NABORS
COMPLETION & PRODUCTION SERVICES CO.

MICRO LOG

Company	MAI OIL OPERATIONS, INC.
Well	BARNGROVER #1
Field	TRAPP
County	BARTON
State	KANSAS

Company MAI OIL OPERATIONS, INC.
Well BARNGROVER #1
Field TRAPP
County BARTON State KANSAS
Location: API # : 15-009-25968-0000
2200' FSL & 725' FWL
SW NE NW SW
SEC 4 TWP 17S RGE 13W
Permanent Datum GROUND LEVEL Elevation 1893
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services: CDL/CNL, DIL

Elevation: K.B. 1901, D.F. 1899, G.L. 1893

Date	5/6/14		
Run Number	TWO		
Depth Driller	3423		
Depth Logger	3425		
Bottom Logged Interval	3423		
Top Log Interval	2900		
Casing Driller	8 5/8" @ 516		
Casing Logger	514		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 6000 PPM	
Density / Viscosity	9.4/68		
pH / Fluid Loss	9.0/8.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.60 @ 79F		
Rmf @ Meas. Temp	.45 @ 79F		
Rmc @ Meas. Temp	.72 @ 79F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.42 @ 111F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	111F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	WYATT URBAN		

<<< Fold Here >>>

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:
SUSANK, KS. - SOUTH 2 1/2 MILES ON BLKTOP - EAST INTO JUST PAST FARM HOUSE

