

Company	Pioneer Natural Resources	Company	Pioneer Natural Resources
Well	Sundance 24-28 Tr	Well	Sundance 24-28 Tr
Field	Purgatoire River	Field	Purgatoire River
County	Las Animas	County	Las Animas
State	Colorado	State	Colorado
Location:	APL # : 05 071 09791-0000	Other Services	CDNL
Permanent Datum	391' FSL & 1538' FWL	Elevation	
Log Measured From	SEC 28 TWP 32S RGE 66W	K.B. 7422'	
Drilling Measured From		D.F. -----	
		G.L. 7418'	
Date	5-24-11		
Run Number	One		
Depth Driller	1785'		
Depth Logger	1781'		
Bottom Logged Interval	1777'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 888'		
Casing Logger	888'		
Bit Size	7 7/8"		
Type Fluid in Hole	Airated 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	2:30 P.M.		
Time Logger on Bottom	6:30 P.M.		
Maximum Recorded Temperature	96 DEG F		
Equipment Number	T590		
Location	Trinidad		
Recorded By	C. Sisneros		
Witnessed By	Mr. D. Berry		

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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

Directions:

Riley Canyon, straight at Post Office, left at Y, stay on main road and left on C.R. 30.1, right up hill to Cotton Tail Compressor Station, drive thru station, stay straight, second right, dead end on location.

