MERCURY WIRELINE

DUAL INDUCTION LOG

Company	XTO Energy Inc.
Well	Hill Ranch 01-14
Field	Purgatorie River
County	Las Animas
State	CO

Company XTO Energy Inc.

Well Hill Ranch 01-14

Field Purgatorie River

County Las Animas State CO

Location: API # : 05 071 09558 00

934' FSL & 1960' FWL

SEC 1 TWP 35S RGE 68W

Other Services
CDL
NEU

Permanent Datum	Ground Level	Elevation	8529'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. -------
D.F. -------
G.L. 8529'

Date	1/26/10		
Run Number	One		
Depth Driller	2198'		
Depth Logger	1938'		
Bottom Logged Interval	1936'		
Top Log Interval	Surface Casing		
Casing Driller	454'		
Casing Logger	453'		
Bit Size	7 7/8"		
Type Fluid in Hole	water		
Density / Viscosity	///		
pH / Fluid Loss	///		
Source of Sample	///		
Rm @ Meas. Temp	///		
Rmf @ Meas. Temp	///		
Rmc @ Meas. Temp	///		
Source of Rmf / Rmc	///		
Rm @ BHT	///		
Time Circulation Stopped	10:00 p.m.		
Time Logger on Bottom	1:15 a.m.		
Maximum Recorded Temperature	112F		
Equipment Number	697		
Location	Trinidad		
Recorded By	Worley		
Witnessed By	Mr. Dalton King		

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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.

