PIONEER
Pioneer Energy Services

C.C.L. V.D.L GAMMA RAY SECTOR BOND LOG

Company ANADARKO PETROLEUM CORPORATION
Well SEKICH STATE 9C-17HZ
Field WATTENBERG
County WELD
State COLORADO

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Well SEKICH STATE 9C-17HZ
Field WATTENBERG
County WELD **State** COLORADO
Location: API # : 05-123-39122-0000
SHL: 2030' FSL X 380' FWL
SEC 18 TWP 3N RGE 67W

Other Services
XIPE

Permanent Datum	GL	Elevation 4850'	Elevation K.B. 4875' D.F. 4874' G.L. 4850'
Log Measured From	KB		
Drilling Measured From	KB		

Date	MAY 28, 2014
Run Number	ONE
Depth Driller	16,775'
Depth Logger	7322'
Bottom Logged Interval	7310'
Top Log Interval	SURFACE
Open Hole Size	NA
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	216
Estimated Cement Top	NA
Time Well Ready	ROA
Time Logger on Bottom	9:28
Equipment Number	53
Location	FORT MORGAN
Recorded By	RANDY AZEVEDO
Witnessed By	TREVOR DANIELS

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8"	36#	SURFACE	1235'
Prot. String				
Production String	7"	26#	SURFACE	7639'
Liner	4.5"	11.6#	6554'	16,775'

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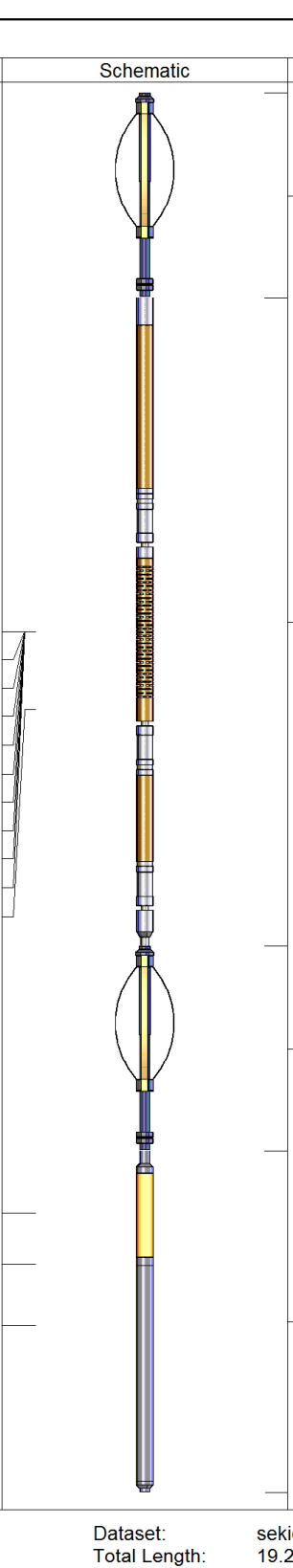
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

LOG MEASURED FROM RIG KB
WCR 32 & WCR 13, E 1/10, N 4/10
LOG RAN UNDER 2600#
THANK YOU FOR USING PIONEER ENERGY SERVICES.
SO#2-205054



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.86 11.86 11.86 11.86 11.86 11.86 11.86 11.86 11.86 11.86 10.78	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		PTS275	2.83	2.75	
CCL TEMP GR	3.84 3.14 2.30	GCT-GRCCLTEMP (130608) Probe GCT	4.69	2.75	100.00

Dataset: sekich 9c-17hz rbl.db: field/well/run1/merge1
Total Length: 19.27 ft
Total Weight: 190.00 lb
O.D. 2.75 in

