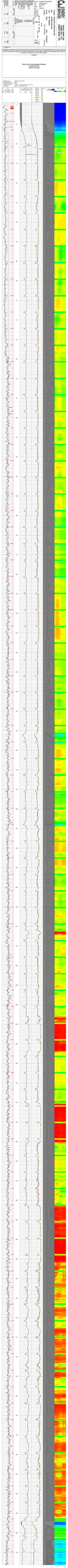

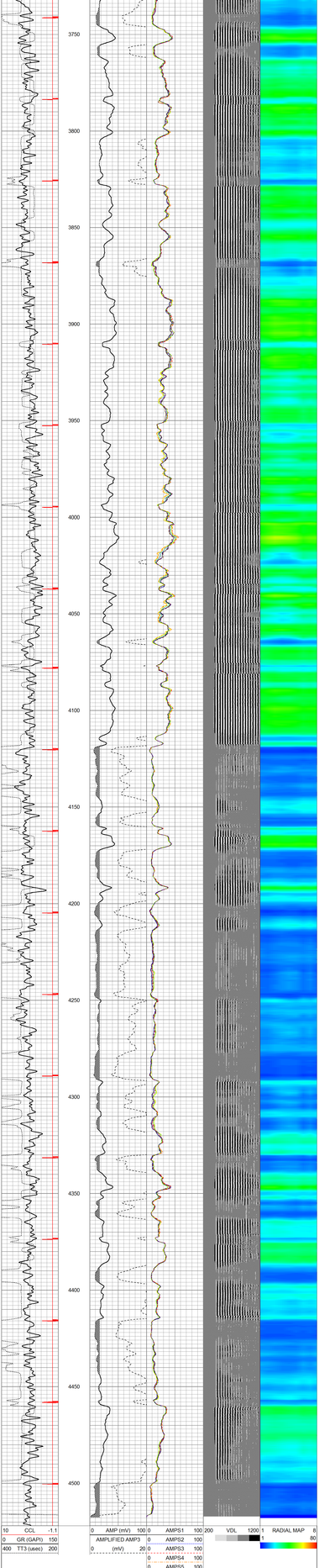

C&J ENERGY SERVICES

RADIAL BOND LOG
GAMMA RAY / CCL
CEMENT BOND / VDL

Company	ANADARKO PETROLEUM CORP.
Well	RADEMACHER 9-24A
Field	WATTENBERG
County	WELD
State	COLORADO

Company ANADARKO PETROLEUM CORP.
Well RADEMACHER 9-24A
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05-123-20759
NE / SE
SEC 25 TWP 3N RGE 68W

Other Services

Permanent Datum	GL	Elevation	4870'
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4884'
D.F. 4883'
G.L. 4870'

Date	January 31, 2020		
Run Number	One		
Depth Driller	7813'		
Depth Logger	4500'		
Bottom Logged Interval	4500'		
Top Log Interval	Surface		
Casing Size	4 1/2		
Type Fluid	Water		
Max. Recorded Temp.	NA		
Estimated Cement Top	---		
Time Well Ready	1:00pm		
Time Logger On Bottom	1:15pm		
Unit Number	200054		
Tool Size / ID Number	2 3/4 RBL		
Location	Sterling, CO		
Recorded By	Adam Frank		
Witnessed By	Domingo Delapaz		

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	640'
Prot. String				
Production String	4 1/2	11.6#	Surface	7777'
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 Casedhole Solutions!
Log ran with 0 PSI
Log Not Correlated

Database File:	rodemacher 9-25a.db
Dataset Pathname:	pass3
Presentation Format:	zwag
Dataset Creation:	Fri Jan 31 14:26:56 2020 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File: rodemacher 9-25a.db
Dataset Pathname: pass3
Dataset Creation: Fri Jan 31 14:26:56 2020 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Fri Dec 28 09:41:10 2018

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6500			GAPI/cps

PRIMARY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: 101020
Tool Model: Probe

Calibration Casing Diameter: 4.500 in
Calibration Depth: 2416.883 ft

Master Calibration, performed Fri Jan 31 14:19:06 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.011	1.503	1.500	81.196	52.644	2.080
CAL	-0.011	0.437				
5'	-0.011	1.359	1.500	81.196	58.156	2.167
SUM						
S1	-0.012	1.484	0.000	81.921	54.778	0.635
S2	-0.011	1.443	0.000	81.921	56.356	0.625
S3	-0.011	1.402	0.000	81.921	57.963	0.659
S4	-0.011	1.422	0.000	81.921	57.160	0.650
S5	-0.011	1.458	0.000	81.921	55.749	0.624
S6	-0.011	1.501	0.000	81.921	54.160	0.621
S7	-0.011	1.474	0.000	81.921	55.169	0.617
S8	-0.012	1.501	0.000	81.921	54.178	0.626

Internal Reference Calibration, performed Fri Jan 13 14:30:16 2012:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.011	0.437	1.000	0.000

Air Zero Calibration, performed Tue Feb 25 13:16:04 2014:

	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