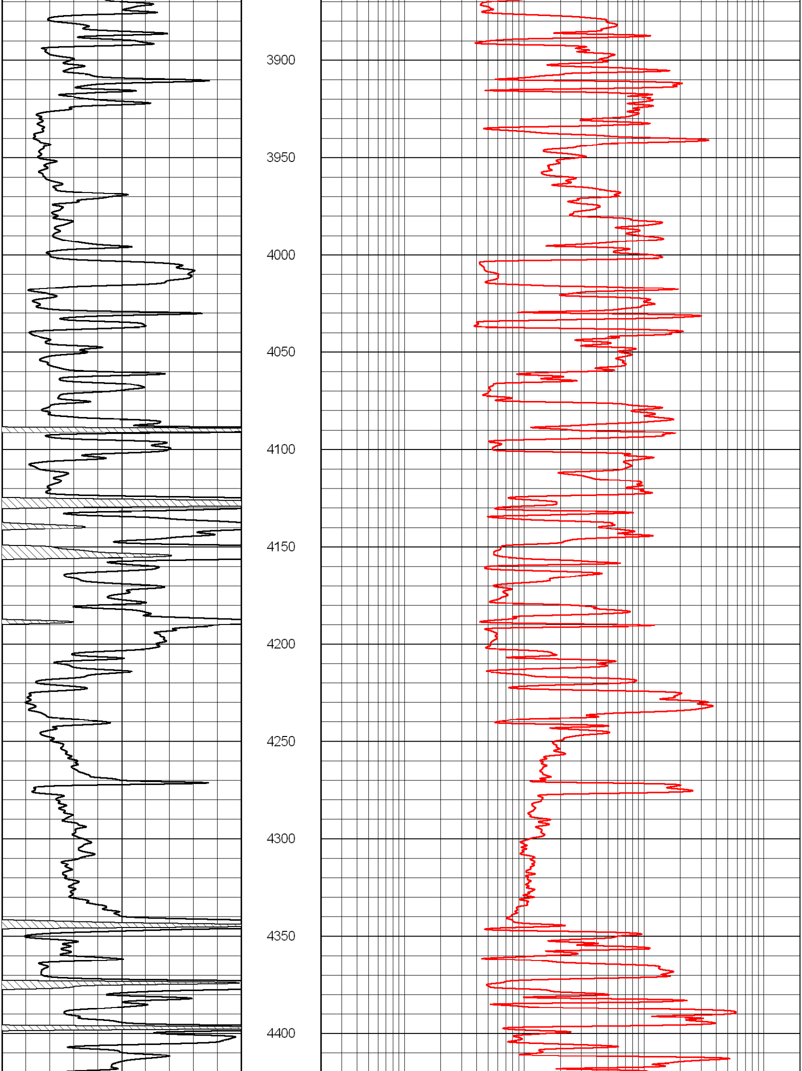


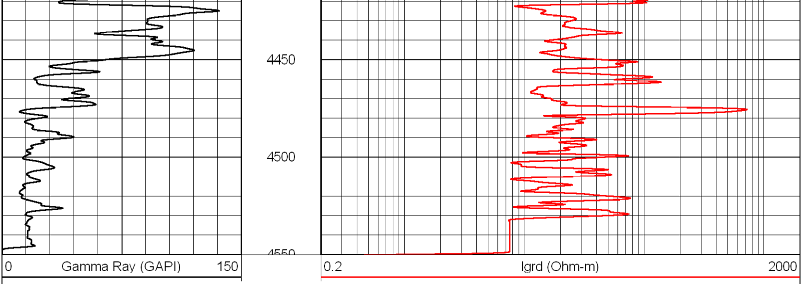




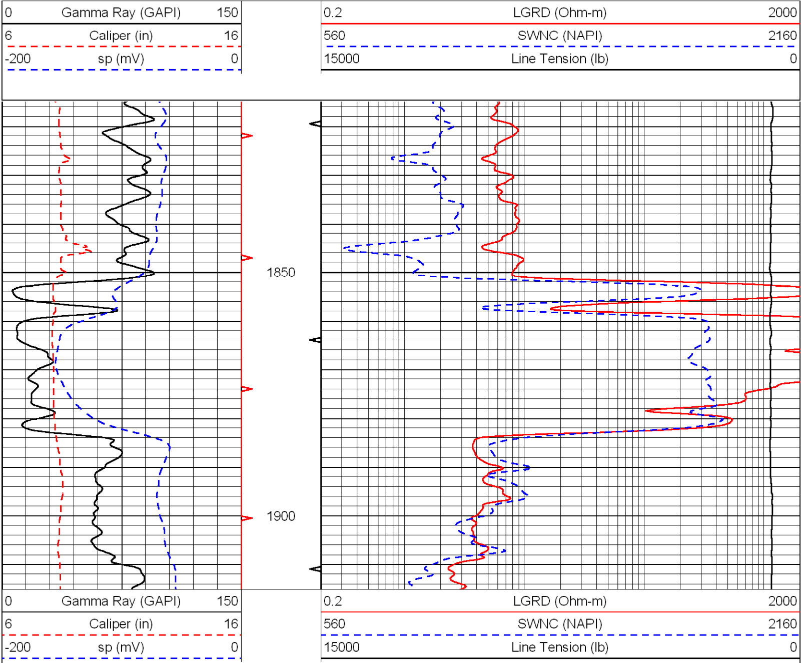








Database File: palomino_quenzer-norton_1.db
