



**COMPLETION
& PRODUCTION
SERVICES CO.**

MICRO LOG

Company	BLACK DIAMOND OIL, INC.	Company	BLACK DIAMOND OIL, INC.
Well	KS BRAND #1	Well	KS BRAND #1
Field	RAY WEST	Field	RAY WEST
County	NORTON	County	NORTON
State	KANSAS	State	KANSAS
Location:	API # : 15-137-20731-00-00 SW - NW - SE - NW 1700' FNL & 1340' FWL	Other Services CNL/CDL DIL	
Permanent Datum	SEC 22 TWP 5S RGE 21W	Elevation	
Log Measured From	GROUND LEVEL Elevation 2144	K.B. 2149	
Drilling Measured From	KELLY BUSHING 5' A.G.L	D.F. 2147	
	KELLY BUSHING	G.L. 2144	
Date	5-16-15		
Run Number	TWO		
Depth Driller	3583		
Depth Logger	3583		
Bottom Logged Interval	3581		
Top Log Interval	3050		
Casing Driller	8 5/8 @ 217		
Casing Logger	217		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 750 PPM	
Density / Viscosity	9.4/57		
pH / Fluid Loss	10.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.00 @ 74F		
Rmf @ Meas. Temp	1.50 @ 74F		
Rmc @ Meas. Temp	2.40 @ 74F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.01 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	IAN MABB		
Witnessed By	JEFF LAWLER		