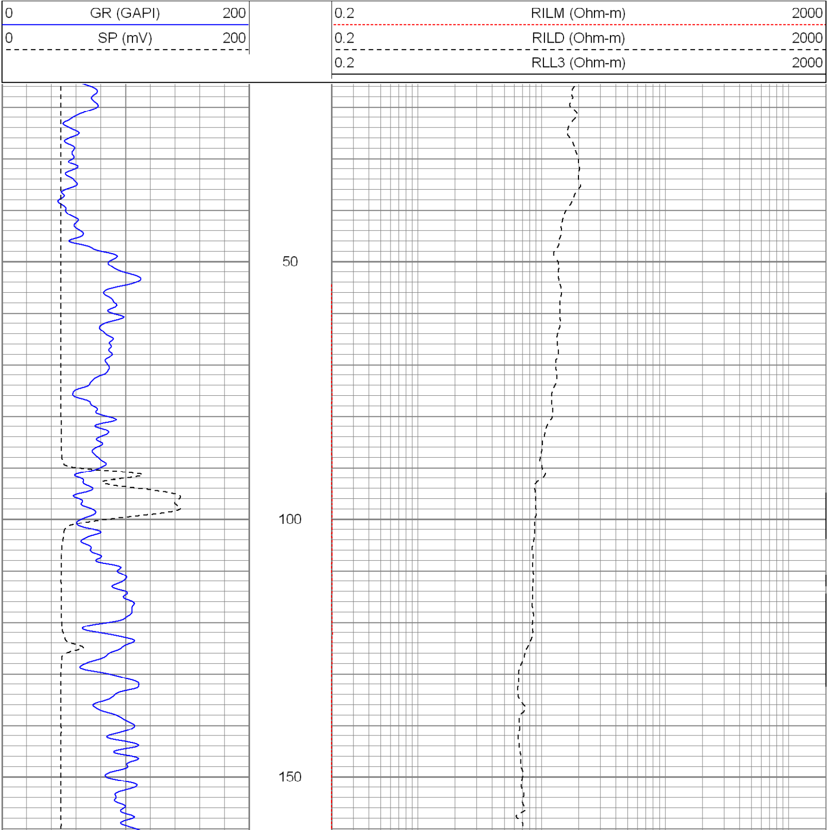
Comments

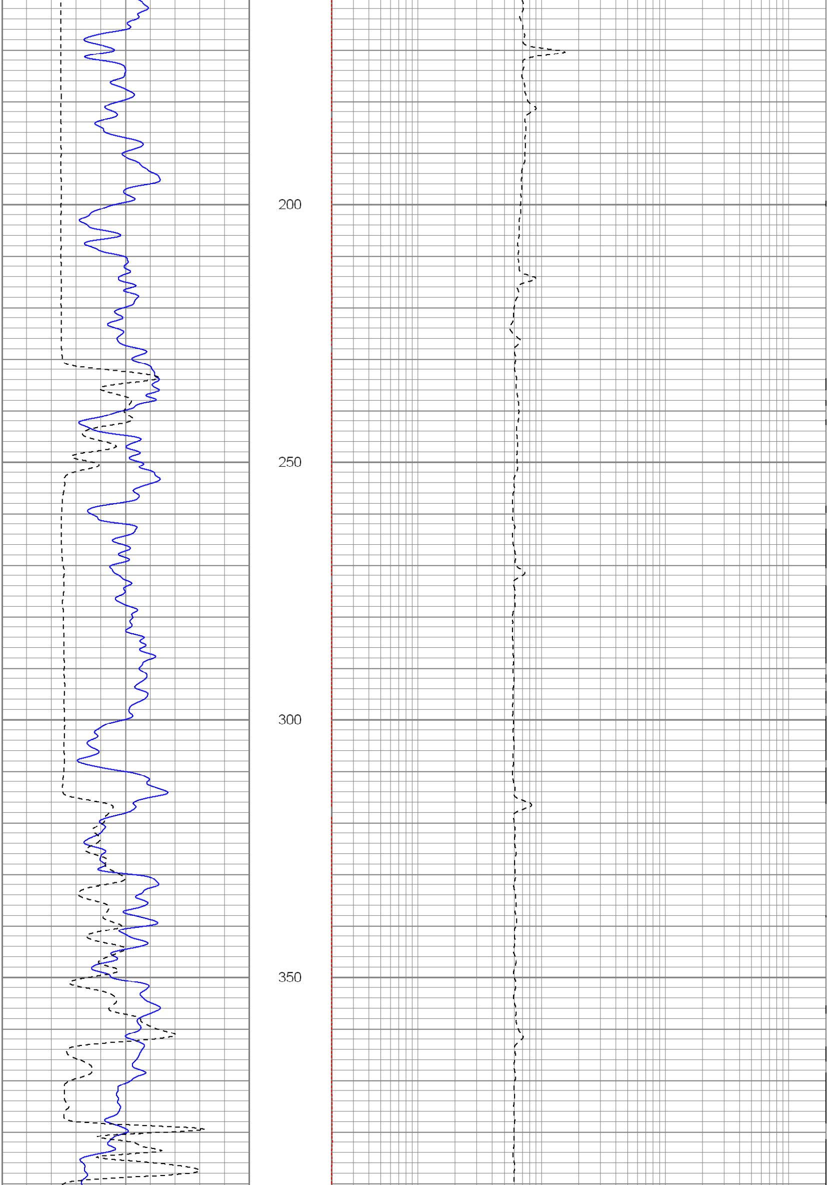
XTO Hill stay on main road past Dead Horse, stay on main road past Beige Tanks, down thru Alamosa Car
take hard left at Big Rocks, drive by HR 1-2 and HR 1-5, take right, left at T, next right to location.