Database File: sundancetr.db

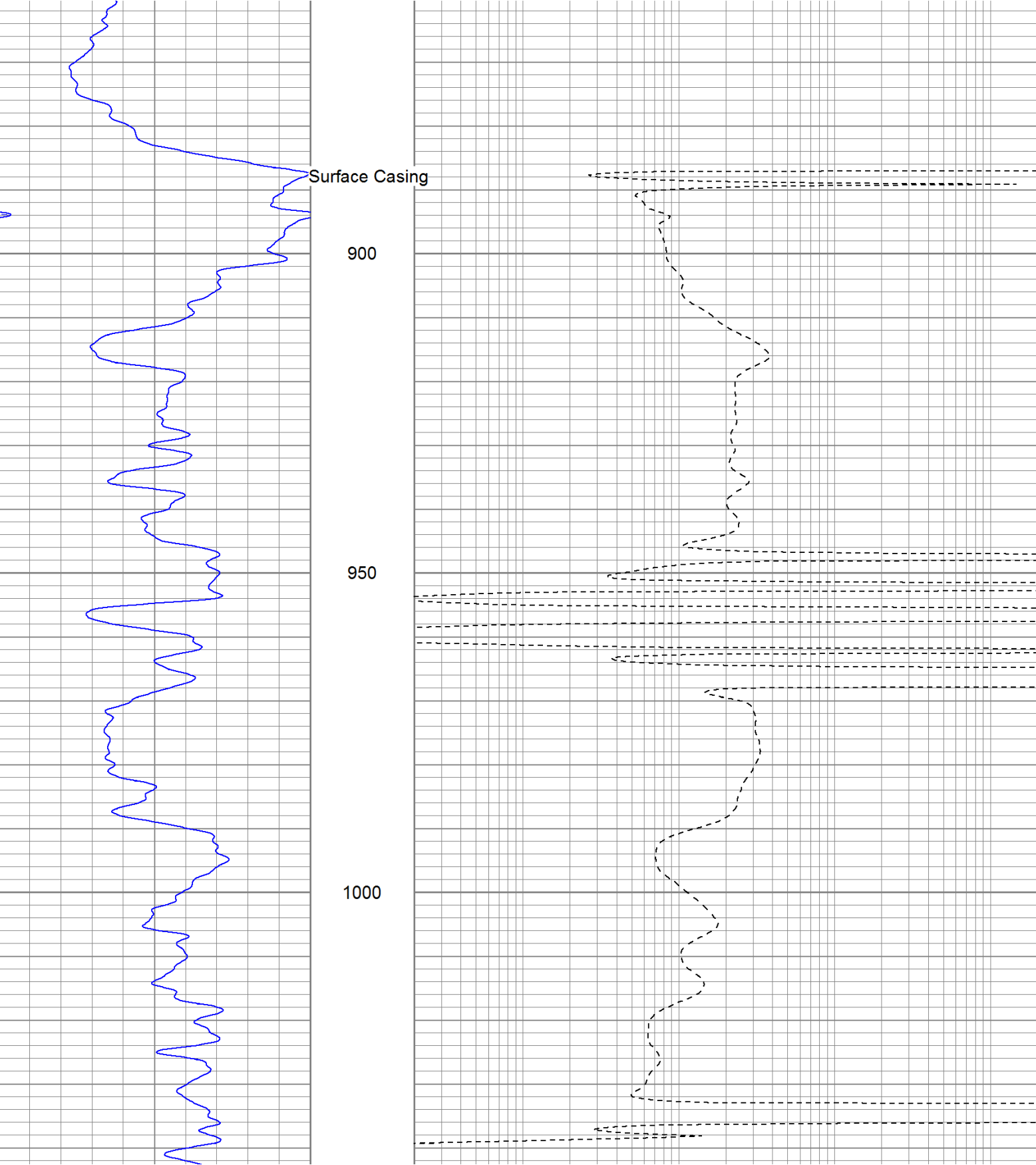
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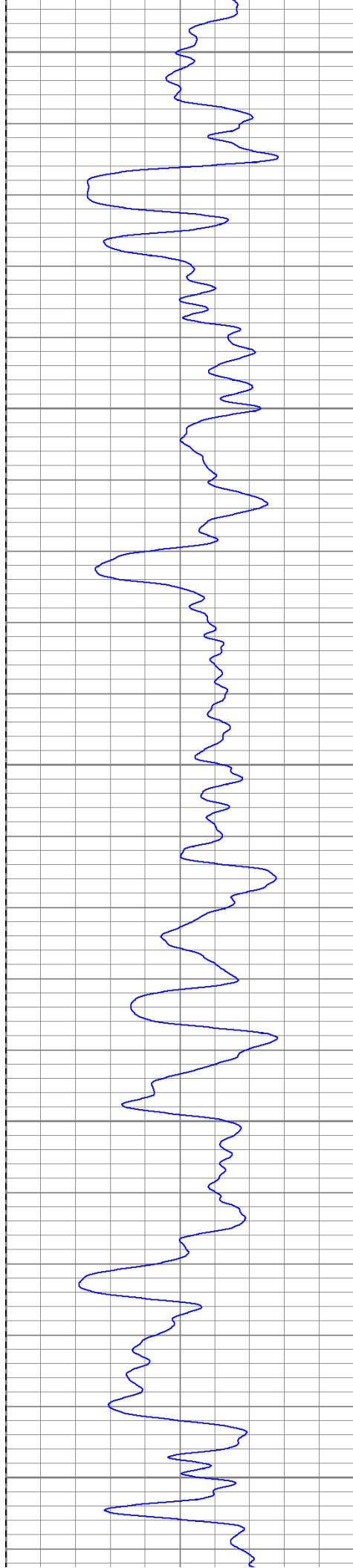
Presentation Format: iel

Dataset Creation: Tue May 24 21:08:11 2011 by Calc Open-Cased 110302

Charted by: Depth in Feet scaled 1:240

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-200	SP (mV)	0	0.2	SN (Ohm-m)	2000