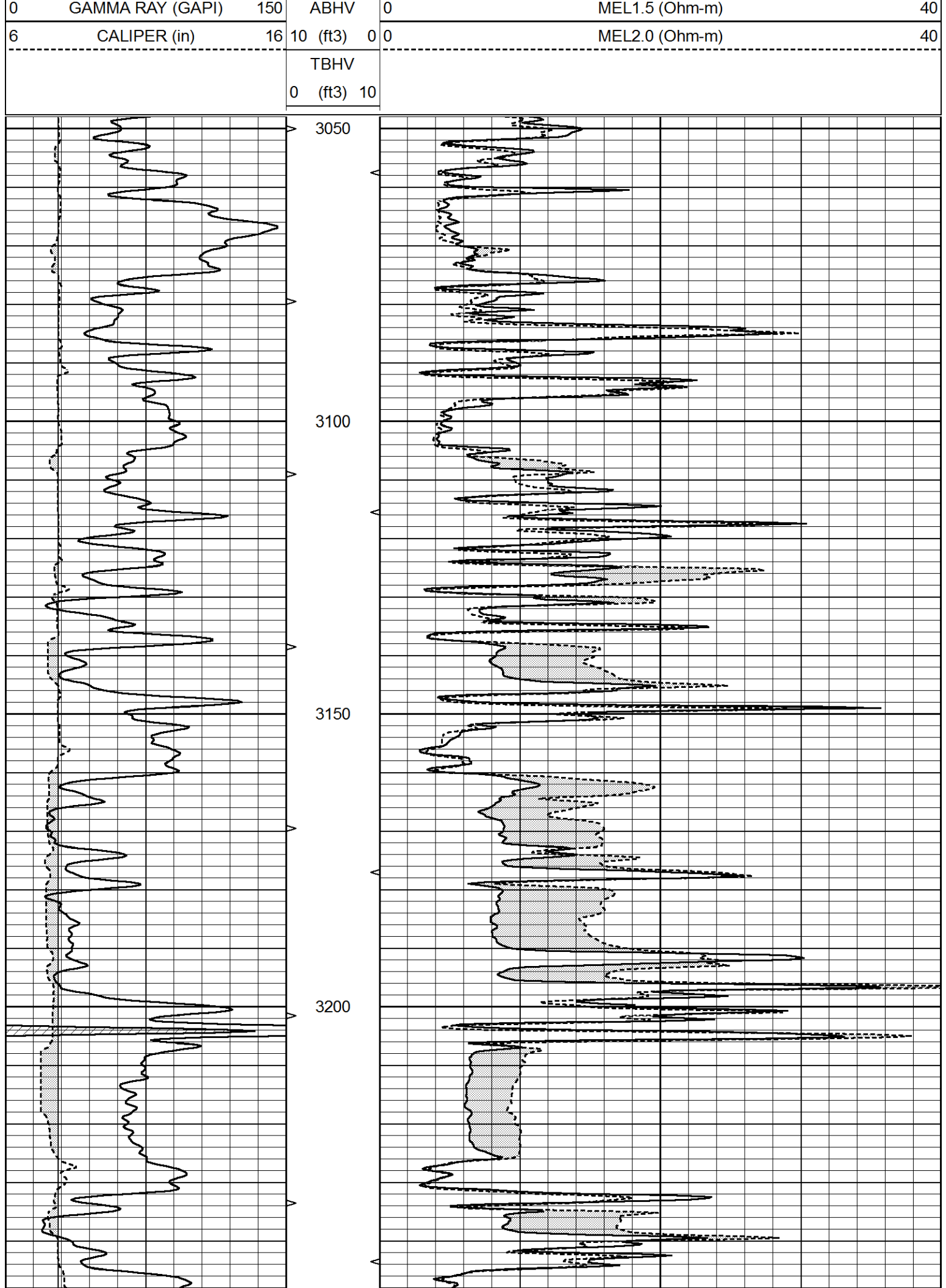
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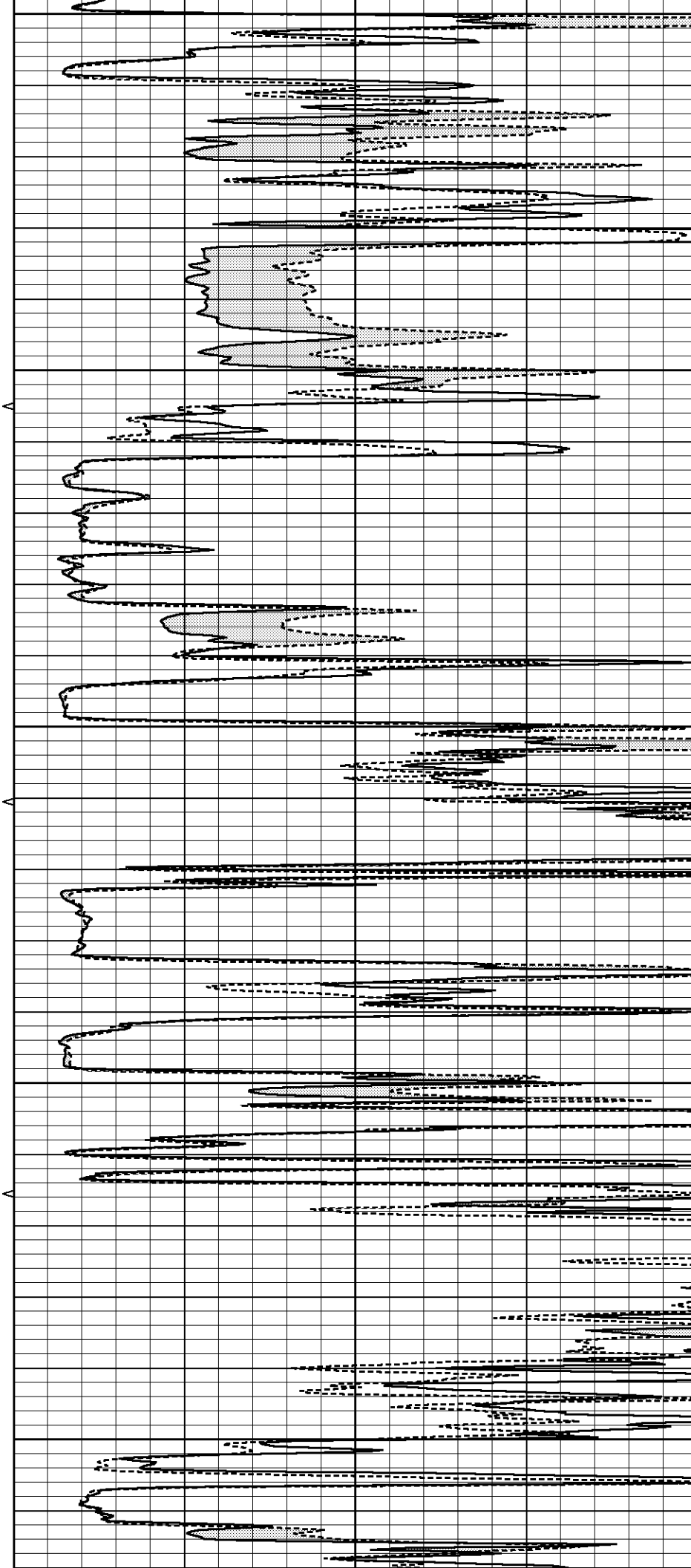
