Company	Florida Design Drilling
Well	F-1
Field	Miramar
County	Broward
State/Prv	Florida

MV Geophysical

Company: Florida Design Drilling Corp.
Well: F-1
Field: Miramar
County: Broward
State/Prv: Florida

DUAL INDUCTION
LL3, SP
LOG

Permanent Datum: Ground Level
Log Measured From: 0.00 ft
Elevation: 0.00 ft
Location: City of Miramar Water Treatment Plant
Macom Power, Inc.
Elevation: 5.00 ft
G.L. 0.00
K.B. 0.00
Date Service: 03-28-07
Date Run: 03-28-07
Run Number: ONE
Depth Driller: 0.00
Depth Logger: 0.00
Bottom Log Interval: 0.00
Top Log Interval: 0.00
Casing Driller Size: 0.00 @ 0.00
Casing Logger Size: 0.00 @ 0.00
Bit Size: 0.00
Type Fluid: Water
Density: 0.00
Viscosity: 0.00
Fluid Loss: 0.00
Source of Sample: Pit
Rm @ Meas. Temp: 0.00 @ 0.00
Rmf @ Meas. Temp: 0.00 @ 0.00
Rmc @ Meas. Temp: 0.00 @ 0.00
Source of Rmf & Rmc: Mud
Rm @ BHT: 0.00
Time Since Circ.: 0.00
Max. Rec. Temp.: 0.00
Equip. Location: 0000
Recorded By: J.Ortiz
Witnessed By: Mr. Bell

Run	Bit Size	Depth Driller	Depth Logger	Top Log Int.	Casing Driller	Casing Logger	Bit Type	Type Fluid	Density	Viscosity	Max. Rec. Temp.	Equip. Location	Recorded By	Witnessed By
ONE	0.00	0.00	0.00	0.00	0.00 @ 0.00	0.00 @ 0.00		Water	0.00	0.00	0.00	0000	J.Ortiz	Mr. Bell

*** FIRST READING ***

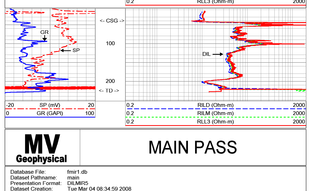
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Rm=7.545 ohm-m @ 81.1 degF

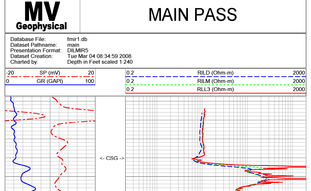
MAIN PASS

Database File: fmsr1.db
Dataset Pathname: main
Presentation Format: DILMAIN
Dataset Creation: Tue Mar 04 08:34:59 2008
Charted by: Depth in Feet scaled 1:1000



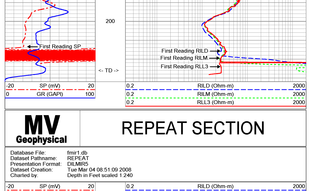
MAIN PASS

Database File: fmsr1.db
Dataset Pathname: main
Presentation Format: DILMAIN
Dataset Creation: Tue Mar 04 08:34:59 2008
Charted by: Depth in Feet scaled 1:600



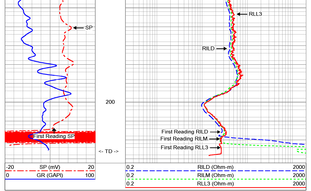
MAIN PASS

Database File: fmsr1.db
Dataset Pathname: main
Presentation Format: DILMAIN
Dataset Creation: Tue Mar 04 08:34:59 2008
Charted by: Depth in Feet scaled 1:240



REPEAT SECTION

Database File: fmsr1.db
Dataset Pathname: main
Presentation Format: DILMAIN
Dataset Creation: Tue Mar 04 08:51:09 2008
Charted by: Depth in Feet scaled 1:240



Dual Induction Calibration Report

Serial-Model: 5300-R
Surface Cal Performed: Thu Nov 15 11:21:40 2007
Downhole Cal Performed: Wed Mar 15 11:08:57 2006
After Survey Verification Performed: Thu Nov 15 11:21:50 2007

Surface Calibration

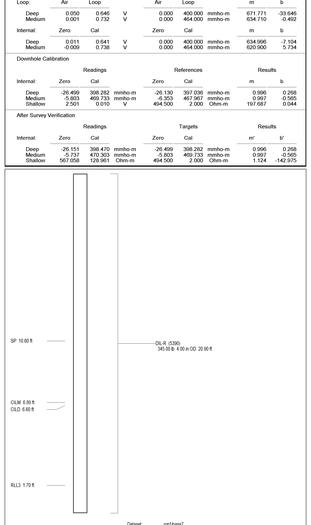
	Readings			References			Results	
Loop	Air	Loop		Air	Loop		m	b
Deep	0.050	0.646	V	0.000	400.000	mmho-m	617.171	-33.646
Medium	0.001	0.732	V	0.000	464.000	mmho-m	634.710	-0.492
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.095	-7.104
Medium	-0.009	0.738	V	0.000	464.000	mmho-m	620.900	5.734

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-26.499	366.282	mmho-m	-26.130	397.036	mmho-m	0.996	0.268
Medium	-5.803	469.733	mmho-m	-6.353	467.067	mmho-m	0.997	-0.505
Shallow	2.501	0.010	V	404.500	2.000	Ohm-m	197.687	0.044

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	-26.151	366.470	mmho-m	-26.499	398.282	mmho-m	0.996	0.268
Medium	-5.731	470.303	mmho-m	-5.803	469.733	mmho-m	0.997	-0.505
Shallow	567.958	129.963	Ohm-m	404.500	2.000	Ohm-m	1.124	-142.975



Dataset: run1pass7
Total Length: 20.00 ft
Total Weight: 345.00 lb
O.D. 4.00 in