



**MICRO LOG**

Company	STAAB OIL COMPANY	Location:	765 <sup>th</sup> FNL & 975 <sup>th</sup> FML	API #:	15-163-24315-0000	Other Services	CDL/CNL DIL
Well	HAINES #1	County	ROOKS	State	KANSAS		
Field		County	ROOKS	State	KANSAS		
Date		Log Mashed From	KELLY BUSHING	Elevation	1937		
Run Number	3440	Log Mashed From	KELLY BUSHING	Elevation	1937		
Depth Driller	3440	Log Mashed From	KELLY BUSHING	Elevation	1937		
Bottom Logged Interval	3442	Log Mashed From	KELLY BUSHING	Elevation	1937		
Top Log Interval	2800	Log Mashed From	KELLY BUSHING	Elevation	1937		
Casing Driller	216	Log Mashed From	KELLY BUSHING	Elevation	1937		
Casing Logger	778	Log Mashed From	KELLY BUSHING	Elevation	1937		
Bit Size	7 7/8	Log Mashed From	KELLY BUSHING	Elevation	1937		
Type Fluid in Hole	CHEMICAL MUD	Log Mashed From	KELLY BUSHING	Elevation	1937		
Density / Viscosity	9.157	Log Mashed From	KELLY BUSHING	Elevation	1937		
pH / Fluid Loss	10.568	Log Mashed From	KELLY BUSHING	Elevation	1937		
Source of Sample	FLOWLINE	Log Mashed From	KELLY BUSHING	Elevation	1937		
Rm @ Meas. Temp	65 @ 88F	Log Mashed From	KELLY BUSHING	Elevation	1937		
Rmt @ Meas. Temp	48 @ 88F	Log Mashed From	KELLY BUSHING	Elevation	1937		
Source of Rmt / Rmc	MEASUREMENT	Log Mashed From	KELLY BUSHING	Elevation	1937		
Rm @ BHT	.50 @ 111F	Log Mashed From	KELLY BUSHING	Elevation	1937		
Time Circulation Stopped	21HOURS	Log Mashed From	KELLY BUSHING	Elevation	1937		
Time Logger on Bottom	6:45 A.M.	Log Mashed From	KELLY BUSHING	Elevation	1937		
Maximum Recorded Temperature	111F	Log Mashed From	KELLY BUSHING	Elevation	1937		
Equipment Number	3802	Log Mashed From	KELLY BUSHING	Elevation	1937		
Location	HAYS, KANSAS	Log Mashed From	KELLY BUSHING	Elevation	1937		
Recorded By	JASON CAPELLICCI	Log Mashed From	KELLY BUSHING	Elevation	1937		
Witnessed By	JANEL STAB	Log Mashed From	KELLY BUSHING	Elevation	1937		

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

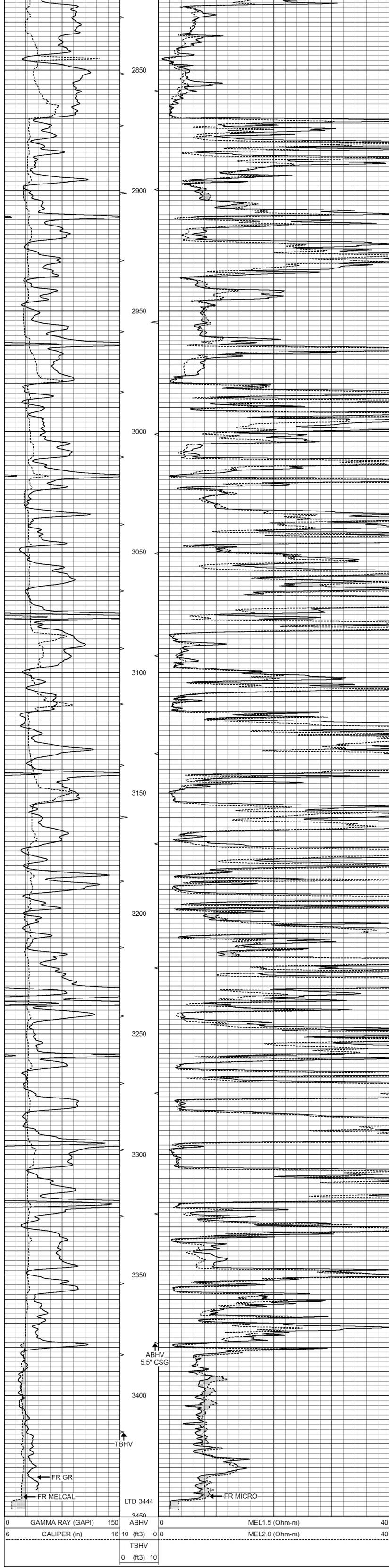
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. ( 785 ) 628-6395

