SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

DUAL INDUCTION LOG

Company XTO Energy Inc.
Well Hill Ranch 31-08
Field Purgatoire River
County Las Animas State Colorado

Location: API # : 05 071 09200 00
2081' FNL & 227' FEL
SEC 31 TWP 34S RGE 67W

Other Services
CDL
NEUTRON

Permanent Datum	Ground Level	Elevation 8214'
Log Measured From	Ground Level	
Drilling Measured From	Ground Level	

Elevation
K.B. -----
D.F. -----
G.L. 8214'

Company XTO Energy Inc.
Well Hill Ranch 31-08
Field Purgatoire River
County Las Animas
State Colorado

Date	4-02-07	4-03-07	
Run Number	One	Three	
Depth Driller	2785'	2785'	
Depth Logger	1959'	1959'	
Bottom Logged Interval	1957'	No Log Ran	
Top Log Interval	Surface Casing	No Log Ran	
Casing Driller	8 5/8" @ 482'	8 5/8" @ 482'	
Casing Logger	482'	482'	
Bit Size	7 7/8"	7 7/8"	
Type Fluid in Hole	Water	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	2:15 P.M.	11:15 P.M.	
Time Logger on Bottom	4:15 P.M.	1:45 A.M.	
Maximum Recorded Temperature	96 DEG F	96 DEG F	
Equipment Number	T0697	T0697	
Location	Trinidad	Trinidad	
Recorded By	M. Norton	M. Norton	
Witnessed By	Mr. Gary Hawkins	Mr. Gary Hawkins	

<<< Fold Here >>>

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.