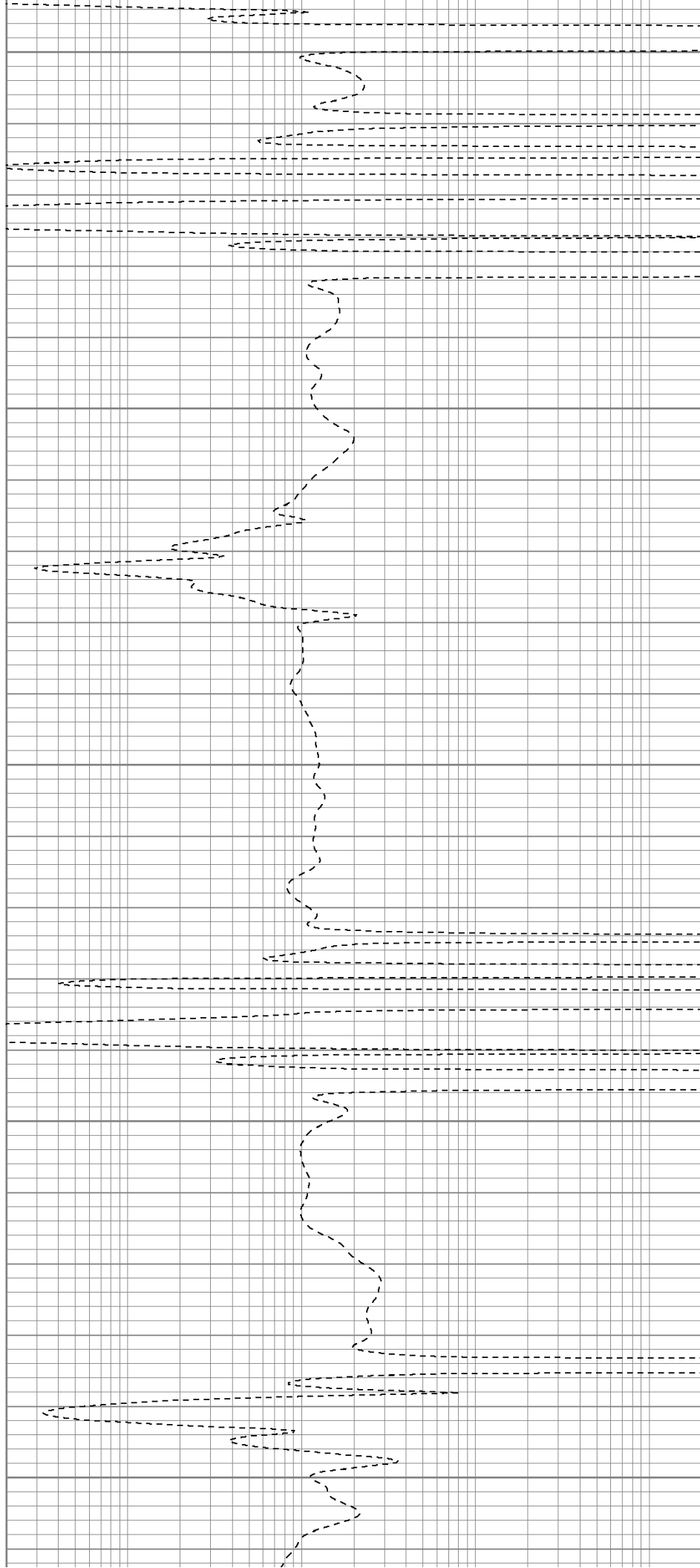
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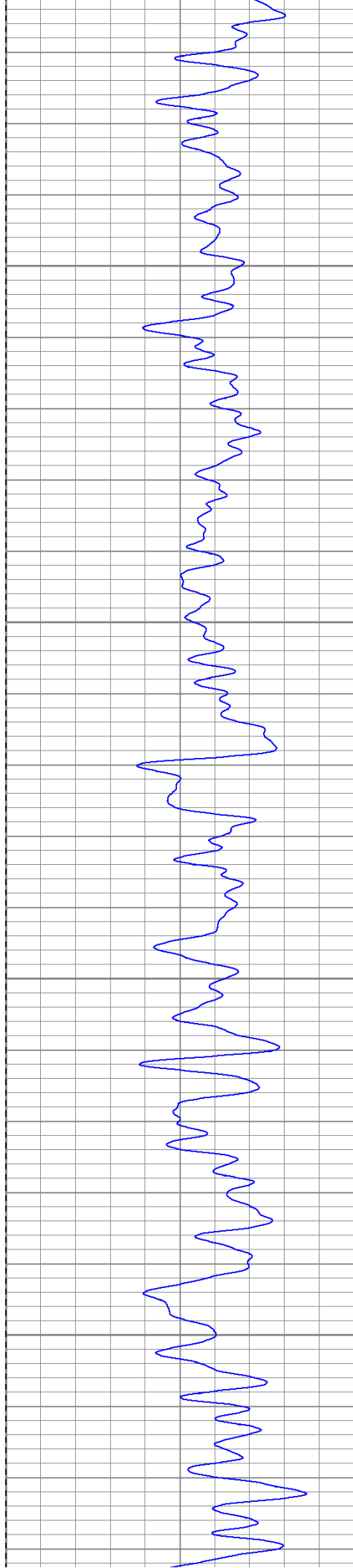
1100

