



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company CITATION OIL & GAS CORP.
Well J. MOREL #8
Field MOREL
County GRAHAM State KANSAS

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State KANSAS

Location: API #: 15-065-23902-00-00
2310' FSL & 1650' FEL
NE - NW - SE
SEC 15 TWP 9S RGE 21W
Permanent Datum GROUND LEVEL Elevation 2244
Log Measured From KELLY BUSHING 10' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/PE
Elevation
K.B. 2254
D.F. 2252
G.L. 2244

Date	5/12/13		
Run Number	TWO		
Depth Driller	3780		
Depth Logger	3775		
Bottom Logged Interval	3773		
Top Log Interval	3100		
Casing Driller	1697		
Casing Logger	1696		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1000	
Density / Viscosity	8.9 / 42		
pH / Fluid Loss	10.5 / 8.0		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.85 @ 74F		
Rmf @ Meas. Temp	0.64 @ 74F		
Rmc @ Meas. Temp	1.02 @ 74F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.55 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	JEFF GRONEWEG		
Witnessed By	JUSTIN CARTER		

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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

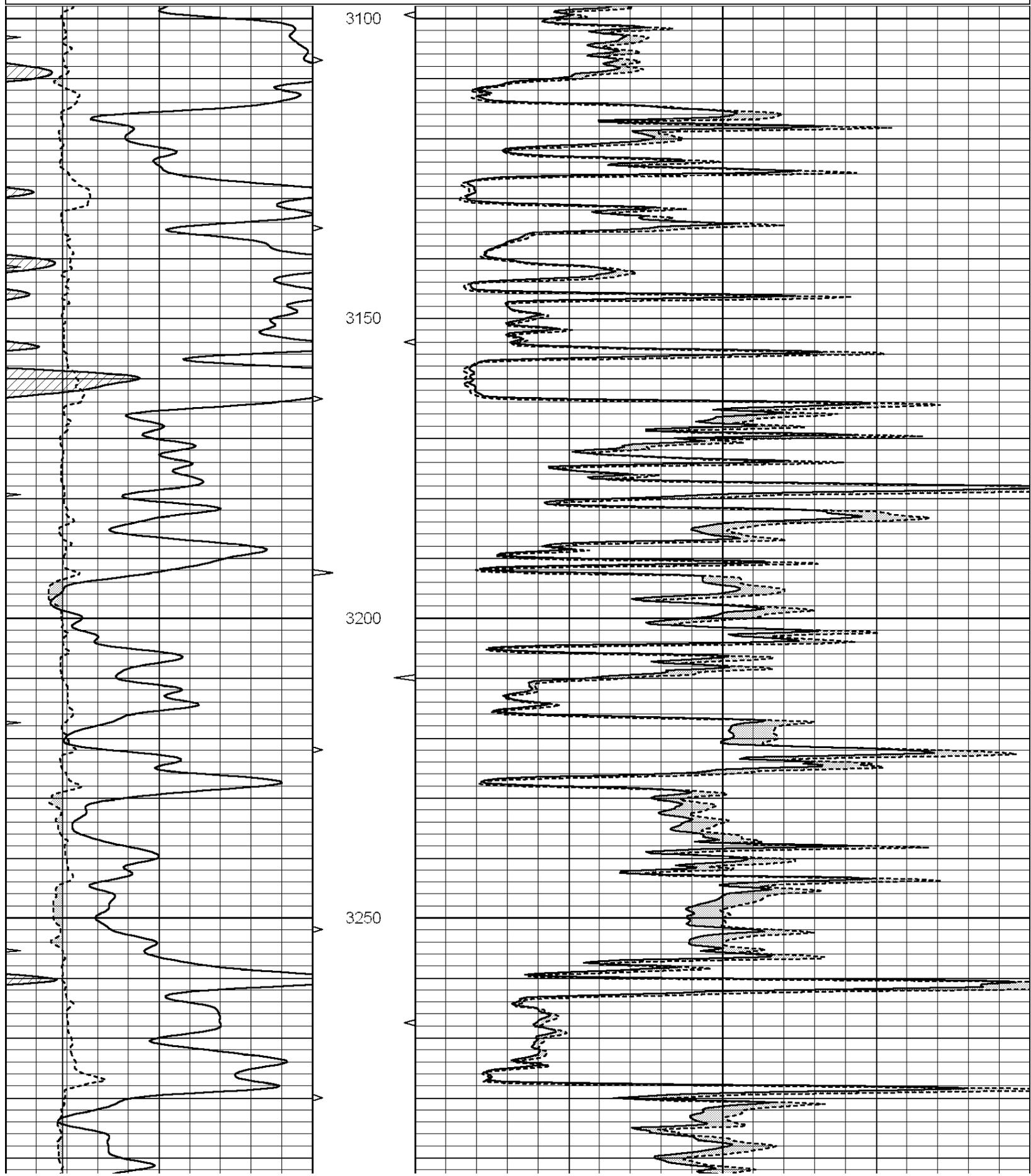
NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: PALCO, KS - SOUTH TO REDLINE RD (RD H) - WEST TO CHURCH OF GOD
(RD 380) - 3 MILES NORTH - WEST & SOUTH INTO

