

<div>RMWS ROCKY MOUNTAIN WIRELINE SERVICE</div>		CEMENT BOND LOG GAMMA RAY / CCL	
Company	WPX ENERGY, LLC	Location	AP # : 051031033800
Well	FEDERAL 299-26-2	County	RIO BLANCO
Field	RYANS GULCH	State	COLORADO
Log Measured From	SEC 26 TWP 2S R9E 99W	Permanent Datum	576 FNL, 606 TEL.
Log Measured To	K.B.	Elevation	7140'
Date	01-11-2013	KT 7157	DT 7151
Run Number	ONE	KT 7140'	DT 7140'
Depth Chir	8800'		
Present Depth Chir	5007'		
Depth Logger	5023'		
Bottom Logged Interval	5022'		
Top Log Interval	4100'		
Fluid Type	WATER		
Max. Recorded Temp	365		
Estimated Cement Top	N/A		
Equipment Number	214		
Recorded By	GRAND, JCT.		
Witnessed By	MCBROOM		
Revised By	FERMANDEZ		
Run Number	Bit	Size	Weight
From	To	From	To
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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.

WARRIOR 7.0 SOFTWARE - Comments

NOTE; THIS LOG WAS CORRECTED TO THE CBL LOG DATED 10-3-2005

NOTE: MAIN PASS 5" = 100'.
CSG PSI = STATIC.
MAIN PASS 5"=100'.

Raw (v)		Calibrated (mv)		Results	
Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.980	1.000	81.196	0.999
5FT	0.000	1.019	1.000	81.196	0.999
S1	0.000	1.017	0.000	100.000	-0.002
S2	0.000	1.045	0.000	100.000	-0.002
S3	0.000	0.997	0.000	100.000	-0.002
S4	0.000	0.994	0.000	100.000	-0.002
S5	0.000	1.003	0.000	100.000	-0.002
S6	0.000	0.995	0.000	100.000	-0.002
S7	0.000	0.993	0.000	100.000	-0.002
S8	0.000	1.015	0.000	100.000	-0.002

Calibration Report


Serial Number:
Tool Model:
Performed:

1122
004

Low:
High:

Reference (degF)
0.000
1.000
Gain = 1.000

Reading ()
0.000
1.000
Offset= 0.000



MAIN PASS