1150

1200

1250



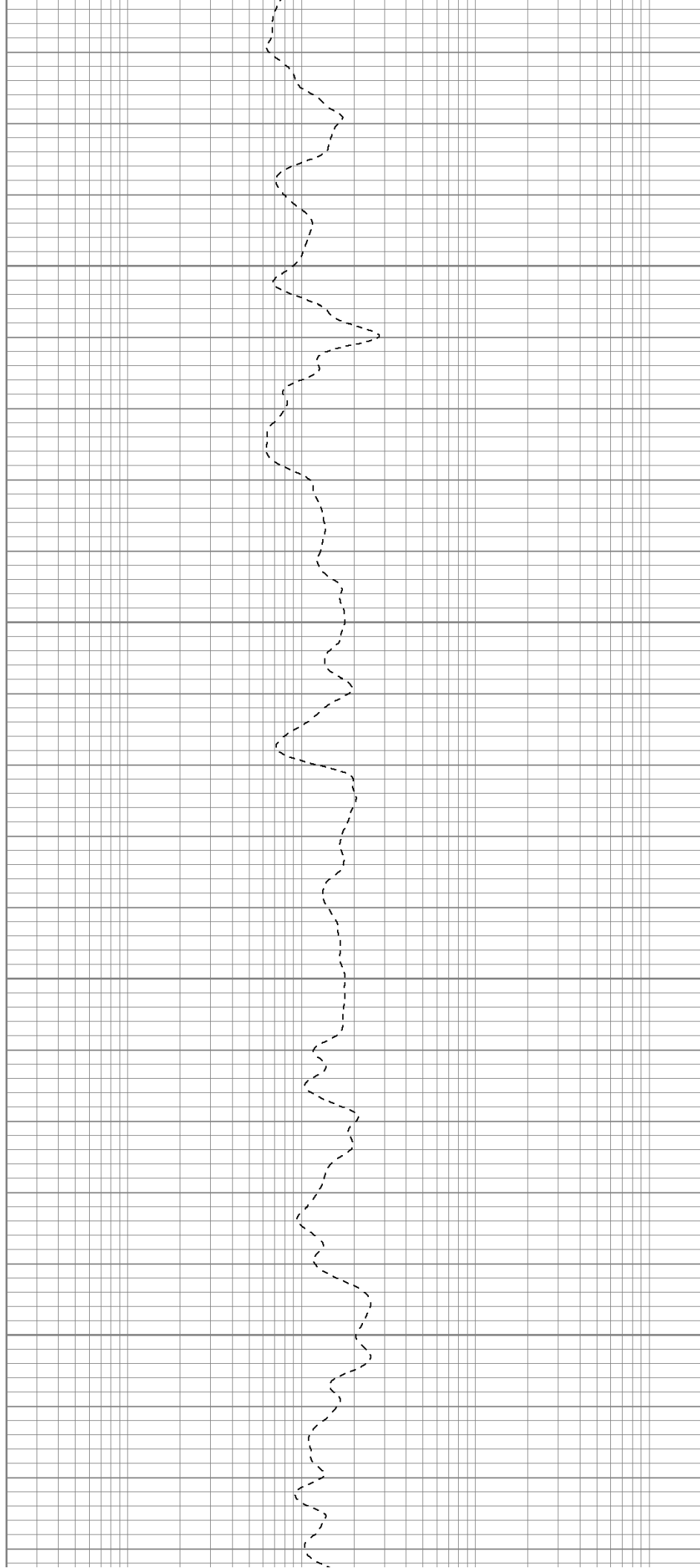


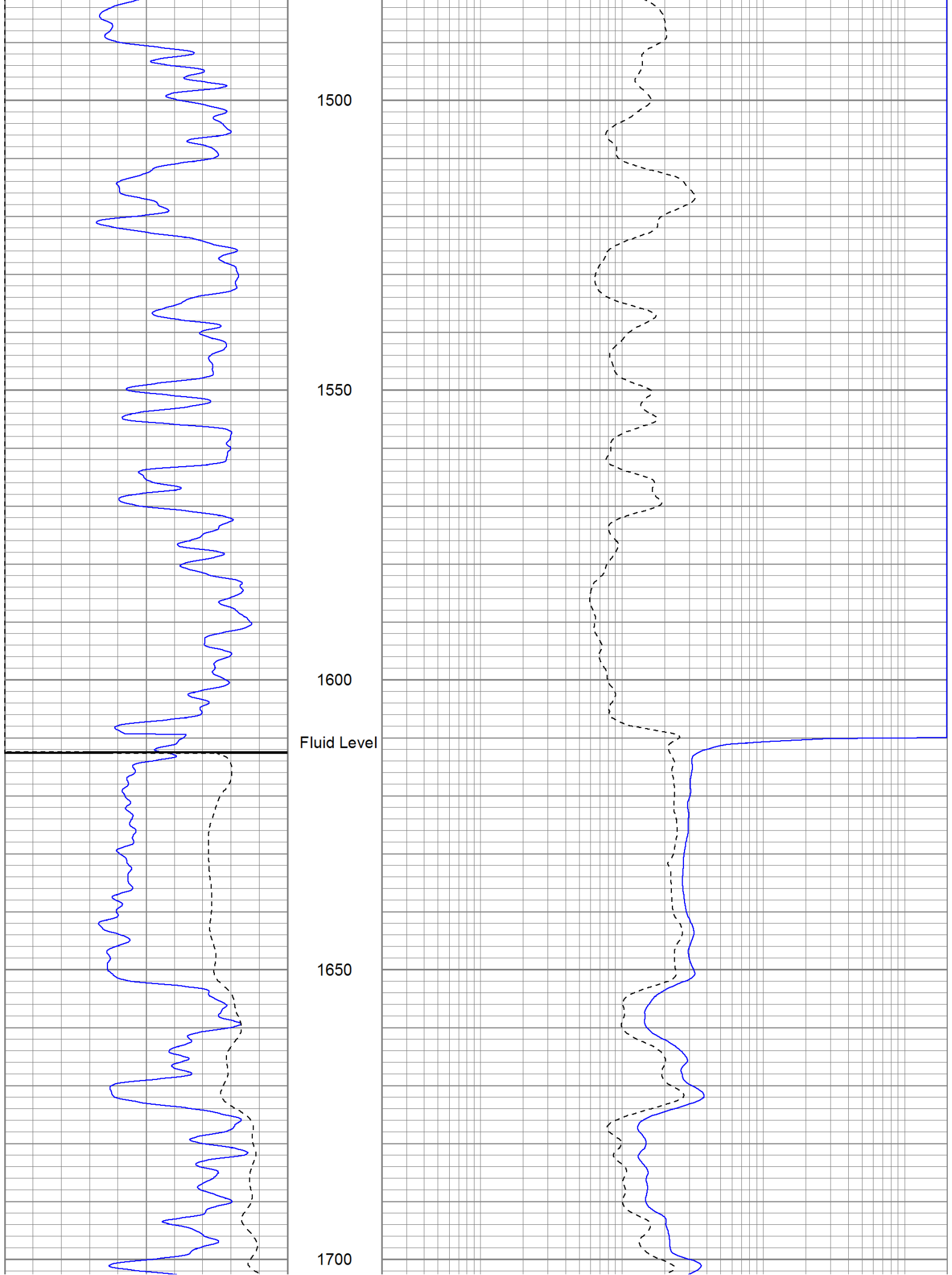