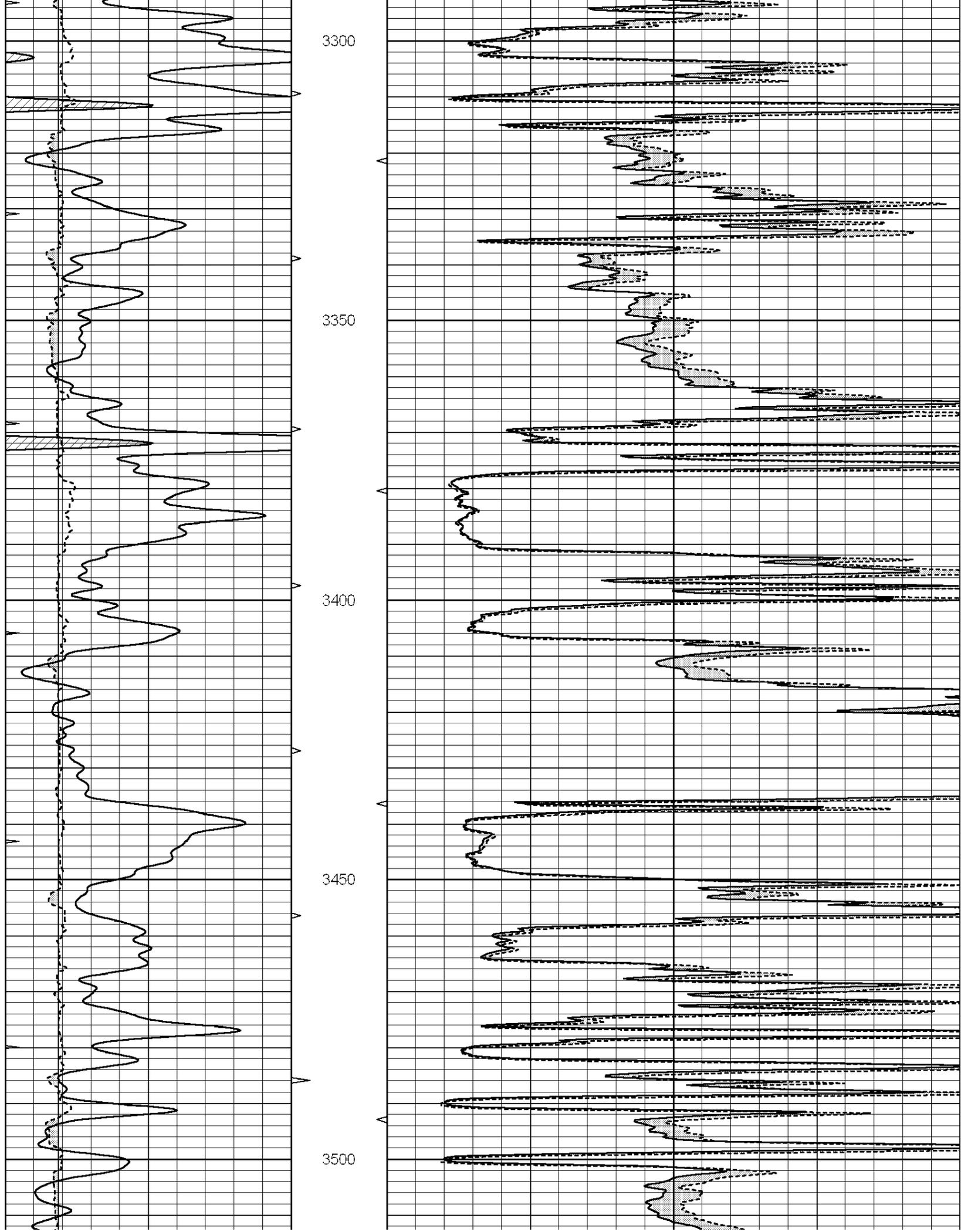
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