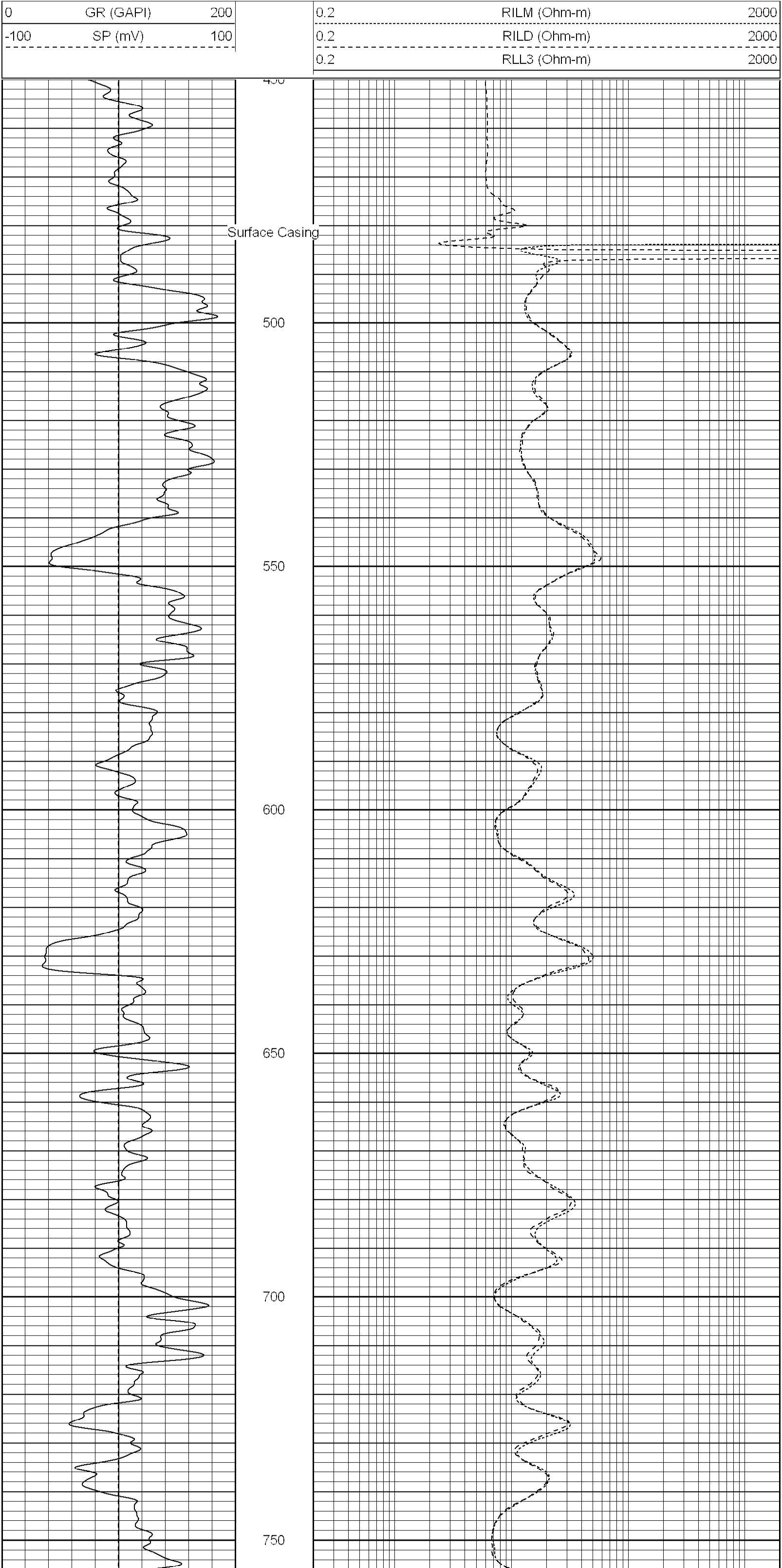
Comments

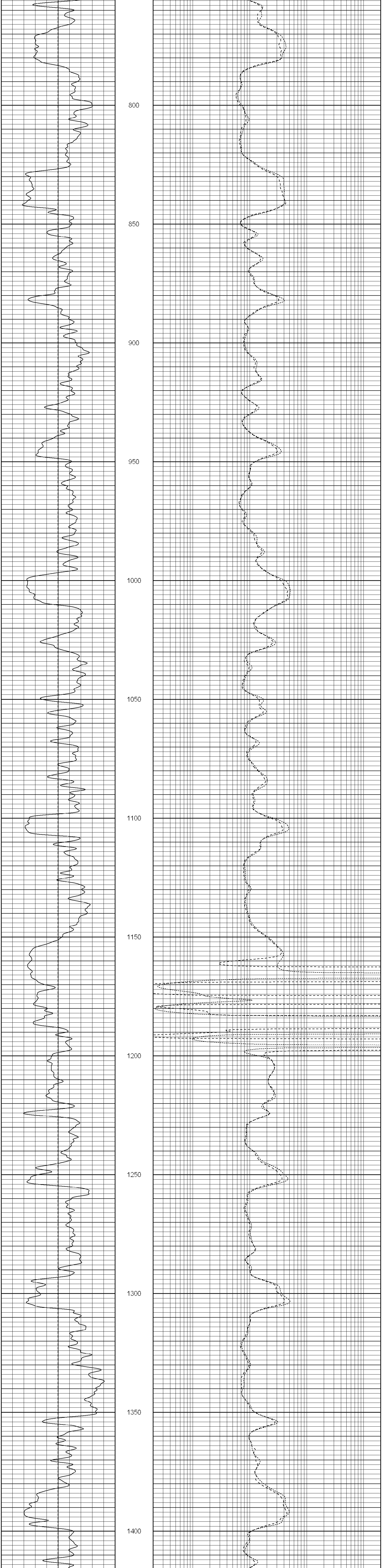
Well Directions:
First Bosque just before Weston, up Little Bingham thru Hill Ranch cattle gaurd, second right, first location on the right.