Dataset Pathname: rag/pass3.1
Presentation Format: rag
Dataset Creation: Tue Dec 18 08:23:31 2012
Charted by: Depth in Feet scaled 1:240



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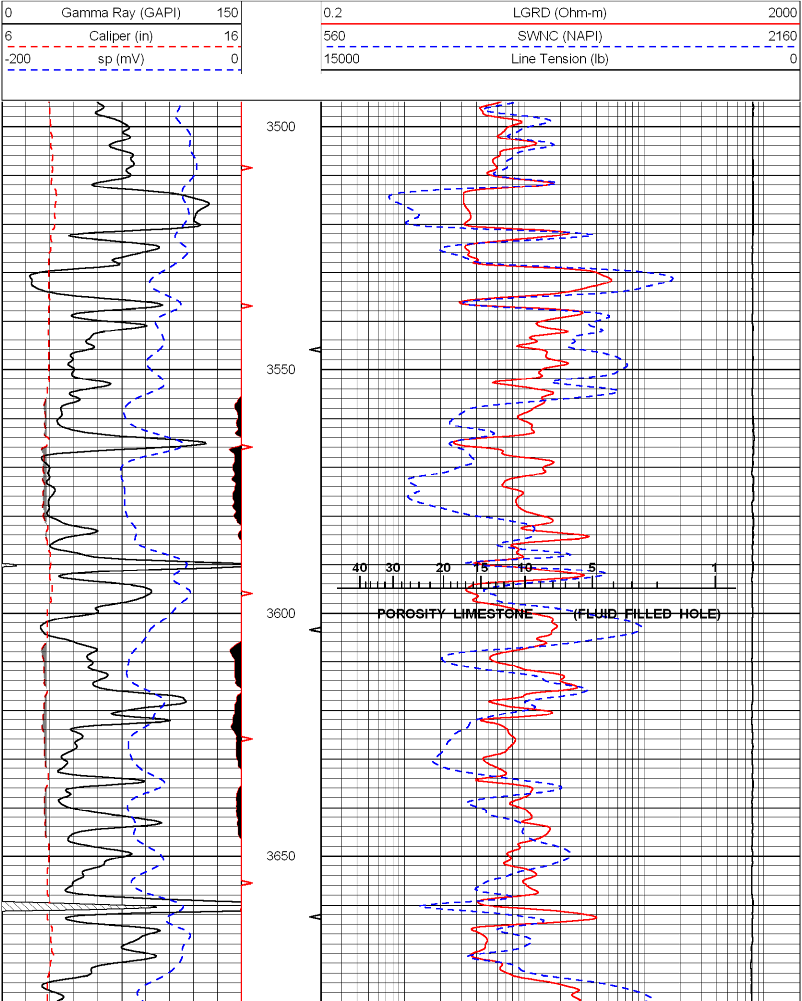
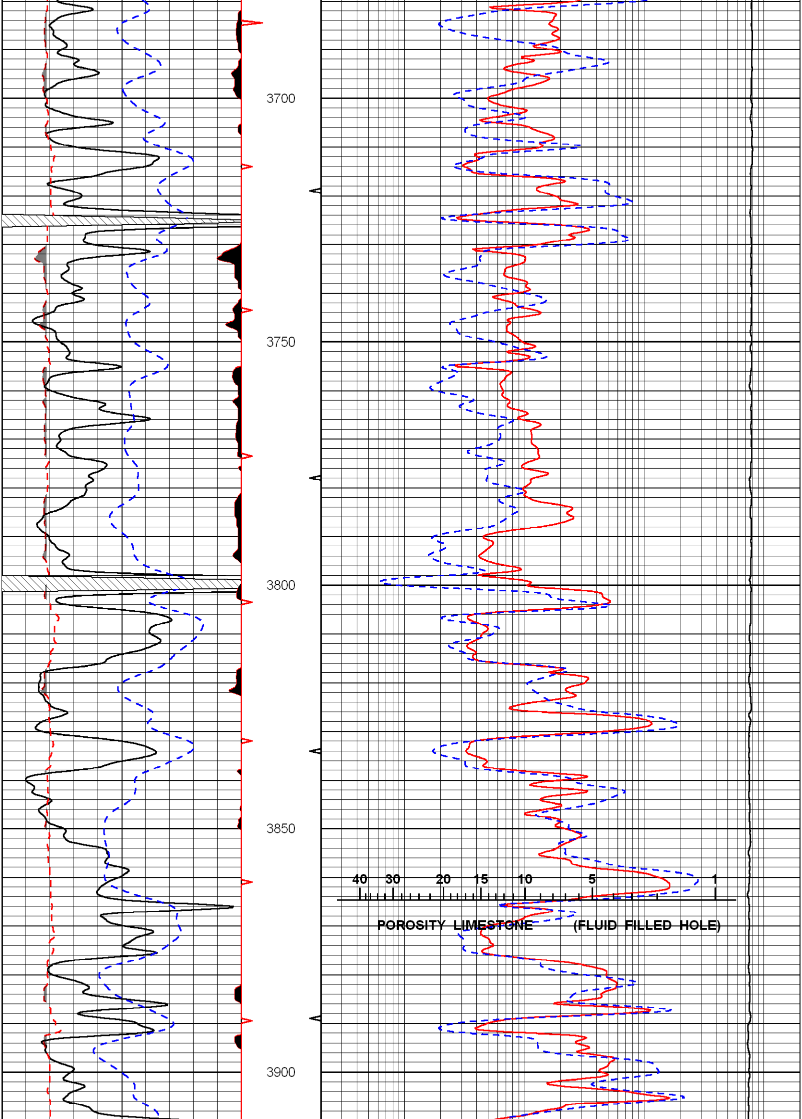
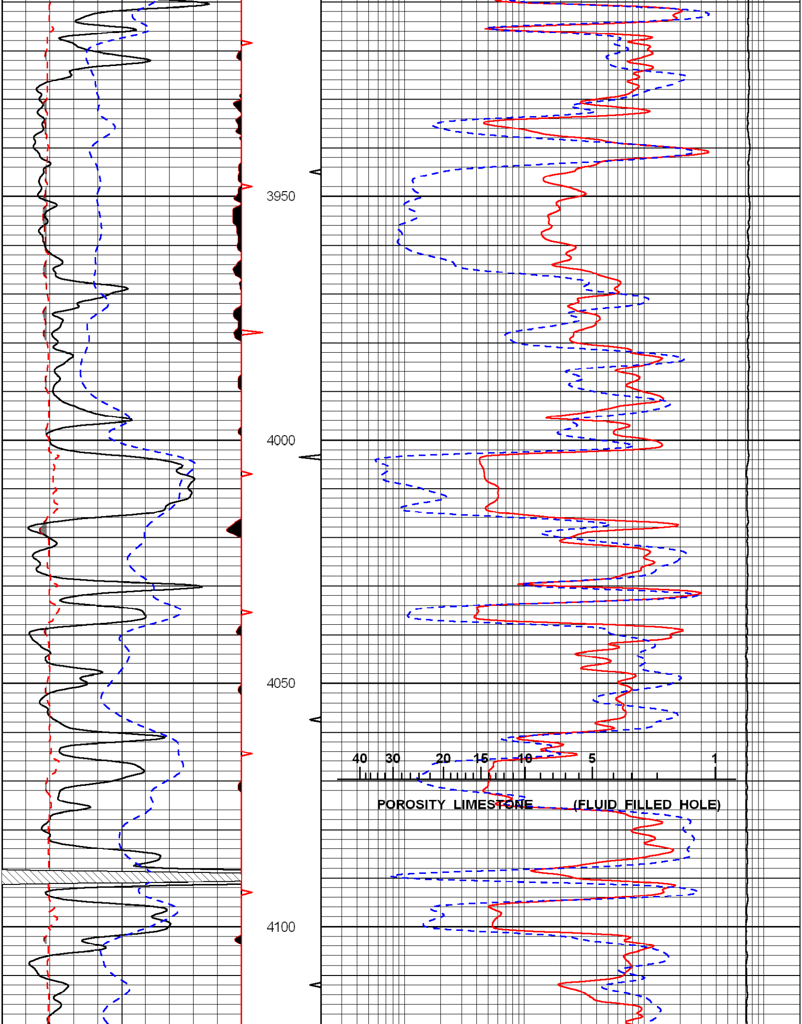
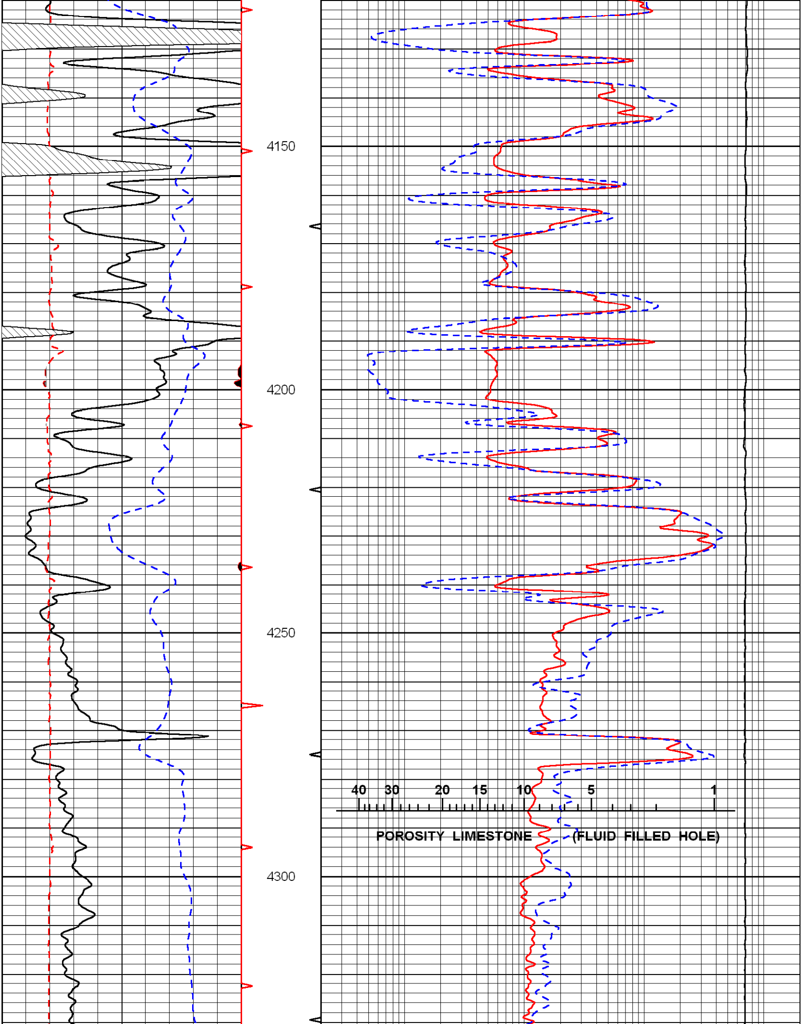