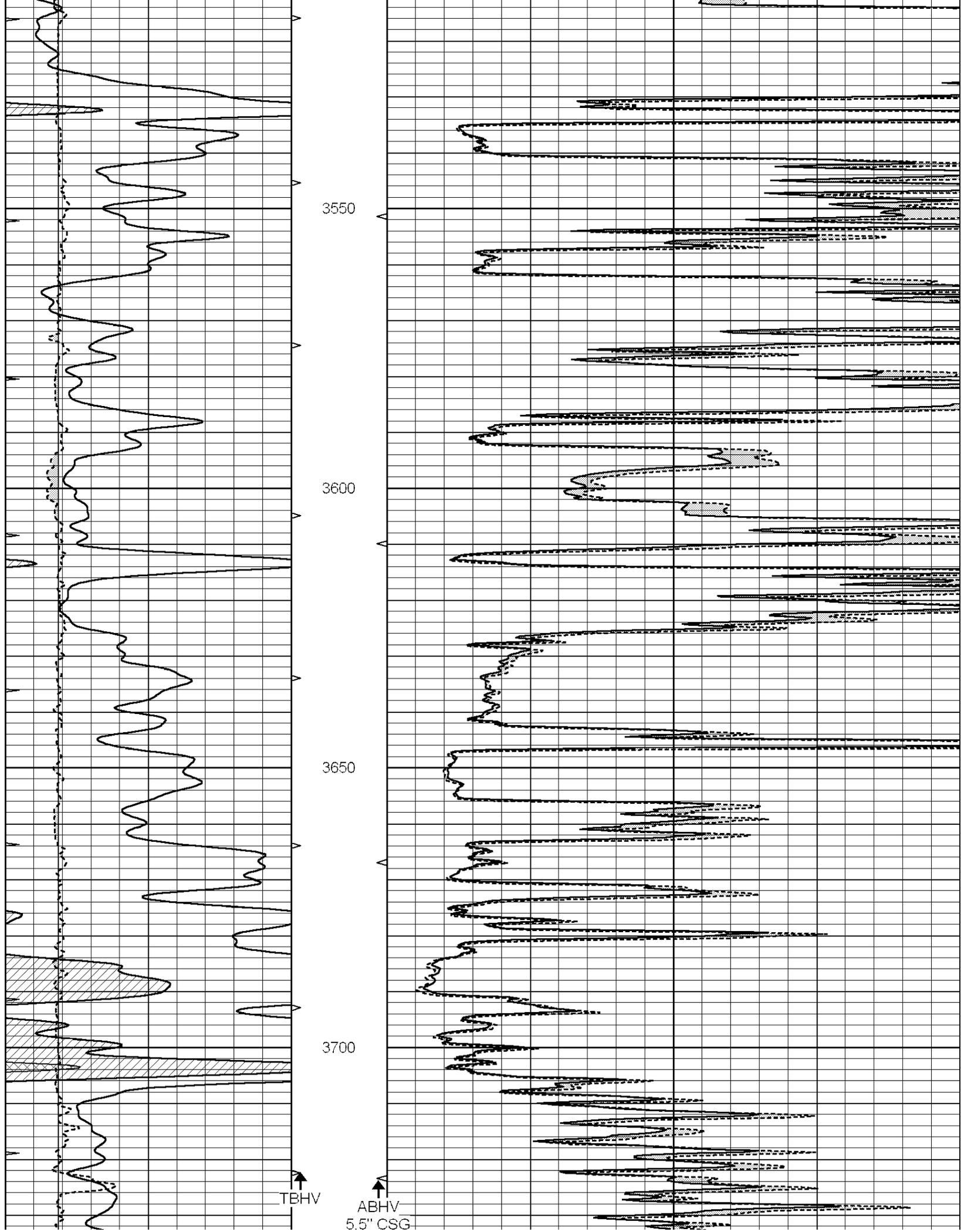
Depth in Feet scaled 1:240

