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Radial Cement Bond Log With VDL / CCL / GR / TEMP And Cement Map

Company Kerr McGee Oil & gas Onshore LP
Well Newby 25-33
Field Wattenberg
County Weld
State Colorado

Company	Kerr McGee Oil & gas Onshore LP
Well	Newby 25-33
Field	Wattenberg
County	Weld
State	Colorado

Location: API # : 05-123-29550

1314' FSL & 1338' FWL
SEC 33 TWP 3N RGE 68W

Other Services: None

Permanent Datum	Ground Level	Elevation	4925'
Log Measured From	Kelly Bushing		
Drilling Measured From	KB = 15'		

Elevation
K.B. 4940'
D.F. 4939'
G.L. 4925'

Date	8 MAY 2014		
Run Number	One		
Depth Driller	7734'		
Depth Logger	1603'		
Bottom Logged Interval	1602'		
Top Log Interval	100'		
Open Hole Size	UNK		
Type Fluid	Water		
Density / Viscosity	~8.34 #/Gal		
Max. Recorded Temp.	84.1 DegF		
Estimated Cement Top	594'		
Time Well Ready	16:00		
Time Logger on Bottom	16:10		
Equipment Number	P-59		
Location	Fort Morgan		
Recorded By	L. Mavros		
Witnessed By	N. Lang		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	11.6	Surface	7734'
Liner				

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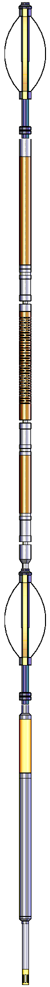
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT	12.96		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	12.96					
WVFS1	12.96					
WVFS2	12.96					
WVFS3	12.96					
WVFS4	12.96					
WVFS5	12.96					
WVFS6	12.96					
WVFS7	12.96					
WVFS8	12.96					
WVF5FT	11.88					
			PTS275	2.83	2.75	
CCL	4.88					
GR	3.55		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00
TEMP	0.08		TEMP-1.375TEMP (0001) Temperature Tool	1.25	1.38	30.00

Dataset: kerr_mcgee_newby_25-33_rcbl.db: field/well/run1/pass2
Total Length: 20.38 ft
Total Weight: 220.00 lb
O.D. 2.75 in

Calibration Report

Database File: kerr_mcgee_newby_25-33_rcbl.db
Dataset Pathname: pass2
Dataset Creation: Thu May 08 15:59:03 2014 by Log 7.0 B1

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Tue May 06 14:01:15 2014

	Reference	Reading
Low Reference:	32.00 degF	320.00 cps
High Reference:	500.00 degF	5000.00cps

Gain: 0.11
Offset: 0.00
Delta Spacing 2

Gamma Ray Calibration Report

Serial Number: 111211
Tool Model: Probe
Performed: Fri Nov 08 12:58:35 2013

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: 130.592 ft

Master Calibration, performed Thu May 08 15:51:20 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	2.173	2.000	81.196	36.581	1.716
CAL	0.739	0.414				
5'	0.007	2.138	2.000	81.196	37.164	1.745
SUM						
S1	0.007	2.156	0.000	95.000	44.213	-0.323
S2	0.005	2.205	0.000	95.000	43.182	-0.209
S3	0.008	2.185	0.000	95.000	43.626	-0.337
S4	0.006	2.166	0.000	95.000	43.975	-0.271
S5	0.008	2.153	0.000	95.000	44.296	-0.376
S6	0.008	2.130	0.000	95.000	44.756	-0.349
S7	0.007	2.158	0.000	95.000	44.165	-0.299
S8	0.007	2.178	0.000	95.000	43.753	-0.312

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	0.739	0.414	1.000	0.000

Air Zero Calibration, performed Thu May 08 15:48:13 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