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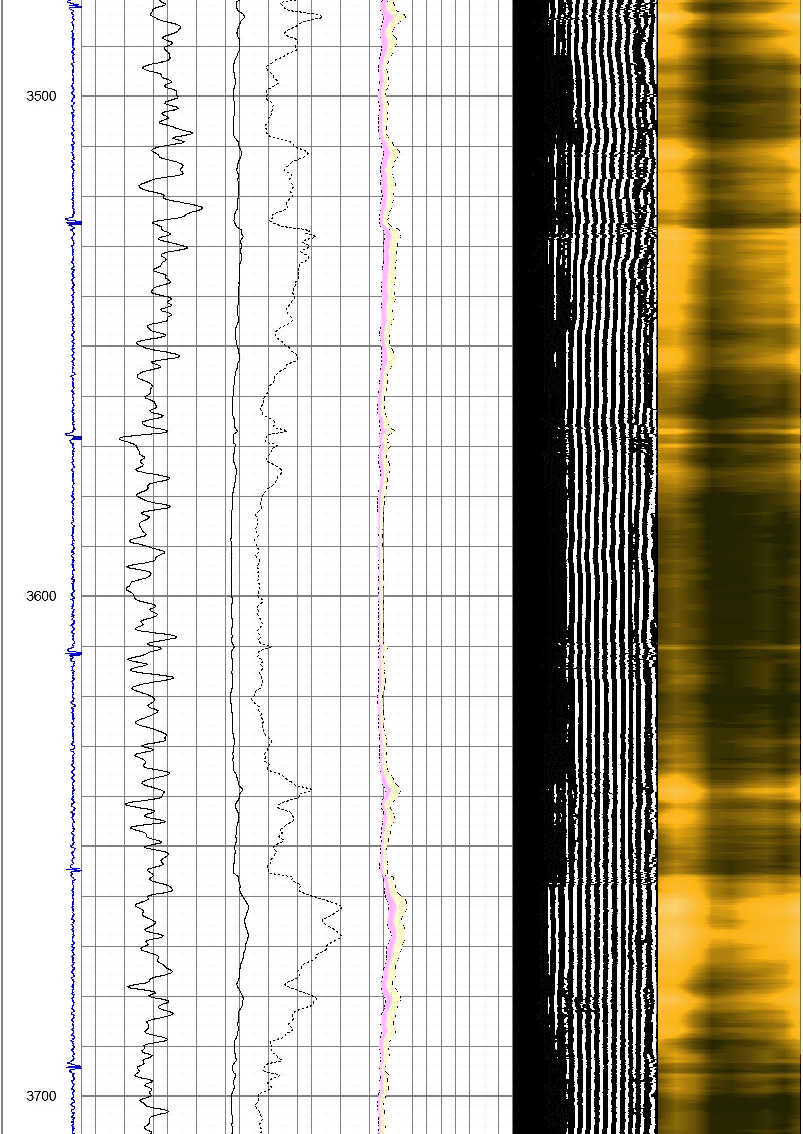
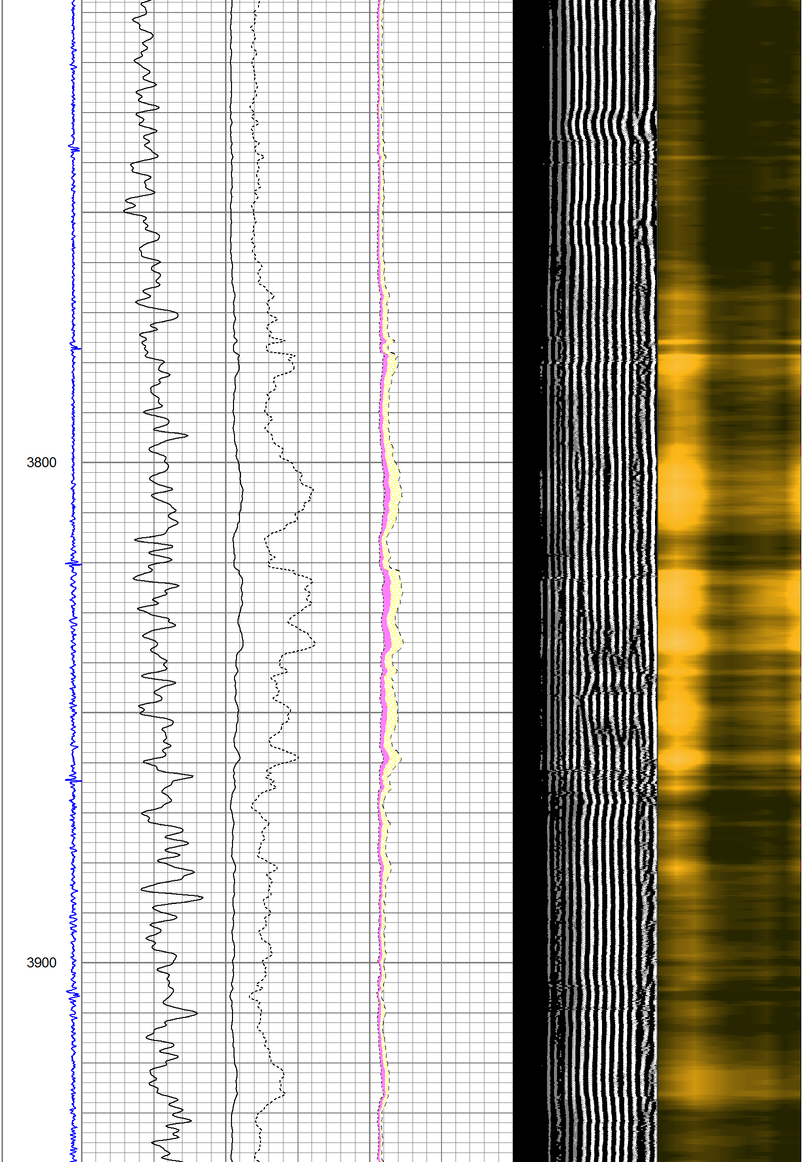
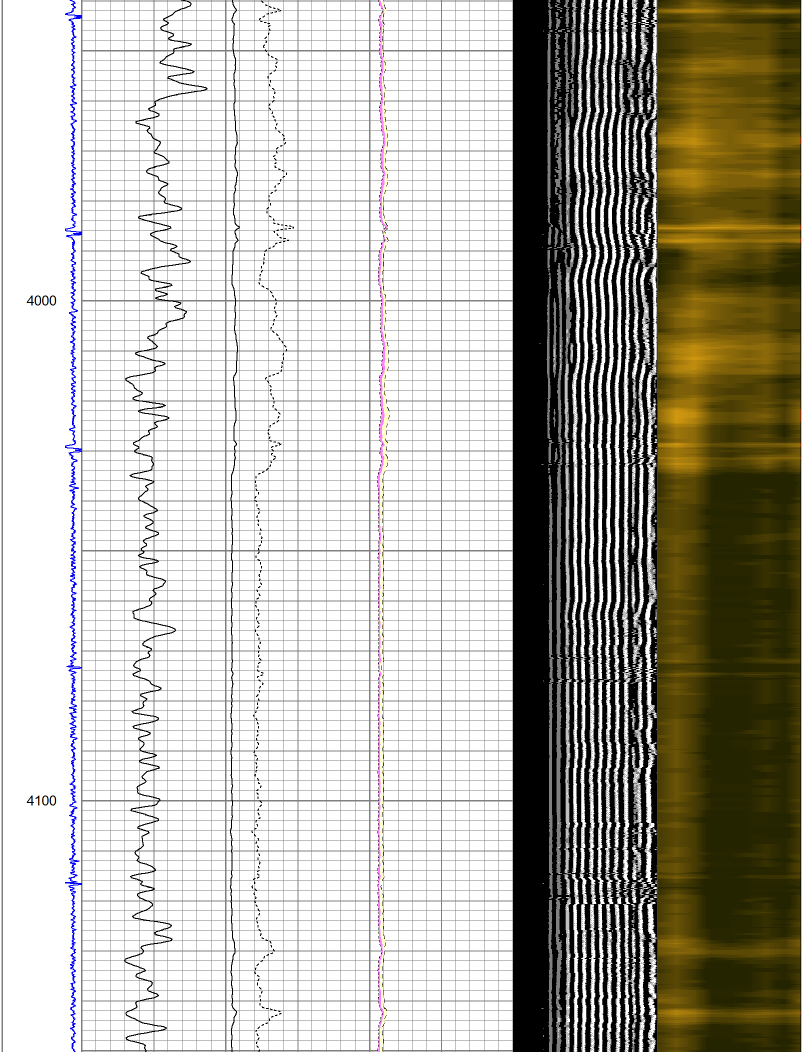
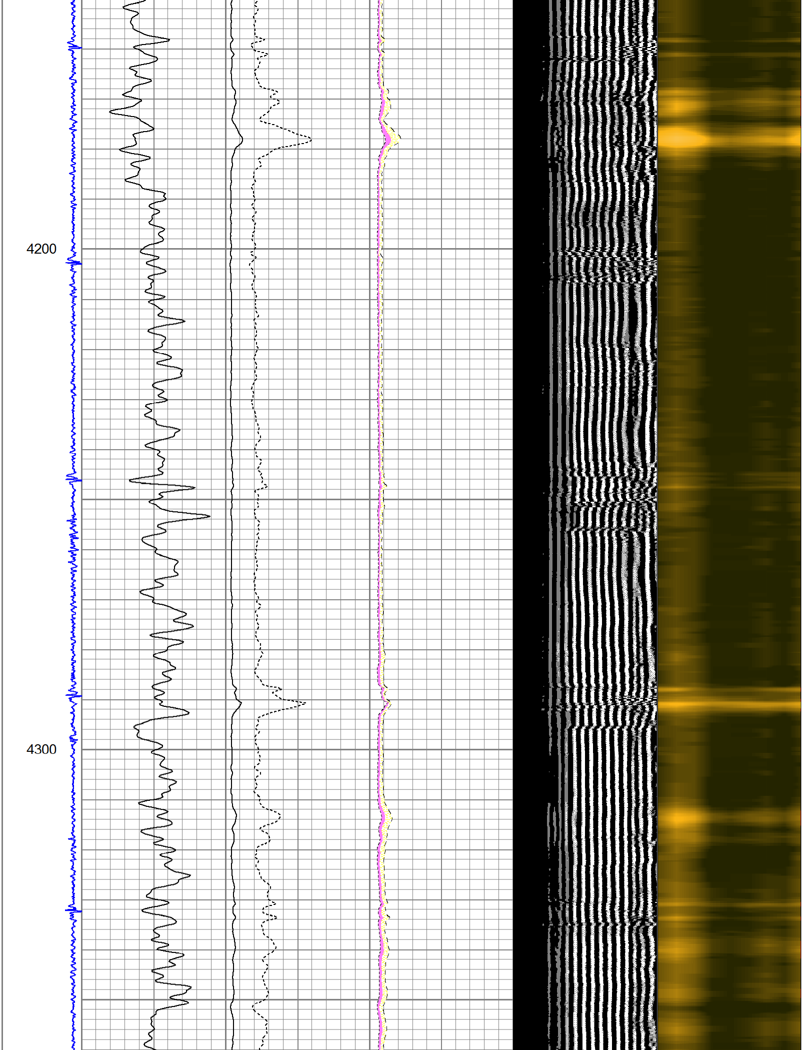
Main Pass Logged with 2800#

