Company	KERR MCGEE OIL & GAS ONSHORE LP
Well	UPRR 41 PAN AM UNIT H #1
Field	WATTENBERG
County	WELD
State	CO

Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company	**KERR MCGEE OIL & GAS ONSHORE LP**
Well	**UPRR 41 PAN AM UNIT H #1**
Field	**WATTENBERG**
County	**WELD**
State	**CO**

Location: API #: 05123143860000
1345' FSL & 1305' FEL
NESE
SEC 23 TWP 3N RGE 68W

Other Services
None

Permanent Datum GL Elevation 4975
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4988
D.F. 4987
G.L. 4975

Date of Service	May 28, 2014
Run Number	1
Depth Driller or PBTD	7985
Depth Logger	4800
Bottom Log Interval	4799
Top Log Interval	200
Open Hole Size	7-7/8"
Type Fluid	Water
Fluid Level	200
Fluid Density	8.33 / 32
Max. Recorded Temperature	NA
Max. Wellhead Pressure	0
Wellhead Connection	Packoff to 2-3/8" in BOP
Estimated Cement Top	4647
Unit Number	49
Wireline Size	7/16"
Location	Ft. Morgan, CO
Recorded By	Schuman
Witnessed By	Mr. Aaron Holten

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	8-5/8"	24	Surface	667
Production Casing	5.5"	17	Surface	7980
Liner Record				

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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.

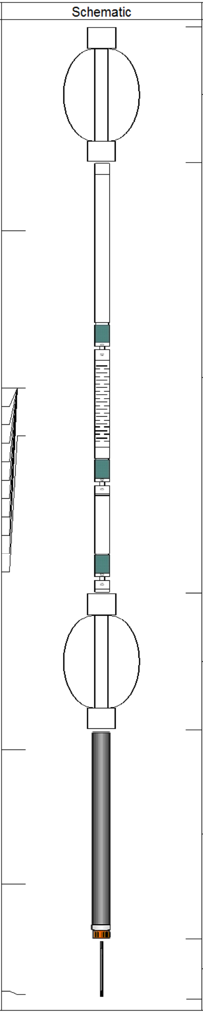
Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

SO# 2-013562

THANK YOU FOR USING PIONEER Energy SERVICES

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: Shaun	Sector CBL	R1
Operator: Geno		
Operator: Dale		
Operator:		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT #2 -A (1)	2.83	2.75	20.00
IntTemp	15.91					
			RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVF3FT	12.66					
WVFCAL	12.66					
WVFS1	12.66					
WVFS2	12.66					
WVFS3	12.66					
WVFS4	12.66					
WVFS5	12.66					
WVFS6	12.66					
WVFS7	12.66					
WVFS8	12.66					
WVF5FT	11.66					
			CENT-A (1)	2.83	2.75	20.00
CCL	5.17					
			GR-probe 2.75 (111205) proble Digital CCL Gamma	4.33	2.75	100.00
GR	2.38					
			TEMP-1.375TEMP (0001) Temperature Tool	1.25	1.38	30.00
TEMP	0.08					

Dataset:	13562.db: field/well/run1/pass2
Total Length:	20.16 ft
Total Weight:	260.00 lb
O.D.	2.75 in