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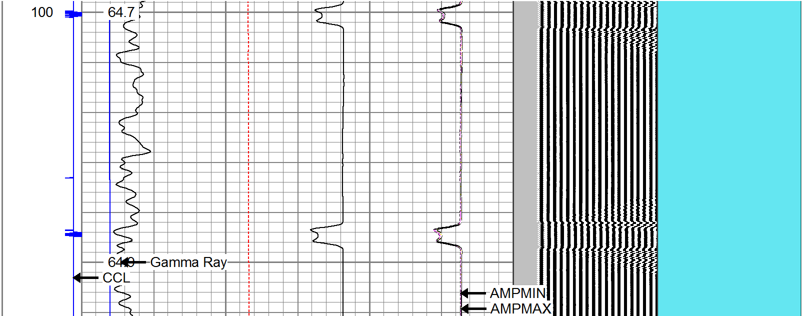
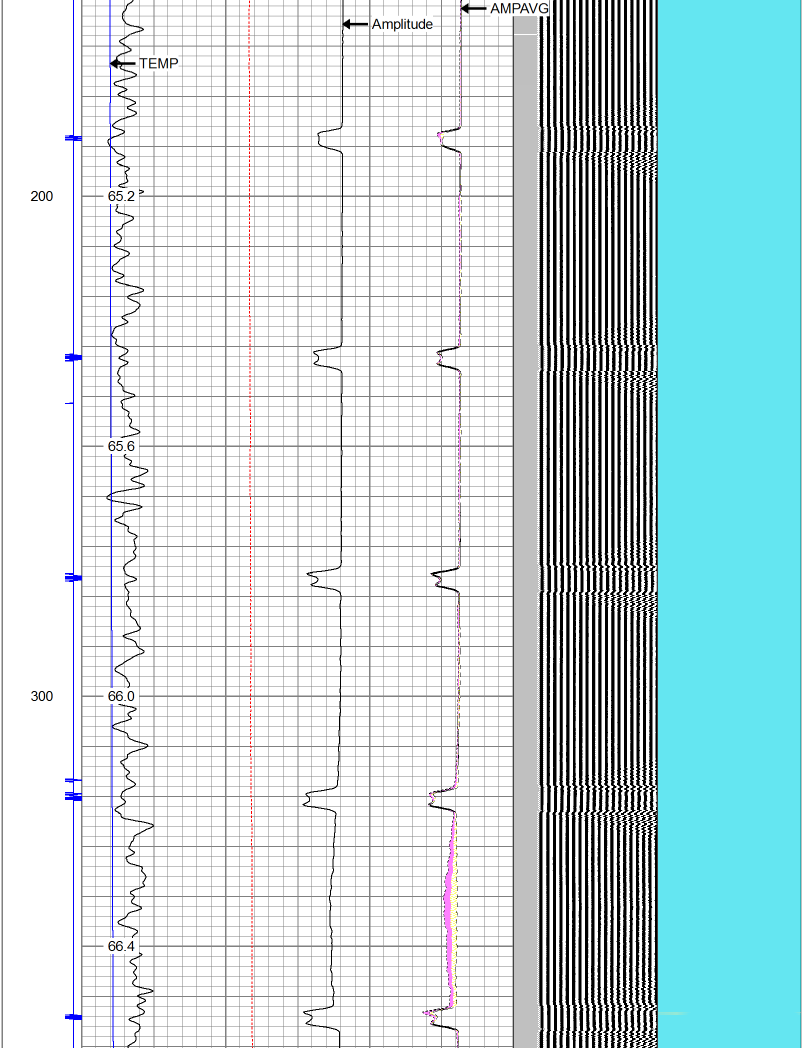
MAIN LOG PASS

