Company PALM BEACH COUNTY
Well DZMU #1
Field LAKE REGION
County PALM BEACH
State FLORIDA

YOUNGQUIST BROTHERS, Inc.
GEOPHYSICAL LOGGING SYSTEMS

Company PALM BEACH COUNTY WATER UTIL
Well PALM BEACH
Field LAKE REGION
County PALM BEACH
State FLORIDA
Location
API Serial No.
Other Services
Permanent Datum: GL Elev.: 0.00 ft
Log Measured From: KB 0.00 ft above Perm. Datum
Drilling Measured From: KB
Elevation: KB 0.00 ft, DF, GL

6.625" FRP CEMENT BOND VARIABLE DENSITY LOG

Run No. ONE
Depth Driller 3000
Depth Logger 3000
Bottom Logged Interval 3000
Top Logged Interval 0
Casing Driller 6.625 @ 0.00
Casing Logger 6.625 @ 0.00
Bit Size 5.875
Type Fluid in Hole WATER
Density / Viscosity 8.3 / 0
pH / Fluid Loss 0 / 0
Source of Sample
Rm @ Measured Temp
Rmf @ Measured Temp
Rmc @ Measured Temp
Source of Rmf / Rmc
Rm @ BHT
Time Since Circulation
Time Since Circ.
Max Rec. Temp. Deg. F
Equipment Number
Location
Recorded By
Witnessed By

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

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING SYSTEMS

BEFORE CEMENTING

Database File: bvtterne1.db
Dataset Pathname: run5/ubfcbl
Presentation Format: CBL3FT
Dataset Creation: Tue Jun 27 09:09:35 2006
Charted by: Depth in Feet scaled 1:240

600 Travel Time 3 Ft (usec) 200
0 Amplified Amplitude x 10 (mV) 10 200 Variable Density 1200
0 Amplitude 3 Ft (mV) 100

1700
1750
1800
1850
1900
1950
2000
2050

600 Travel Time 3 Ft (usec) 200
0 Amplified Amplitude x 10 (mV) 10 200 Variable Density 1200
0 Amplitude 3 Ft (mV) 100

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING SYSTEMS

AFTER CEMENTING

Database File: bvtterne1.db
Dataset Pathname: run6/FRPCBLA2
Presentation Format: CBL3FT
Dataset Creation: Mon Jul 03 14:53:00 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

600 Travel Time 3 Ft (usec) 200
0 Amplified Amplitude x 10 (mV) 10 200 Variable Density 1200
0 Amplitude 3 Ft (mV) 100

1700
1750
1800
1850
1900
1950
2000
2050

600 Travel Time 3 Ft (usec) 200
0 Amplified Amplitude x 10 (mV) 10 200 Variable Density 1200
0 Amplitude 3 Ft (mV) 100

Segmented Cement Bond Log Calibration Report

Serial Number: 0001
Tool Model: A

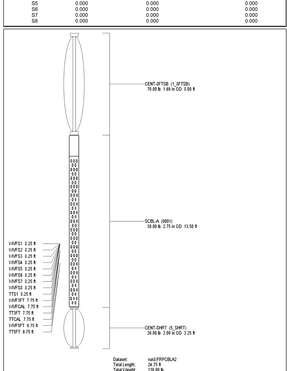
Calibration Casing Diameter: 6.625 in
Calibration Depth: 1730.858 ft

Master Calibration, performed Mon Jul 03 14:47:52 2006:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.006	0.257	1.000	64.269	240.220	2.478
CAL	2.961	2.021				
5'	-0.009	0.250	1.000	64.269	244.181	3.319
SUM						
S1	-0.024	1.204	0.000	100.000	81.436	1.979
S2	0.183	1.668	0.000	100.000	67.310	+2.299
S3	-0.066	1.209	0.000	100.000	78.419	5.186
S4	-0.044	0.721	0.000	100.000	130.746	5.720
S5	-0.035	0.544	0.000	100.000	172.856	5.967
S6	-0.035	0.544	0.000	100.000	172.856	5.967
S7	-0.033	0.290	0.000	100.000	309.670	10.222
S8	-0.058	0.521	0.000	100.000	226.036	13.184

Internal Reference Calibration, performed Thu Jan 01 00:00:00 1970:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	2.961	2.021	1.000	0.000

Air Zero Calibration, performed Wed Jan 18 14:45:51 2006:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000