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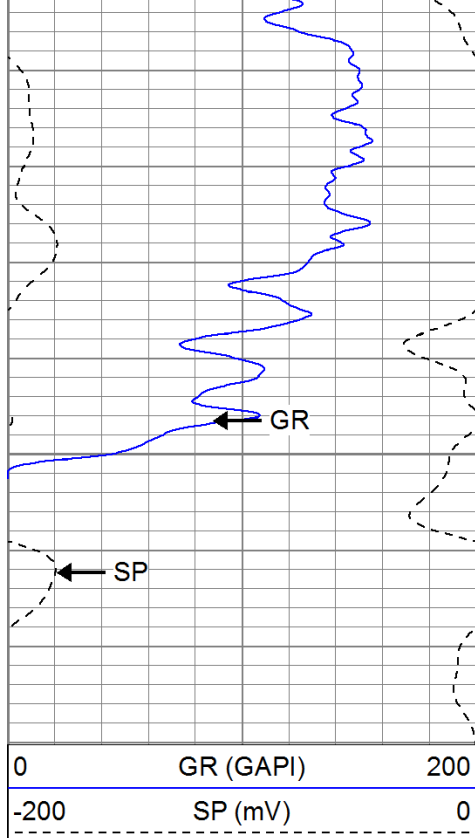
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