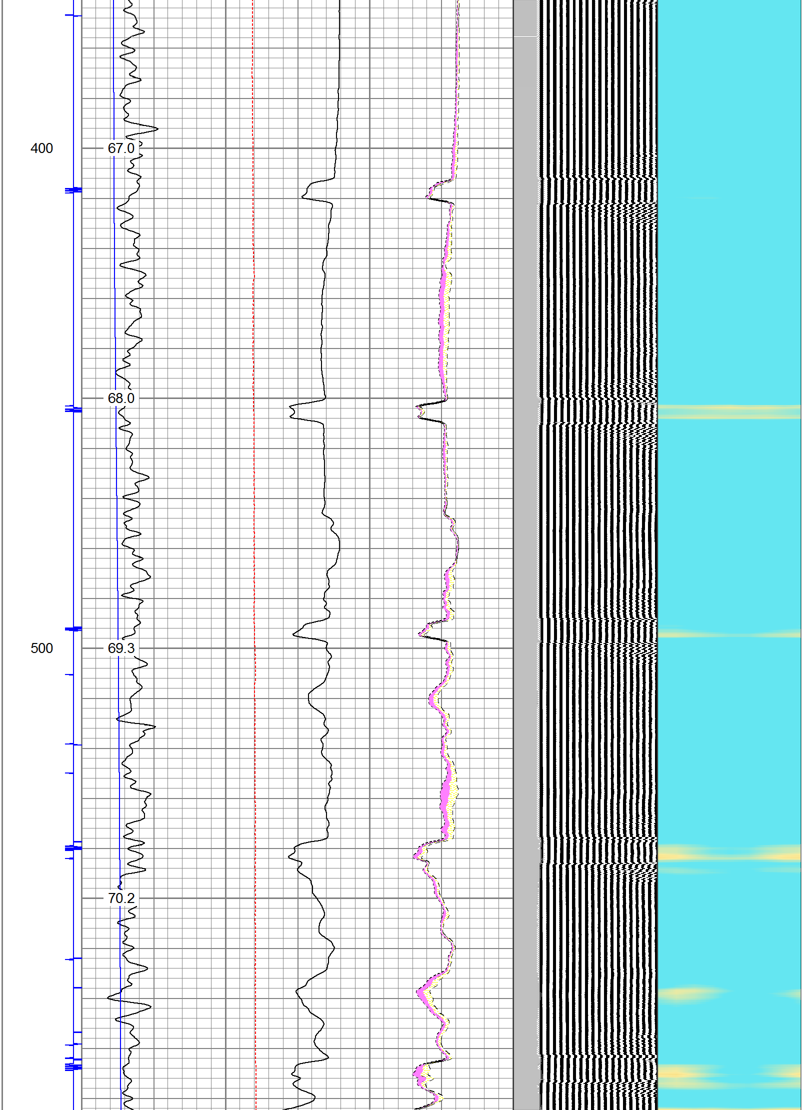
5" = 100'

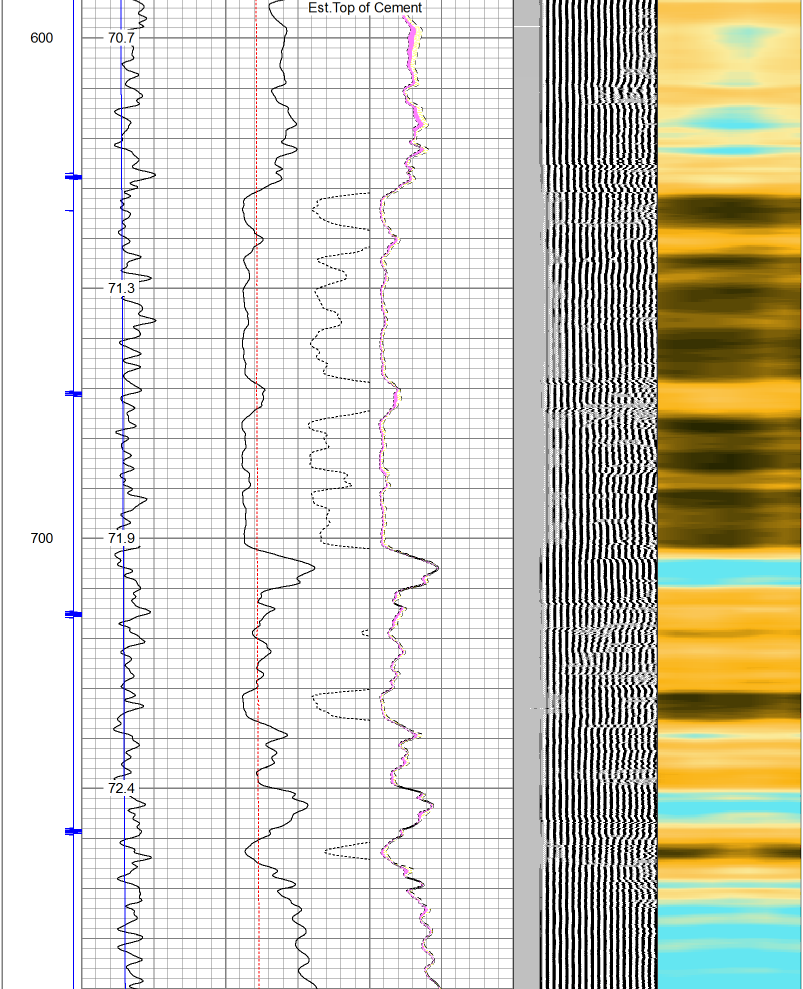
Database File:	kerr_mcgee_newby_25-33_rcbl.db
Dataset Pathname:	pass2
Presentation Format:	scbl02
Dataset Creation:	Thu May 08 15:59:03 2014 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