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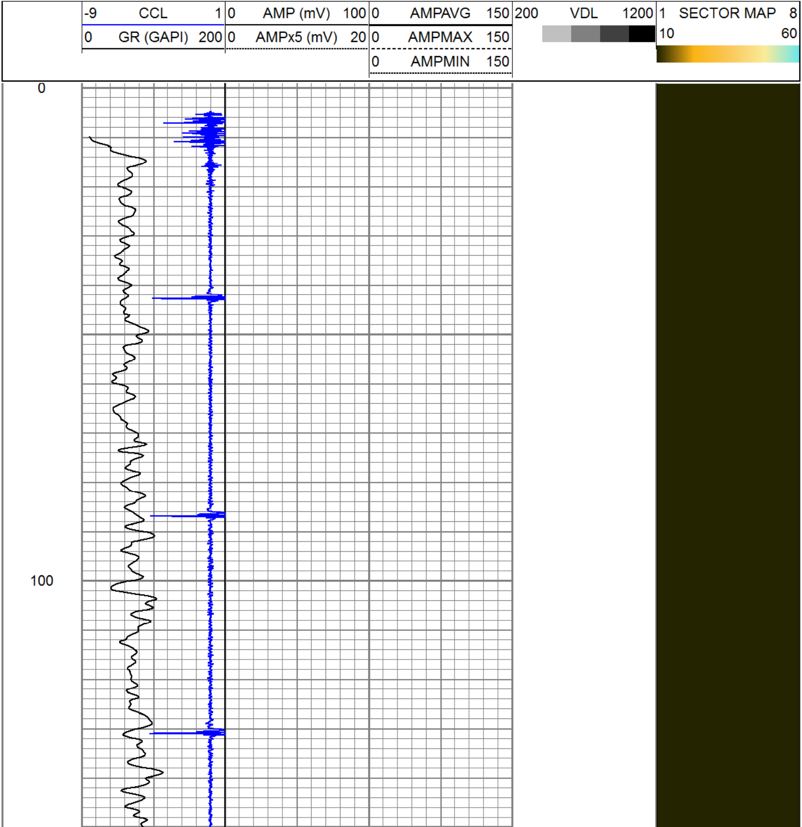
