JW WIRELINE COMPANY

CEMENT BOND COLLAR LOG

Company	ANADARKO PETROLEUM CORP
Well	VYNCKIER 15-2A
Field	WATTENBERG
County	WELD
State	COLORADO

Company ANADARKO PETROLEUM CORP
Well VYNCKIER 15-2A
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-20996-00
SW SE
SEC 2 TWP 2N RGE 67W

Other Services
NONE

Permanent Datum GL Elevation 4860
Log Measured From KB
Drilling Measured From K

Elevation
K.B. 4872
D.F.
G.L. 4860

Date	09-OCTOER-2013
Run Number	ONE
Depth Driller	7956
Depth Logger	5305
Bottom Logged Interval	5298
Top Log Interval	3850
Open Hole Size	3966
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	NOT RECORDED
Estimated Cement Top	
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/RED
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. MARK VANDAGRIFF

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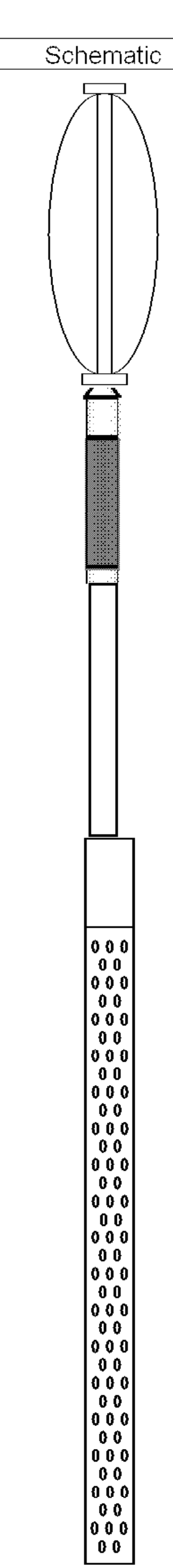
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

BOTTOM CEMENT@5140

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-A (1)	3.00	1.69	10.00
CCL	14.06		CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.96	2.75	20.00
GR	11.49		GR-s_t001 (t001)	2.52	1.69	30.00
WVF5 WVF3	7.34 6.34		CBL-3_5 (001)	7.23	2.44	127.00
			CENT-B (2)	3.00	1.69	10.00

Dataset: anadarko.db: field/well/run1/pass1
Total Length: 17.71 ft
Total Weight: 197.00 lb
O.D. 2.75 in

Database File: anadarko.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Wed Oct 09 20:23:14 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

15 CCL -0.25		0 3' Amplitude (mV) 100	200 Variable Density 1200
300 TT3 (usec) 200		0 Amplified Amplitude (mV) 30	

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300 TT3 (usec) 200		0 Amplified Amplitude (mV) 30	

Calibration Report

Database File: anadarko.db
Dataset Pathname: pass1
Dataset Creation: Wed Oct 09 20:23:14 2013 by Log SCH 111116

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Wed Oct 09 20:12:00 2013		
Depth:	1109.76	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.5	2.5	V
Gain:	31.2784	31.2784	
Offset:	3	3	

Gamma Ray Calibration Report

Serial Number:	t001	
Tool Model:	s_t001	
Performed:	Sun Jun 13 14:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps