PIONEER
Pioneer Energy Services

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.

Company	KERR MCGEE ROCKY MNT ON SHORE
Well	VINCENT ROLLIE J "B" #2
Field	WATTENBERG
County	WELD
State	COLORADO

Company KERR MCGEE ROCKY MNT ON SHORE
Well VINCENT ROLLIE J "B" #2
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05.123.09976
1080' FSL & 1100' FSL
SE SE
SEC 12 TWP 2N RGE 67

Other Services

Permanent Datum GL Elevation 4839
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4849
D.F. 4848
G.L. 4839

Date	02-NOV-2013
Run Number	ONE
Depth Driller	7960'
Depth Logger	7664'
Bottom Logged Interval	7664'
Top Log Interval	SURFACE
Open Hole Size	7-7/8"
Type Fluid	WATER
Density / Viscosity	8.33
Max. Recorded Temp.	236° F
Estimated Cement Top	7160'
Time Well Ready	PM
Time Logger on Bottom	13:50
Equipment Number	75
Location	FORT MORGAN
Recorded By	LEROY HOBBS
Witnessed By	TRAUX DEAL

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#	SURFACE	622'
Prot. String				
Production String	4-1/2"	11.6#	SURFACE	7960'
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

THANK YOU FOR USING PIONEER WIRELINE.

LOG IS UNCORRECTED, LOG WAS RAN OFF A 10' K.B.

SO.# 2-204682

Database File:	0512309976 vincent rolliej b #2.db
Dataset Pathname:	pass1
Presentation Format:	cbl_drs
Dataset Creation:	Sat Nov 02 14:04:37 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File:	0512309976 vincent rolliej b #2.db
Dataset Pathname:	pass1
Dataset Creation:	Sat Nov 02 14:04:37 2013 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: Base

Tool Model: Probe

Calibration Casing Diameter: 4.500 in
Calibration Depth: 905.733 ft

Master Calibration, performed Sat Nov 02 13:37:20 2013:

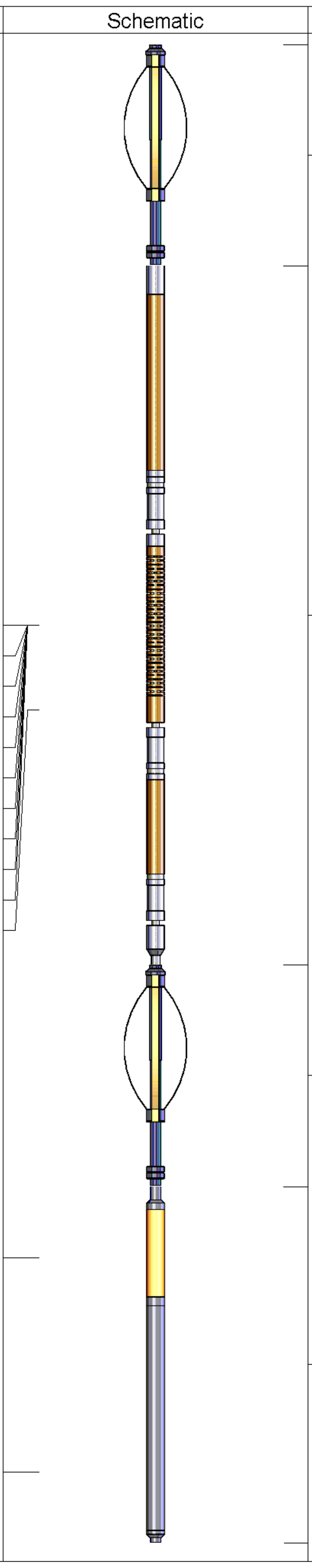
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.680	0.900	81.196	120.264	0.592
CAL	0.013	0.649				
5'	0.013	0.610	0.900	81.196	134.382	-0.824
SUM						
S1	0.013	0.697	0.000	100.000	146.187	-1.845
S2	0.012	0.718	0.000	100.000	141.671	-1.766
S3	0.013	0.721	0.000	100.000	141.273	-1.831
S4	0.012	0.712	0.000	100.000	142.872	-1.768
S5	0.013	0.701	0.000	100.000	145.426	-1.875
S6	0.012	0.675	0.000	100.000	150.899	-1.875
S7	0.013	0.666	0.000	100.000	152.996	-1.914
S8	0.013	0.676	0.000	100.000	150.707	-1.919

Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	0.649	1.000	0.000

Air Zero Calibration, performed Wed Aug 21 10:24:02 2013:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT	11.71		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.71					
WVFS1	11.71					
WVFS2	11.71					
WVFS3	11.71					
WVFS4	11.71					
WVFS5	11.71					
WVFS6	11.71					
WVFS7	11.71					
WVFS8	11.71					
WVF5FT	10.63					
			PTS275	2.83	2.75	
CCL	3.63					
			GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00
GR	0.90					

Dataset: 0512309976 vincent rolliej b #2.db: field/well/run1/pass1
Total Length: 19.13 ft
Total Weight: 190.00 lb
O.D. 2.75 in