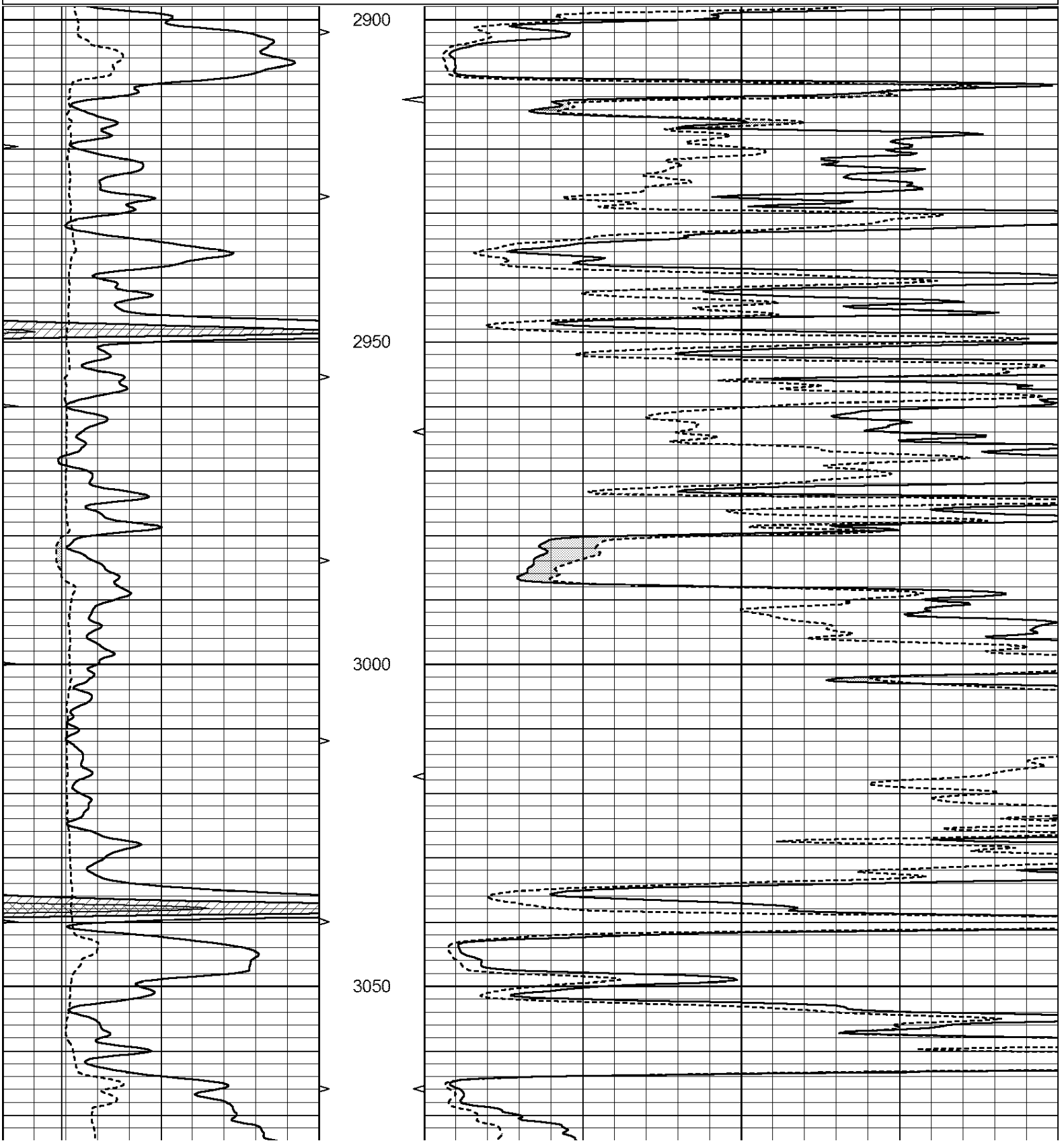
NABORS
COMPLETION & PRODUCTION

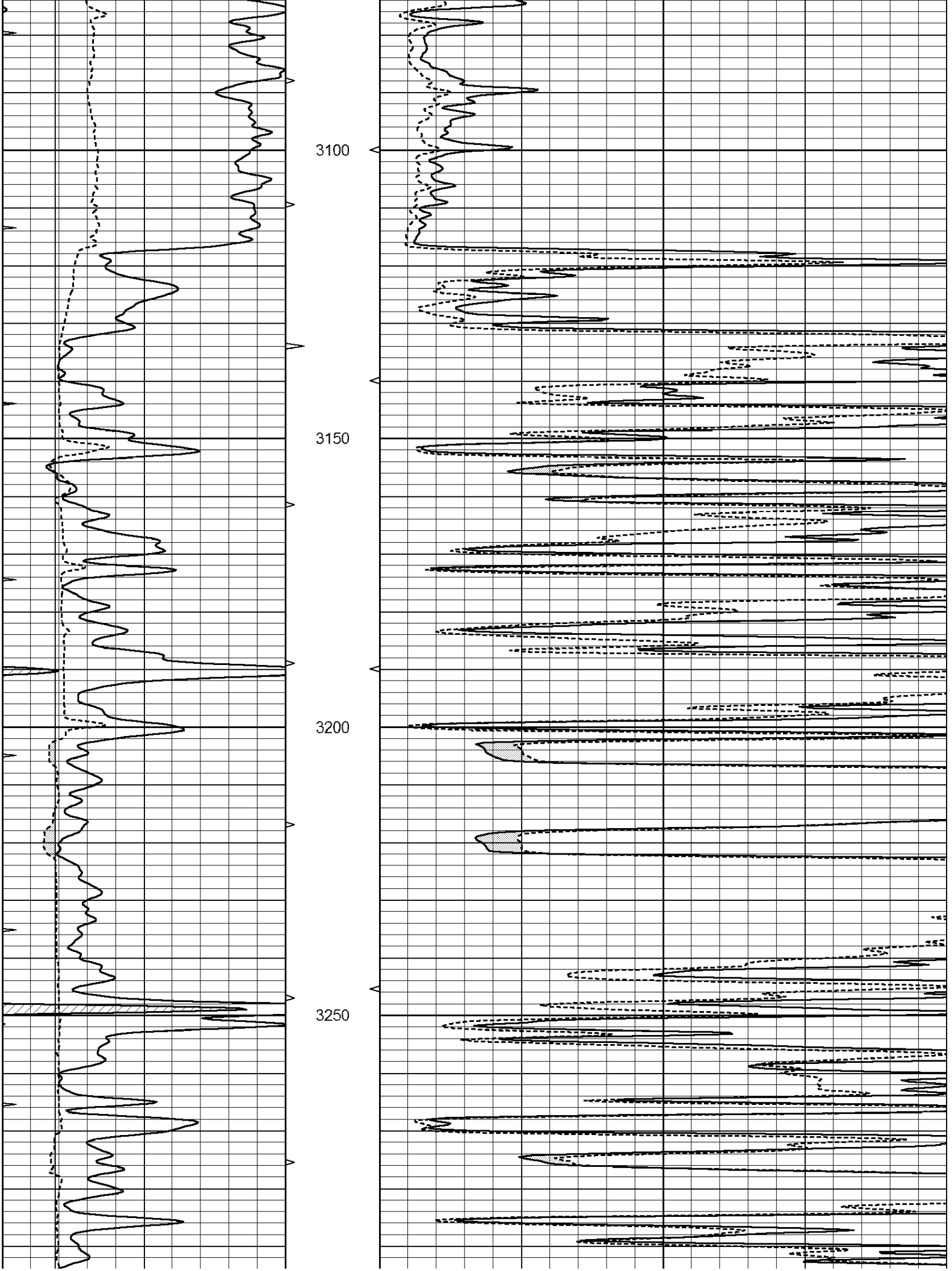
MAIN SECTION

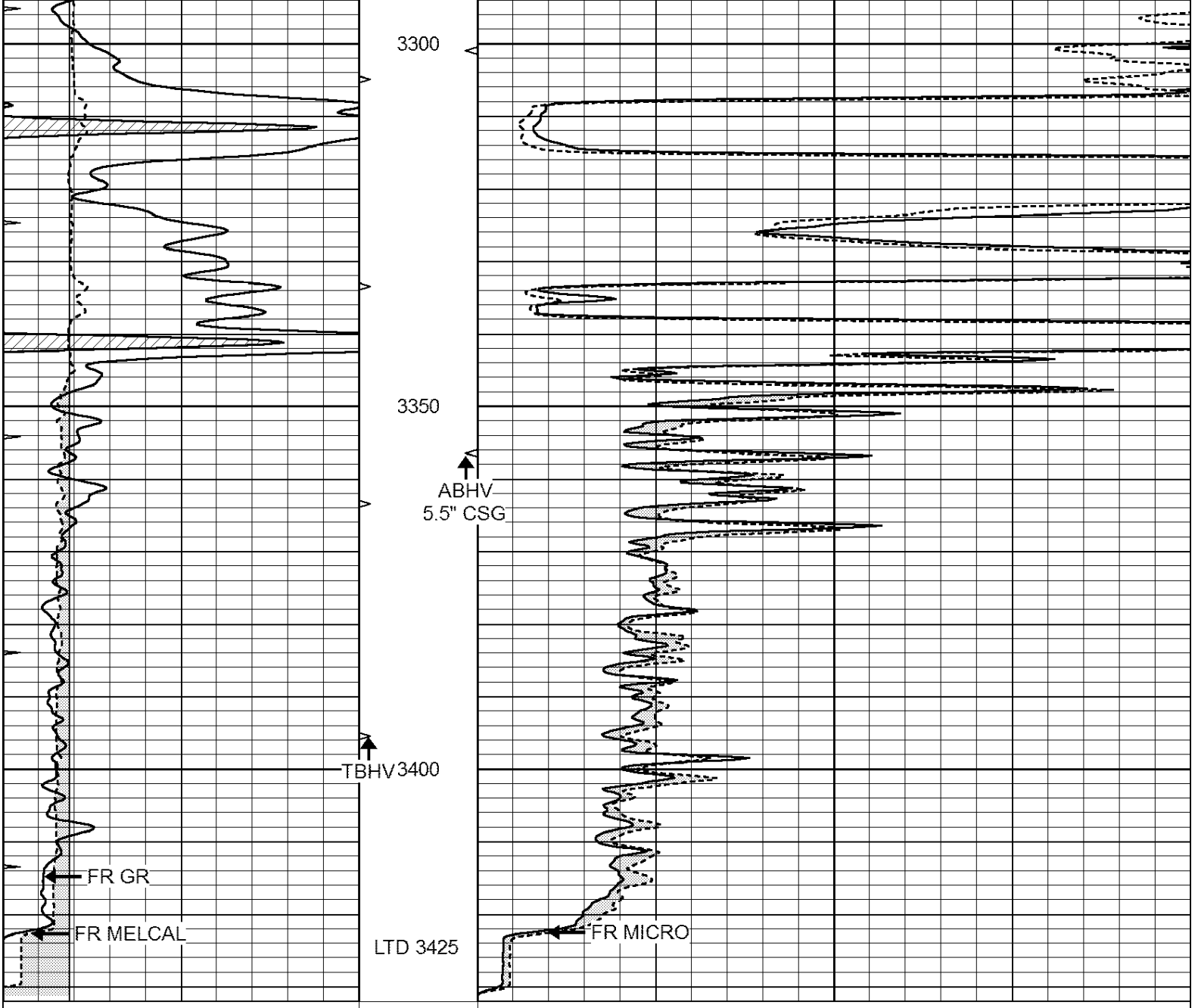
SERVICES CO.

Database File: 24239ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Tue May 06 08:41:39 2014 by Calc Open-Cased 090629
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		0	MEL2.0 (Ohm-m) 40
0	MINMK 20	TBHV			
		0 (ft3) 10			




