CEMENT BOND GAMMA RAY COLLAR CORRELATION LOG

JW WIRELINE COMPANY

Company	DUKE GAS COMPANY LLC
Well	CANTRALL 6-16
Field	VERNON
County	YUMA
State	COLORADO

Company DUKE GAS COMPANY LLC
Well CANTRALL 6-16
Field VERNON
County YUMA State COLORADO

Location: API # : 05-125-11942-00
305' FSL & 304' FEL
SE SE
SEC 6 TWP 1S RGE 44W

Other Services: PERF

Permanent Datum	GL	Elevation	3987
Log Measured From	KB		
Drilling Measured From	KB		

Elevation: K.B. 3999, D.F. 3998, G.L. 3987

Date	NOVEMBER 29, 2010
Run Number	ONE
Depth Driller	2553
Depth Logger	2482
Bottom Logged Interval	2476
Top Log Interval	1500
Open Hole Size	6.25
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	--
Estimated Cement Top	1660
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	443
Location	STERLING CO.
Recorded By	PHIL LOPEZ
Witnessed By	BILL CANTRALL

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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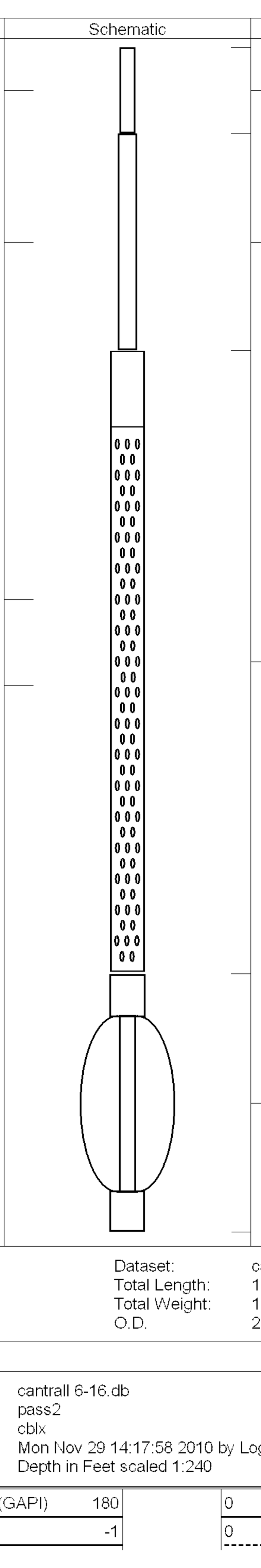
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

THANK YOU FOR CHOOSING JW WIRELINE
DEPTH REFERENCE TO OPEN HOLE LOG DATED NOVEMBER 19, 2010
PERF INTERVALS 2358-92 2 SPF 34' TOTAL

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	13.25		CCL-GR_1_3/8 (001)	1.00	1.38	11.00
GR	11.49		GR-s_t001 (t001)	2.52	1.69	30.00
WVF5	7.34					
WVF3	6.34		CBL-3_5 (001)	7.23	2.44	127.00
			CENT-B (2)	3.00	1.69	10.00



Dataset: cantrall 6-16.db: field/well/run1/pass2
Total Length: 13.75 ft
Total Weight: 178.00 lb
O.D. 2.44 in

Database File: cantrall 6-16.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Mon Nov 29 14:17:58 2010 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	180	0	Amplitude (mV)	100	200	Variable Density	1200
9	CCL	-1	0	Amplified Amplitude (mV)	30			

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