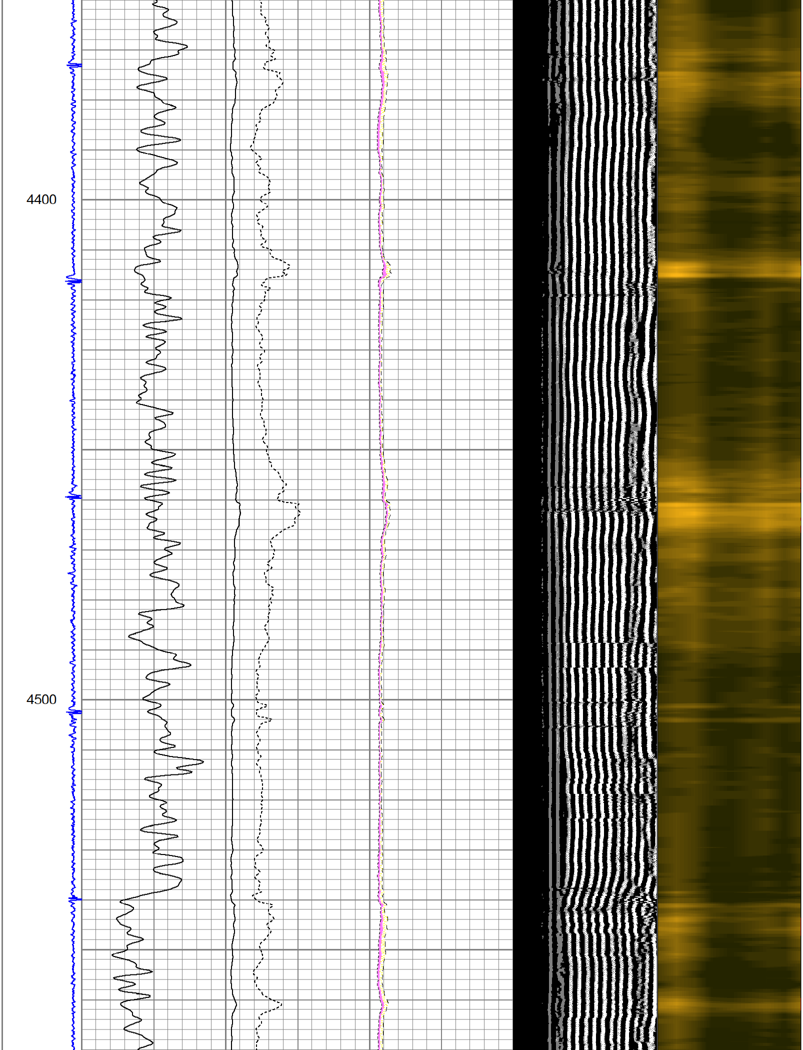
Database File: sekich 9c-17hz rbl.db
Dataset Pathname: merge1
Presentation Format: scbl02
Dataset Creation: Wed May 28 11:19:06 2014
Charted by: Depth in Feet scaled 1:240