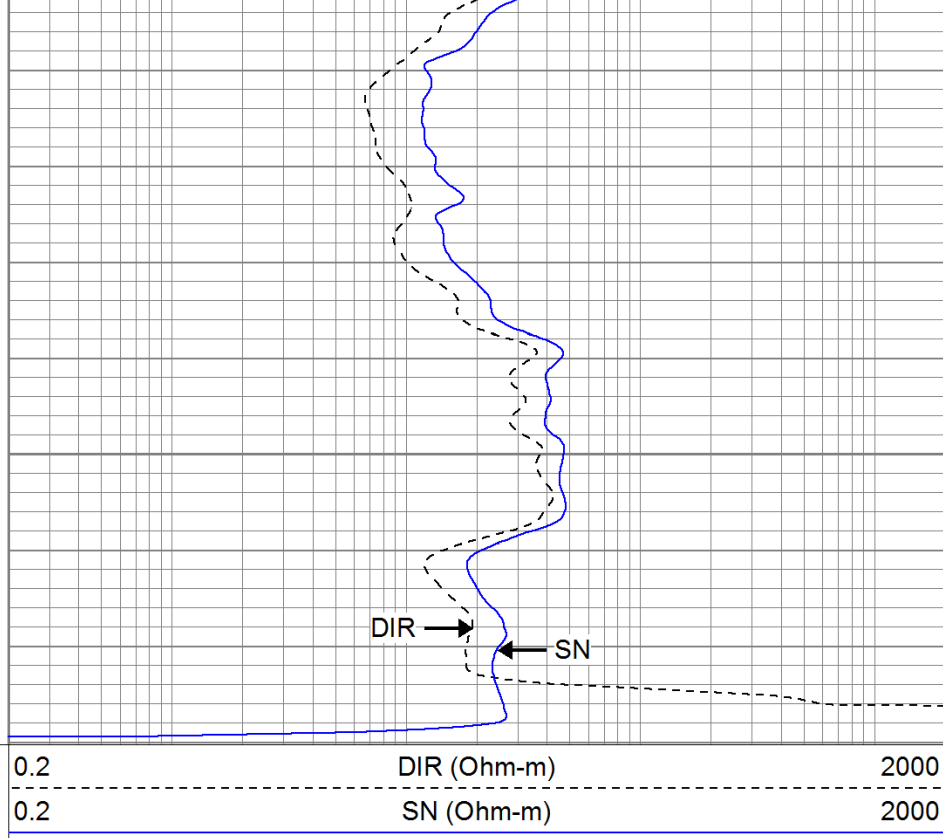
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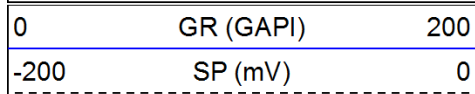


