J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR LOG

Company	ANADARKO PETROLEUM CORP.
Well	SHUTT FEDERAL 16-18A
Field	WATTENBERG
County	WELD
State	COLORADO

Company ANADARKO PETROLEUM CORP.
Well SHUTT FEDERAL 16-18A
Field WATTENBERG
County WELD State COLORADO
Location: API #: 05--123-21244-00
SE SE
SEC 18 TWP 3N RGE 66W

Other Services
NONE

Permanent Datum	GL	Elevation 4870	Elevation	K.B. 4882
Log Measured From	KB			D.F.
Drilling Measured From	K B			G.L. 4870

Date	06-DECEMBER-2013
Run Number	ONE
Depth Driller	7910
Depth Logger	1505
Bottom Logged Interval	1498
Top Log Interval	SURFACE
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	NOT RECORDED
Estimated Cement Top	370
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/TITAN
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR. RODRIGO VIERA

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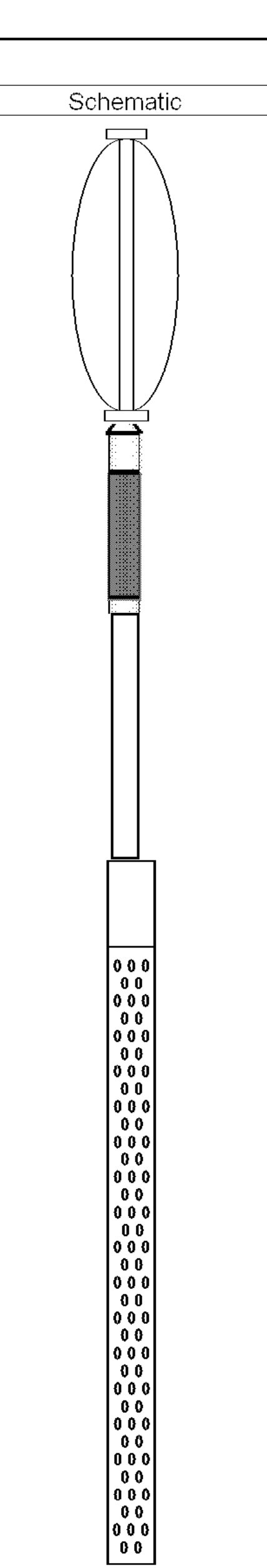
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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



Sensor	Offset (ft)	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	7.34	CBL-3_5 (001)	7.23	2.44	127.00
WVF3	6.34				
		CENT-B (2)	3.00	1.69	10.00

Dataset:	shutt federal 16-18a#.db: field/well/run1/pass1
Total Length:	17.71 ft
Total Weight:	197.00 lb
O.D.	2.75 in

Database File:	shutt federal 16-18a#.db
Dataset Pathname:	pass1
Presentation Format:	cblx
Dataset Creation:	Fri Dec 06 19:53:12 2013 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File:	shutt federal 16-18a#.db
Dataset Pathname:	pass1
Dataset Creation:	Fri Dec 06 19:53:12 2013 by Log SCH 111116

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Fri Dec 06 19:53:08 2013		
Depth:	1503.41	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:	2.46384	2.1957	V
Gain:	31.7375	35.6132	
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