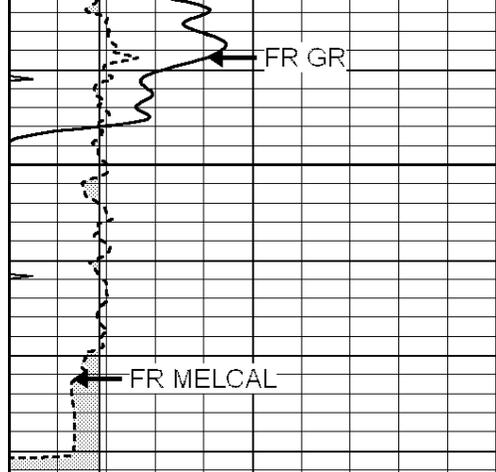
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6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





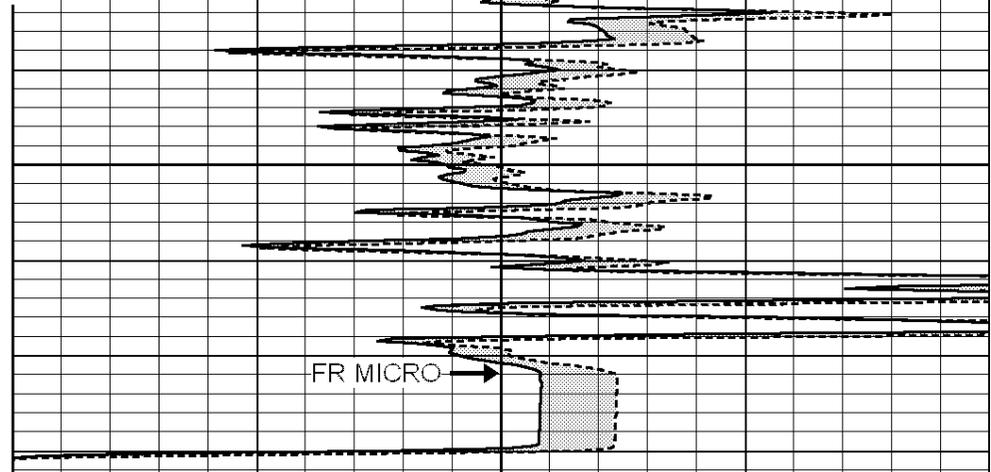




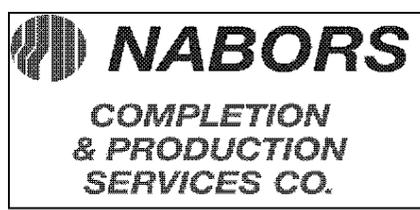
3750

LTD 3775

