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

YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

Company PALM BEACH COUNTY WATER UTIL
Well DEEP INJECTION WELL #1
Field LAKE REGION
County PALM BEACH
State FLORIDA
Location
Permanent Datum
Log Measured From
Drilling Measured From

Elevation
K.B.
D.F.
G.L.

Other Services
COMMENTS

X-Y CALIPER
GAMMA RAY
LOG

Run No.
Date
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density
Viscosity
pH
Fluid Loss
Source of Sample
Rm @ Meas. Temp.
Rmf @ Meas. Temp.
Rmc @ Meas. Temp.
Source of Rmf
Source of Rmc
Rm @ BHT
Time Since Circulation
Time Since Circulation
Max. Rec. Temp. Deg. F
Equipment Number
Location
Recorded By
Witnessed By

RUN
TIME
DATE
DEPTH-DRILLER
DEPTH-LOGGER
BTM. LOG INTERVAL
TOP LOG INTERVAL
CASING-DRILLER
CASING-LOGGER
BIT SIZE
TYPE FLUID IN HOLE
DENSITY
VISCOSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE OF RMF
SOURCE OF RMC
RM @ BHT
TIME SINCE CIRC.
TIME SINCE CIRC.
MAX. REC. TEMP. DEG. F
EQUIPMENT NUMBER
LOCATION
RECORDED BY
WITNESSED BY

Bottom
Top
Bottom
Top
Bottom
Top
Bottom
Top
Bottom
Top

Fold Here

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

ABHV COMPUTED WITH 48° CASING.
(BBLS)

MAIN PASS

Database File: beliew1.db
Dataset Pathname: XYC
Presentation Format: GRXY-AHV
Dataset Creation: Fri Feb 03 18:07:52 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:1200

Gamma Ray (GAPI) 0 100
Y-Caliper (in) 50 70
X-Caliper (in) 50 70
Bit Size (in) 50 70
Gamma Ray 251 222 189 159 130 101 73 45 17
ABHV (BBL) 0 50 100 150
Bit Size 638 564 487 412 338 264 191 118 46
X-Caliper
Y-Caliper
TBHV (BBL)

MAIN PASS

Database File: beliew1.db
Dataset Pathname: XYC
Presentation Format: GRXY-AHV
Dataset Creation: Fri Feb 03 18:07:52 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:600

Gamma Ray (GAPI) 0 100
Y-Caliper (in) 50 70
X-Caliper (in) 50 70
Bit Size (in) 50 70
Gamma Ray 251 222 189 159 130 101 73 45 17
ABHV (BBL) 0 50 100 150
Bit Size 638 564 487 412 338 264 191 118 46
X-Caliper
Y-Caliper
TBHV (BBL)

MAIN PASS

Database File: beliew1.db
Dataset Pathname: XYC
Presentation Format: GRXY-AHV
Dataset Creation: Fri Feb 03 18:07:52 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI) 0 100
Y-Caliper (in) 50 70
X-Caliper (in) 50 70
Bit Size (in) 50 70
Gamma Ray 251 222 189 159 130 101 73 45 17
ABHV (BBL) 0 50 100 150
Bit Size 638 564 487 412 338 264 191 118 46
X-Caliper
Y-Caliper
TBHV (BBL)

REPEAT PASS

Database File: beliew1.db
Dataset Pathname: XYCRP
Presentation Format: GRXY-AHV
Dataset Creation: Fri Feb 03 18:17:30 2006 by Log 6.2_B4
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI) 0 100
Y-Caliper (in) 50 70
X-Caliper (in) 50 70
Bit Size (in) 50 70
146 113 85 58 33 9
391 314 241 169 100 31

XY Caliper Calibration Report

Serial Number/Model: 01LM-XYCLM
Performed: Fri Feb 03 18:00:37 2006

Ring		X Caliper		Y Caliper	
1:	40 in	1030.33	cps	965.405	cps
2:	50 in	1206.71	cps	1150.15	cps
3:	60 in	1384.28	cps	1337.74	cps
4:	in		cps		cps
5:	in		cps		cps
6:	in		cps		cps

Gamma Ray Calibration Report

Serial Number: 15
Tool Model: GROH
Performed: Fri Feb 03 17:57:07 2006

Calibrator Value: 120 GAPI

Background Reading: 5.70571 cps
Calibrator Reading: 24.024 cps

Sensitivity: 6.55088 GAPI/cps

GR 7.60 ft
GR-GROH (15)
48.00 lb 3.50 in OD 2.75 ft
XYC-XYCLM (01LM)
87.00 lb 3.50 in OD 6.60 ft
XCAL 8.50 ft
YCAL 8.50 ft

Dataset: run1:XYCRP
Total Length: 9.35 ft
Total Weight: 137.60 lb
O.D. 3.50 in