



**RADIAL CEMENT BOND  
GAMMA RAY  
CCL  
TEMP**

Company		ANADARKO PETROLEUM CORP					
Well		NRC 37-8					
Field		WATTENBERG					
County		WELD					
State		COLORADO					
Location:		API # : 05-123-31230					
Permanent Datum		GROUND LEVEL Elevation 5056'					
Log Measured From		KELLY BUSHING = 15'					
Drilling Measured From		KELLY BUSHING					
SEC 8 TWP 1N RGE 67W		Other Services NONE					
SW SE							
Date		31 JANUARY 2020					
Run Number		ONE					
Depth Driller		8416'					
Depth Logger		1500'					
Bottom Logged Interval		1500'					
Top Log Interval		SURFACE					
Open Hole Size		8.62"					
Type Fluid		WATER					
Density / Viscosity		~8.3#					
Max. Recorded Temp.		75 DEG F					
Estimated Cement Top		1420'					
Time Well Ready		ROA					
Time Logger on Bottom		0955					
Equipment Number		W-060					
Location		WINDSOR, CO					
Recorded By		TIM HAWLEY					
Witnessed By		RAUL REYES					
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size		Wgt/Ft		Top		Bottom
Surface String	8-5/8"		24#		15'		1005'
Prot. String							
Production String	4-1/2"		11.6#		15'		8416'
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

LOG CORRELATED TO EXISTING SPN LOG DATED 12 AUGUST 2010

LOG RAN WITH 0 PSI ON CASING  
FREE PIPE CALIBRATION @ 1040'

THANK YOU FOR CHOOSING CUTTERS WIRELINE SERVICE

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00

Tool Name	Start Depth (ft)	End Depth (ft)	Length (ft)	Weight (lb)	O.D. (in)
WV3FT	9.02	9.02	0.00	0.00	0.00
WVFS1	9.02	9.02	0.00	0.00	0.00
WVFS2	9.02	9.02	0.00	0.00	0.00
WVFS3	9.02	9.02	0.00	0.00	0.00
WVFS4	9.02	9.02	0.00	0.00	0.00
WVFS5	9.02	9.02	0.00	0.00	0.00
WVFS6	9.02	9.02	0.00	0.00	0.00
WVFS7	9.02	9.02	0.00	0.00	0.00
WVFS8	9.02	9.02	0.00	0.00	0.00
WV5FT	8.02	9.02	1.00	10.00	2.75
WVFCAL	4.77	4.77	0.00	0.00	0.00
WVFSYNC	4.77	4.77	0.00	0.00	0.00
RBT_HV	4.77	4.77	0.00	0.00	0.00
ACCX	4.77	4.77	0.00	0.00	0.00
ACCY	4.77	4.77	0.00	0.00	0.00
ACCZ	4.77	4.77	0.00	0.00	0.00
CCL	3.92	4.77	0.85	8.50	2.75
GCT_Temp	3.17	3.92	0.75	7.50	2.75
GR	2.42	3.17	0.75	7.50	2.75
<p>Dataset: nrc 37-8.db: field/well/run1/pass_MERGE</p> <p>Total Length: 14.97 ft</p> <p>Total Weight: 155.00 lb</p> <p>O.D.: 2.75 in</p>					

Charted by:

Depth in Feet scaled 1:240

325	TT (usec)	225	LTEN	0	Amplitude (mV)	100	-5	AMPS2	150	200	VDL	1200	Cement Map
0	GR (GAPI)	200	(lb)		Amplified Amplitude		-5	AMPS3	150				
			CCL	000	0	(mV)	10	-5	AMPS4	150			
								-5	AMPS5	150			
								-5	AMPS6	150			
								-5	AMPS7	150			
								-5	AMPS8	150			
								-5	AMPS1	150			
								GCT_Temp					
								0	(degF)	300			
								GCT_Temp					
								(degF)					

