SUPERIOR WELL SERVICES

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"-138
Field Purgatorie River
County Las Animas
State Colorado

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Well VPR"C"-138
Field Purgatorie River
County Las Animas State Colorado

Location: API # : 05-071-09056-00

2379" FSL & 1444' FEL

SEC 2 TWP 35S RGE 67W

Other Services

Elevation
K.B. -------
D.F. -------
G.L. 8033'

Permanent Datum Ground Level Elevation 8033'
Log Measured From Ground Level
Drilling Measured From Ground Level

Date	1-24-07		
Run Number	One		
Depth Driller	2673'		
Depth Logger	2630'		
Bottom Logged Interval	2628'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 329'		
Casing Logger	328'		
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	06:30 PM		
Time Logger on Bottom	11:15PM		
Maximum Recorded Temperature	112 DEG F		
Equipment Number	T0700		
Location	Trinidad, Co		
Recorded By	S. Allen	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-2nd Right- Drive to "T"-Turn Right-1st Left to Location.

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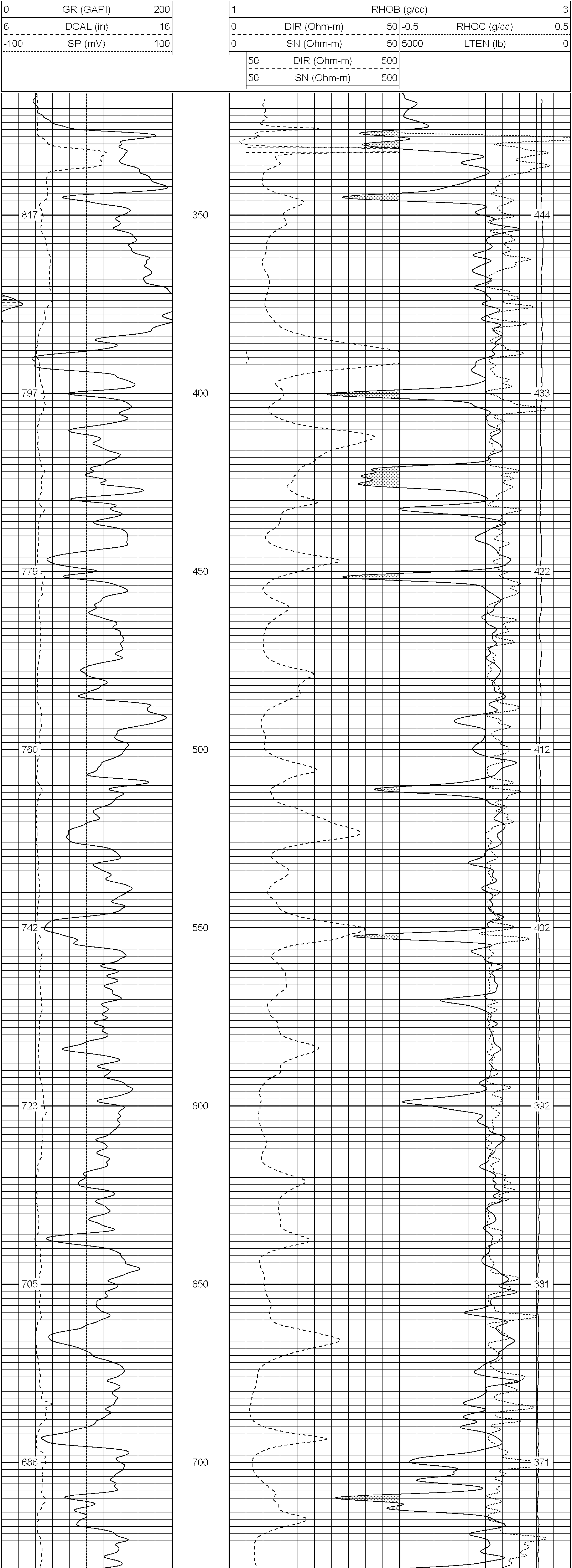
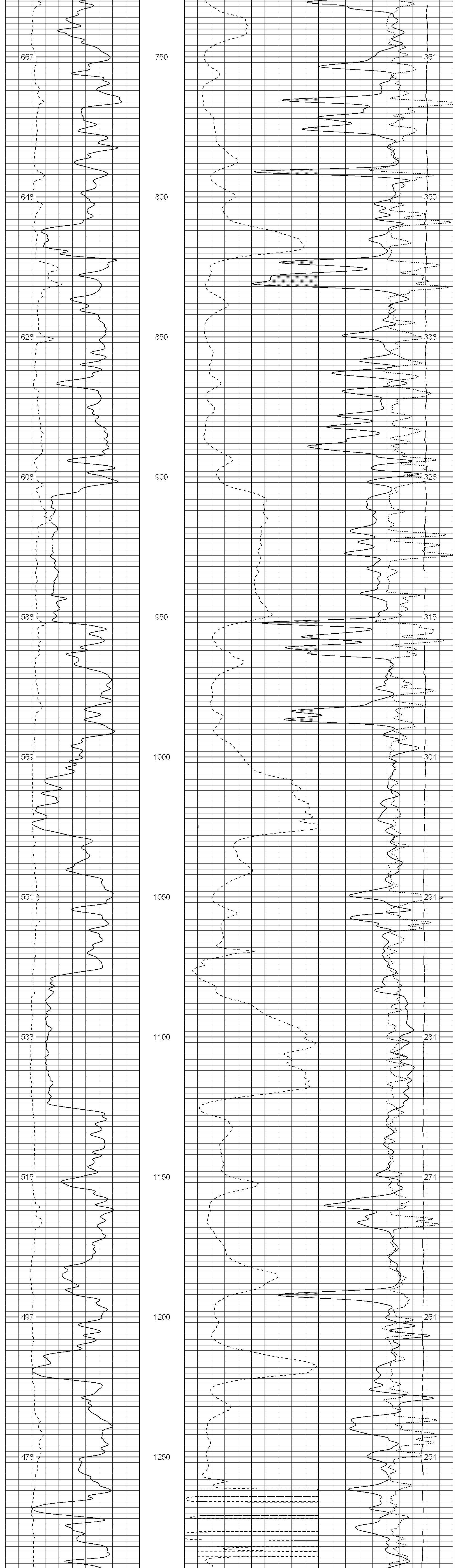
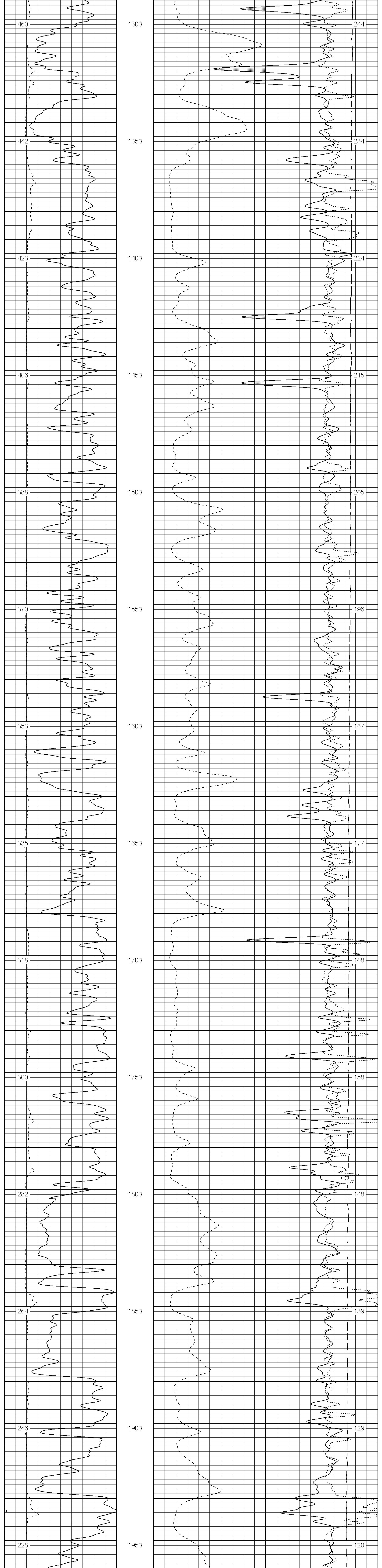
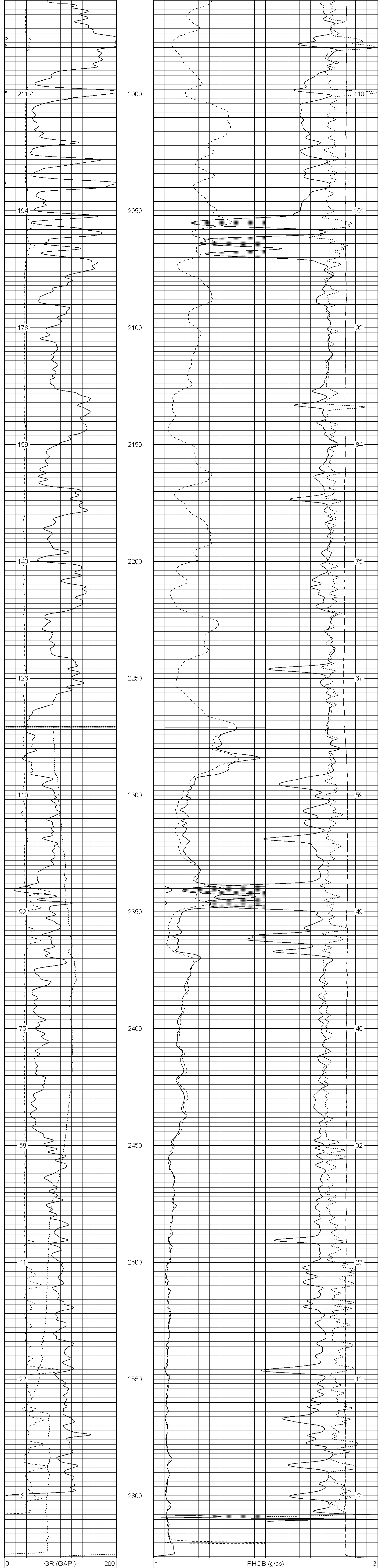
Main Pass

