LONE WOLF
Wireline, Inc

CEMENT BOND LOG
GAMMA RAY
CCL

Company	LARAMIE ENERGY, LLC
Well	LL & CC 36-14
Field	PLATEAU
County	MESA
State	COLORADO

Company LARAMIE ENERGY, LLC
Well LL & CC 36-14
Field PLATEAU
County MESA State COLORADO
Location: API #: 05077090630
SURFACE: 2221' FSL & 1712' FEL
BOTTOM: 1311' FSL & 1958' FWL
SEC 36 TWP 09S RGE 95W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 6236 FT
Log Measured From KELLY BUSHING 15 FT
Drilling Measured From KELLY BUSHING

Elevation
K.B. 6251 FT
D.F. 6250 FT
G.L. 6236 FT

Date	21-MAY-07
Run Number	ONE
Depth Driller	6099 FT
Depth Logger	6030 FT
Bottom Logged Interval	6030 FT
Top Log Interval	SURFACE
Open Hole Size	7.875 IN
Type Fluid	WATER
Density / Viscosity	8.3#
Max. Recorded Temp.	192 F
Estimated Cement Top	800 FT
Time Well Ready	ROA
Time Logger on Bottom	13:30
Equipment Number	112
Location	GRAND JCT
Recorded By	B NORRIS
Witnessed By	MR. K. POOLE

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	4.5 IN	11.6#		
Production String				
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

LOG CORRELATED TO HALLIBURTON DUAL SPACED NEUTRON LOG DATED 12-FEB-07

MAX RECORDED TEMP: 192 F

SHORT JOINTS AT:
3737 TO 3758
5062+ TO 5083+

Calibration Report

Database File: ll&cc 36-14.db
Dataset Pathname: merge2
Dataset Creation: Mon May 21 15:34:06 2007

Temperature Calibration Report

Serial Number: 060111
Tool Model: 1.375TEMP
Performed: Sun Feb 12 12:15:02 2006

	Reference	Reading
Low Reference:	0.00 degF	0.00 cps
High Reference:	100.00 degF	1000.00cps

Gain: 0.10
Offset: 0.00
Delta Spacing 1

Gamma Ray Calibration Report

Serial Number: 060108
Tool Model: Probe
Performed: Mon Feb 13 13:57:40 2006

Calibrator Value: 200.0 GAPI

Background Reading: 35.0 cps
Calibrator Reading: 275.0 cps

Sensitivity: 0.8333 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 060113_45
Tool Model: Probe

Calibration Casing Diameter: 4.500 in
Calibration Depth: 486.889 ft

Master Calibration, performed Mon May 21 08:40:31 2007:

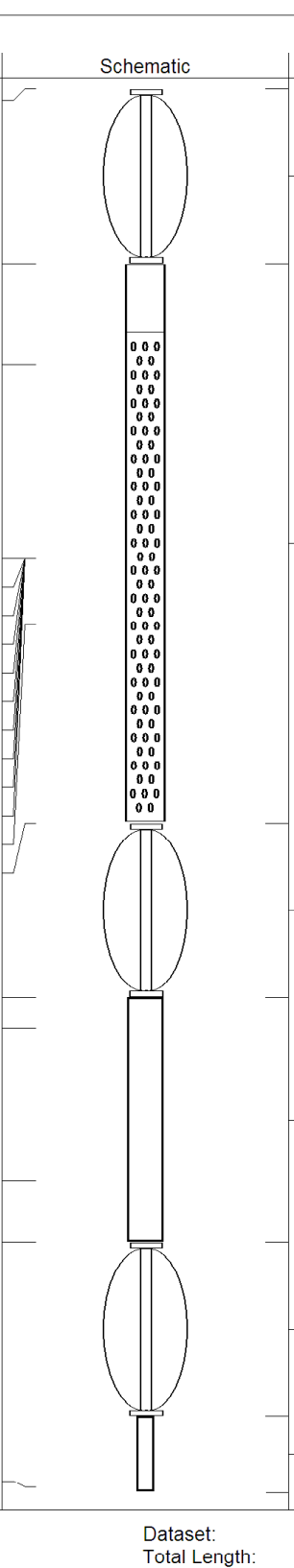
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.010	0.320	1.500	81.196	241.503	3.915
CAL	-0.011	0.470				
5'	-0.009	0.235	1.500	81.196	325.816	4.562
SUM						
S1	-0.011	0.322	0.000	100.000	299.865	3.353
S2	-0.011	0.280	0.000	100.000	343.797	3.806
S3	-0.011	0.217	0.000	100.000	439.155	4.868
S4	-0.011	0.191	0.000	100.000	494.059	5.500
S5	-0.011	0.224	0.000	100.000	425.581	4.608
S6	-0.011	0.293	0.000	100.000	329.340	3.538
S7	-0.010	0.344	0.000	100.000	282.123	2.924
S8	-0.011	0.308	0.000	100.000	313.798	3.363

Internal Reference Calibration, performed Mon Feb 13 14:20:21 2006:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.011	0.470	1.000	0.000

Air Zero Calibration, performed Mon May 21 08.26.57 2007.