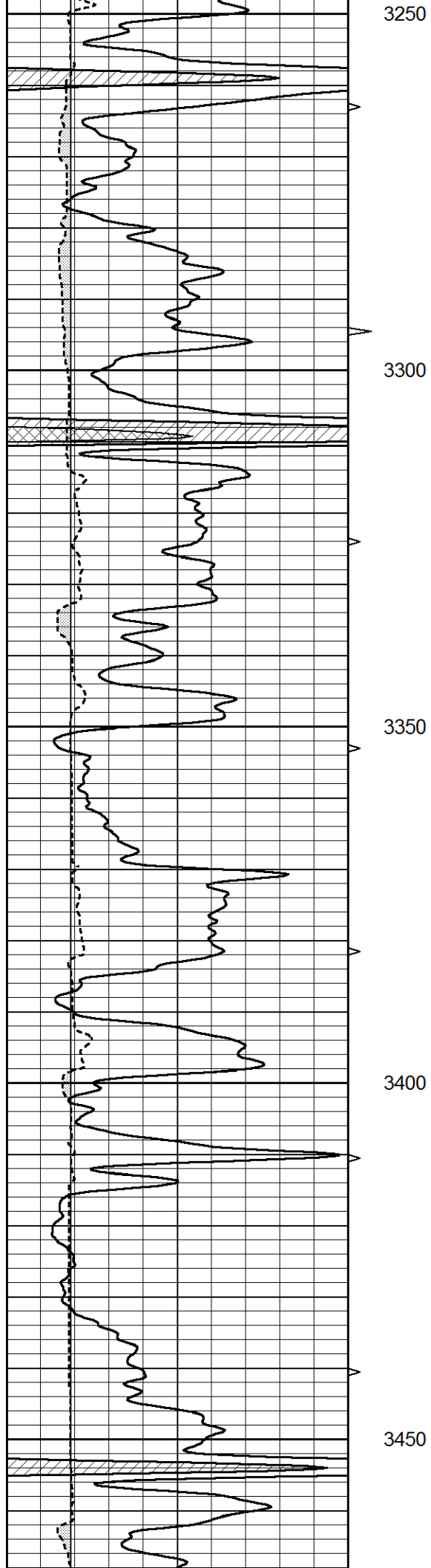
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