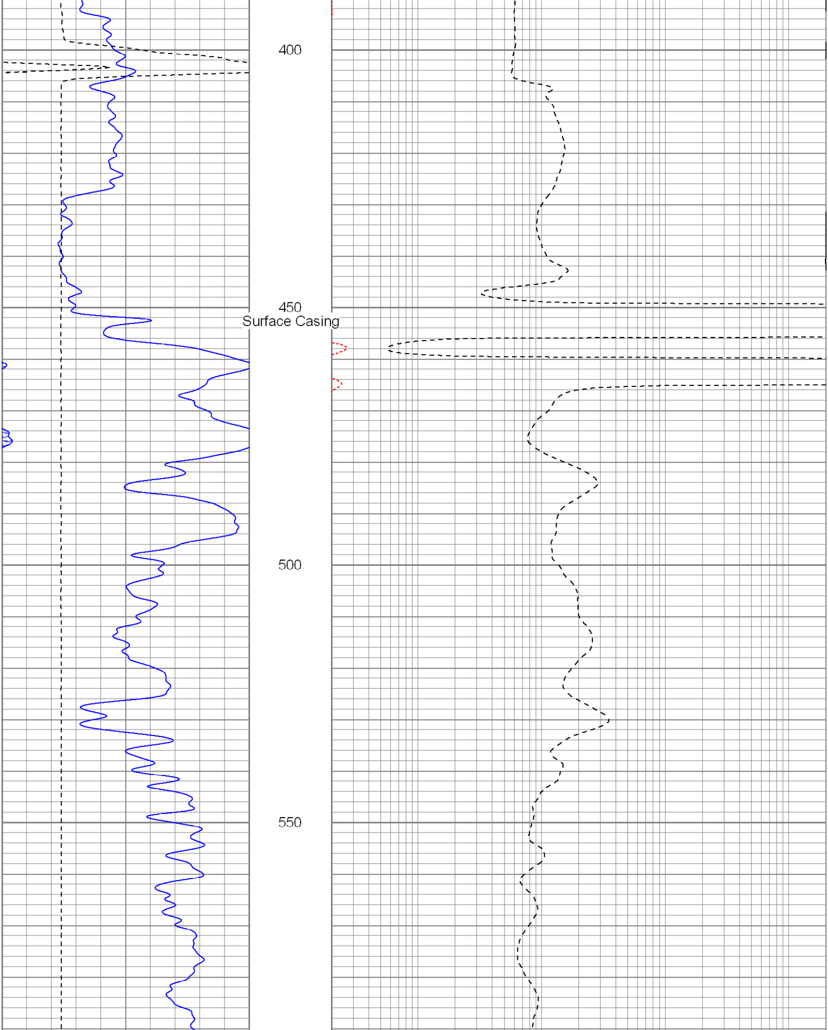
MERCURY WIRELINE

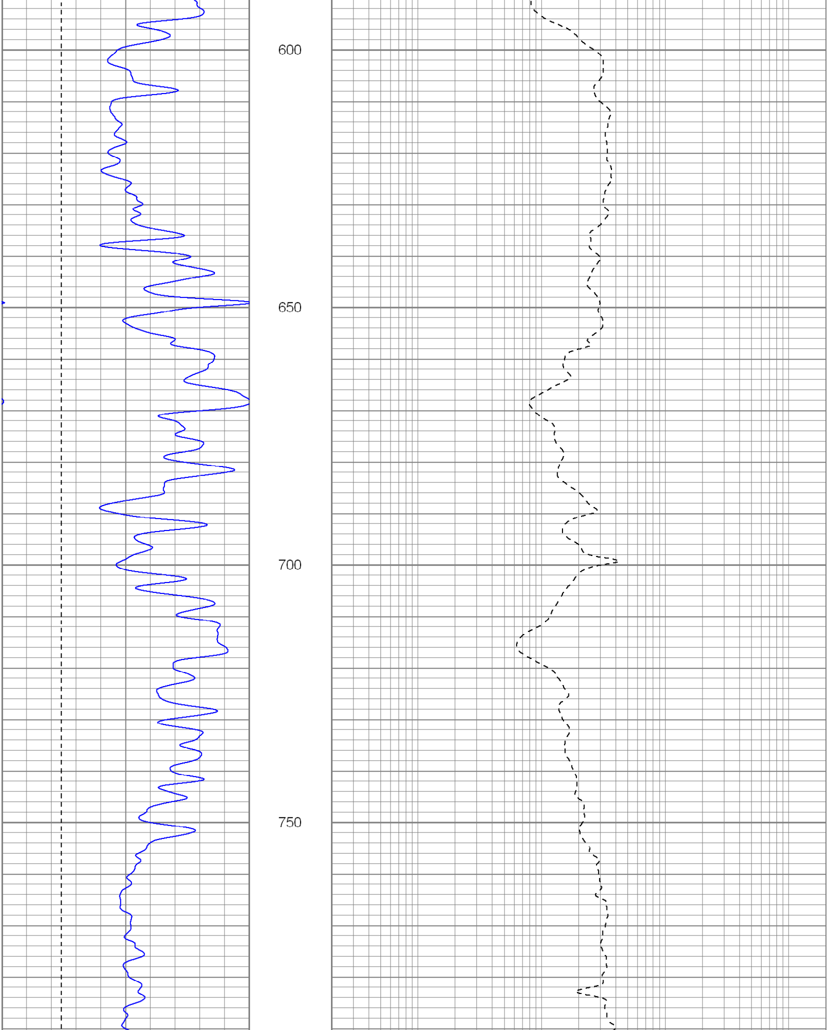
Main Pass

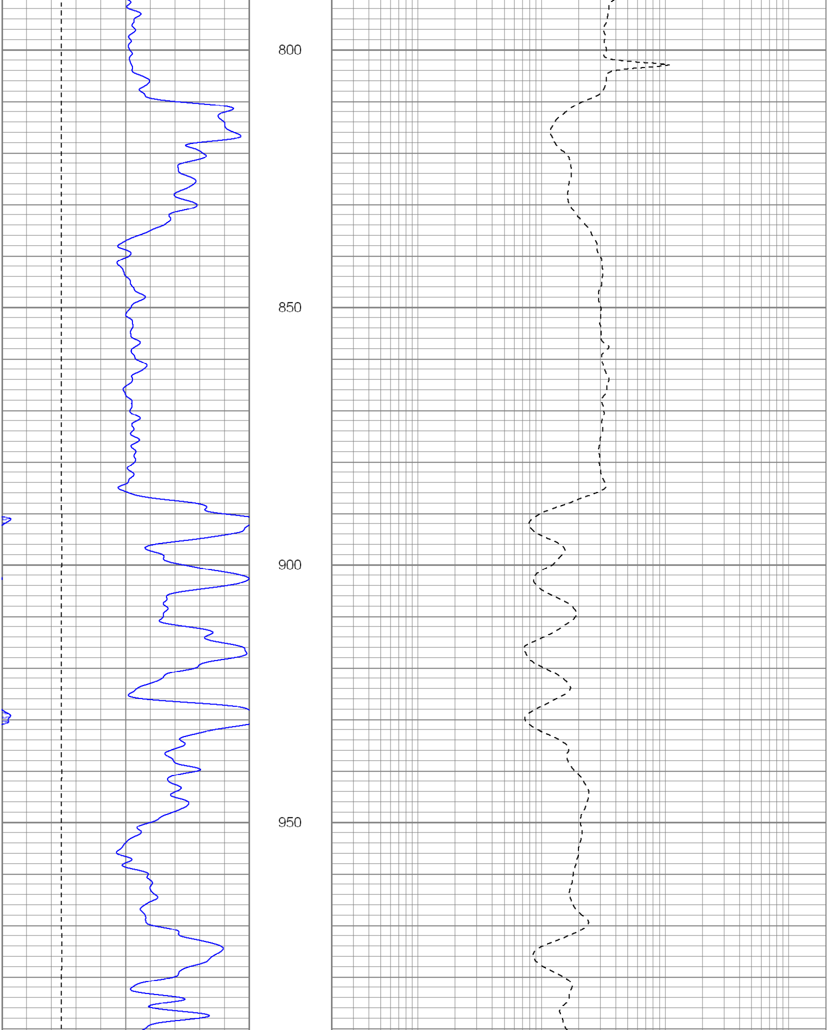
Database File:	hillranch01-14.db
Dataset Pathname:	pass2.5
Presentation Format:	dil
Dataset Creation:	Tue Jan 26 05:14:39 2010 by Calc Open-Cased 071220
Charted by:	Depth in Feet scaled 1:240

