



TRIPLE COMBO LOG

Company RITCHIE EXPLORATION, INC.
Well WHITE #4
Field BOYS SOUTH
County GRAHAM
State KANSAS

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Location: 1185' FSL & 1396' FWL
API # : 15-065-24157-00-00
SEC 7 TWP 6S RGE 21W
Permanent Datum GROUND LEVEL Elevation 2229
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Elevation
K.B. 2234
D.F. 2232
G.L. 2229

Date	11/09/18
Run Number	ONE
Depth Driller	3757
Depth Logger	3753
Bottom Logged Interval	3751
Top Log Interval	3100
Casing Driller	8 5/8" @ 261
Casing Logger	261
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.0/53
pH / Fluid Loss	10.5/6.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.90@68
Rmt @ Meas. Temp	.68@68
Rmc @ Meas. Temp	1.1@68
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.54@113
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	///
Maximum Recorded Temperature	113F
Equipment Number	1523
Location	HAYS, KANSAS
Recorded By	GUS PFANENSTIEL
Witnessed By	BOB PETERSON

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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

THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395

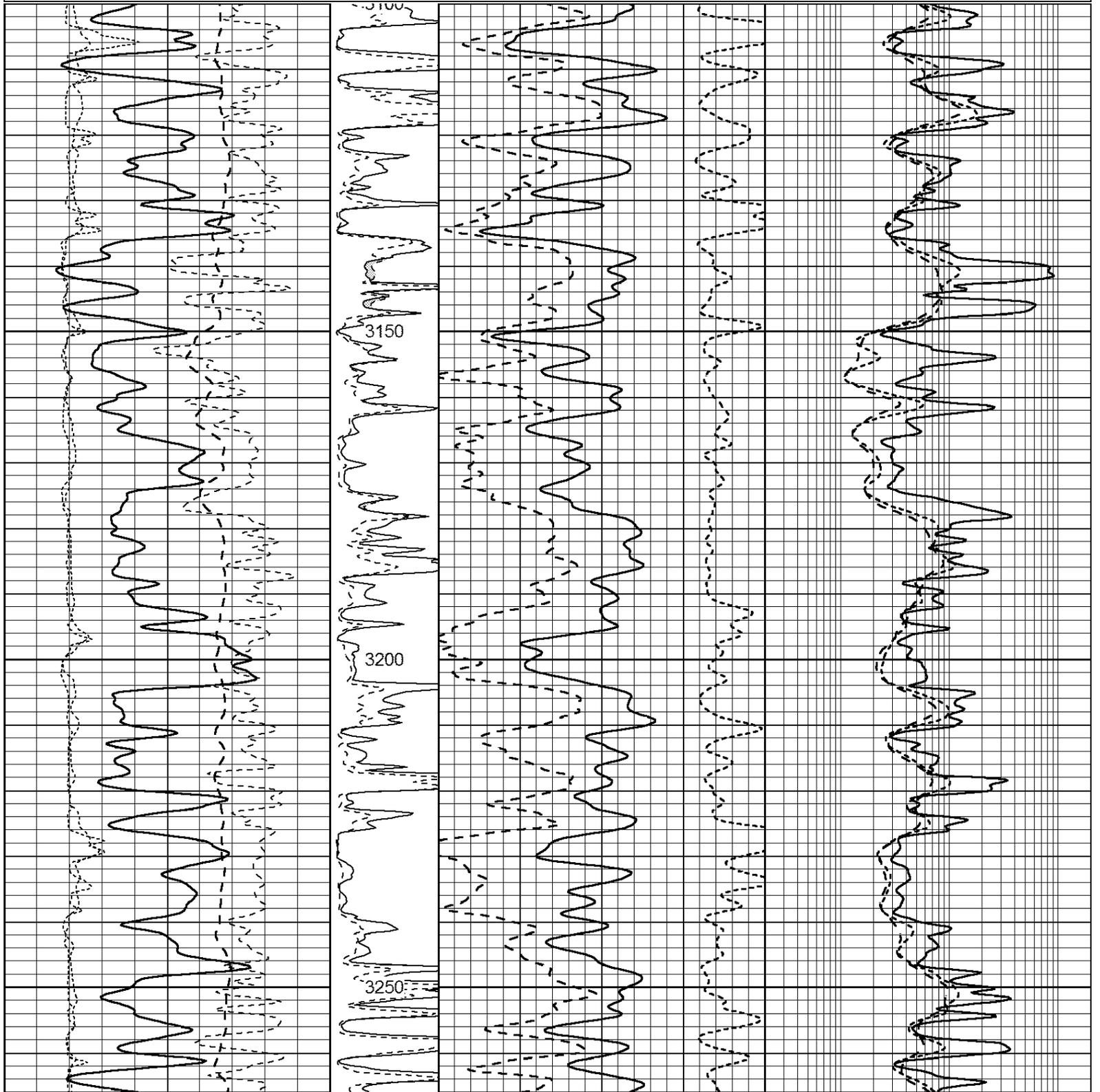
DIRECTIONS
HILL CITY WEST TO 360 RD.
11 NORTH, WEST 2, NORTH 3/4 MILE
EAST INTO.