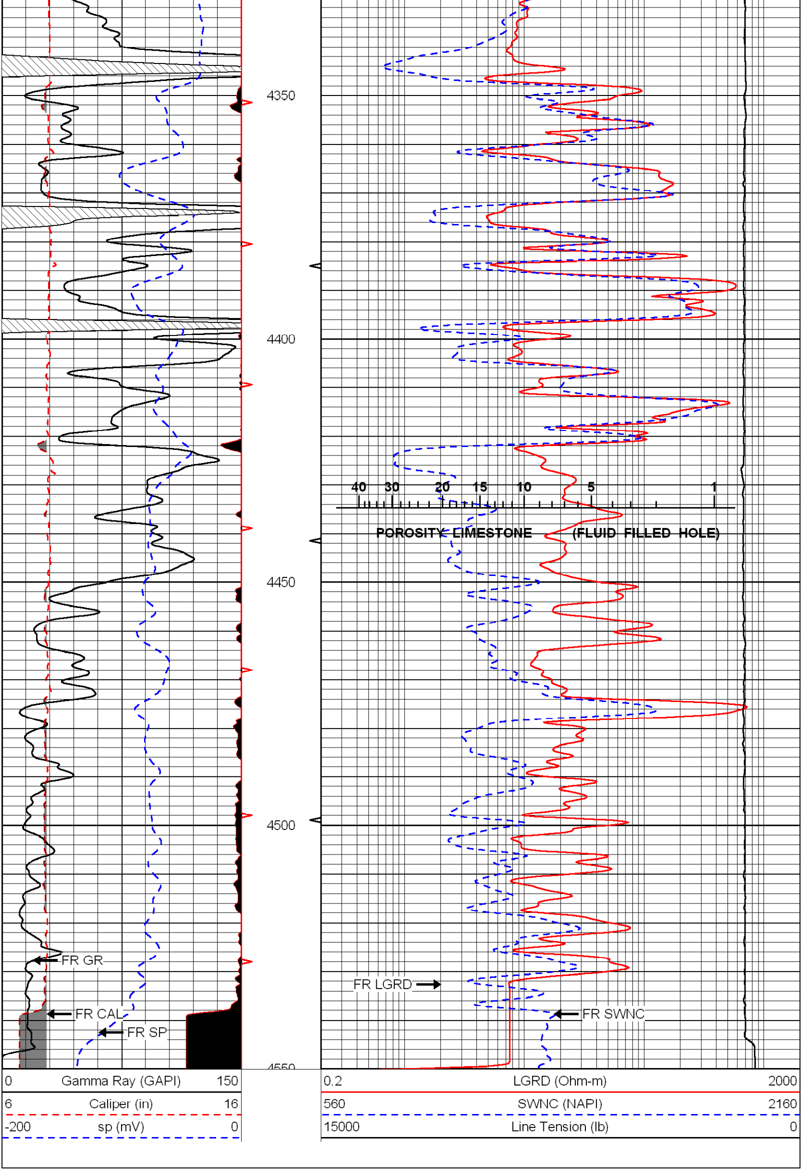






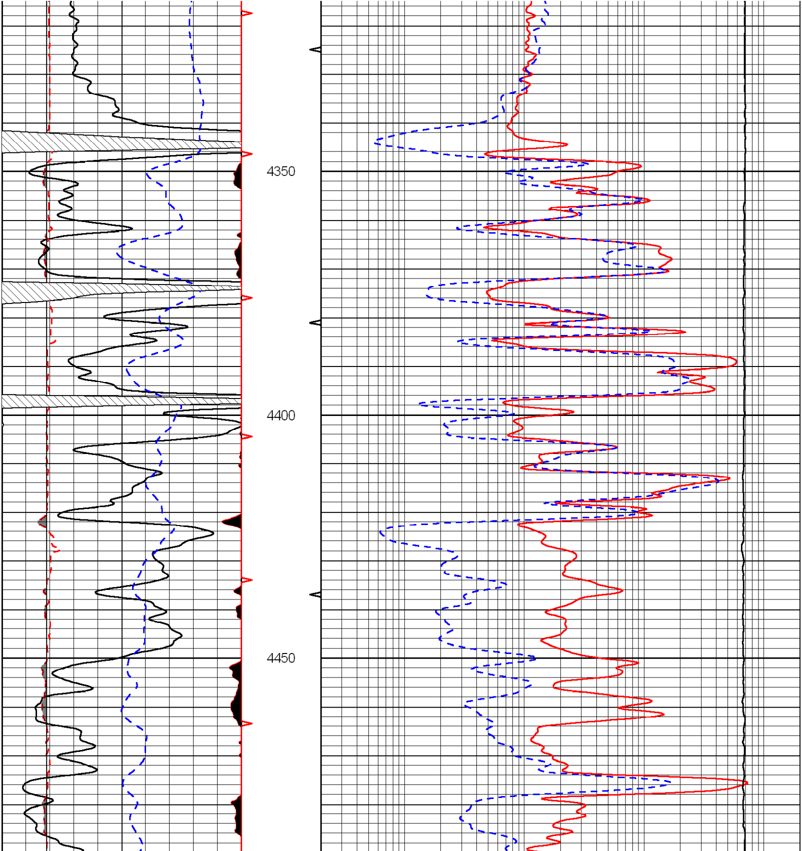
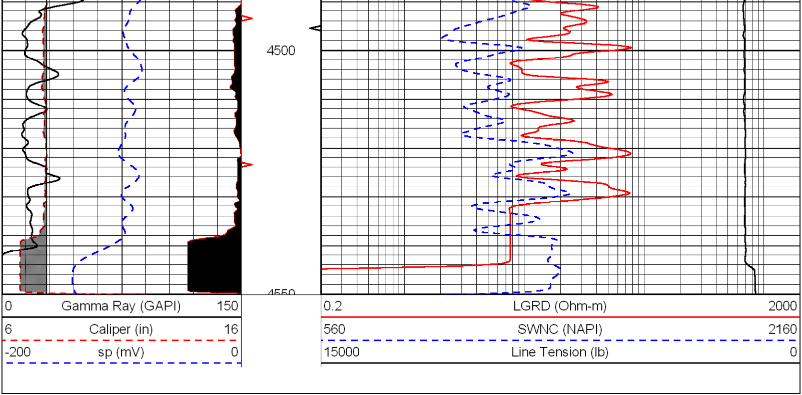




Pioneer Energy Services

Repeat Section

Database File:	palomino_quenzer-norton_1.db
Dataset Pathname:	rag/pass2.1
Presentation Format:	rag
Dataset Creation:	Tue Dec 18 08:04:36 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

Minimum	Curve	Maximum
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16
-200	sp (mV)	0
0.2	LGRD (Ohm-m)	2000
560	SWNC (NAPI)	2160
15000	Line Tension (lb)	0