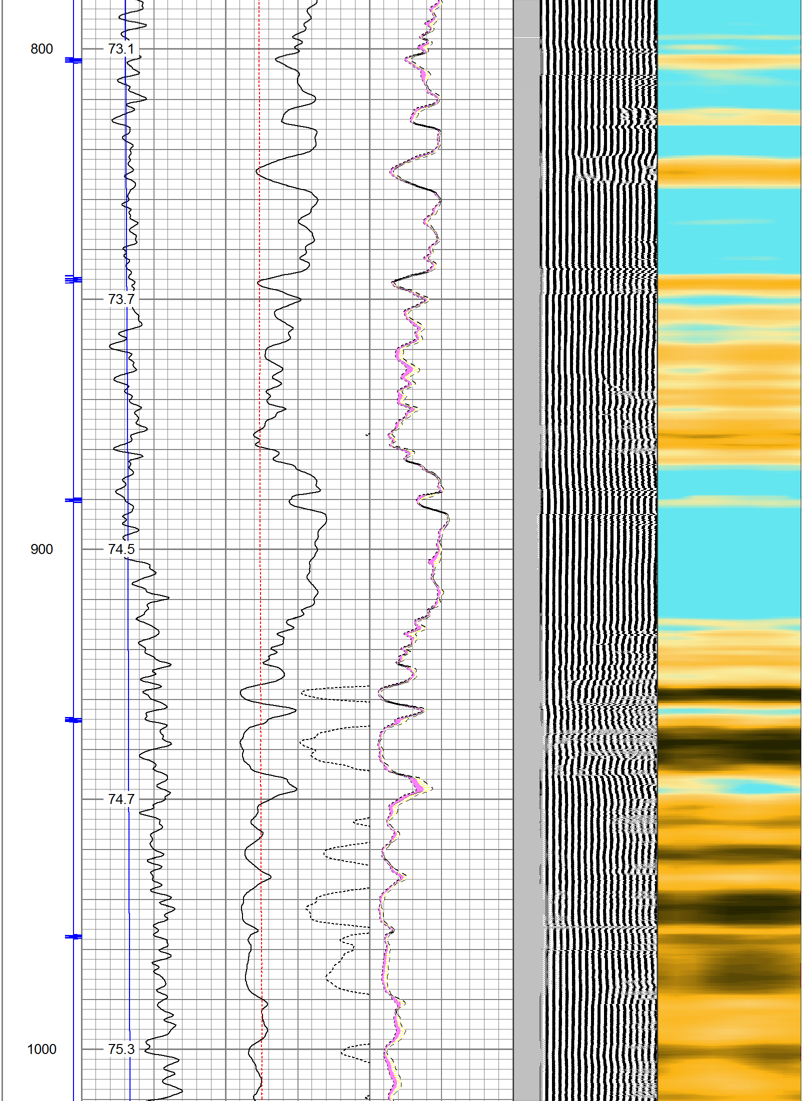
9 CCL -1	Gamma Ray	0 Amplitude (mV)100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
	0 (GAPI) 200	0 AMPx5 (mV) 20	0 AMPMAX 150		10 60
	50 TEMP (degF) 125	0 LTEN (lb) 1500	0 AMPMIN 150		
	TEMP (degF)				