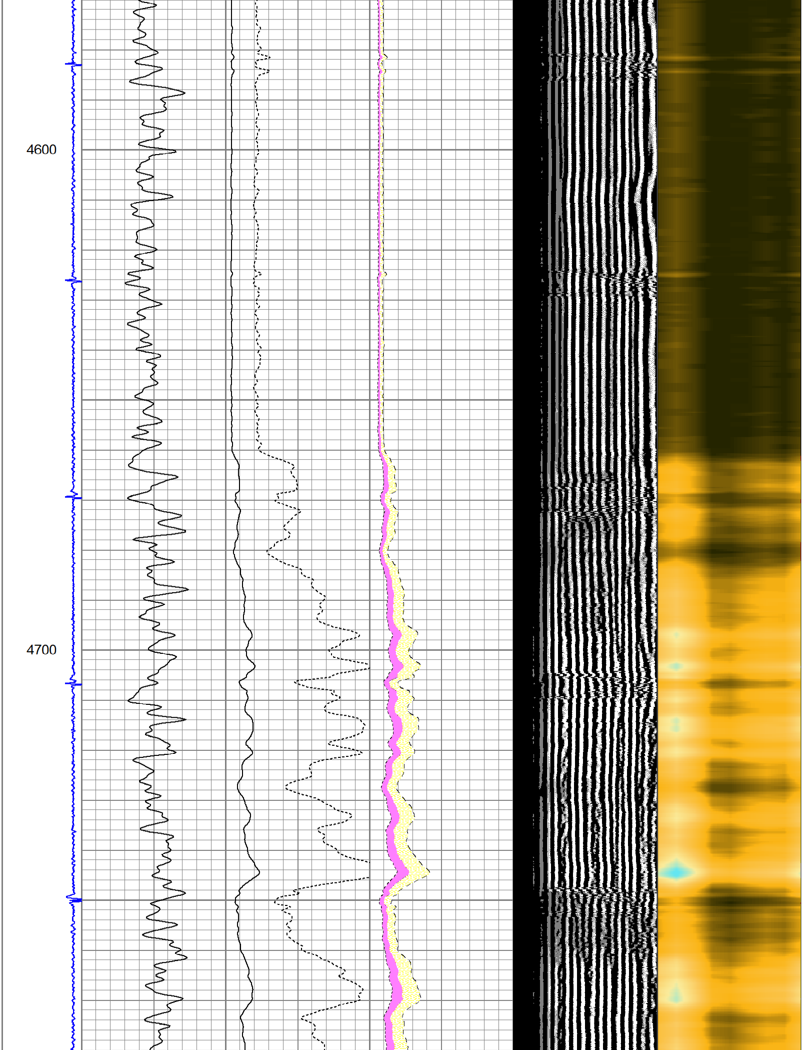


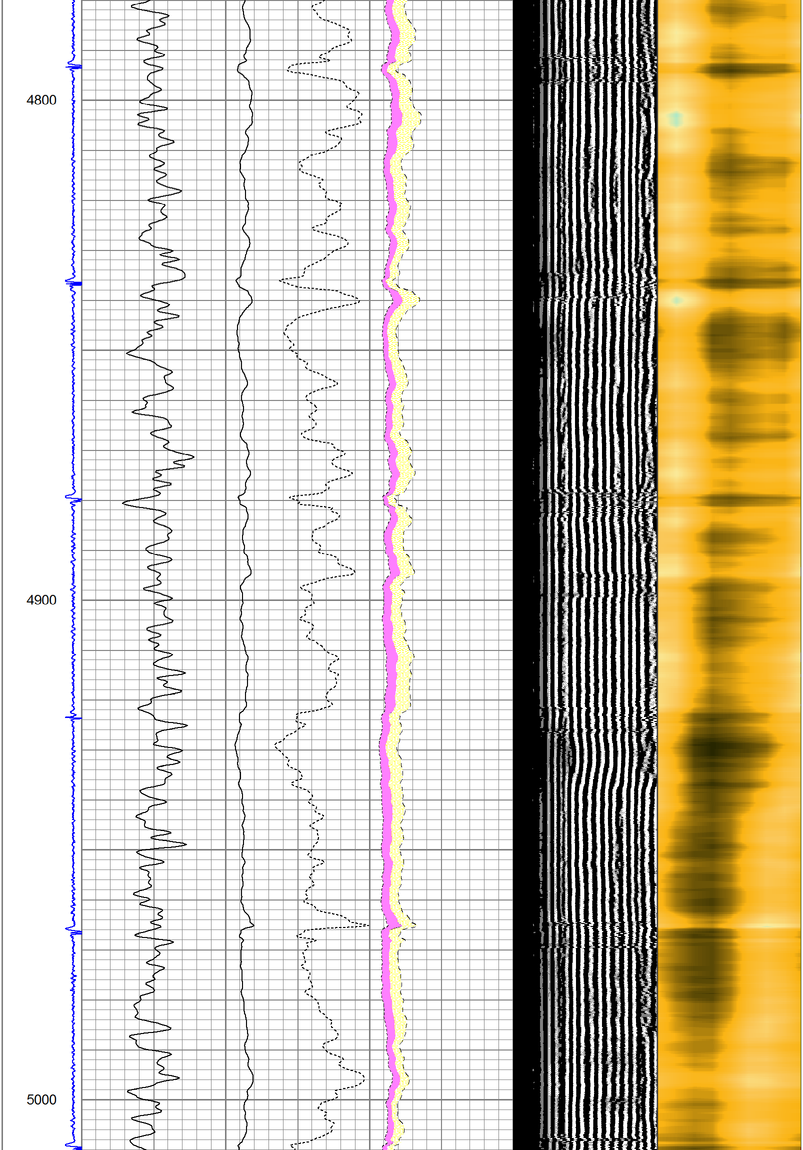


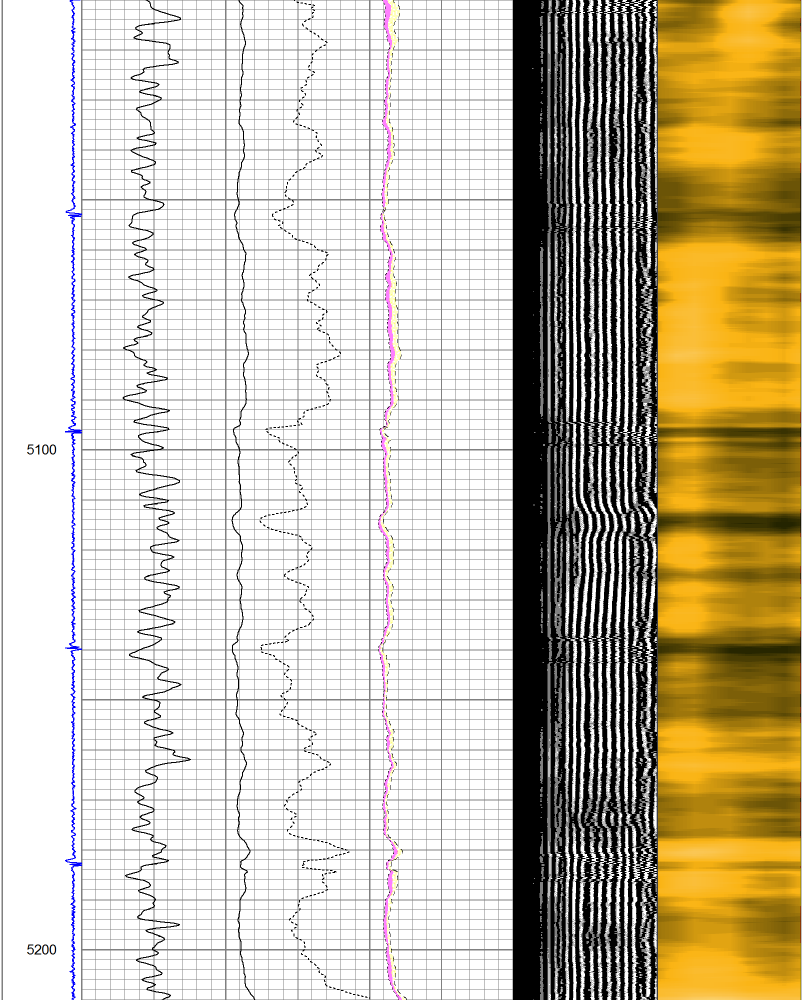


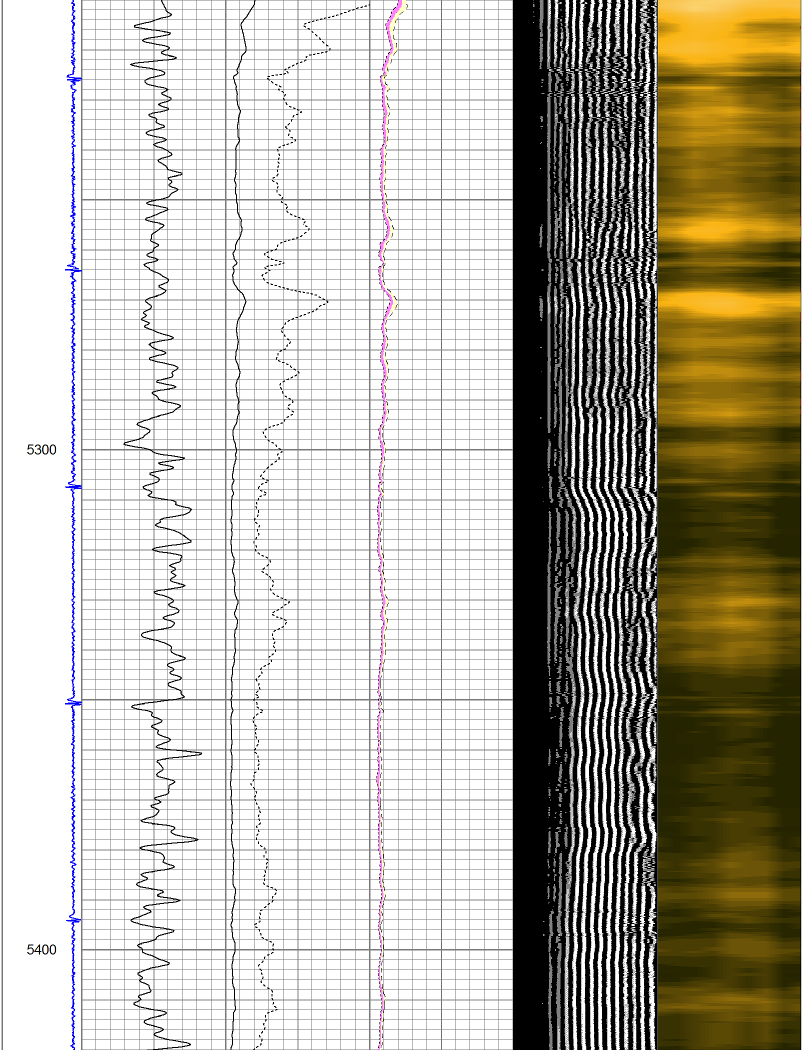


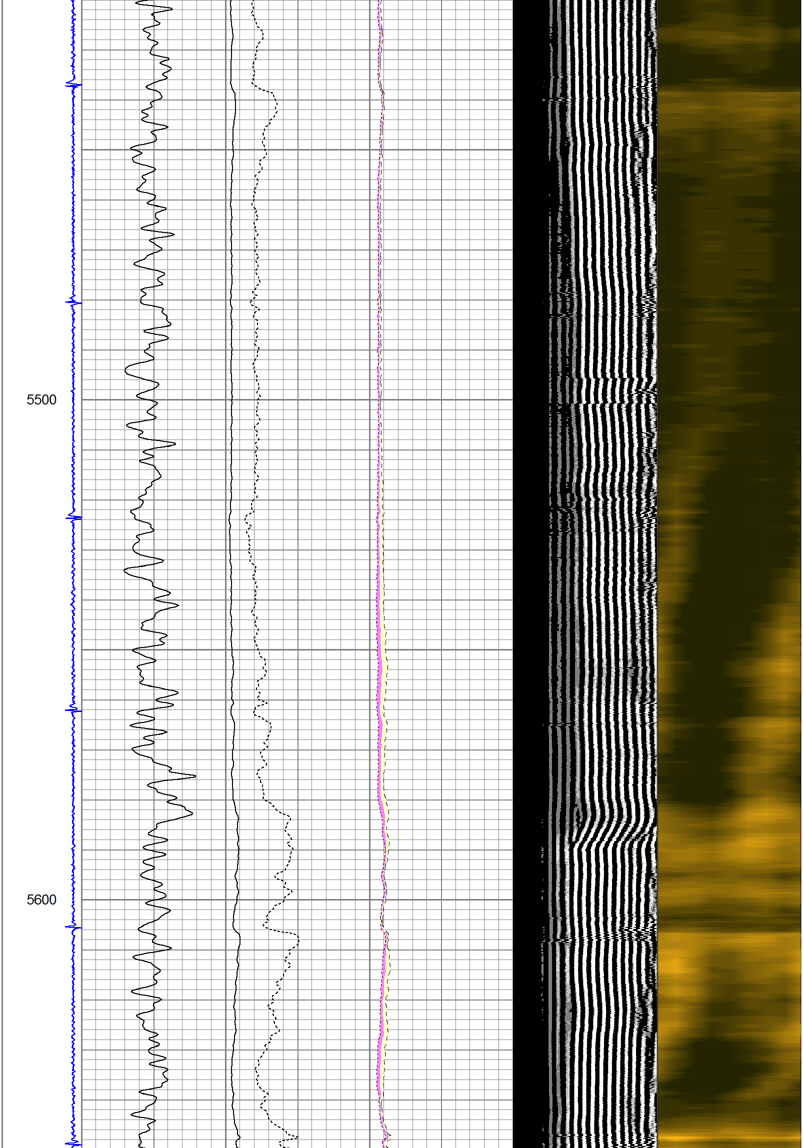


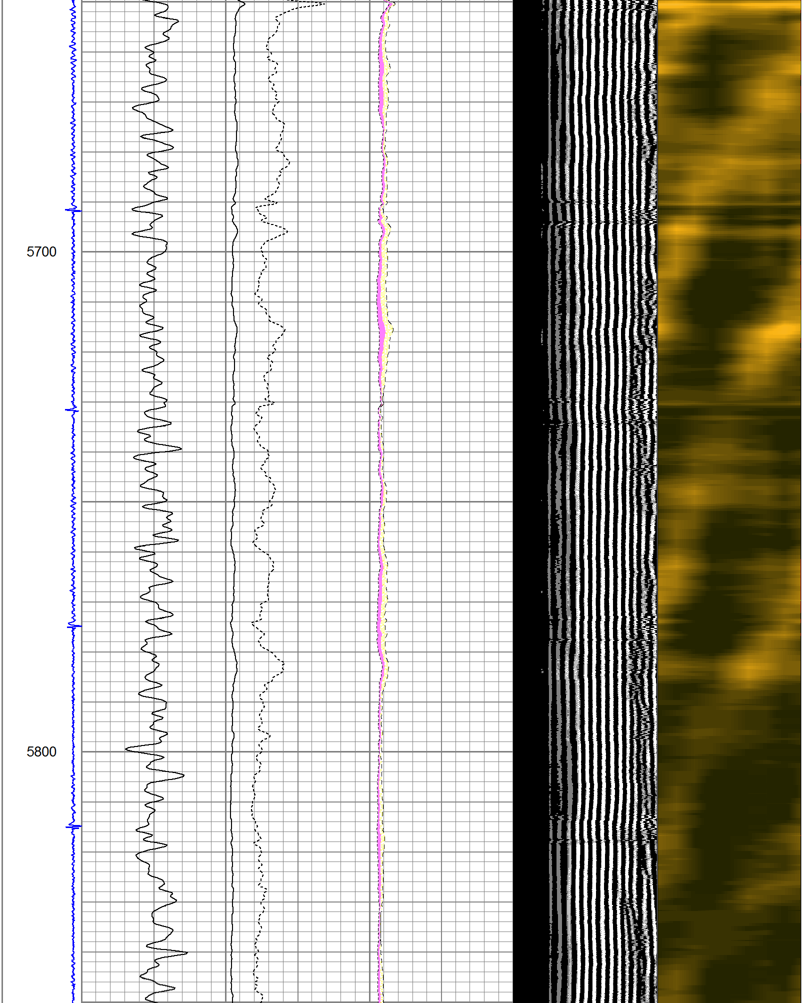


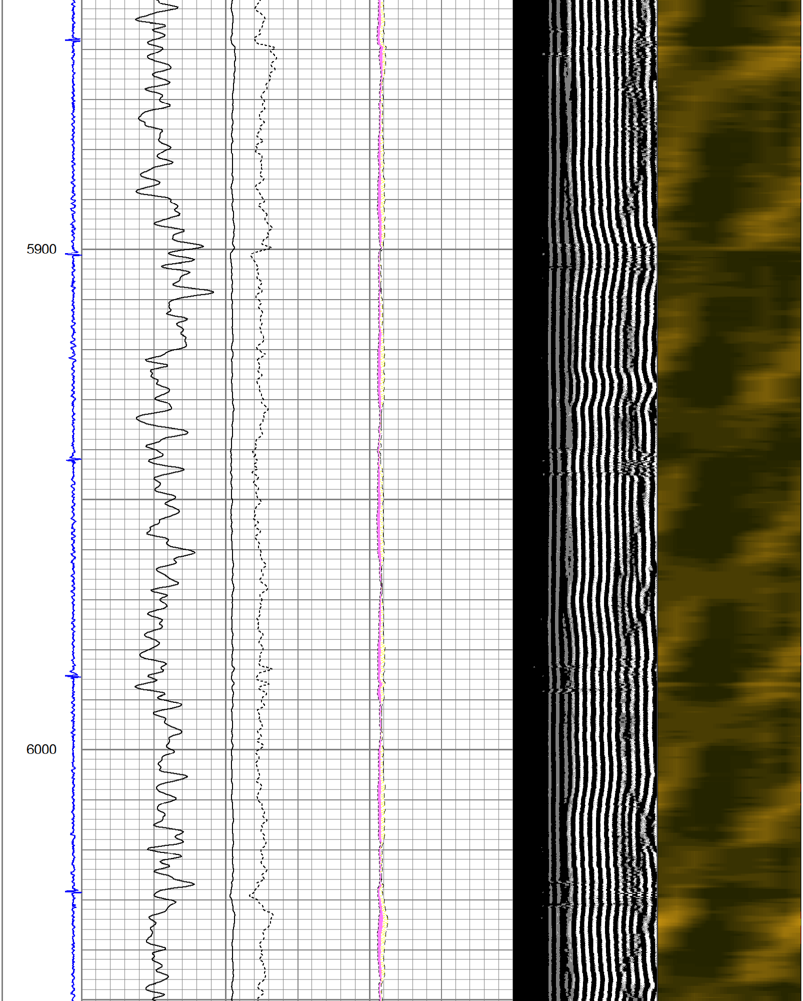


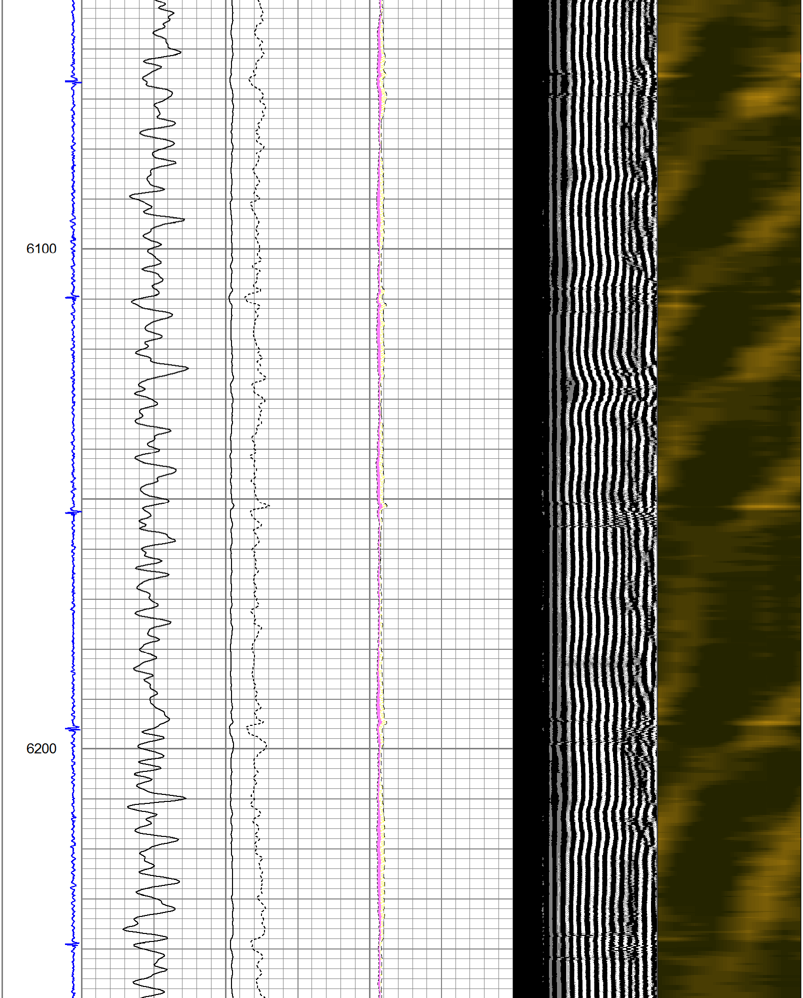


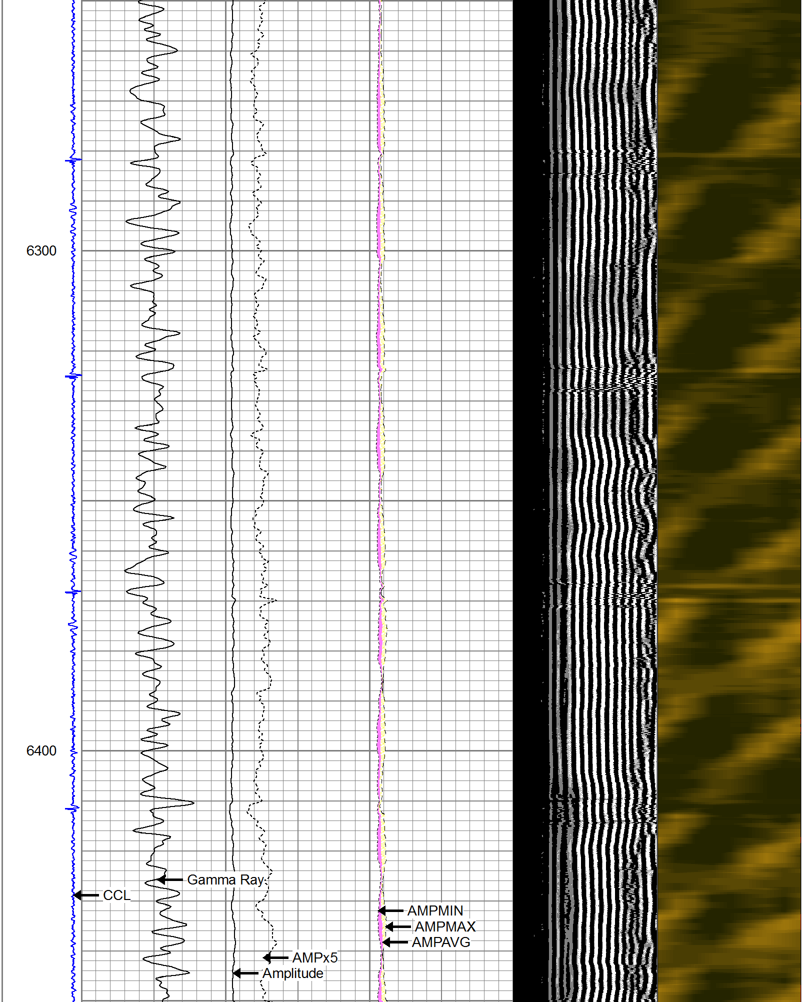