Database File: elpasovprc138.db
Dataset Pathname: pass2.2
Presentation Format: combosil
Dataset Creation: Thu Jan 25 00:44:46 2007 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240









6	DCAL (in)	16	0	DIR (Ohm-m)	50	-0.5	RHOC (g/cc)	0.5
-100	SP (mV)	100	0	SN (Ohm-m)	50	5000	LTEN (lb)	0
			50	DIR (Ohm-m)	500			
			50	SN (Ohm-m)	500			

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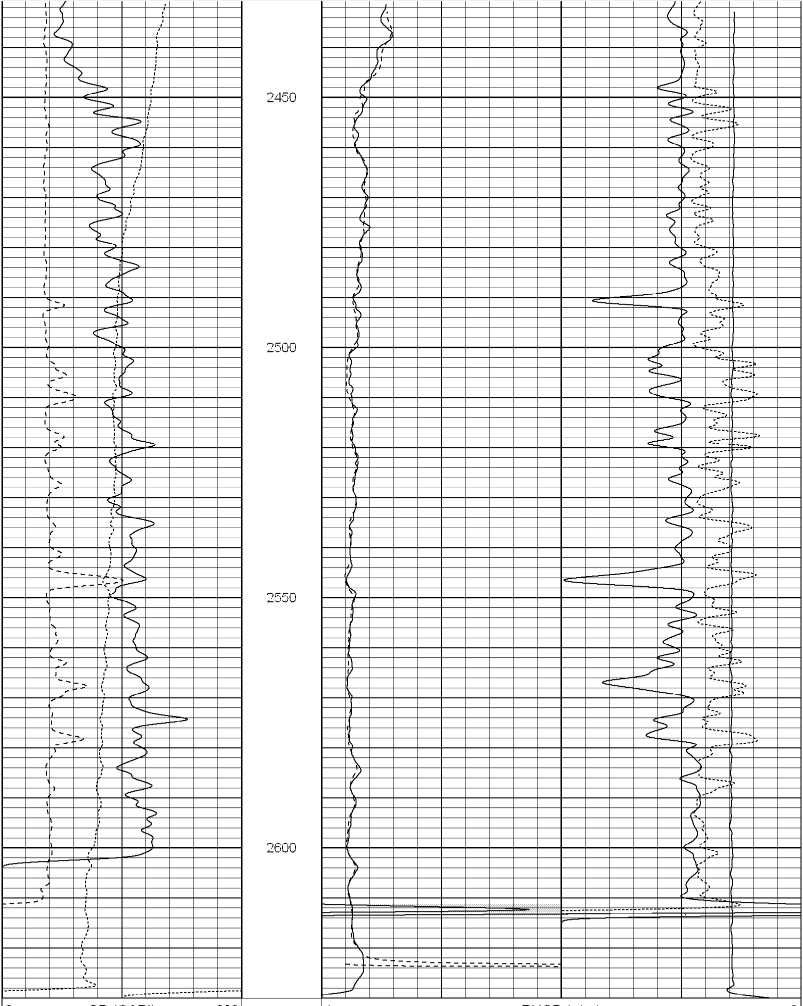
Repeat Section