1750

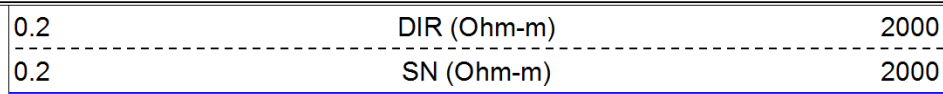


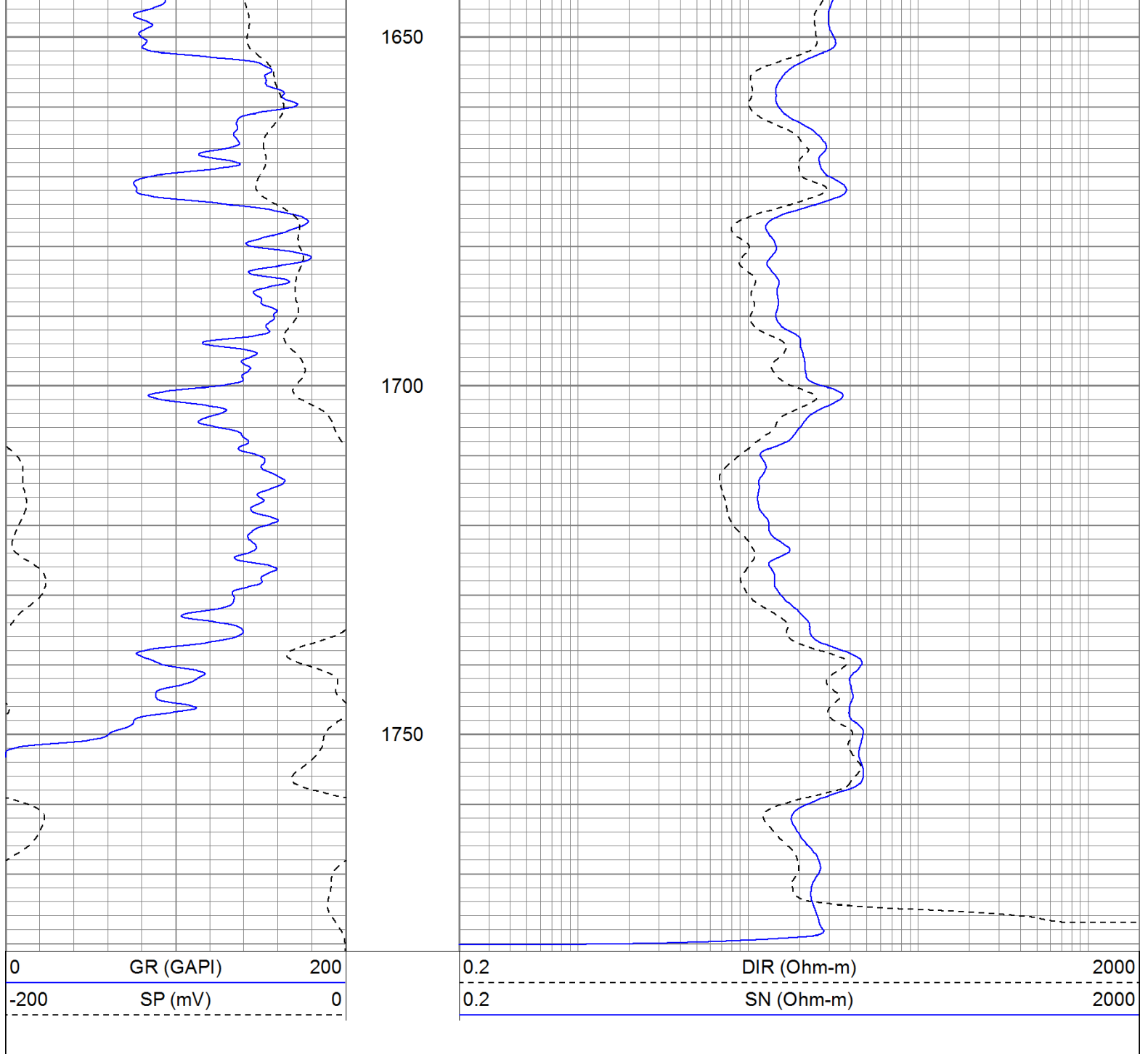
Repeat Section

Database File: sundancetr.db
 Dataset Pathname: pass3.1
 Presentation Format: iel
 Dataset Creation: Tue May 24 21:04:15 2011 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240



1600





Calibration Report

Database File: sundancetr.db
Dataset Pathname: pass3
Dataset Creation: Tue May 24 18:42:24 2011 by Log Open-Cased 110302

Induction Tool Calibration Report

Serial Number: 701
Tool Model: Probe
Downhole Cal Performed: Fri May 13 12:26:14 2011
Surface Cal Performed: Wed Apr 27 12:27:07 2011
After Survey Verification Performed:

Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.006	0.644	V
Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.007	0.643	V

Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	0.703	499.163	mmho
Conductivity Reading:	0.000	0.000	V
Short Normal Reference:	0.000	20.000	Ohm-m
Short Normal Reading:	0.005	0.214	V

Results:	Gain	Offset	
Loop Conductivity:	783.886	-4.674	
Downhole Correction:	1.000	0.000	
Short Normal Resistivity:	95.281	-0.432	

After Survey Verification	Internal Zero	Internal Cal	
Conductivity Reading:	0.000	0.000	V
Conductivity Result:	0.000	0.000	mmho
Short Normal Reading:	0.000	0.000	V
Short Normal Result:	0.000	0.000	Ohm-m

Compensated Density Calibration Report