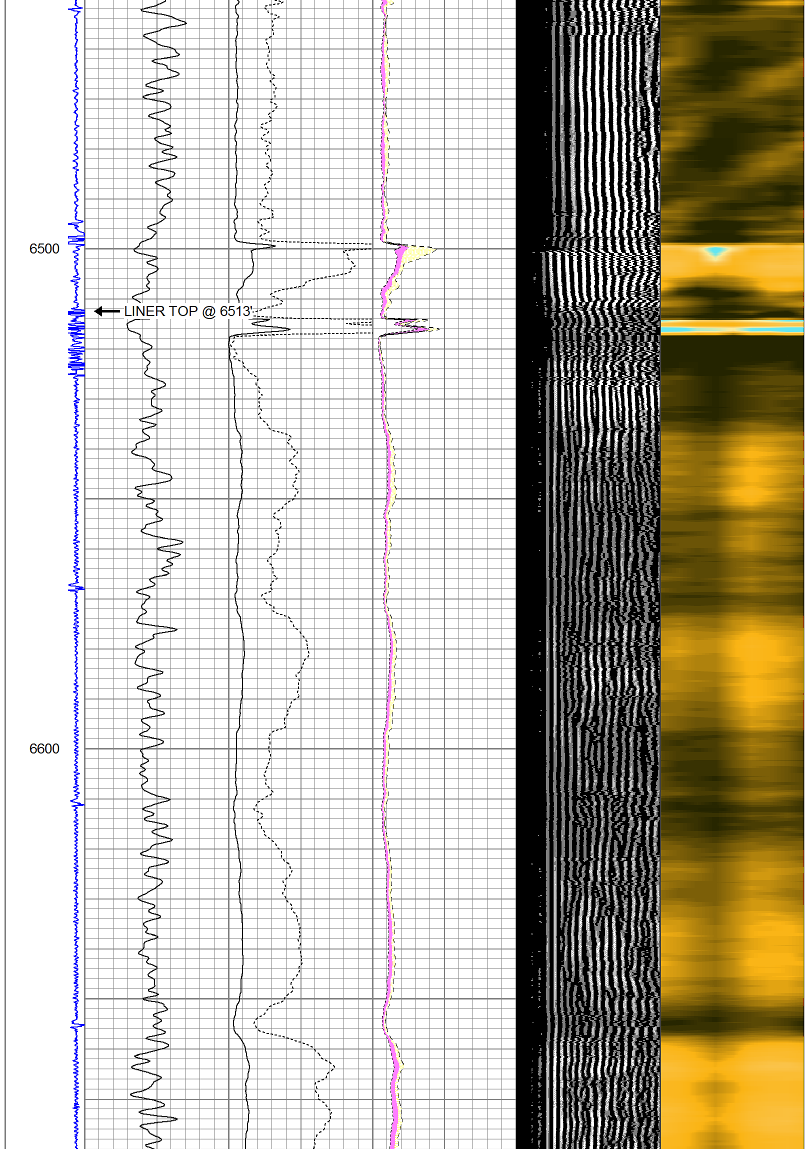


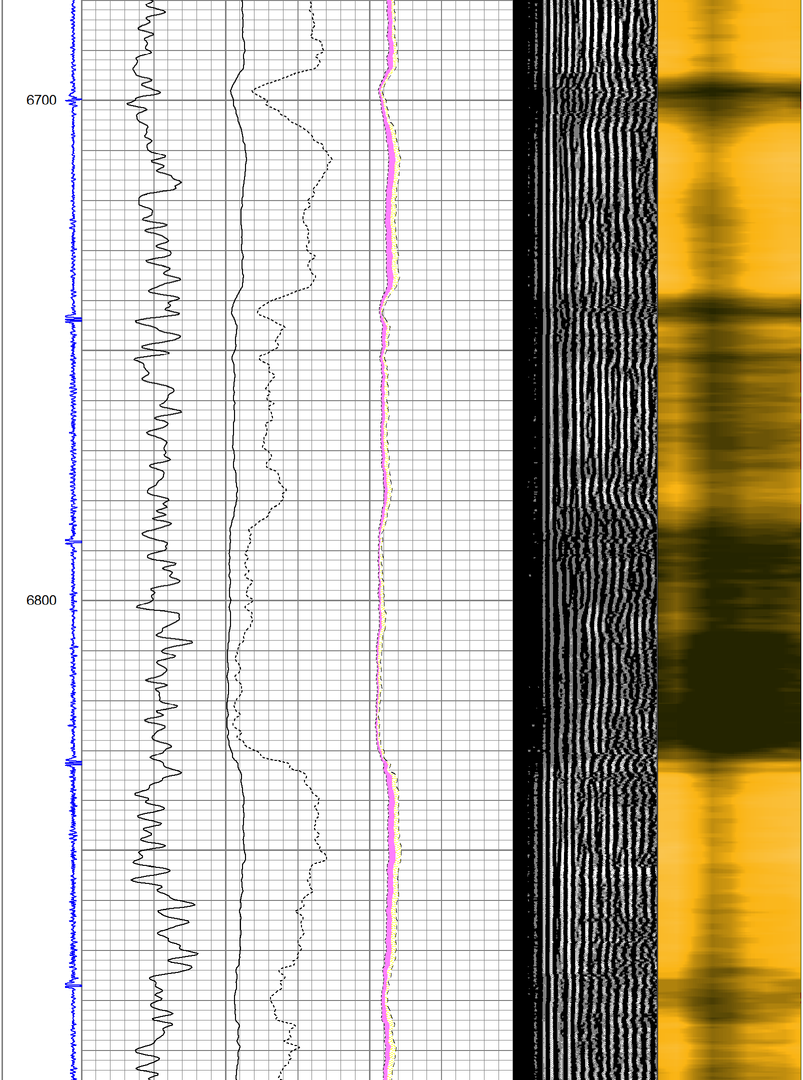


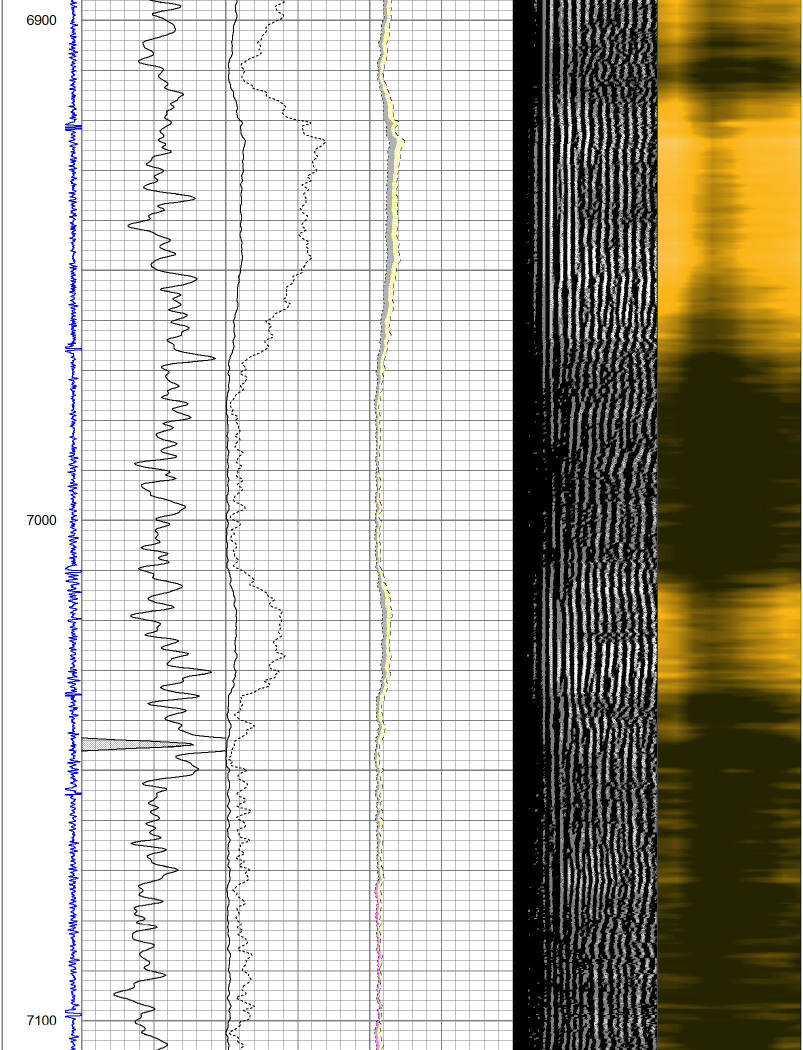


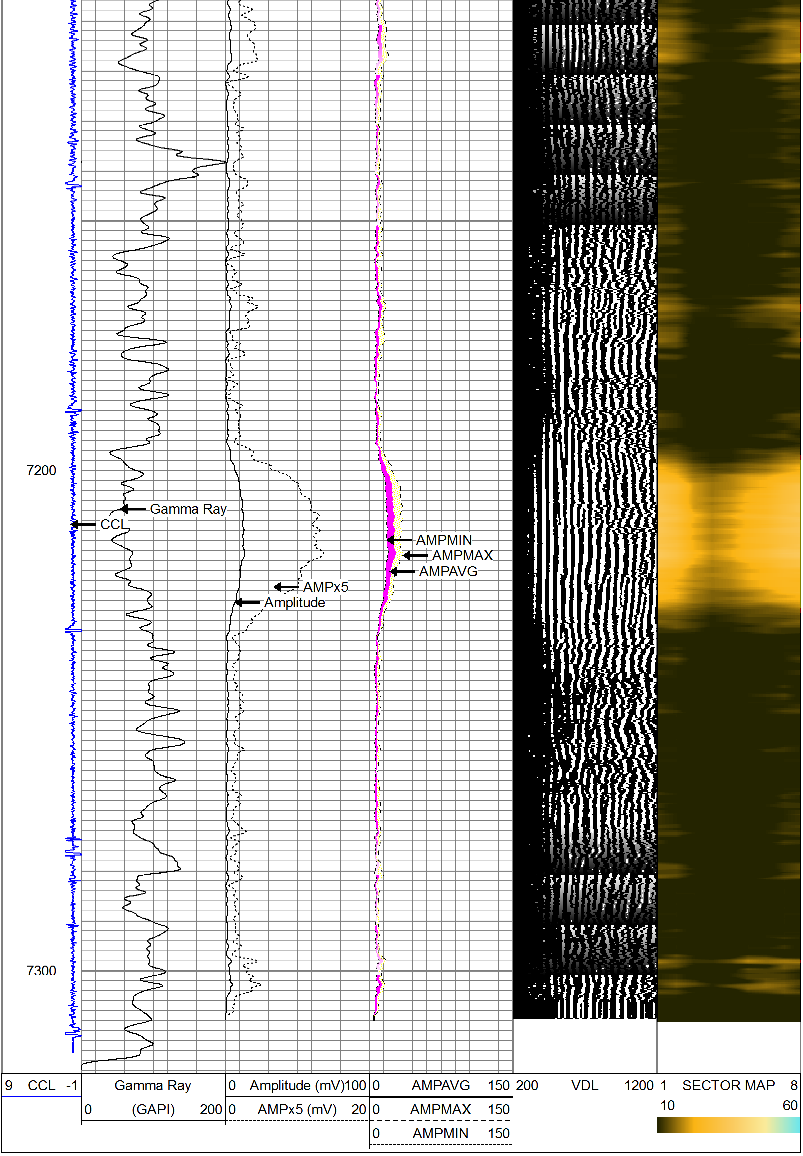












Calibration Report

Database File: sekich 9c-17hz rbl.db
Dataset Pathname: merge1
Dataset Creation: Wed May 28 11:19:06 2014

Gamma Ray Calibration Report

Serial Number:	130608	
Tool Model:	GRCCLTEMP	
