



MICRO RESISTIVITY LOG

Company Ressler Well Service, Inc.

Well McLeod #10-1

Field Spivey-Grabs-Basil

County Kingman

State KS

Location:

API #: 15 095 22300

2975' FSL & 2120' FEL

SEC 10 TWP 30S RGE 8W

Permanent Datum Ground Level Elevation 1501'
Log Measured From KB 10' AGL
Drilling Measured From KB

Other Services
DIL
CDNL

Elevation
K.B. 1511'
D.F. 1510'
G.L. 1501'

Date 10-10-15

Run Number Two

Depth Driller 4280'

Depth Logger 4282'

Bottom Logged Interval 4280'

Top Log Interval 4000'

Casing Driller 220'

Casing Logger 220'

Bit Size 7 7/8"

Type Fluid in Hole Chemical Mud

Density / Viscosity 9.5/4.4

pH / Fluid Loss 10/11.2

Source of Sample Pit

Rm @ Meas. Temp 1.4@62degf

Rmf @ Meas. Temp 1.05@62degf

Rmc @ Meas. Temp 1.68@62degf

Source of Rmf / Rmc Calculated

Rm @ BHT .72@120degf

Time Circulation Stopped 6:45 a.m.

Time Logger on Bottom 10:00 a.m.

Maximum Recorded Temperature 120 degf

Equipment Number T127

Location Hays, KS.

Recorded By Gus Pfannenstiel

Witnessed By Mr. Terry McLeod

Comments

Thank you for using Gemini Wireline
785-625-1182

Zenda East 6 Miles, North 1 mile,
West 1/3 mile, South into after bridge.

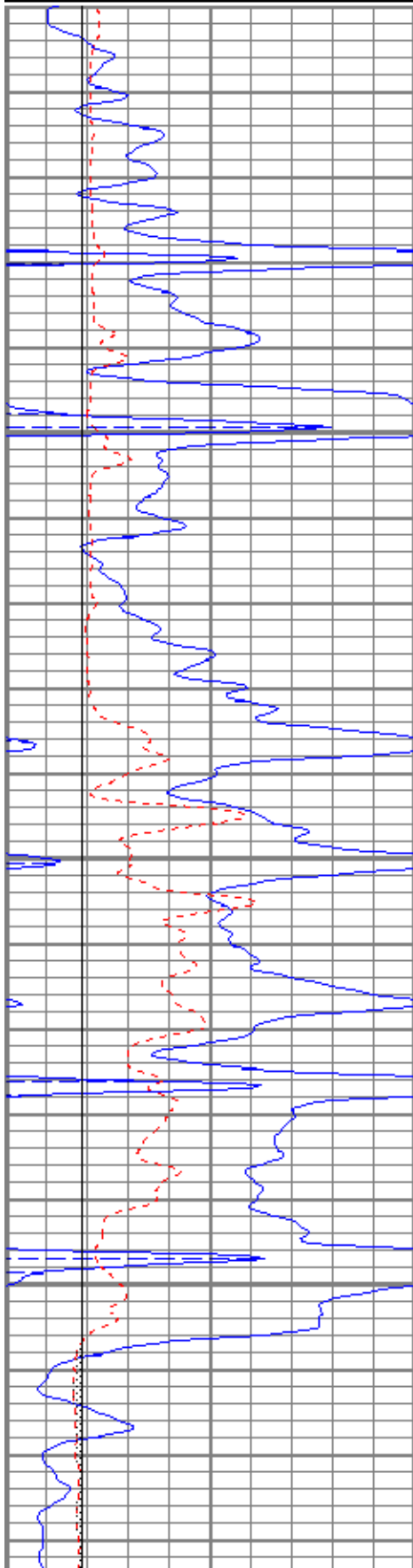


Main Pass

Database File rwmcleod#10-10h.db
Dataset Pathname pass4
Presentation Format kml
Dataset Creation Sat Oct 10 10:08:34 2015
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	20
0	MI 1" (Ohm-m)	20
10000	LTEN (lb)	0