DIRECTIONS

PLAINVILLE, KS. - AT STOP LIGHT GO NORTH TO N. TERRA RD. - 1 WEST TO FORK 1/2 SOUTH - 2 1/2 WEST - 3/4 NORTH - EAST INTO

## MAIN SECTION

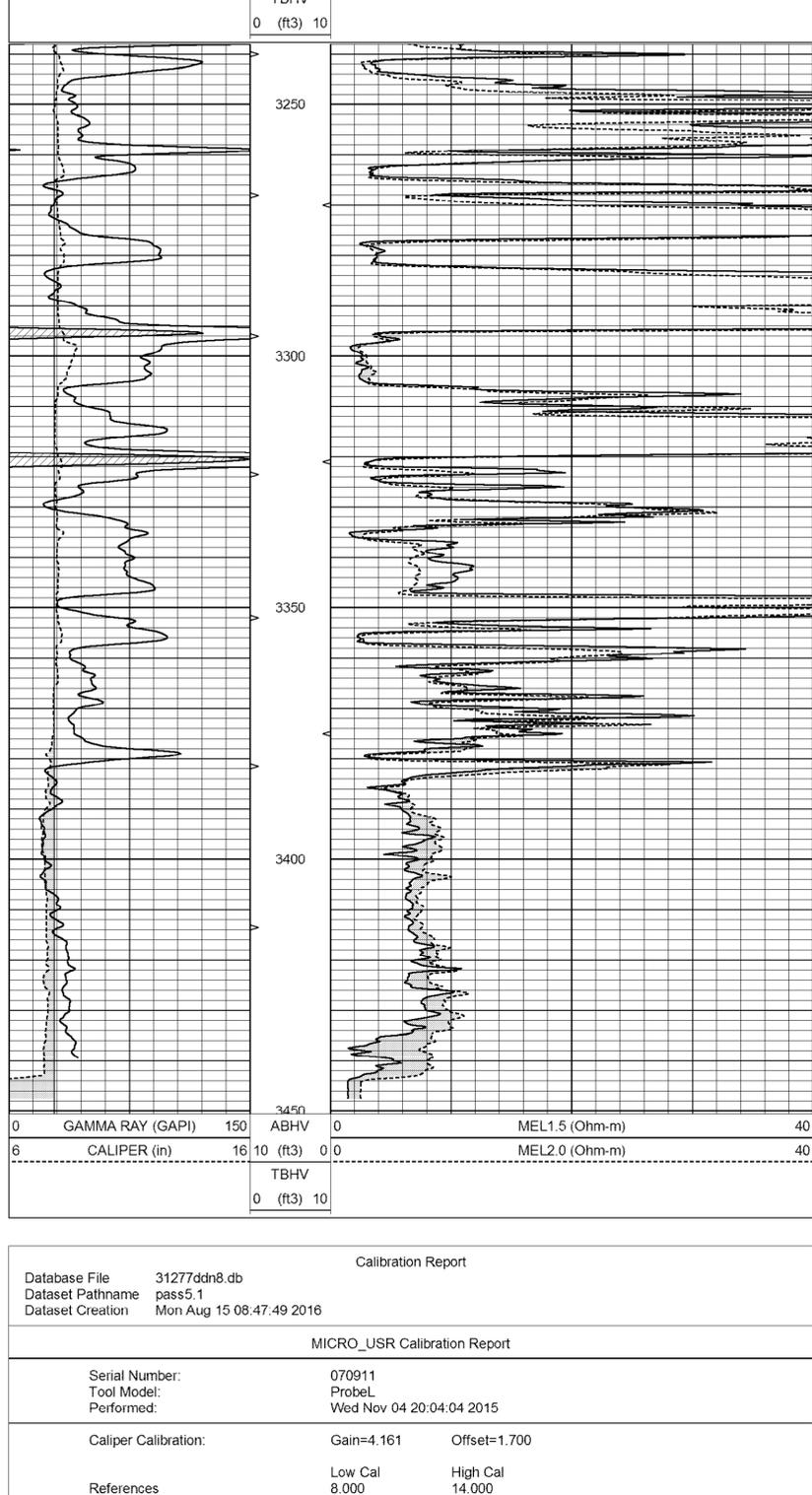
Database File	31277ddn8.db
Dataset Pathname	pass6.1
Presentation Format	_micro
Dataset Creation	Mon Aug 15 08:59:55 2016
Charted by	Depth in Feet scaled 1:240



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			

## REPEAT SECTION

Database File	31277ddn8.db
Dataset Pathname	pass5.1
Presentation Format	_micro
Dataset Creation	Mon Aug 15 08:47:49 2016
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			

### Calibration Report

Database File	31277ddn8.db
Dataset Pathname	pass5.1
Dataset Creation	Mon Aug 15 08:47:49 2016

#### MICRO\_USR Calibration Report

Serial Number:	070911
Tool Model:	ProbeL
Performed:	Wed Nov 04 20:04:04 2015

Caliper Calibration:	Gain=4.161	Offset=1.700
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References	Low Cal	High Cal
Readings	8.000	14.000
	1.333	2.775

1.5" Calibration:	Gain=37.000	Offset=0.000
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References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.843

2" Calibration:	Gain=35.000	Offset=0.650
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References	Low Cal	High Cal
Readings	0.000	20.000
	0.021	0.810

#### Microlog Calibration Report

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

Serial Number:	7
Tool Model:	Probe1
Performed:	Wed Jun 29 11:10:58 2016

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity:	0.4300	GAPI/cps
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