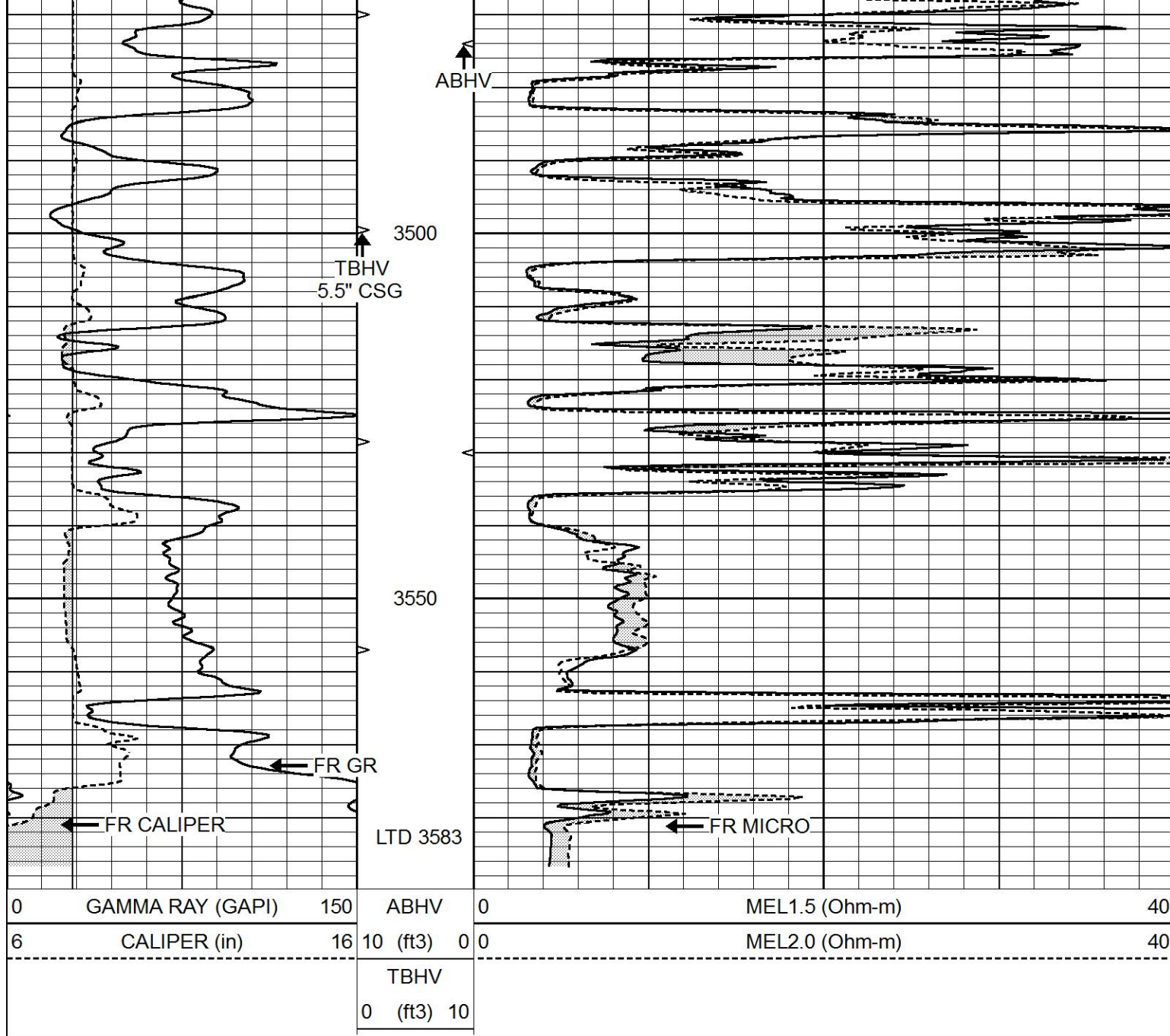
Comments

THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS : LOGAN, KS. - 5 MILES WEST TO RD 12 - 1.5 MILES SOUTH TO RD Z - 1 MILE WEST
TO RD 11 - 3 MIILES SOUTH EAST INTO AT THE CATTLE GUARD.

Database File 26441ddn8.db
Dataset Pathname pass6.1.1
Presentation Format _micro
Dataset Creation Sat May 16 12:22:24 2015
Charted by Depth in Feet scaled 1:240



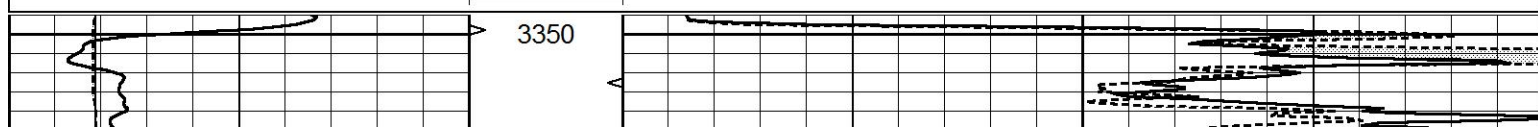


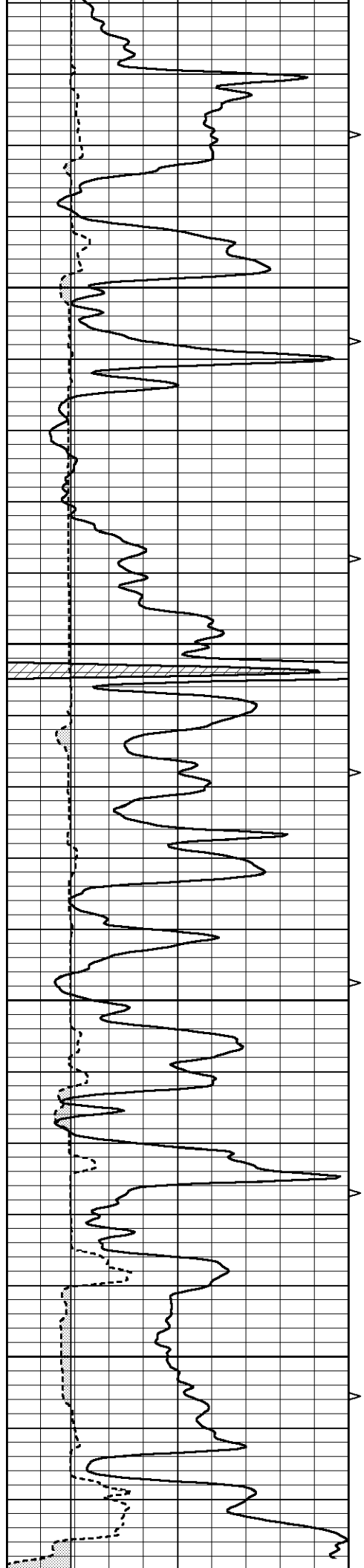


REPEAT SECTION

Database File 26441ddn8.db
 Dataset Pathname pass5.1.1
 Presentation Format _micro
 Dataset Creation Sat May 16 12:03:46 2015
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