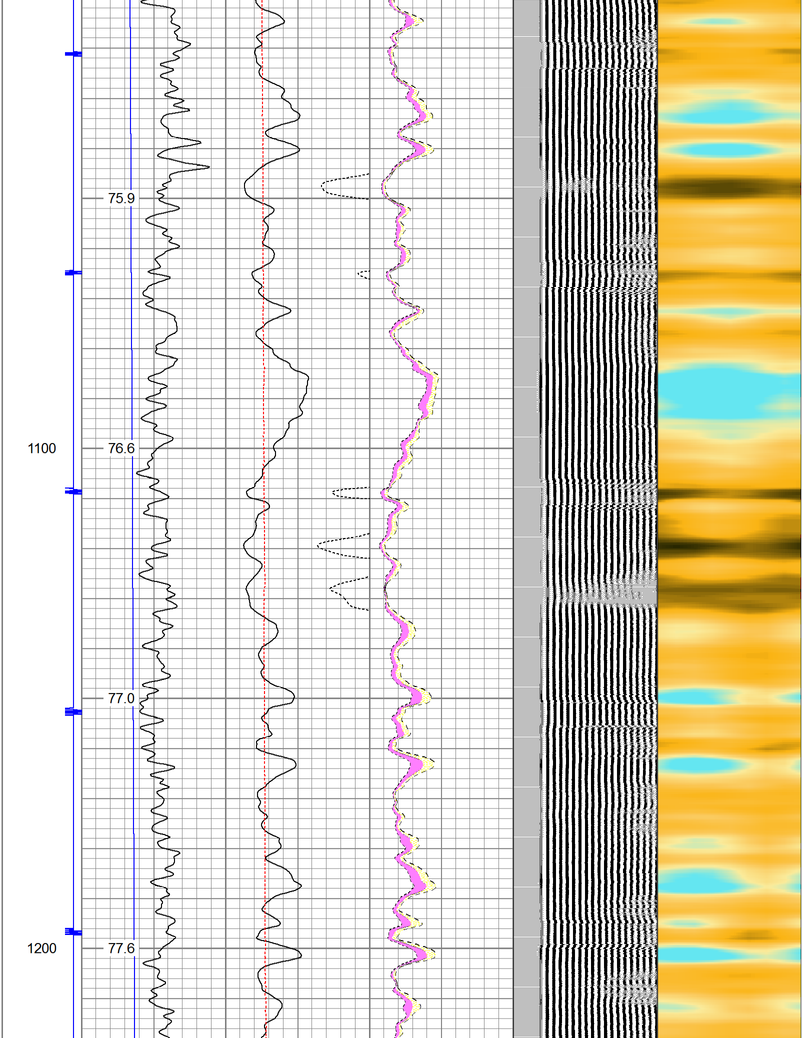


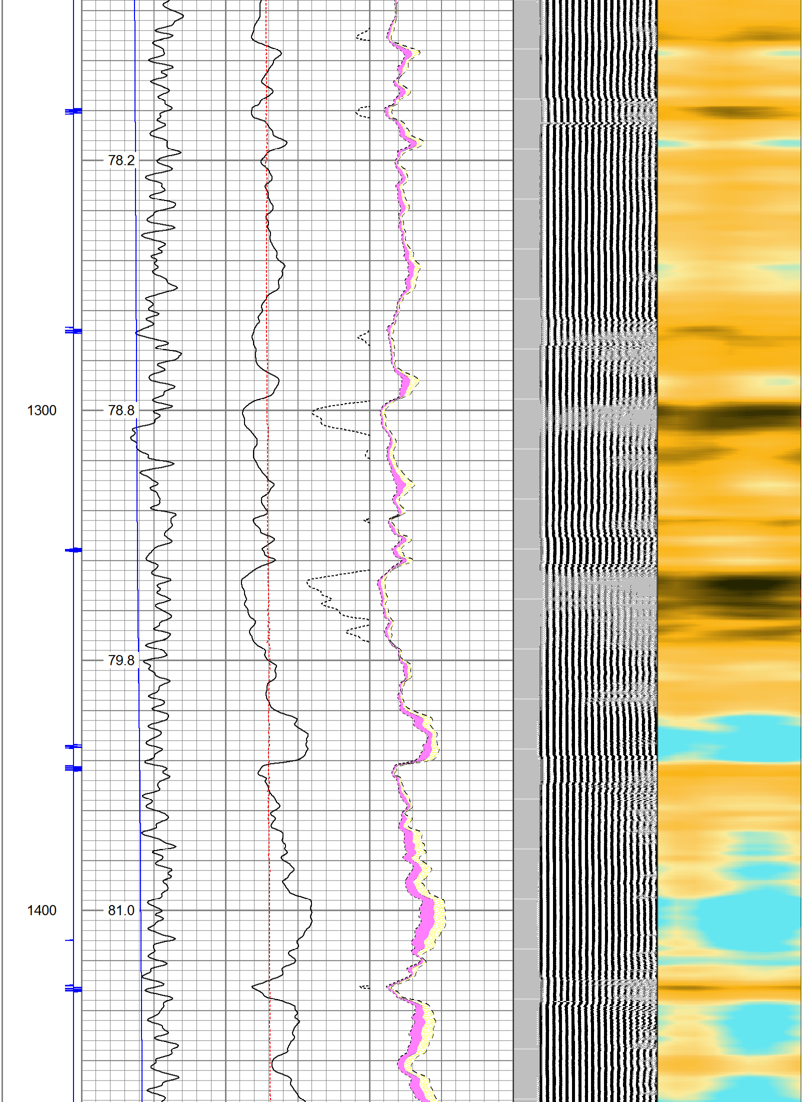


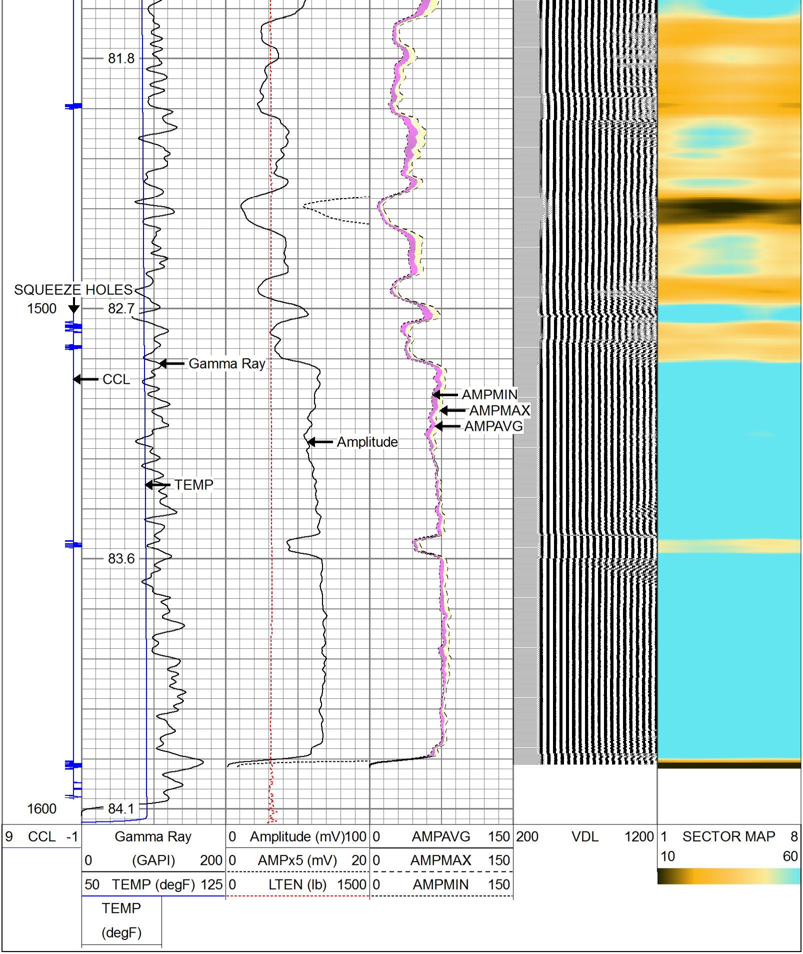












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Company	Anadarko Petroleum Corporation
Well	Newby 25-23
Field	Wattenberg
County	Weld
State	Colorado