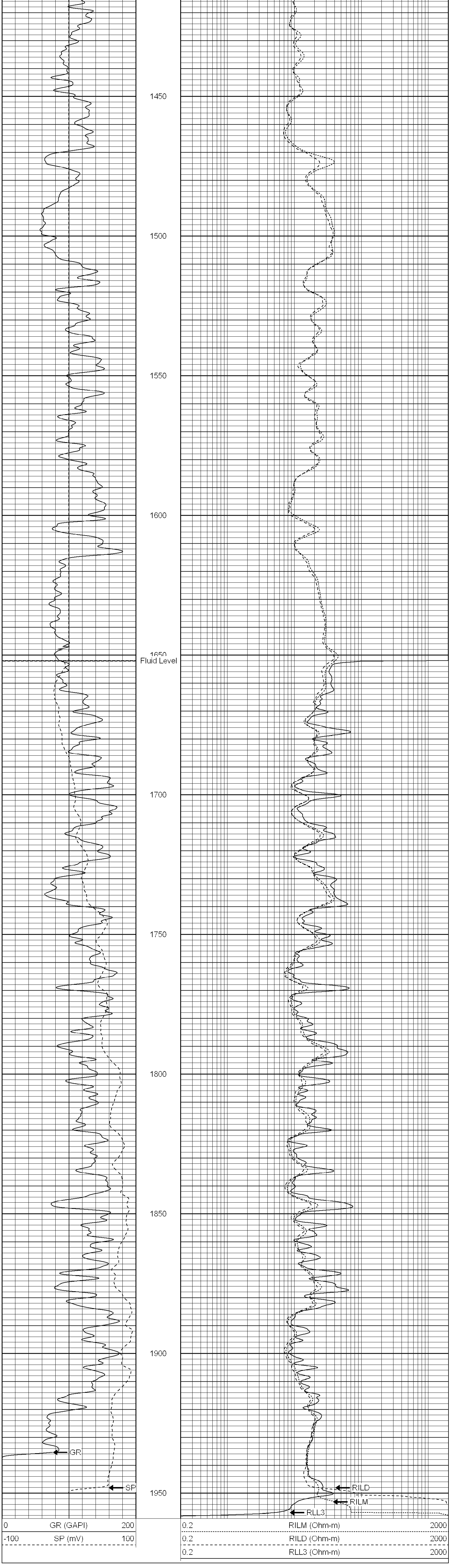
SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

Main Pass

Database File:	xtohr3108.db
Dataset Pathname:	pass2.1
Presentation Format:	dil
Dataset Creation:	Tue Apr 03 01:53:35 2007 by Calc Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240