Database File:	elpasovprc138.db
Dataset Pathname:	pass1
Presentation Format:	combosil2
Dataset Creation:	Wed Jan 24 23:16:24 2007 by Log Open-Cased 060407
Charted by:	Depth in Feet scaled 1:240

0	GR (GAPI)	200	1	RHOB (g/cc)				3
6	DCAL (in)	16	0	DIR (Ohm-m)	50	-0.5	RHOC (g/cc)	0.5
-100	SP (mV)	100	0	SN (Ohm-m)	50	5000	LTEN (lb)	0
			50	DIR (Ohm-m)	500			
			50	SN (Ohm-m)	500			



0	GR (GAPI)	200	1	RHOB (g/cc)				3
6	DCAL (in)	16	0	DIR (Ohm-m)	50	-0.5	RHOC (g/cc)	0.5
-100	SP (mV)	100	0	SN (Ohm-m)	50	5000	LTEN (lb)	0
			50	DIR (Ohm-m)	500			
			50	SN (Ohm-m)	500			

Calibration Report

Database File:	elpasovprc138.db
Dataset Pathname:	pass2
Dataset Creation:	Wed Jan 24 23:27:28 2007 by Log Open-Cased 060407

Induction Tool Calibration Report

Serial Number:	121
Tool Model:	G
Downhole Cal Performed:	Sun Jan 21 01:18:31 2007
Surface Cal Performed:	Wed Jan 10 10:49:07 2007

Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	450.000	mmho
Conductivity Reading:	0.010	0.632	V
Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.010	0.632	V

Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	-0.163	449.470	mmho
Conductivity Reading:	-4.579	459.654	V
Short Normal Reference:	0.000	17.000	Ohm-m
Short Normal Reading:	0.004	0.196	V

Results:	Gain	Offset
Loop Conductivity:	723.526	-7.476
Downhole Correction:	0.969	4.272
Short Normal Resistivity:	68.655	-1.000

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

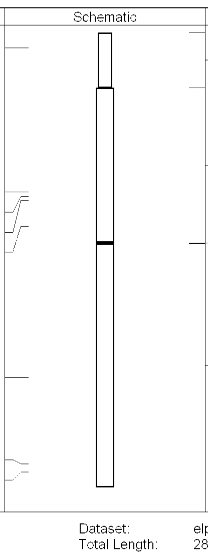
Spine Angle = 76.00

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	18.47					
DCAL	18.18					
SSD	17.93					
TEMP	16.33		TEMP-CDLP (2099T)	0.01	4.00	1.00
DIC	6.89		IEL-G (121)	15.25	4.00	178.00
SP	1.50					
SN	1.00					

Dataset:	elpasovprc138.db: field/well/run1/pass2.2
Total Length:	28.45 ft
Total Weight:	420.00 lb
O.D.	4.00 in