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

COMPENSATED DENSITY SINGLE INDUCTION LOG

Company El Paso E&P Company, L.P.
Well VPR"C"-130
Field Purgatorie River
County Las Animas
State Colorado

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Location: API #: 05-071-09013-00
1409' FSL & 1394' FWL
SEC 11 TWP 35S RGE 67W

Other Services

Permanent Datum Ground Level Elevation 8088'
Log Measured From Ground Level
Drilling Measured From Ground Level

Elevation
K.B. ____
D.F. ____
G.L. 8088'

Date	1-30-07	
Run Number	One	
Depth Driller	2643'	
Depth Logger	2580'	
Bottom Logged Interval	2578'	
Top Log Interval	Surface Casing	
Casing Driller	8 5/8" @ 309'	
Casing Logger	309'	
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	1:15 PM	
Time Logger on Bottom	4:00 PM	
Maximum Recorded Temperature	113 DEG F	
Equipment Number	T0700	
Location	Trinidad, Co	
Recorded By	J. Kerns	D. Denton
Witnessed By	Mr. Carl Evenson	

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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

Density Porosity Presented on Sandstone Matrix.

ABHV Calculated for 5 1/2" Casing.

Well Directions:
Lorencito Gate-At "Y" Stay Right-3rd Right-Follow Road to Location.

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Main Pass

Database File: elpasovprc130.db
Dataset Pathname: pass2.1
Presentation Format: combosil
Dataset Creation: Tue Jan 30 18:03:34 2007 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

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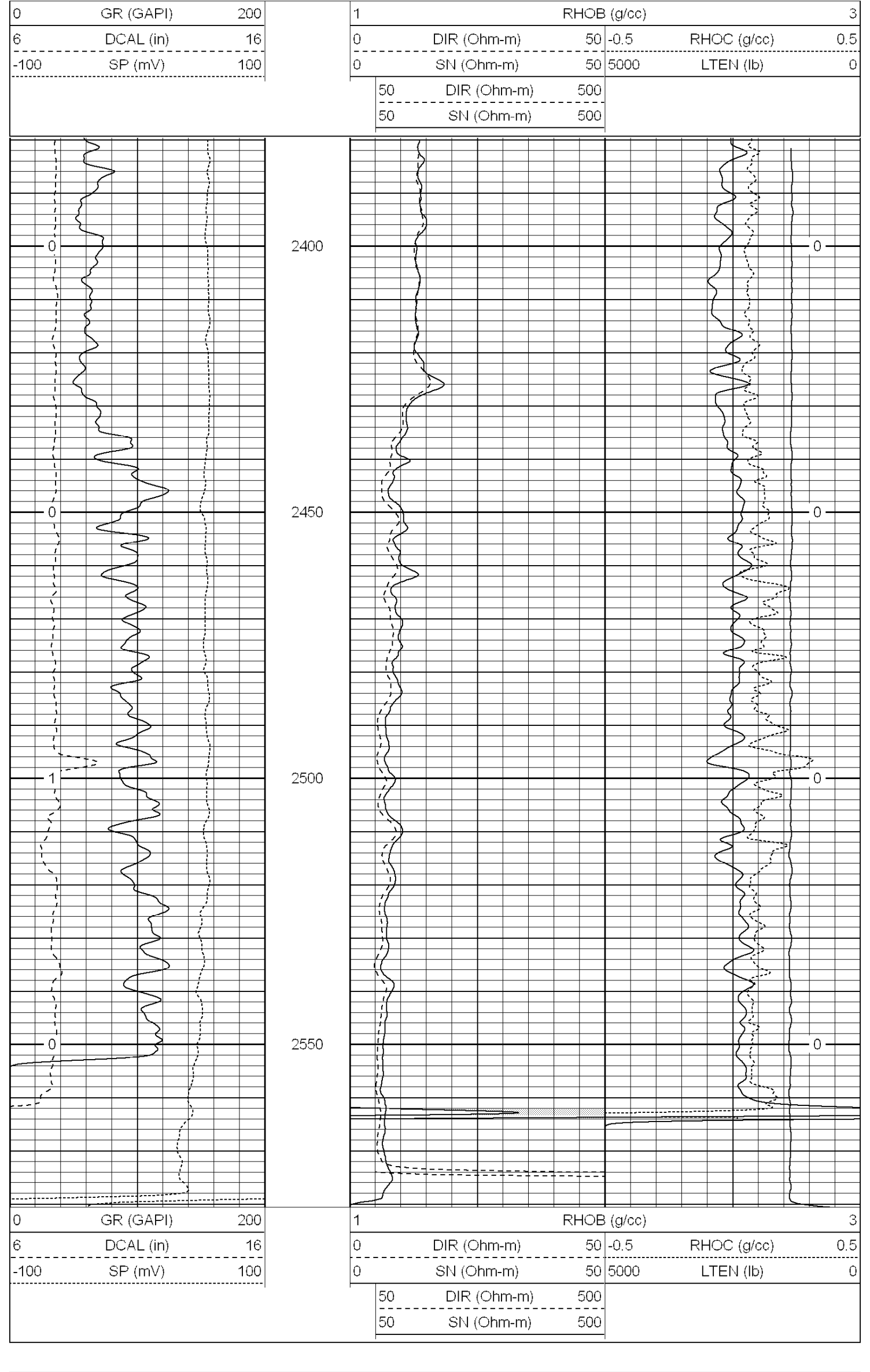
Repeat Pass