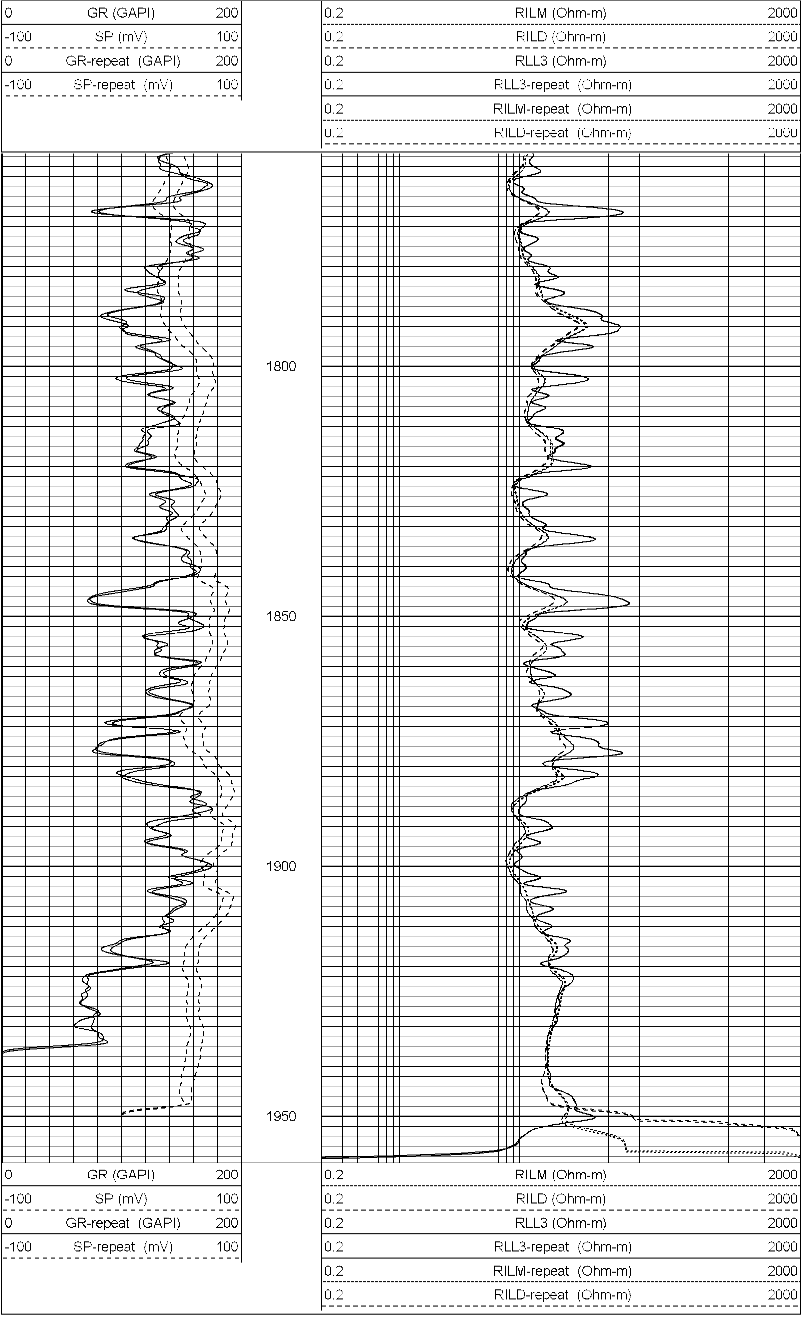


SUPERIOR
WELL SERVICES

SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

Repeat Section

Database File:	xtohr3108.db
Dataset Pathname:	pass1.1
Presentation Format:	dil
Dataset Creation:	Tue Apr 03 01:52:03 2007 by Calc Open-Cased 061129
Charted by:	Depth in Feet scaled 1:240



Calibration Report

Database File:	xtohr3108.db
Dataset Pathname:	pass2
Dataset Creation:	Mon Apr 02 15:15:20 2007 by Log Open-Cased 061129

Dual Induction Calibration Report

Serial-Model:	5375-G
Surface Cal Performed:	Fri Jan 19 08:02:09 2007
Downhole Cal Performed:	Sun Jan 21 14:02:19 2007

Surface Calibration

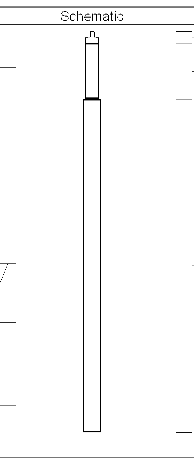
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.001	0.620	V	0.000	500.000	mmho-m	807.659	-1.119
Medium	0.005	0.743	V	0.000	550.000	mmho-m	744.727	-3.505
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.620	V	0.000	500.000	mmho-m	807.698	-1.159
Medium	0.005	0.743	V	0.000	550.000	mmho-m	744.801	-3.569

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.123	499.901	mmho-m	0.039	500.015	mmho-m	1.000	-0.084
Medium	0.245	549.982	mmho-m	0.064	550.009	mmho-m	1.000	-0.182
Shallow	2.506	0.009	V	500.000	2.000	Ohm-m	150.000	0.000

Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Wed Mar 28 14:54:25 2007	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.1700	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
GR	22.83		GR-OH (2001) SIE	3.50	3.25	40.00
CILD SP	10.60 10.60		DIL-G (5375) Gearhart	20.83	4.00	345.00
CILM	6.89					
RLL3	1.70					

Dataset:	xtohr3108.db: field/well/run1/pass2
Total Length:	25.08 ft
Total Weight:	390.00 lb
O.D.	4.00 in