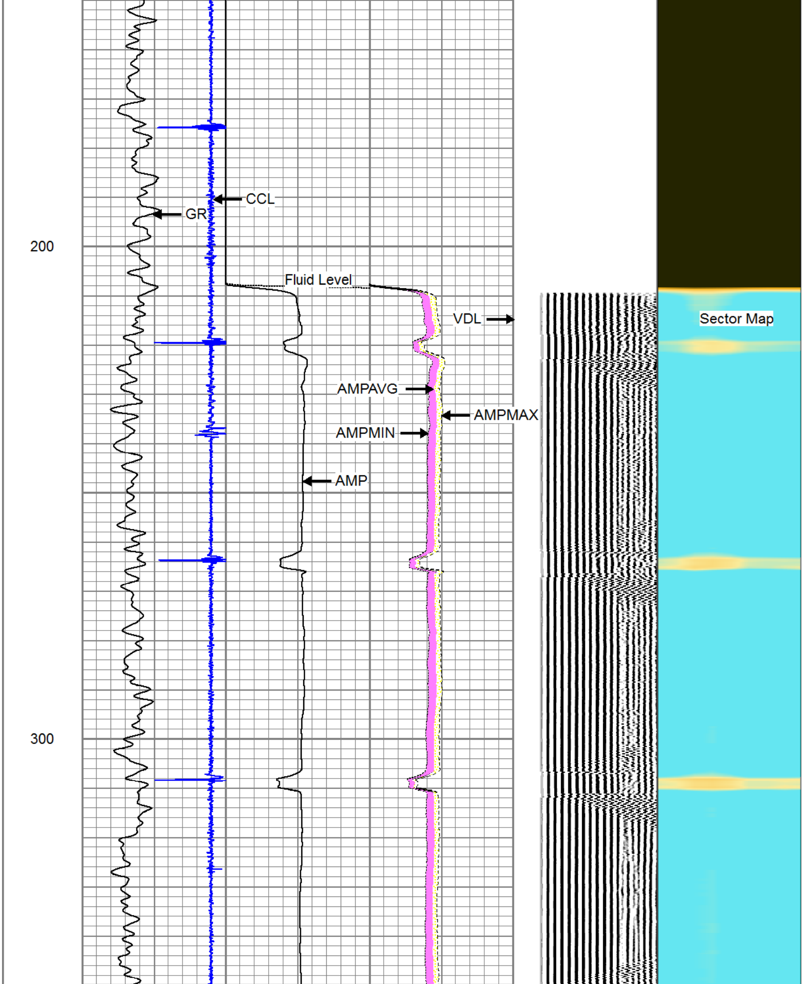
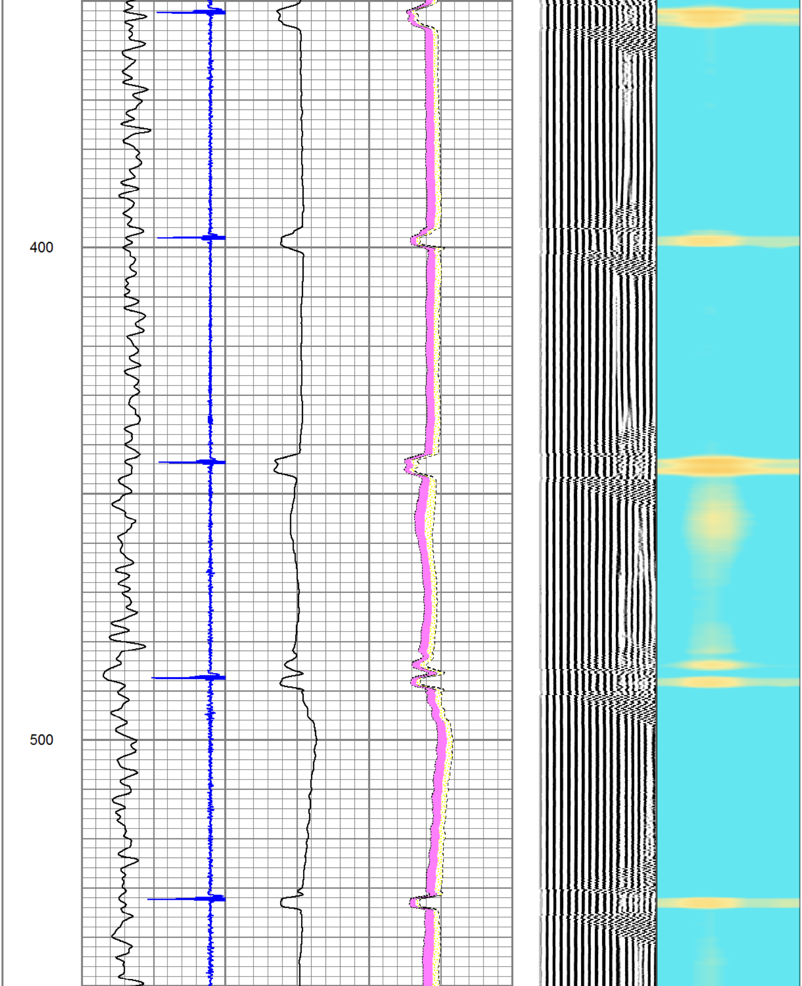
MAIN PASS