3100
3150
3200
3250



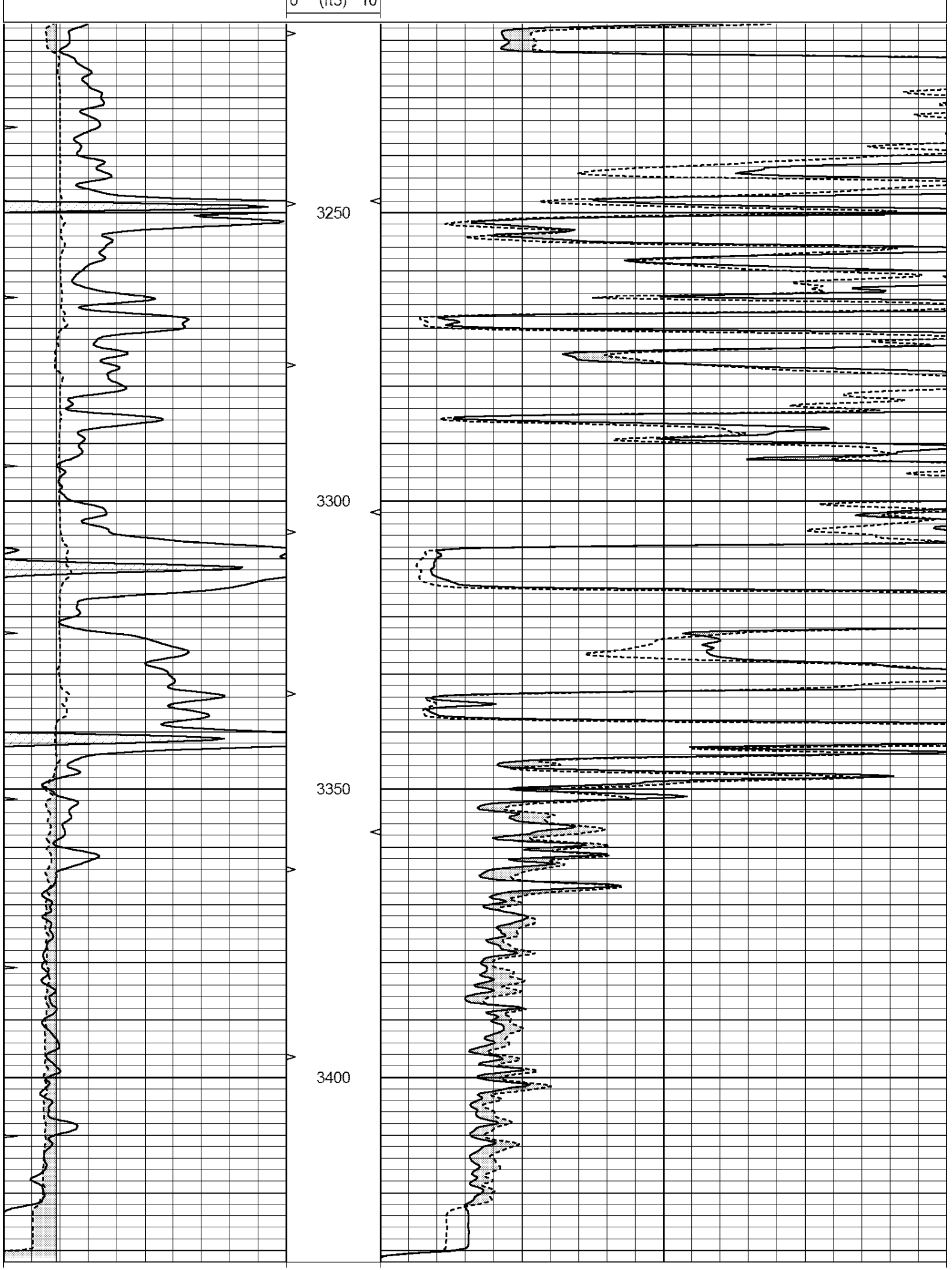
0	GAMMA RAY (GAPI) 150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in) 16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
0	MINMK 20	TBHV			
		0 (ft3) 10			

NABORS
COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

Database File: 24239ddn.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Tue May 06 08:38:37 2014 by Calc Open-Cased 090629
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	0	MEL2.0 (Ohm-m)	40
0	MINMK 20	TBHV			
		0 (ft3) 10			


0 (ft3) 10
3250
3300
3350
3400

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
0	MINMK	20	TBHV				
			0 (ft3)	10			

Calibration Report

Database File: 24239ddn.db
Dataset Pathname: pass5.1
Dataset Creation: Tue May 06 08:38:37 2014 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number: MICRO6
Tool Model: PROBE
Performed: Fri Mar 14 21:54:54 2014

Caliper Calibration: Gain=5.542 Offset=-0.820

	Low Cal	High Cal
References	8.000	14.000
Readings	1.431	2.513

1.5" Calibration: Gain=38.075 Offset=0.000

	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration: Gain=44.000 Offset=-0.600

	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number: GR6
Tool Model: OPEN
Performed: Tue May 06 06:07:07 2014

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 276.0 cps

Sensitivity: 0.8035 GAPI/cps