0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20



0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

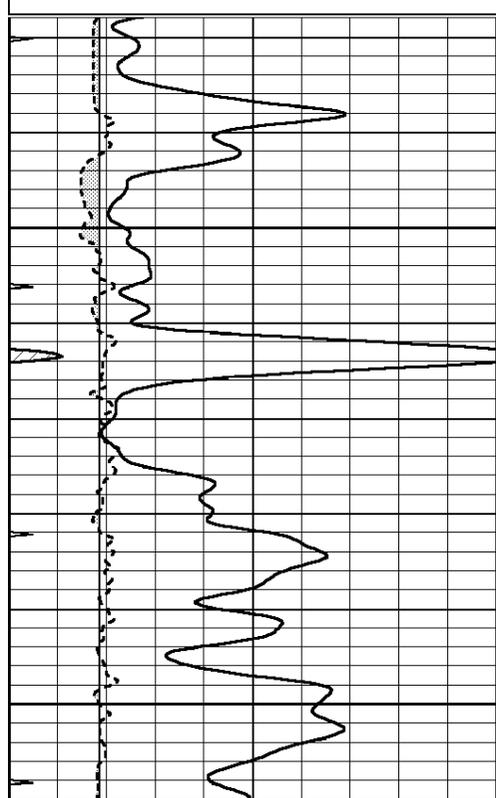


REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

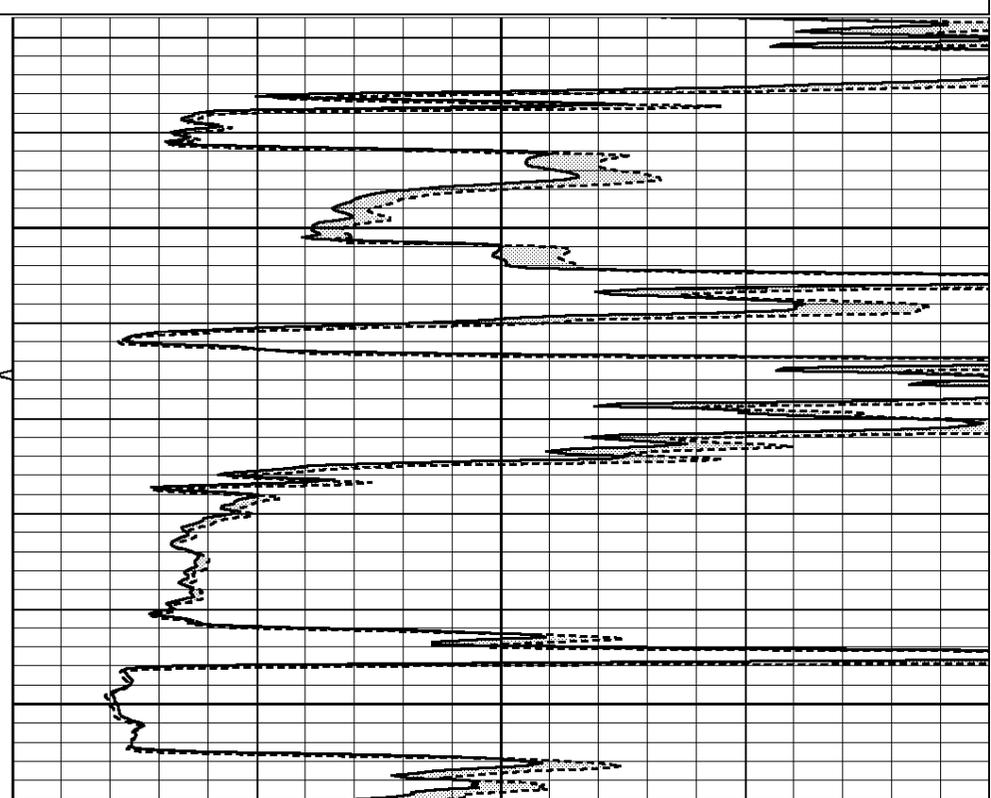
0	GAMMA RAY (GAPI)	150
6	MELCAL (in)	16
0	MINMK	20

