Company	CITY OF CAPE CORAL		YOUNGQUIST BROTHERS, Inc.
Well	PRODUCTION WELL # 11N		GEOPHYSICAL LOGGING SYSTEMS
Field	NORTH WELL FIELD		
County	LEE		
State	FLORIDA		

XY CALIPER GAMMA RAY LOG

Company: CITY OF CAPE CORAL
Well: PRODUCTION WELL # 11N
Field: NORTH WELL FIELD
County: LEE
State: FLORIDA

Permanent Datum: GROUND LEVEL
Elevation: 10 FT
Log Measured From: KELLY BUSHING
10 FT ABOVE PERM. DATUM
Drilling Measured From: KELLY BUSHING

Elev.: K.B. 10 FT, D.F. N/A, G.L. 0 FT

Date: 29-Mar-09
Run Number: ONE
Depth Driller: 1200 FT
Depth Logger: 1200 FT
Bottom Logged Interval: 1200 FT
Top Logged Interval: 0 FT
Casing Driller: 8.625 @ 0 FT
Casing Logger: 0 FT
Bit Size: 7.875 IN
Type Fluid in Hole: WATER
Density / Viscosity: 8.4 LB/G
PH / Fluid Loss: 7.0 / N/A
Source of Sample: N/A
Rm @ Measured Temp: N/A
Rmf @ Measured Temp: N/A
Rmc @ Measured Temp: N/A
Source of Rmf / Rmc: N/A
Rm @ BHT: N/A
Time Since Circulation: 1 HR
Max. Rec. Temp. Deg. F: 80
Equipment Number: 15
Location: GROV
Recorded By: TAY
Witnessed By: MR. MARK

Run No. 1 | Date: 29-Mar-09 | Depth Driller: 1200 FT | Depth Logger: 1200 FT | Bottom Logged Interval: 1200 FT | Top Logged Interval: 0 FT | Casing Driller: 8.625 @ 0 FT | Casing Logger: 0 FT | Bit Size: 7.875 IN | Type Fluid in Hole: WATER | Density / Viscosity: 8.4 LB/G | PH / Fluid Loss: 7.0 / N/A | Source of Sample: N/A | Rm @ Measured Temp: N/A | Rmf @ Measured Temp: N/A | Rmc @ Measured Temp: N/A | Source of Rmf / Rmc: N/A | Rm @ BHT: N/A | Time Since Circulation: 1 HR | Max. Rec. Temp. Deg. F: 80 | Equipment Number: 15 | Location: GROV | Recorded By: TAY | Witnessed By: MR. MARK

Run No.	Bit Size	Casing Driller	Casing Logger	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Type Fluid in Hole	Density / Viscosity	PH / Fluid Loss	Source of Sample	Rm @ Measured Temp	Rmf @ Measured Temp	Rmc @ Measured Temp	Source of Rmf / Rmc	Rm @ BHT	Time Since Circulation	Max. Rec. Temp. Deg. F	Equipment Number	Location	Recorded By	Witnessed By
ONE	7.875 IN	8.625 @ 0 FT	0 FT	1200 FT	1200 FT	1200 FT	0 FT	WATER	8.4 LB/G	7.0 / N/A	N/A	N/A	N/A	N/A	N/A	N/A	1 HR	80	15	GROV	TAY	MR. MARK

Permanent Datum: GROUND LEVEL | Elevation: | Log Measured From: KELLY BUSHING 10 FT ABOVE PERM. DATUM | Drilling Measured From: KELLY BUSHING

Elev.: K.B. 10 FT, D.F. N/A, G.L. 0 FT

XY Caliper Calibration Report

Ring			X Caliper		Y Caliper	
1	10	in	676.276	cps	656.957	cps
2	15	in	857.01	cps	839.993	cps
3	20	in	956.656	cps	949.969	cps
4	30	in	1056.78	cps	1076.26	cps
5		in		cps		cps
6		in		cps		cps

Gamma Ray Calibration Report

Serial Number	15		
Truck Model	GROV		
Performed	Thu Apr 03 12:14:11 2008		
Calibrator Value	120	GAPI	
Background Reading	11.6116	cps	
Calibrator Reading	87.0871	cps	
Sensitivity	1.55662	GAPI/cps	

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

DLL4,3/6P
BHC SONIC/DL
FLOWMETER
RCT
DHTVS

MAIN PASS

Database File: <depver>.db
Dataset Pathname: PASS1
Presentation Format: GRXYC
Dataset Creation: Wed May 20 10:40:07 2009 by Calc 6.2_84
Charted by: Depth in Feet scaled 1:600

Gamma Ray (GAPI) 0 200 | X-Caliper (in) 10 20 | Y-Caliper (in) 10 20

MAIN PASS

Database File: <depver>.db
Dataset Pathname: PASS1
Presentation Format: GRXYC
Dataset Creation: Wed May 20 10:40:07 2009 by Calc 6.2_84
Charted by: Depth in Feet scaled 1:600

Gamma Ray (GAPI) 0 200 | X-Caliper (in) 10 20 | Y-Caliper (in) 10 20

MAIN PASS

Database File: <depver>.db
Dataset Pathname: PASS1
Presentation Format: GRXYC
Dataset Creation: Wed May 20 10:42:59 2009 by Calc 6.2_84
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI) 0 200 | X-Caliper (in) 10 20 | Y-Caliper (in) 10 20

REPEAT PASS

Database File: <depver>.db
Dataset Pathname: PASS2
Presentation Format: GRXYC
Dataset Creation: Wed May 20 10:42:59 2009 by Calc 6.2_84
Charted by: Depth in Feet scaled 1:240

Gamma Ray (GAPI) 0 200 | X-Caliper (in) 10 20 | Y-Caliper (in) 10 20

XY Caliper Calibration Report

Serial Number/Model	15,XYCCM
Performed	Wed May 29 08:52:07 2009

Ring			X Caliper		Y Caliper	
1	10	in	676.276	cps	656.957	cps
2	15	in	857.01	cps	839.993	cps
3	20	in	956.656	cps	949.969	cps
4	30	in	1056.78	cps	1076.26	cps
5		in		cps		cps
6		in		cps		cps

Gamma Ray Calibration Report

Serial Number	15	
Truck Model	GROV	
Performed	Thu Apr 03 12:14:11 2008	
Calibrator Value	120	GAPI
Background Reading	11.6116	cps
Calibrator Reading	87.0871	cps
Sensitivity	1.55662	GAPI/cps

GR 7.88 ft

GR-GROV (15)
40.88 lb 3.50 in 02-2.5 ft

WGL 2.5 ft
YGL 2.5 ft

XYC-XYCCM (CM)
17.81 lb 3.50 in 00.5 ft 6.5 ft

Deltrak
Total Length 9.19 ft
Total Weight 122.69 lb
OD 3.50 in