Company: Johnson Engineering, Inc.
Well: JE1503
Field: Babcock Ranch
County: Charlotte
State/Pv: Florida

Company: Johnson Engineering, Inc.
Well: JE1503
Field: Babcock Ranch
County: Charlotte
State/Pv: Florida

Contractor: CCI/Blackwell Ranch Test Well Project
Date: 26 Sep 2011 Time: 10:45:00 AM
Lat: 26°58' 29.6" N Long: 81°47' 28.7" W

DUAL INDUCTION LL3 / SP LOG

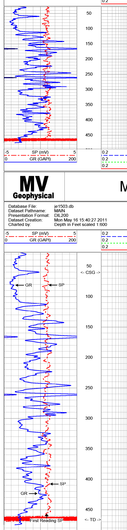
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments

Rm=5.254 ohm-m @ 75.0 degF

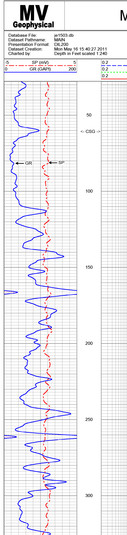
MAIN PASS

Database File: je1503.db
Dataset Pathname: MAIN
Presentation Format: DIL100
Dataset Creation: Mon May 16 15:40:22 2011
Charted by: Depth in Feet scaled 1:1200



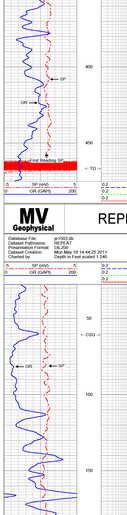
MAIN PASS

Database File: je1503.db
Dataset Pathname: MAIN
Presentation Format: DIL200
Dataset Creation: Mon May 16 15:40:22 2011
Charted by: Depth in Feet scaled 1:600



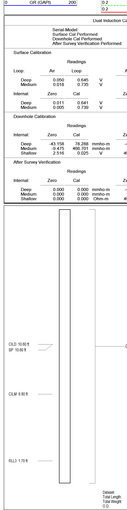
MAIN PASS

Database File: je1503.db
Dataset Pathname: MAIN
Presentation Format: DIL200
Dataset Creation: Mon May 16 15:40:22 2011
Charted by: Depth in Feet scaled 1:240



REPEAT SECTION

Database File: je1503.db
Dataset Pathname: REPEAT
Presentation Format: DIL200
Dataset Creation: Mon May 16 14:44:25 2011
Charted by: Depth in Feet scaled 1:240



Dual Induction Calibration Import

Serial Model:	1500-R
Surface Cal Performed:	Wed Apr 21 11:17:23 2010
Downhole Cal Performed:	Wed Apr 21 11:04:10 2010
After Survey Verification Performed:	Wed Apr 21 11:04:50 2010

Surface Calibration

	Readings			Reference			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.645	V	0.000	400.000	mmho-m	672.260	-33.613
Medium	0.018	0.735	V	0.000	464.000	mmho-m	647.120	-11.545
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.321	-6.964
Medium	0.005	0.730	V	0.000	464.000	mmho-m	632.408	-3.510

Downhole Calibration

	Readings			Reference			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-43.158	78.286	mmho-m	-42.562	77.982	mmho-m	0.983	0.275
Medium	-9.475	466.701	mmho-m	-9.051	466.006	mmho-m	0.997	1.351
Shallow	2.516	0.025	V	494.500	2.000	Ohm-m	197.710	-2.966

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho-m	-43.158	78.286	mmho-m	0.983	0.275
Medium	0.000	0.000	mmho-m	-9.475	466.701	mmho-m	0.997	1.351
Shallow	0.000	0.000	Ohm-m	494.500	2.000	Ohm-m	1.000	0.000

CLS 10.6 ft
SP 10.6 ft

CLM 6.00 ft

RLL3 1.70 ft

OLA (OB)
34.5 ft & 1.00 in OD 35.0 ft

Dataset: tar1sfe5
Total Length: 35.0 ft
Total Weight: 34.0 lb
OD: 4.50 in