

RMWS

ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG

GAMMA RAY / CCL

Company

WILLIAMS PRODUCTION RMT CO.

Well

GM 433 - 31

Field

GRAND VALLEY

County

GARFIELD

State

COLORADO

Location

API # - 30-045-194Z

Other Services

SHL 2235 FSL & 1660 FEL
BHL 1631 FSL & 1690 FEL
SEC 31 TWP 6S R6E 98W
Log Measured From KCB
Log Measured From KCB
Casing Measured From KCB
Date 6-10-2011
Run Number ONE
Pressure Depth Other 585Z
Pressure Depth Other 585Z
Bottom Depth Interval 583V
Tool Joint Interval 420V
Fluid Level 40V
Type Fluid WATER
Max Recorded Temp. N/A
Estimated Cement Top SEE LOG
Estimated Cement Top 205
Recorded by GRAND JCT
Witnessed by MK SHOOK
Run Number 157
BIH From 1887
Casing Report To 687
TWO 7315
CCL SURFACE 680V
CCL SURFACE 680V

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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 DEPTH CORRELATED TO THE RMWS CBL DATED 6 - 02 - 11
MAIN PASS 5" = 100"
CSG PSI = STATIC

Calibration Report

Database File: C:\Users\Kyle Harris\Desktop\061011_williams_gm-31.db

Dataset Pathname: MAIN\pass2

Dataset Creation: Fri Jun 10 19:35:22 2011 by Calc Sondex V7.02

Gamma Ray Calibration Report

Serial Number: 217692

Tool Model: PGR020

Performed: Sun Jun 13 13:33:21 1993

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 0.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1122

Tool Model: 004

Calibration Casing Diameter: 4.500 in

Calibration Depth: 873.879 ft

Master Calibration, performed Fri Jun 10 19:35:17 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	1.023	0.000	81.196	79.361	-0.000
5FT	0.000	1.014	0.000	81.196	80.084	-0.000
S1	0.000	1.054	0.000	100.000	94.857	-0.000
S2	0.000	1.211	0.000	100.000	82.550	-0.000
S3	0.000	1.076	0.000	100.000	92.898	-0.000
S4	0.000	1.034	0.000	100.000	96.757	-0.000
S5	0.000	1.075	0.000	100.000	92.987	-0.000
S6	0.000	1.041	0.000	100.000	96.078	-0.000
S7	0.000	1.127	0.000	100.000	88.722	-0.000
S8	0.000	1.952	0.000	100.000	95.094	-0.000

Calibration Report

Serial Number: 1122

Tool Model: 004

Reference (i)

Reading (i)

Low:

High:

Gain =

Offset=