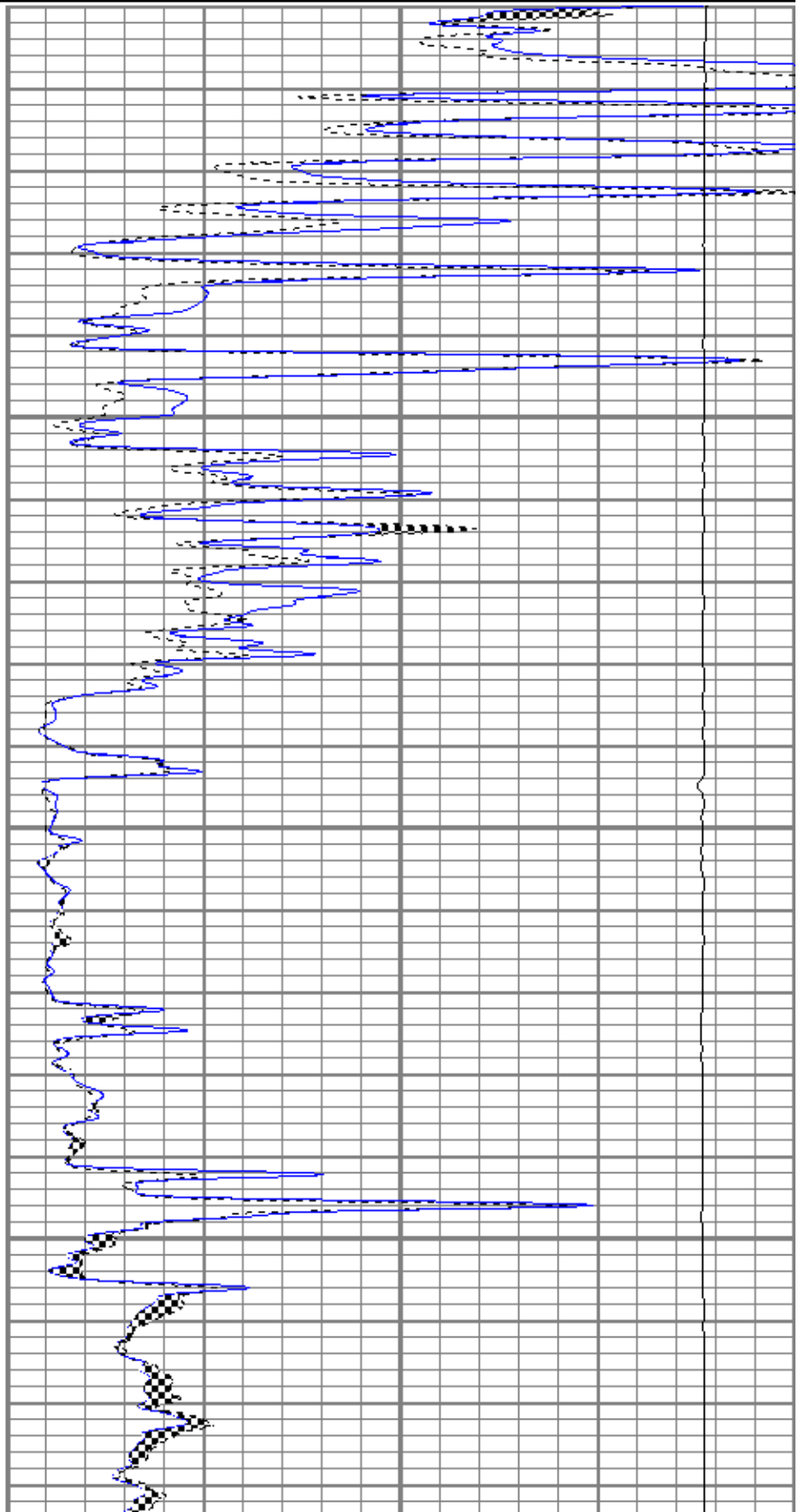


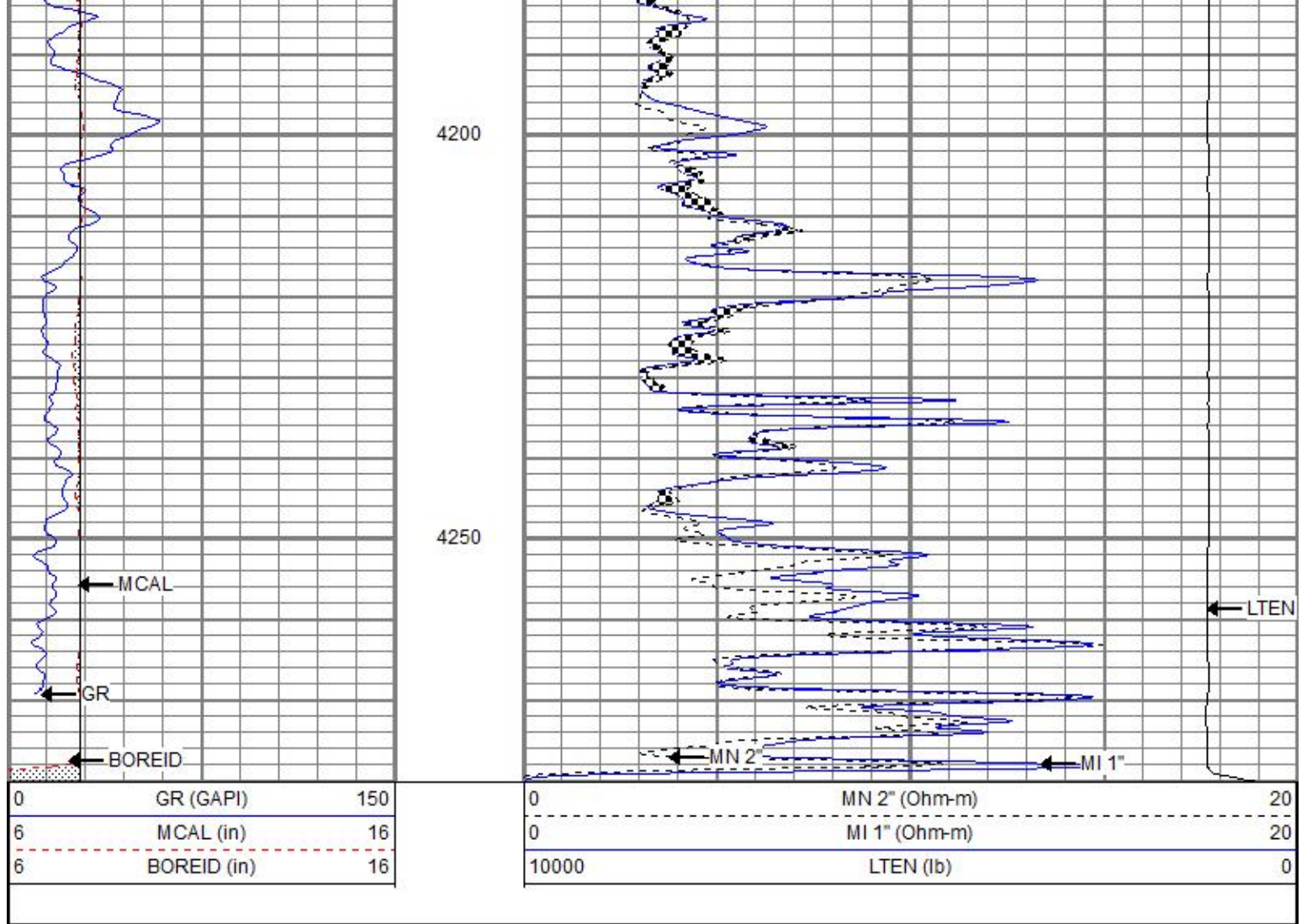
4000

4050

4100

4150

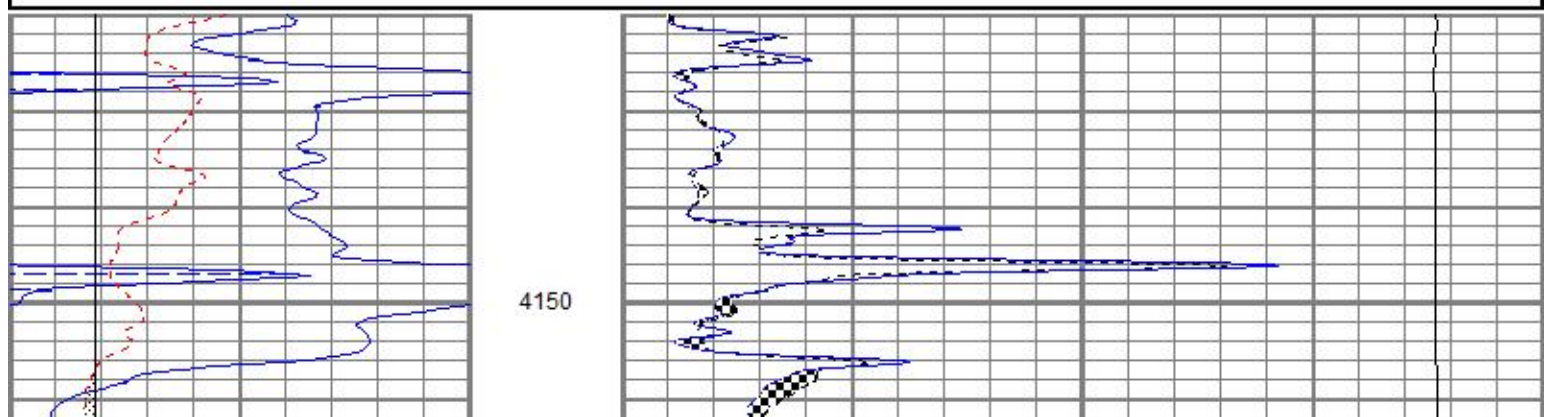


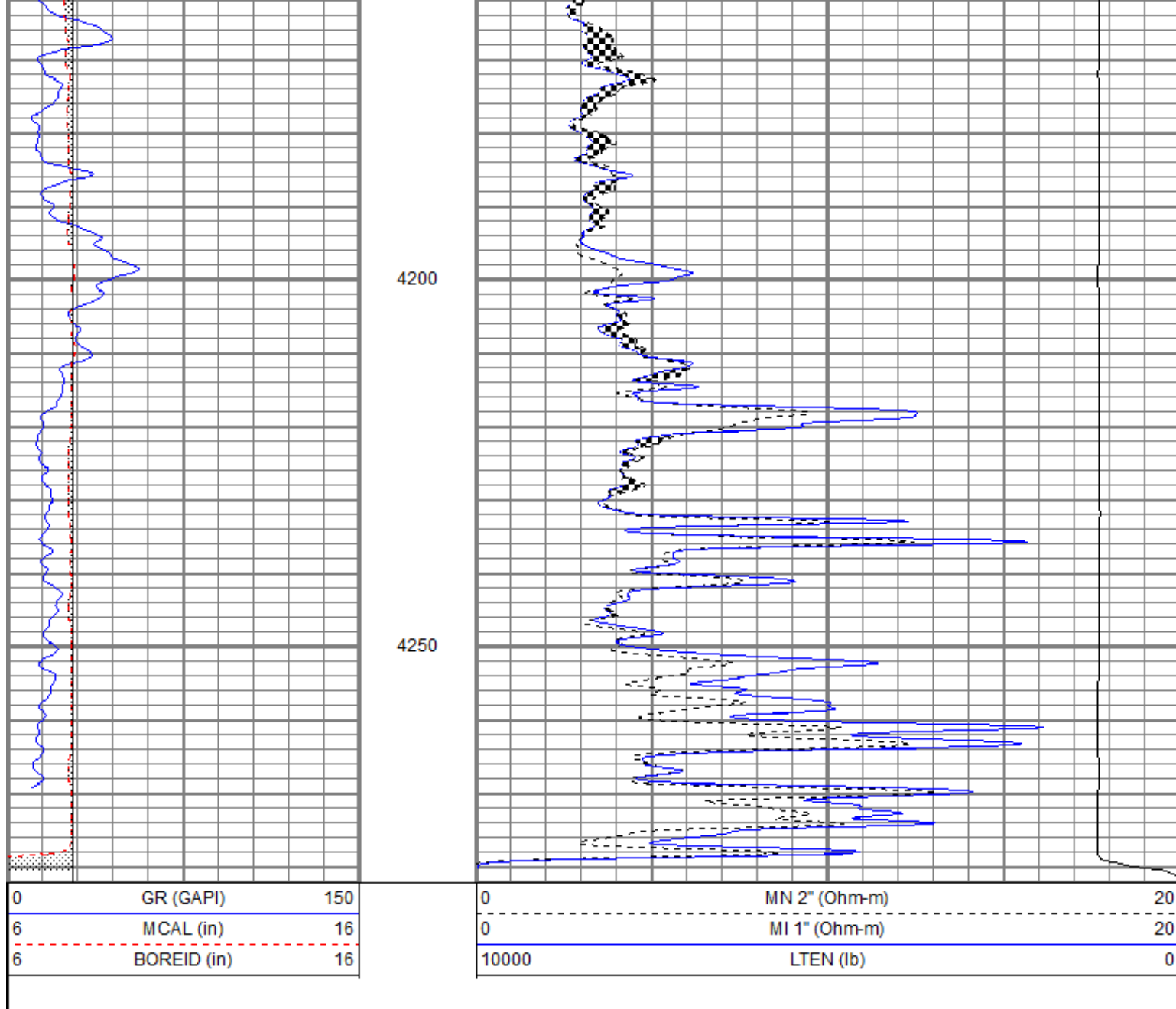


Repeat Pass

Database File rwmcleod#10-1oh.db
 Dataset Pathname pass3
 Presentation Format kml
 Dataset Creation Sat Oct 10 10:02:49 2015