Serial-Model:	901-2.75POH
Source / Verifier:	/
Master Calibration Performed:	Tue May 17 10:06:24 2011
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration					
	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1001.79	578.48	cps
Aluminum	2.590	g/cc	180.36	300.39	cps
	Spine Angle = 69.08		Density/Spine Ratio = 0.479		
	Size		Reading		
Small Ring	8.00	in	2.50	V	
Large Ring	16.00	in	4.57	V	

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

Neutron Calibration Report

Serial Number:	802	
Tool Model:	2.75POH	
Performed:	Tue May 03 12:28:21 2011	
Calibrator Value:	700	NAPI
Calibrator Reading:	1000	cps
Sensitivity:	0.7	NAPI/cps




Gamma Ray Calibration Report

Serial Number: 801
Tool Model: 2.75POH
Performed: Thu May 05 13:29:10 2011

Calibrator Value: 200.0 GAPI

Background Reading: 8.0 cps
Calibrator Reading: 264.7 cps

Sensitivity: 0.6000 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)	
GR	29.58		None	0.75	1.50	5.00	
			GR-2.75POH (801) Probe 2.75" Probe Open Hole Gamma Ray	3.73	2.75	43.00	
NEU	24.04		NEU-2.75POH (802) Probe Epithermal	4.75	2.75	58.00	
			CDL-2.75POH (901) Probe	8.43	2.75	106.00	
LSD	16.21						
DCAL	15.94						
SSD	15.69						
DIC	6.24		IEL-Probe (701)	13.46	2.75	93.00	
SP	2.25						
SN	1.71						

Dataset: sundancetr.db: field/well/run1/pass1
Total Length: 31.11 ft
Total Weight: 305.00 lb
O.D.: 2.75 in