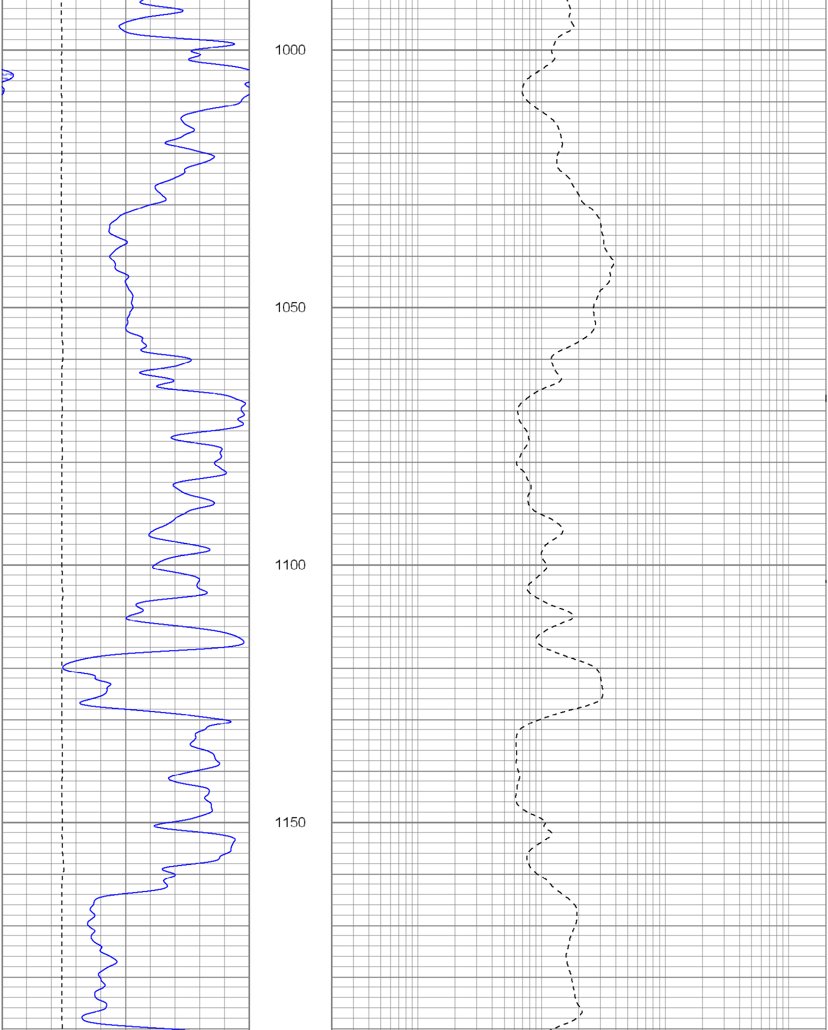


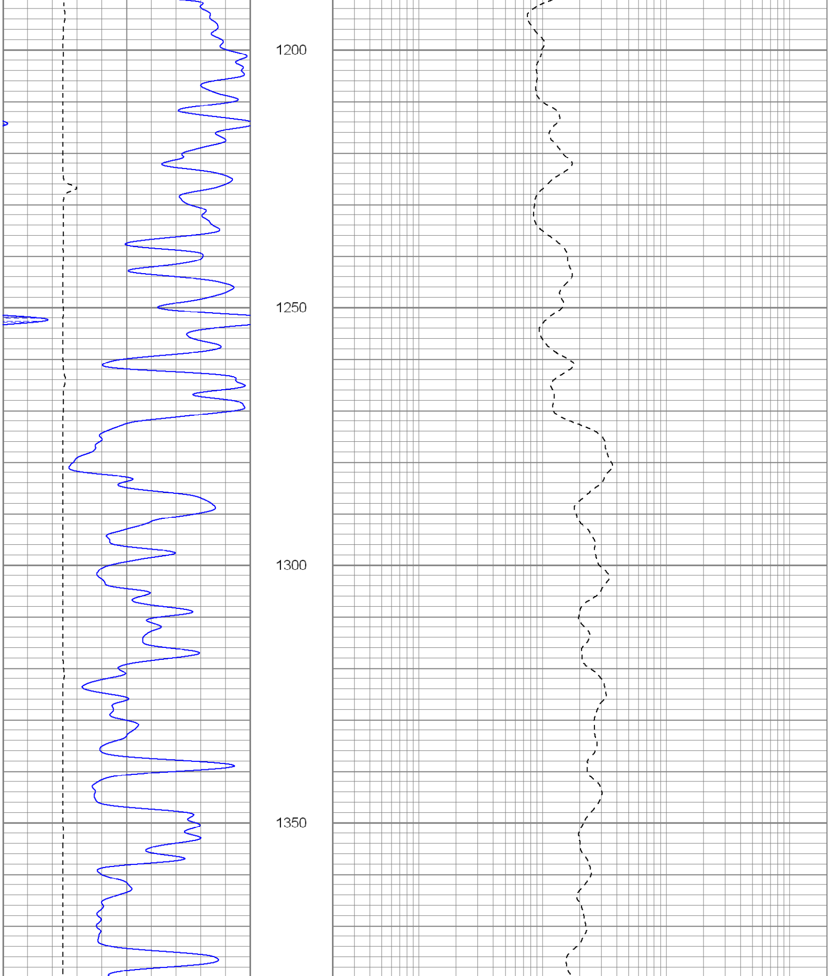


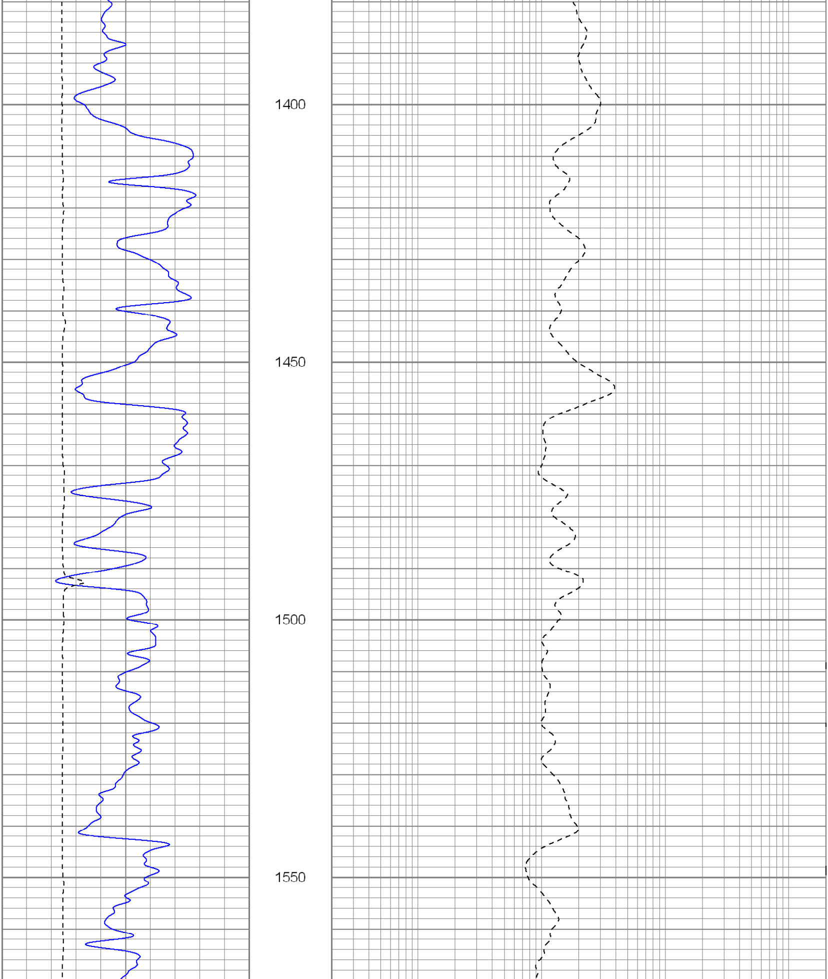


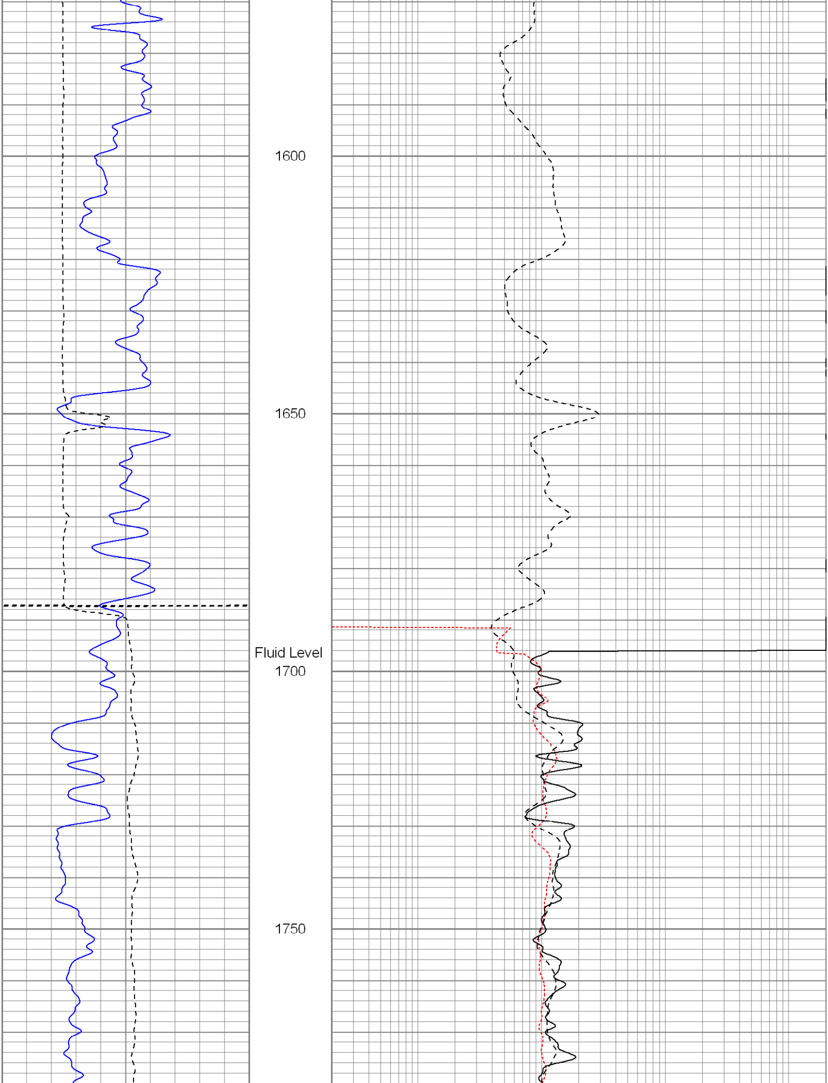


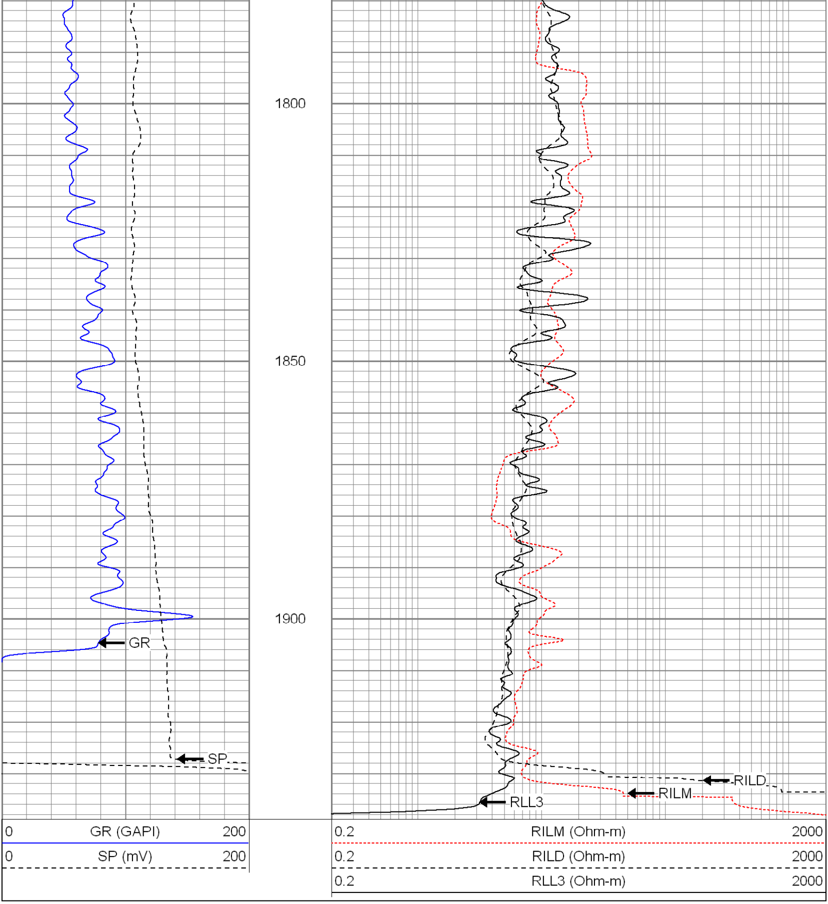








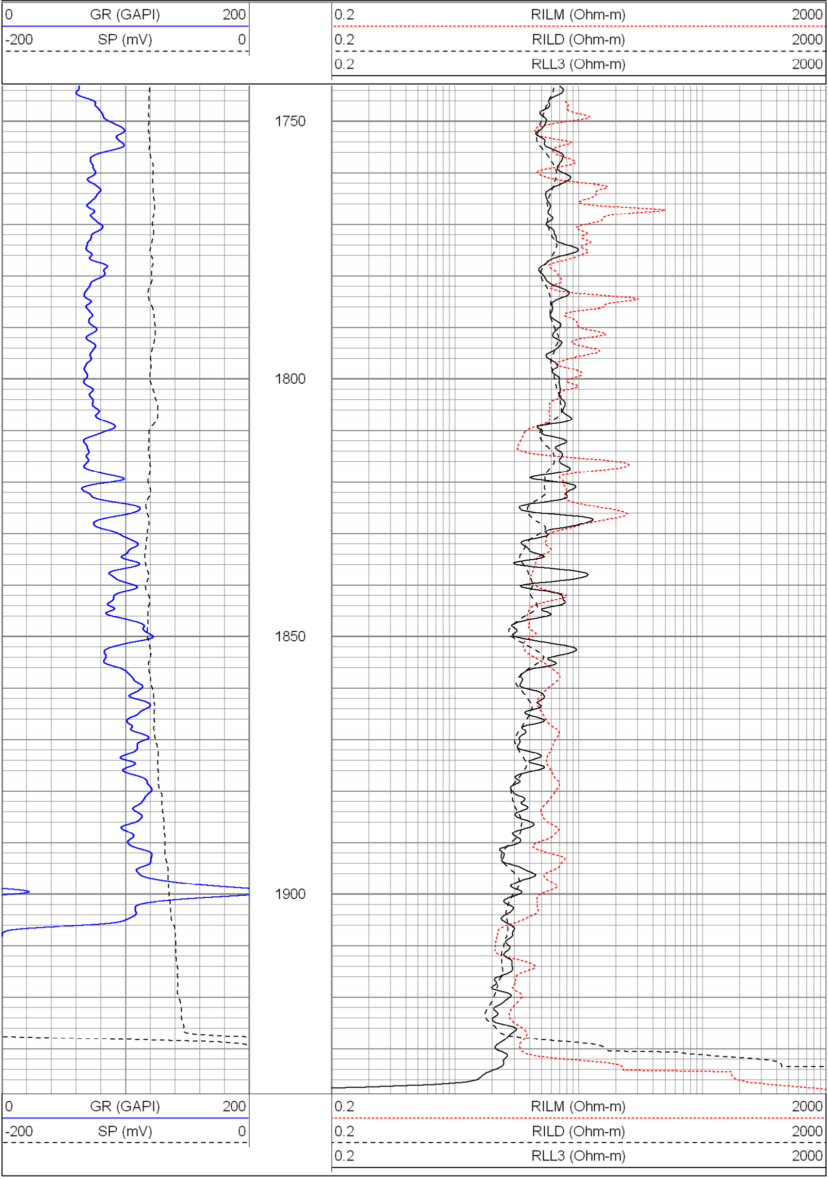




MERCURY WIRELINE

Repeat Section

Database File: hillranch01-14.db
Dataset Pathname: pass1.5
Presentation Format: dil
Dataset Creation: Tue Jan 26 07:34:25 2010 by Calc Warrior 7.0 STD Ope
