Company: FLORIDA POWER & LIGHT
Well: PWA 1
Field: INDIAN COUNTY ENERGY CENTER
State: PALM BEACH
County: FL
Location:
API #:
Other Services:
Permanent Datum: GROUND LEVEL
Elevation: 0 ft above Permanent Datum
Log Measured From: KELLY BUSHING
Drilling Measured From: KELLY BUSHING
Elevation: K.B. 0 ft, D.F. 0 ft, G.L. 0 ft
Date: 10-Oct-07
Run Number: ONE
Depth Driller: 1700 ft
Depth Logger: 1700 ft
Bottom Logged Interval: 1700 ft
Top Logged Interval: 0 ft
Casing Driller Size @ Depth: 0 in @ 0 ft
Casing Logger Size @ Depth: 0 in @ 0 ft
Bit Size: 0 in
Type Fluid in Hole: WATER BASED MUD
Density: 0 lb/gal
Viscosity: 0 s/qt
PH: 0
Fluid Loss: 0 ml
Source of Sample: FLOWLINE
Rm @ Measured Temp: 0 ohmm @ 0 °F
Rmf @ Measured Temp: 0 ohmm @ 0 °F
Rmc @ Measured Temp: 0 ohmm @ 0 °F
Source of Rmf and Rmc: MEASURED
Rm @ BHT: 0 ohmm @ 0 °F
Time Circulation Stopped: 0
Time Logger on Bottom: 0
Maximum Recorded Temperature: 0 °F
Equipment Number: 0
Location: 0
Recorded By: J. CALHOUN
Witnessed By: J. CENTER

YOUNGQUIST BROTHERS, Inc.
X-CALIPER GAMMA RAY CO

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:

BOREHOLE VOLUME IN BARRELS

YOUNGQUIST BROTHERS, Inc.

MAIN PASS

Database File: fpllpw 1.db
Dataset Pathname: run3/pass1
Presentation Format: GR/CAL
Dataset Creation: Mon Sep 10 09:32:07 2007 by Log 6.0_64
Charted by: Depth in Feet scaled 1:600

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

Gamma Ray | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700

Bit Size | X-Caliper | Y-Caliper

TSHV | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100

Gamma Ray | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

YOUNGQUIST BROTHERS, Inc.

MAIN PASS

Database File: fpllpw 1.db
Dataset Pathname: run3/pass1
Presentation Format: GR/CAL
Dataset Creation: Mon Sep 10 09:32:07 2007 by Log 6.0_64
Charted by: Depth in Feet scaled 1:600

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

Gamma Ray | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700

Bit Size | X-Caliper | Y-Caliper

TSHV | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100

Gamma Ray | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

YOUNGQUIST BROTHERS, Inc.

MAIN PASS

Database File: fpllpw 1.db
Dataset Pathname: run3/pass2
Presentation Format: GR/CAL
Dataset Creation: Mon Sep 10 09:32:07 2007 by Log 6.0_64
Charted by: Depth in Feet scaled 1:600

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

Gamma Ray | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700

Bit Size | X-Caliper | Y-Caliper

TSHV | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100

Gamma Ray | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

YOUNGQUIST BROTHERS, Inc.

REPEAT PASS

Database File: fpllpw 1.db
Dataset Pathname: run3/pass3
Presentation Format: GR/CAL
Dataset Creation: Mon Sep 10 09:21:15 2007 by Log 6.0_64
Charted by: Depth in Feet scaled 1:600

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

Gamma Ray | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700

Bit Size | X-Caliper | Y-Caliper

TSHV | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100

Gamma Ray | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20

GAMMA RAY (GAPI) 100 | X-CALIPER (in) 10 | 15 | 20 | BIT SIZE (in) 10 | 15 | 20

BIT 7 5/8 ft

GR BEFORE CAL
HOW R 1.00 in SD 2.79 ft

HOW R 1.00 in SD 3.44 ft

TOTAL 128 ft
TOTAL 128 ft

Dataset: fpllpw3
Total Height: 127.99 ft
Total Height: 127.99 ft
Z: 0

XY Caliper Calibration Report

Serial Number/Model: 0
Performed: 03:56:49 10 OCT 08 10:56:49 17 08 2007

Ring	X Caliper	Y Caliper
1	4.81 in	427.826 cps	398.8 cps
2	12.1 in	1.1e+03 cps	1.1e+03 cps
3	19.25 in	1745 cps	1670 cps
4	in	1119.52 cps	962.983 cps
5	in	cps	cps
6	in	cps	cps

Gamma Ray Calibration Report

Serial Number:	18
Tool Model:	GR/CH
Performed:	Tue Feb 27 13:17:01 2007
Calibrator Value:	120 GAPI
Background Reading:	45.4454 cps
Calibrator Reading:	1.1e+03 cps
Sensitivity:	0.154437 GAPI/cps