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

Temperature Calibration Report

Serial Number: 130608
Tool Model: GRCCLTEMP
Performed: Thu Aug 15 07:56:46 2013

	Reference	Reading
Low Reference:	100.00 degF	6509.65degF
High Reference:	350.00 degF	27350.70degF

Gain: 0.01
Offset: 21.91
Delta Spacing 1

Segmented Cement Bond Log Calibration Report

Serial Number:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	276.408	ft

Master Calibration, performed Wed May 28 09:08:48 2014:

Master Calibration, performed Wed May

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.698	0.000	62.165	89.046	0.000
CAL	0.000	1.204				
5'	0.000	0.576	0.000	62.165	108.017	0.000
SUM						
S1	0.000	0.590	5.000	95.000	152.539	5.000
S2	0.000	0.646	5.000	95.000	139.322	5.000
S3	0.000	0.847	5.000	95.000	106.298	5.000
S4	0.000	0.993	5.000	95.000	90.652	5.000
S5	0.000	0.882	5.000	95.000	102.010	5.000
S6	0.000	0.706	5.000	95.000	127.550	5.000
S7	0.000	0.624	5.000	95.000	144.115	5.000
S8	0.000	0.601	5.000	95.000	149.635	5.000

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	0.000	1.204	1.000	0.000

Air Zero Calibration, performed Tue Mar 25 10:22:15 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