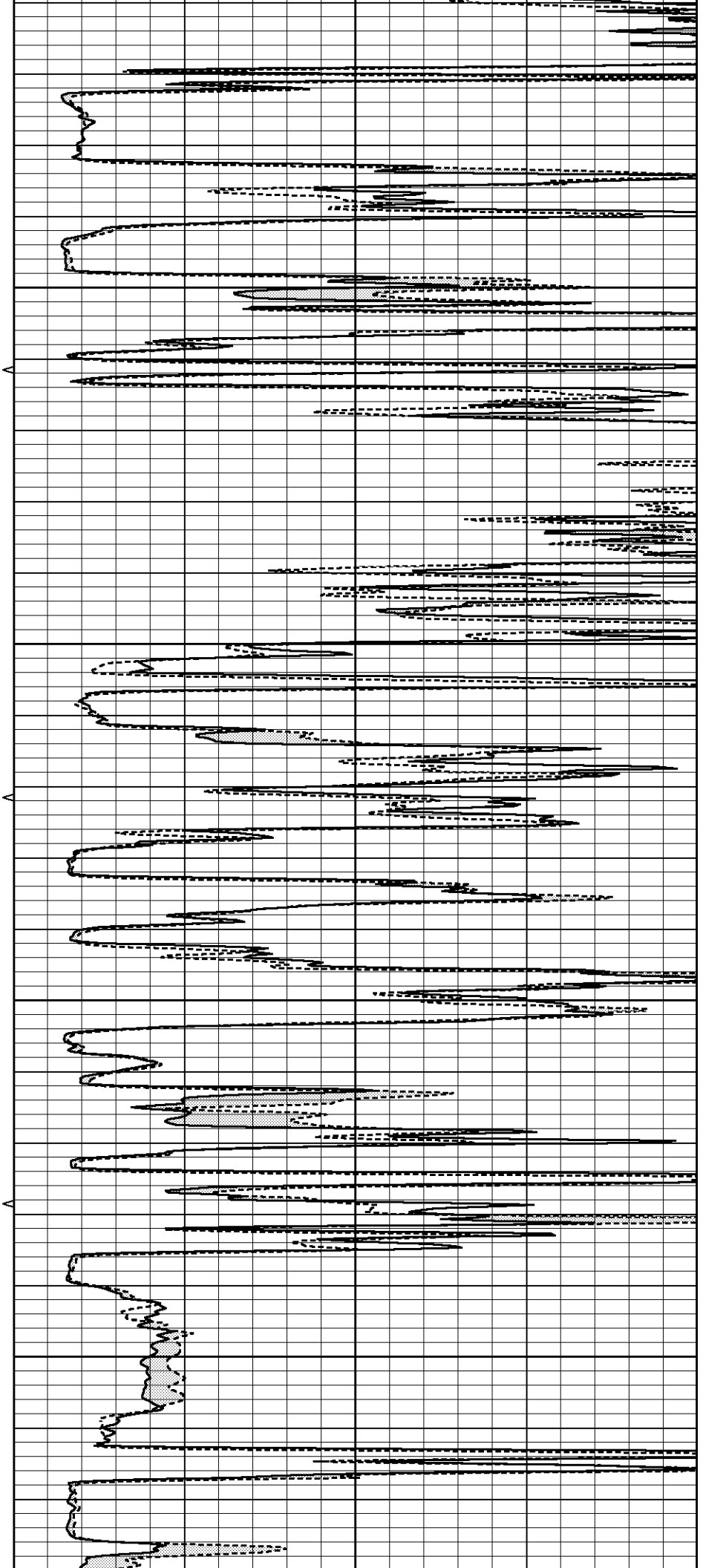


3400

3450

3500

3550



0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			

Database File		26441ddn8.db		Calibration Report	
Dataset Pathname		pass6.1.1			
Dataset Creation		Sat May 16 12:22:24 2015			

MICRO_USR Calibration Report	
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Serial Number:	070911
Tool Model:	ProbeL
Performed:	Thu Nov 20 18:56:37 2014

Caliper Calibration:	Gain=4.161	Offset=2.100
References	Low Cal	High Cal
Readings	8.000	14.000
	1.333	2.775

1.5" Calibration:	Gain=23.838	Offset=1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.843

2" Calibration:	Gain=40.000	Offset=0.650
References	Low Cal	High Cal
Readings	0.000	20.000
	0.021	0.810

Microlog Calibration Report	
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Serial-Model:	070911-ProbeL
Performed:	Sat Apr 11 01:13:01 2015

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-0.0051
Inverse	0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-0.0282
Caliper	0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000

Gamma Ray Calibration Report	
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Serial Number:	7	
Tool Model:	Probe1	
Performed:	Thu Jan 01 09:43:47 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5000	GAPI/cps