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: hillranch01-14.db
Dataset Pathname: pass2
Dataset Creation: Tue Jan 26 02:42:42 2010 by Log Open-Cased 071220

Compensated Density Calibration Report

Serial-Model: 2501DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Jan 25 10:13:39 2010
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	767.26	303.43	cps
Aluminum	2.590	g/cc	171.91	210.81	cps

Spine Angle = 76.32
Density/Spine Ratio = 0.572

	Size		Reading
Small Ring	8.00	in	6196.63
Large Ring	14.00	in	10494.70

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Mon Jan 25 10:14:15 2010

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2500 GAPI/cps

Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Mon Jan 25 10:14:18 2010

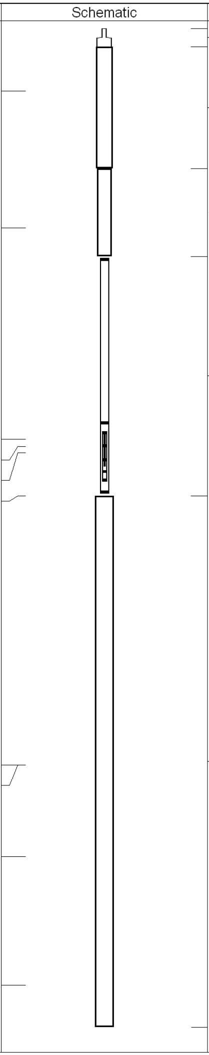
Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

Sensor	Offset (ft)
NEU	37.85
GR	32.32
LSD	23.78
DCAL	23.49
SSD	23.24
HEADVOLT	21.47
CILD	10.60
SP	10.60
CILM	6.89
RLL3	1.70

Schematic



Description	Len (ft)	OD (in)	Wt (lb)
None	0.75	1.50	5.00
NEU-PROBE (5108) Probe Epithermal	4.92	3.63	85.00
GR-OH (2001) 2001	3.56	3.25	40.00
CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
DIL-G (5375) Gearhart	21.47	4.00	345.00

Dataset:	hillranch01-14.db: field/well/run1/pass2
Total Length:	40.39 ft
Total Weight:	676.00 lb
O.D.	4.00 in