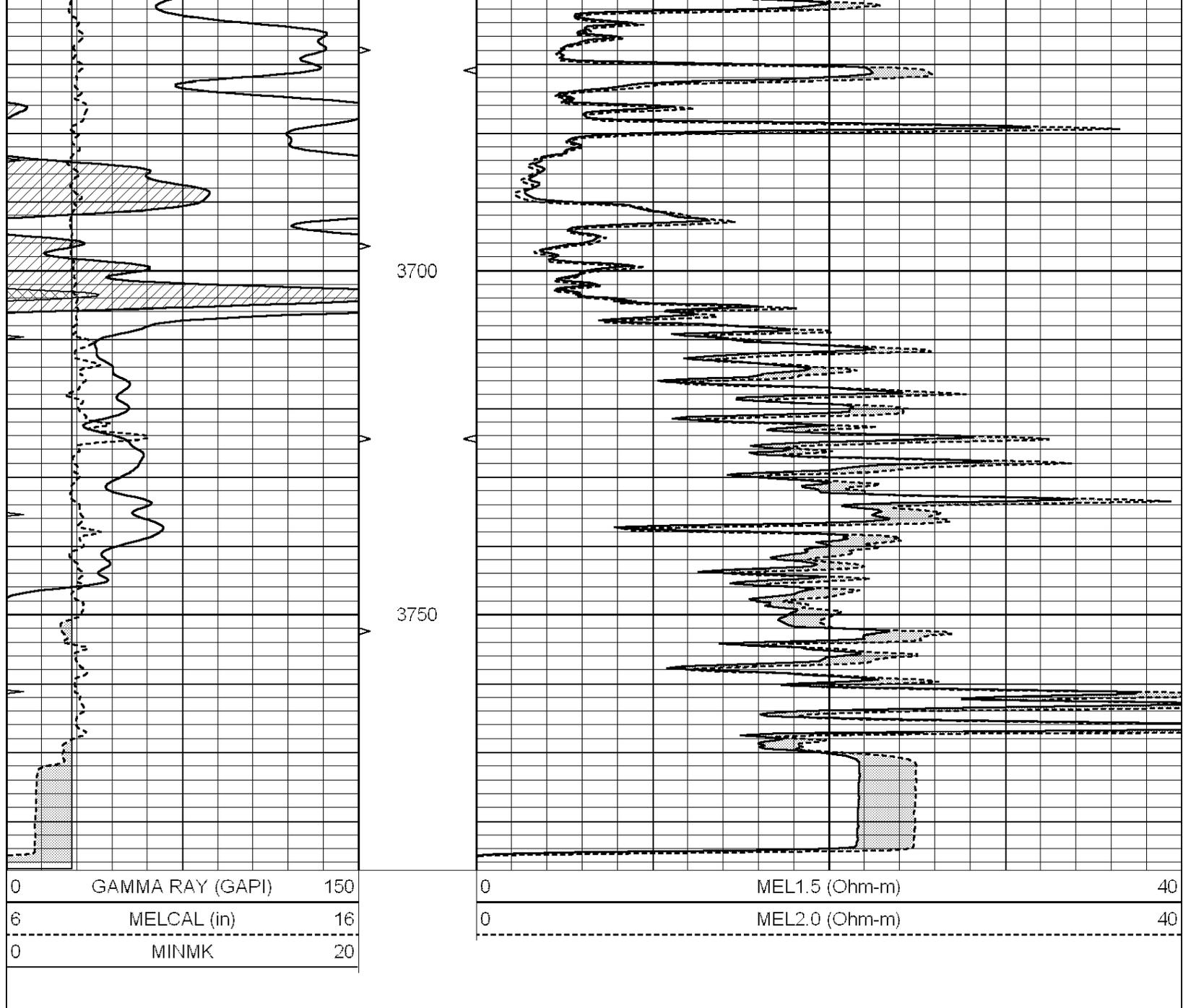
0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



3600

3650





Calibration Report

Database File: 010177pe.db
 Dataset Pathname: pass5.2
 Dataset Creation: Sun May 12 07:57:28 2013

MICRO Calibration Report

Serial Number: MICRO4
 Tool Model: PROBE
 Performed: Tue Apr 23 16:01:43 2013

Caliper Calibration: Gain=2.725 Offset=-6.914

References	Low Cal	High Cal
Readings	8.500	14.000
	5.584	7.602

1.5" Calibration: Gain=40.000 Offset=0.000

References	Low Cal	High Cal
	0.000	20.000

Readings	0.009	1.541
2" Calibration:	Gain=42.000	Offset=-0.750
References	Low Cal 0.000	High Cal 20.000
Readings	0.004	1.198

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Tue May 07 11:41:40 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	2.0000	GAPI/cps