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Pioneer Energy Services

SECTOR BOND LOG
GAMMA RAY
CCL VDL

Company	ANADARKO PETROLEUM CORP
Well	RADEMACHER 39-25
Field	Wattenberg
County	Weld
State	Colorado

Country USA

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Location: API # : 05123271420000
SHL: 1300' FsL & 1536' FEL
SWSE

SEC 25 TWP 3N RGE 68W

Other Services
None

Permanent Datum	GL	Elevation 4870	Elevation
Log Measured From	KB		K.B. 4890
Drilling Measured From	KB		D.F. 4890
			G.L. 4870

Date	March 24, 2014
Run Number	1
Depth Driller	7586
Depth Logger	1600
Bottom Logged Interval	1599
Top Log Interval	Surface
Open Hole Size	7-7/8"
Type Fluid	WATER
Density / Viscosity	8.33 PPG
Max. Recorded Temp.	NA
Estimated Cement Top	852
Time Well Ready	ROA
Time Logger on Bottom	1500
Equipment Number	49
Location	Ft. Morgan
Recorded By	Schuman
Witnessed By	MR. NICK LANG

Borehole Record			Tubing Record		
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	Surf	910
Prot. String				
Production String	4.5"	11.6#	sURF	7578
Liner				

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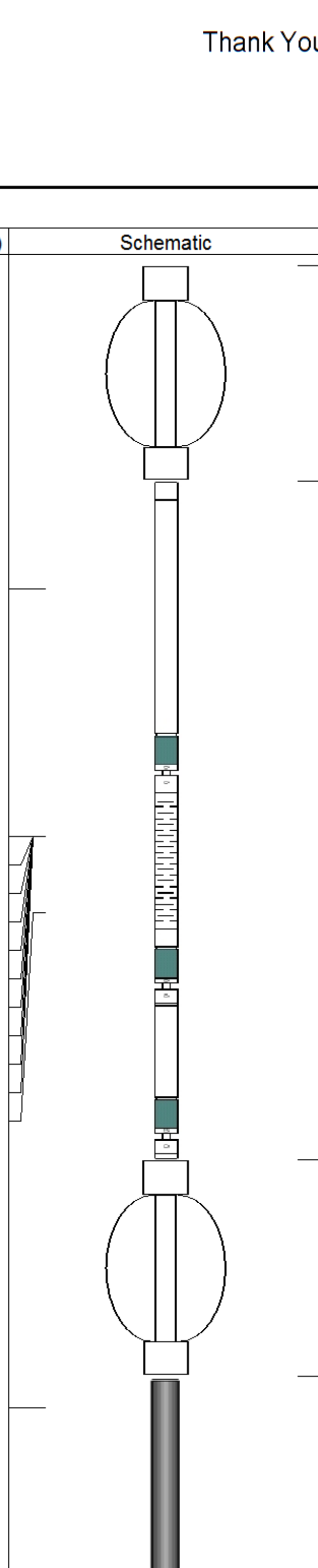
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

Thank You for using Pioneer Energy!
SO# 13496



Sensor	Offset (ft)
IntTemp	17.49
WVF3FT	14.24
WVFCAL	14.24
WVFS1	14.24
WVFS2	14.24
WVFS3	14.24
WVFS4	14.24
WVFS5	14.24
WVFS6	14.24
WVFS7	14.24
WVFS8	14.24
WVF5FT	13.24
CCL	6.75
GR	3.96

Description	Len (ft)	OD (in)	Wt (lb)
CENT #2 -A (1)	2.83	2.75	20.00
RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
CENT-A (1)	2.83	2.75	20.00
GR-probe 2.75 (111205) probe Digital CCL Gamma	4.33	2.75	100.00
CENT-A (1)	2.83	2.75	20.00

Dataset:	13496.db: field/well/run1/pass4
Total Length:	21.74 ft
Total Weight:	250.00 lb
O.D.	2.75 in

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MAIN PASS

Logged w/ 0 PSI applied at wellhead

Database File:	13496.db
Dataset Pathname:	pass4.2
Presentation Format:	scbl02
Dataset Creation:	Mon Mar 24 15:25:58 2014 by Calc 0
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File:	13496.db
Dataset Pathname:	pass3
Dataset Creation:	Mon Mar 24 14:49:08 2014 by Log 0

Gamma Ray Calibration Report

Serial Number:	111205	
Tool Model:	probe 2.75	
Performed:	Wed Feb 26 01:14:34 2014	
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:	391.903	ft

Master Calibration, performed Mon Mar 24 14:48:51 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.016	0.643	1.000	81.196	127.959	-1.057
CAL	0.016	0.780				
5'	0.016	0.610	1.000	81.196	134.942	-1.128
SUM						
S1	0.015	0.670	0.000	100.000	152.639	-2.217
S2	0.016	0.660	0.000	100.000	155.369	-2.502
S3	0.016	0.632	0.000	100.000	162.224	-2.580
S4	0.016	0.619	0.000	100.000	165.907	-2.692
S5	0.016	0.620	0.000	100.000	165.639	-2.730
S6	0.016	0.621	0.000	100.000	165.528	-2.728
S7	0.014	0.633	0.000	100.000	161.546	-2.333
S8	0.016	0.639	0.000	100.000	160.561	-2.540

Internal Reference Calibration, performed Tue Nov 21 12:42:07 2006:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.016	0.780	1.000	0.000

Air Zero Calibration, performed Thu Apr 24 09:23:40 2008:

	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

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