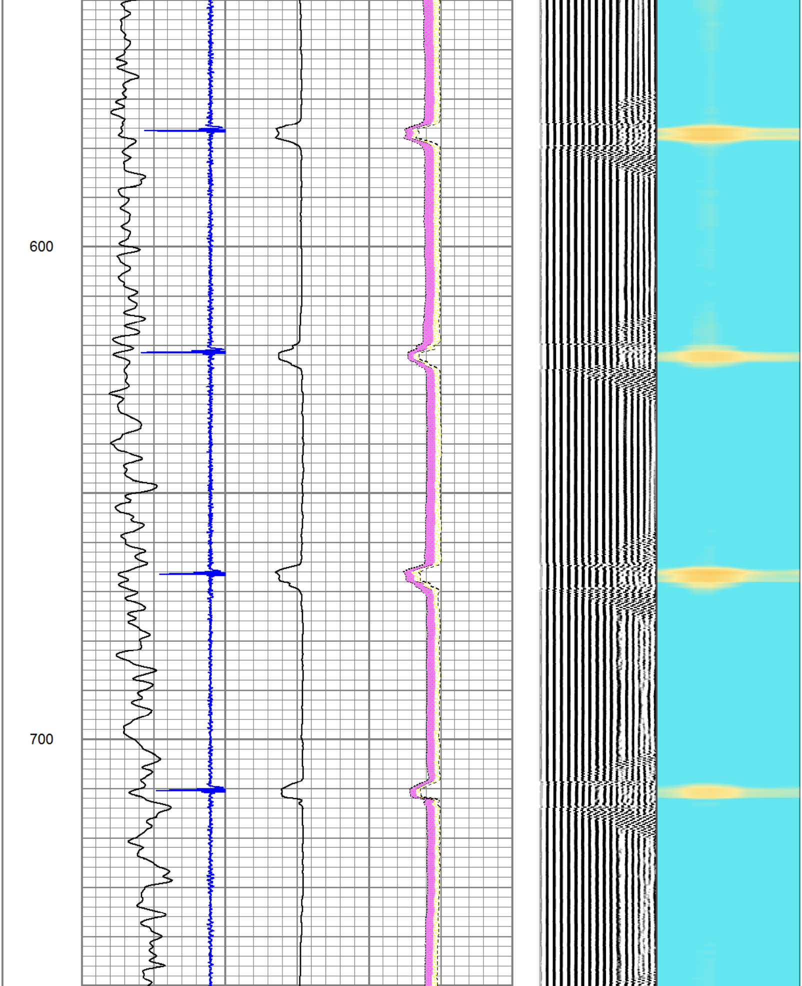
Logged with 0 PSI applied at surface

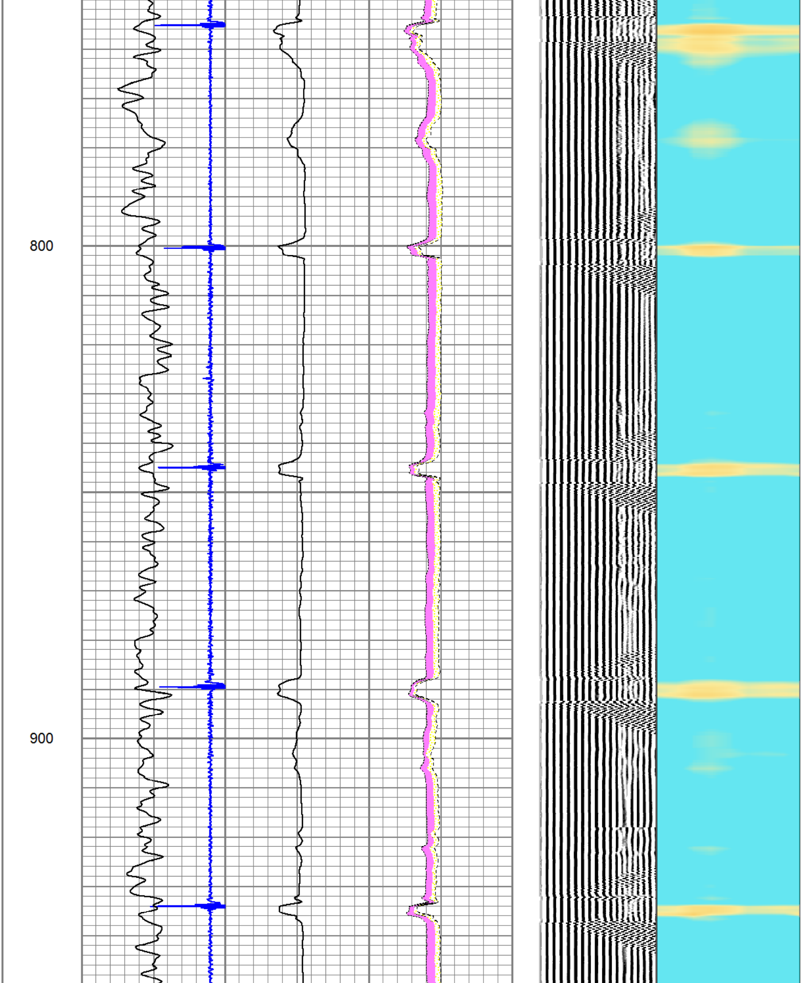
Database File:	13562.db
Dataset Pathname:	main
Presentation Format:	scbl02
Dataset Creation:	Wed May 28 08:56:20 2014
Charted by:	Depth in Feet scaled 1:240