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	0	MN 2" (Ohm-m)	20
6	MCAL (in)	16	0	MI 1" (Ohm-m)	20
6	BOREID (in)	16	10000	LTEN (lb)	0





Calibration Report								
Database File	rwmcleod#10-1oh.db							
Dataset Pathname	pass3							
Dataset Creation	Sat Oct 10 10:02:49 2015							
Microlog Calibration Report								
Serial-Model:			1600-Pengo					
Performed:			Wed Sep 16 01:24:08 2015					
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0100	0.5925	V	0.0000	10.0000	Ohm-m	17.1680	-0.1717
Inverse	-0.0033	0.7710	V	0.0000	9.4000	Ohm-m	12.1400	0.0405
Caliper	1.0301	2.2816	V	7.5500	13.0000	in	4.3550	3.0638
Gamma Ray Calibration Report								
Serial Number:			2000					
Tool Model:			P2000					
Performed:			Sat Aug 08 00:34:38 2015					
Calibrator Value:			1.0 GAPI					

Calibrator Value:	1.0	cps
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
GR	0.30		GR-P2000 (2000)	3.67	3.25	40.00	
MCAL	1.30		ML-Pengo (1600)	6.97	3.50	100.00	
MI	1.30						
MN	1.30						
Dataset: rwmcleod#10-1oh.db: field/well/run1/pass3 Total length: 10.63 ft Total weight: 140.00 lb O.D.: 3.50 in							