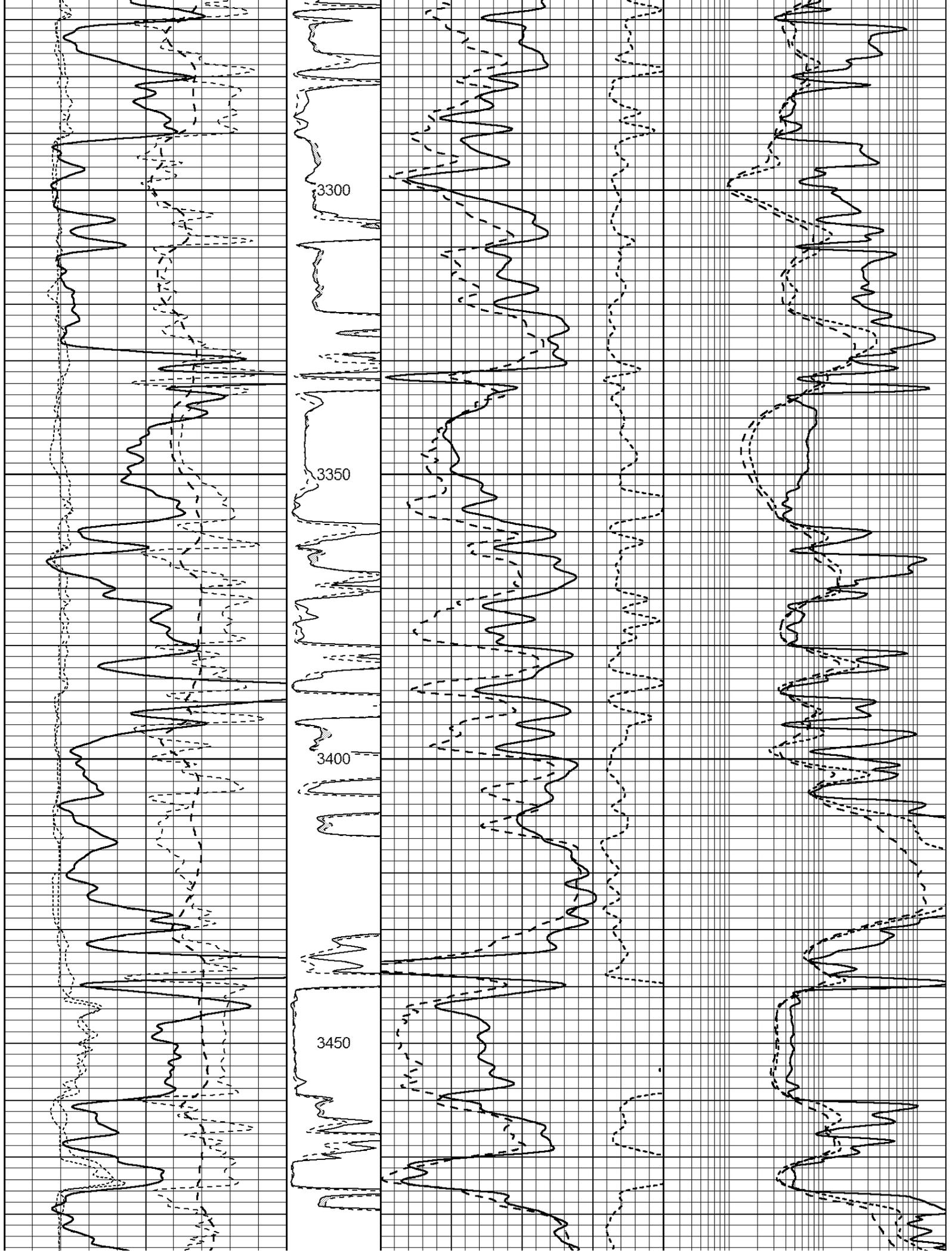


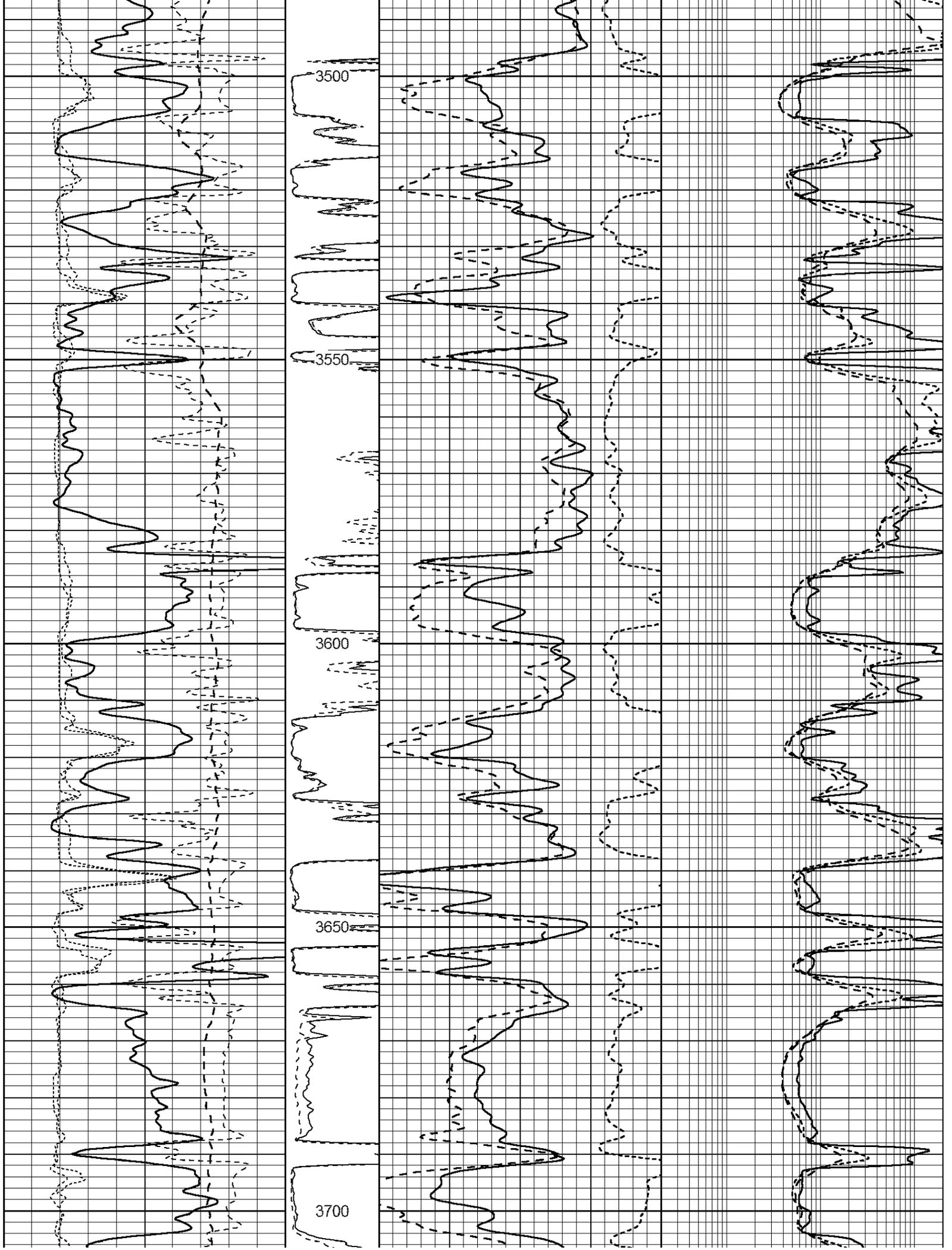
MAIN PASS

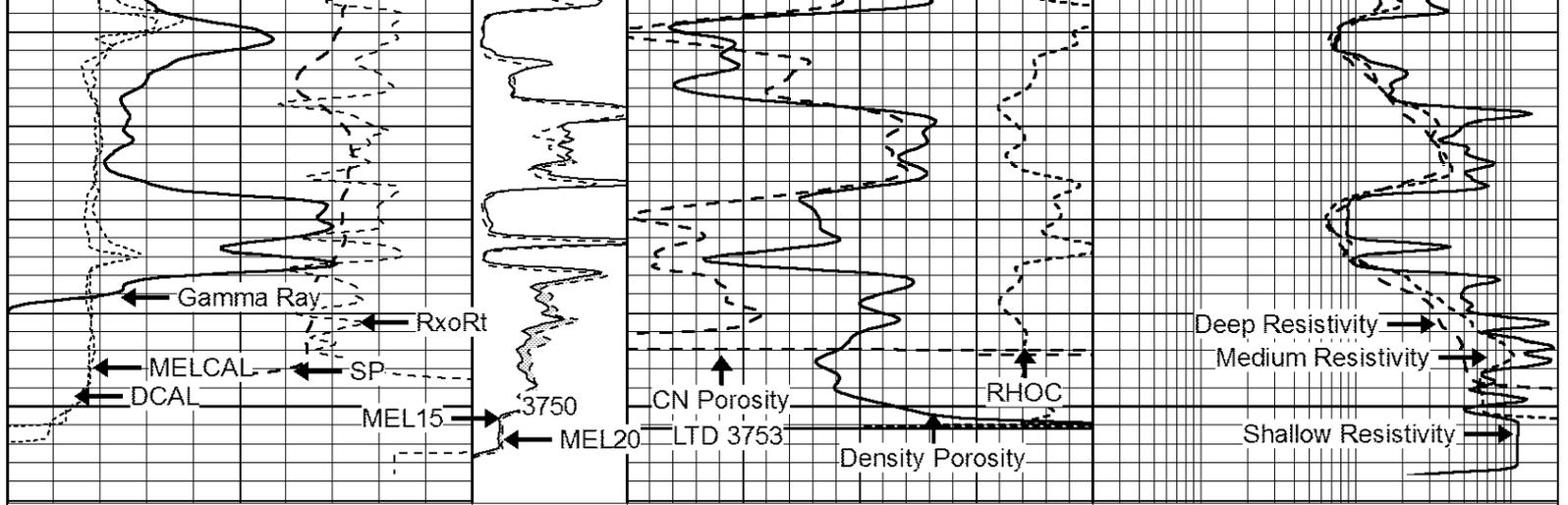
Database File: 3157ddn.db
 Dataset Pathname: pass1LAS
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 Dataset Creation: Fri Nov 09 06:26:51 2018
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	MEL15	30	CN Porosity (pu)	-10	0.2	Deep Resistivity (Ohm-m)	200
-100	SP (mV)	100	(Ohm-m)	30	Density Porosity (pu)	-10	0.2	Medium Resistivity (Ohm-m)	200
-250	RxoRt	50	0 40	CORRECTION			0.2	Shallow Resistivity (Ohm-m)	200
6	DCAL (in)	16	MEL20	-0.25 (g/cc) 0.25					
6	MELCAL (in)	16	(Ohm-m)						
			0 40						









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