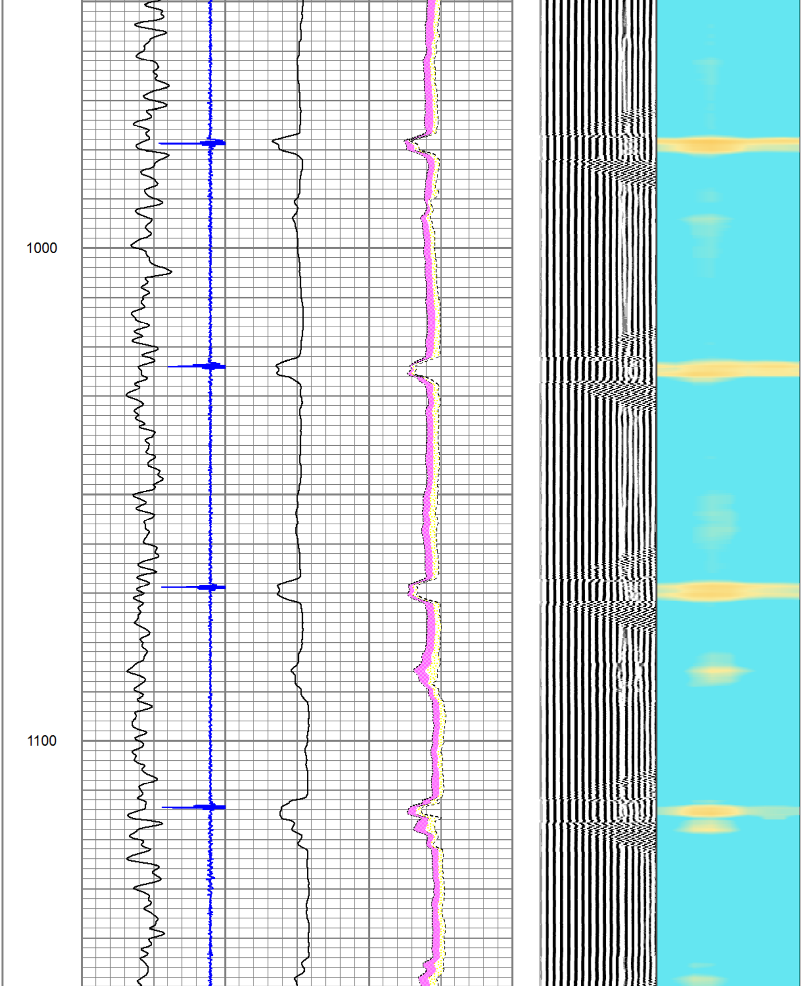


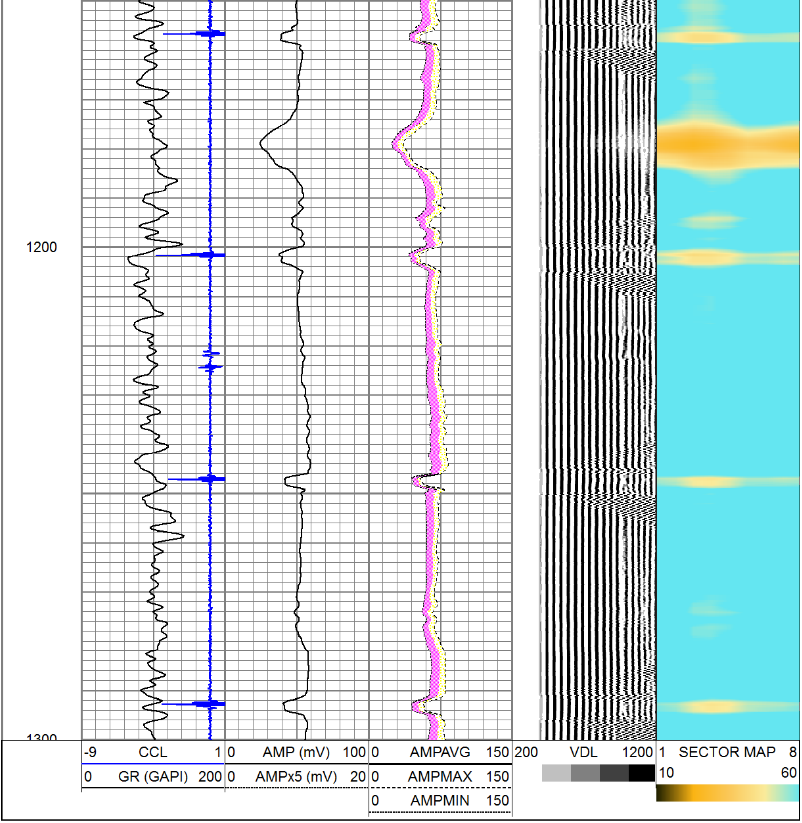












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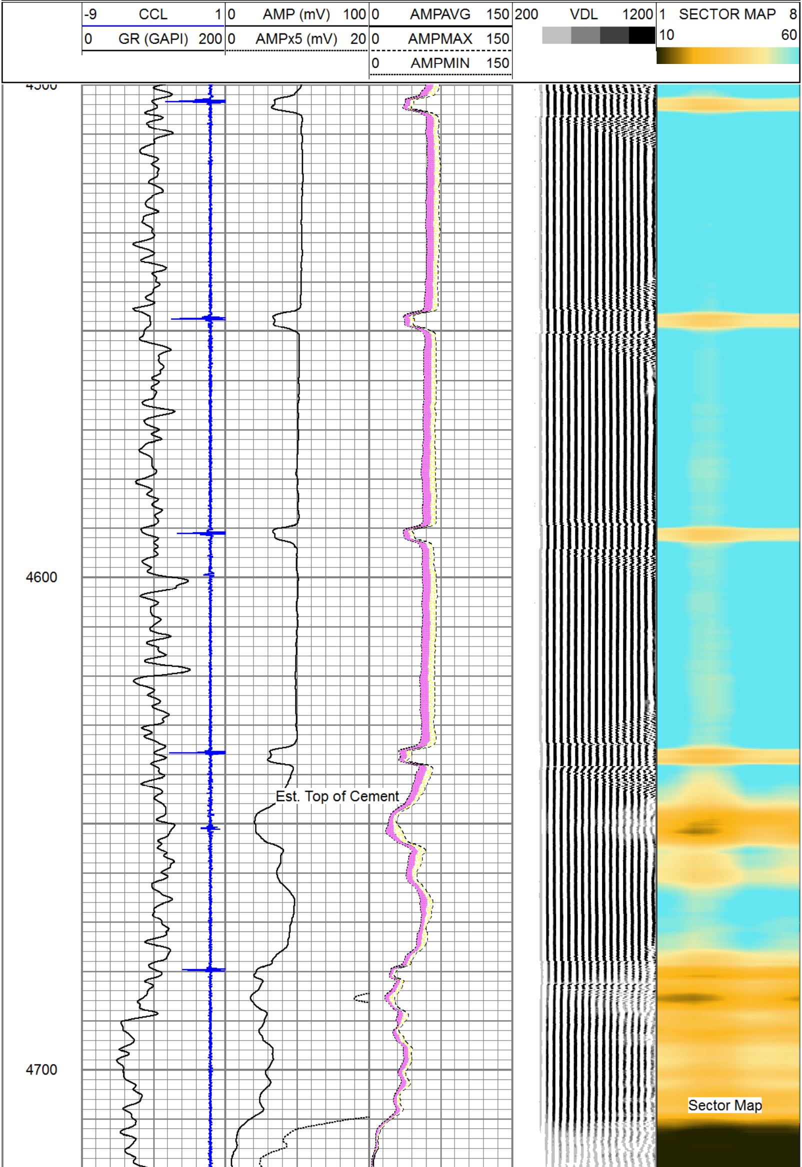
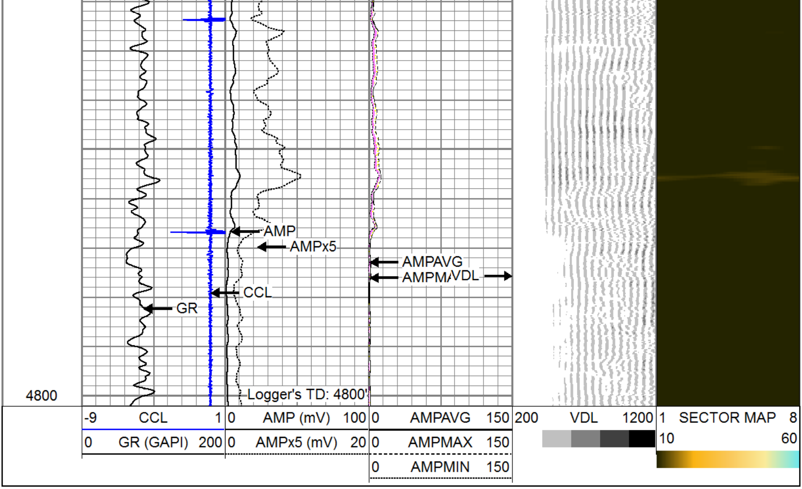
MAIN PASS

Logged with 0 PSI applied at surface

Database File: 13562.db
Dataset Pathname: main
Presentation Format: scbl02
Dataset Creation: Wed May 28 08:56:20 2014
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 13562.db
Dataset Pathname: pass1
Dataset Creation: Wed May 28 07:26:03 2014 by Log 0

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Fri May 23 09:48:57 2014

	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

Gain: 0.08
Offset: 15.00
Delta Spacing 2

Gamma Ray Calibration Report

Serial Number: 111205
Tool Model: probe 2.75
Performed: Sat May 03 17:02:46 2014

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	239.842	ft

Master Calibration, performed Fri May 23 11:08:02 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.861	0.000	62.200	71.805	-0.250
CAL	0.012	1.015				
5'	0.012	0.934	0.000	62.200	66.973	-0.759
SUM						
S1	0.005	0.969	0.000	100.000	83.161	-0.988
S2	0.012	0.953	0.000	100.000	81.295	-0.465
S3	0.012	0.843	0.000	100.000	81.382	-1.175
S4	0.012	0.764	0.000	100.000	84.277	-1.277
S5	0.012	0.747	0.000	100.000	80.191	-0.917
S6	0.012	0.760	0.000	100.000	81.766	-1.208
S7	0.012	0.821	0.000	100.000	84.946	-1.372
S8	0.012	0.887	0.000	100.000	87.302	-1.276

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	0.012	1.015	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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Company	KERR MCGEE OIL & GAS ONSHORE LP
Well	UPRR 41 PAN AM UNIT H #1
Field	WATTENBERG
County	WELD
State	CO