Database File: elpasovprc130.db
Dataset Pathname: pass1.1
Presentation Format: combosil
Dataset Creation: Tue Jan 30 18:06:20 2007 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: elpasovprc130.db
Dataset Pathname: pass1
Dataset Creation: Tue Jan 30 16:02:56 2007 by Log Open-Cased 060407

Induction Tool Calibration Report

Serial Number: 121
Tool Model: G
Downhole Cal Performed: Mon Jan 29 11:52:21 2007
Surface Cal Performed: Mon Jan 29 11:51:39 2007

Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	450.000	mmho
Conductivity Reading:	0.006	0.644	V
Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.006	0.644	V
Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	0.090	450.151	mmho
Conductivity Reading:	-0.207	450.146	V
Short Normal Reference:	0.000	17.000	Ohm-m
Short Normal Reading:	0.002	0.195	V
Results:	Gain	Offset	
Loop Conductivity:	705.497	-4.340	
Downhole Correction:	0.999	0.297	
Short Normal Resistivity:	68.655	-0.168	

Temperature Calibration Report

Serial Number: 2099T
Tool Model: CDLP
Performed: Wed Jan 10 11:11:13 2007

	Reference	Reading
Low Reference:	55.00 degF	3.17 V
High Reference:	160.00 degF	5.35 V

Gain: 48.17
Offset: -97.68
Delta Spacing 1

Compensated Density Calibration Report

Serial-Model: 2099-NG
Source / Verifier: csv-n20 / blocks
Master Calibration Performed: Wed Jan 10 08:44:26 2007

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1057.65	454.19	cps
Aluminum	2.590	g/cc	237.78	313.06	cps

Spine Angle = 76.00
Density/Spine Ratio = 0.572

	Size		Reading	
Small Ring	8.00	in	2.06	V
Large Ring	14.00	in	3.13	V

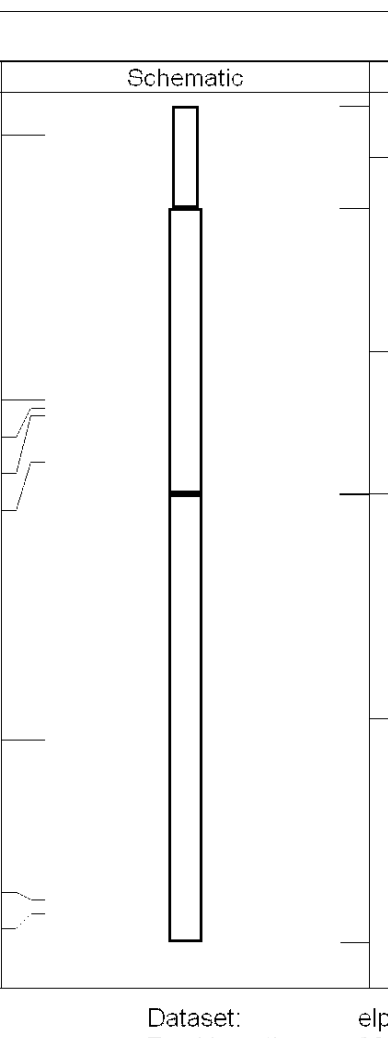
Gamma Ray Calibration Report

Serial Number: 2000
Tool Model: P2000
Performed: Wed Jan 10 10:45:30 2007

Calibrator Value: 200.0 GAPI

Background Reading: 54.0 cps
Calibrator Reading: 219.0 cps

Sensitivity: 0.2700 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	27.45		GR-P2000 (2000)	3.50	3.25	40.00
			CDL-NG (2099)	9.69	4.00	201.00
LSD DCAL SSD TEMP	18.47 18.18 17.93 16.33		TEMP-CDLP (2099T)	0.01	4.00	1.00
DIC	6.89		IEL-G (121)	15.25	4.00	178.00
SP SN	1.50 1.00					

Dataset: elpasovprc130.db: field/well/run1/pass1
Total Length: 28.45 ft
Total Weight: 420.00 lb
O.D. 4.00 in