	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



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CENT	22.99		Probe	2.86	2.75	40.00
RBT	20.13					
IntTemp	18.47					
WVF3FT	15.30		RBT-Probe (060113_45) Probe Radii Bond Tool with Digital Telemetry	9.17	2.75	90.00
WVFCAL	15.30					
WVFS1	15.30					
WVFS2	15.30					
WVFS3	15.30					
WVFS4	15.30					
WVFS5	15.30					
WVFS6	15.30					
WVFS7	15.30					
WVFS8	15.30					
WVF5FT	14.22					
CENT	10.97		Probe	2.86	2.75	40.00
GR	8.11					
CCL	7.61		GR-Probe (060108) Probe 2.75" 4 Channel Pulse	4.00	2.75	30.00
GR	5.11					
CENT	4.11		Probe	2.86	2.75	40.00
TEMP	0.08		TEMP-1.375TEMP (060111) Temperature Tool	1.25	1.38	30.00

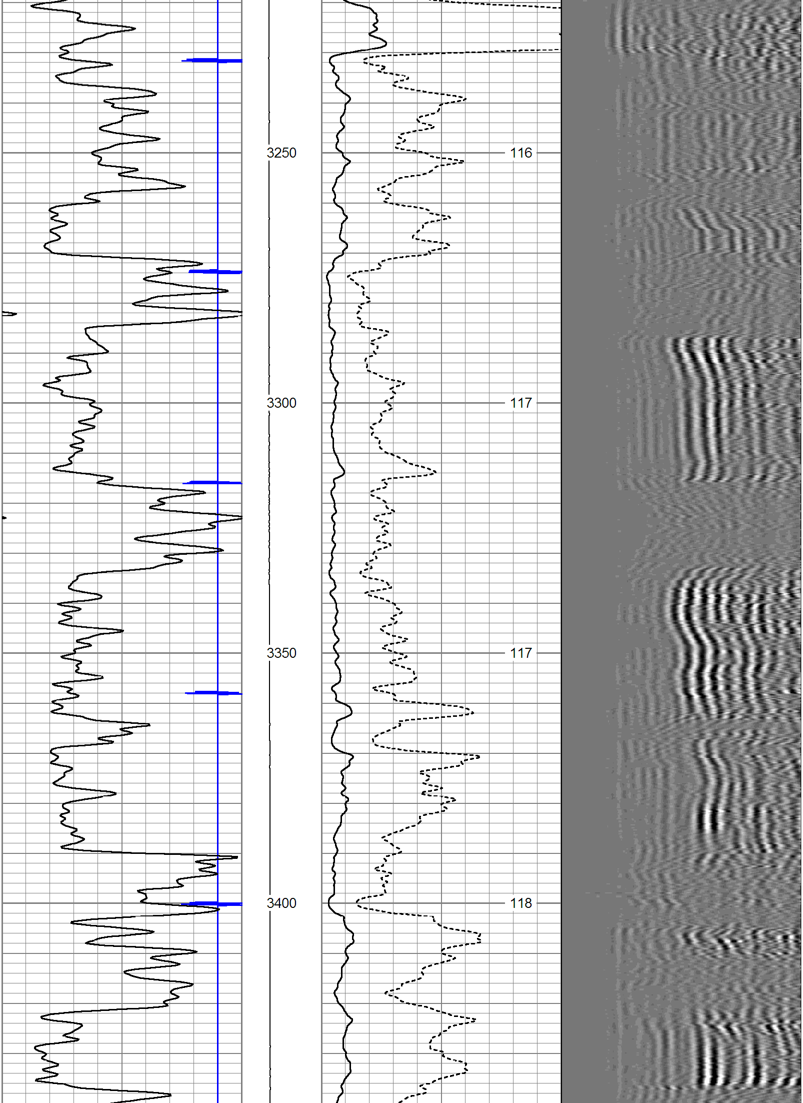
Dataset: /field/well/run/_plots_/_jobs_/job1
Total Length: 22.99 ft
Total Weight: 270.00 lb
O.D. 2.75 in

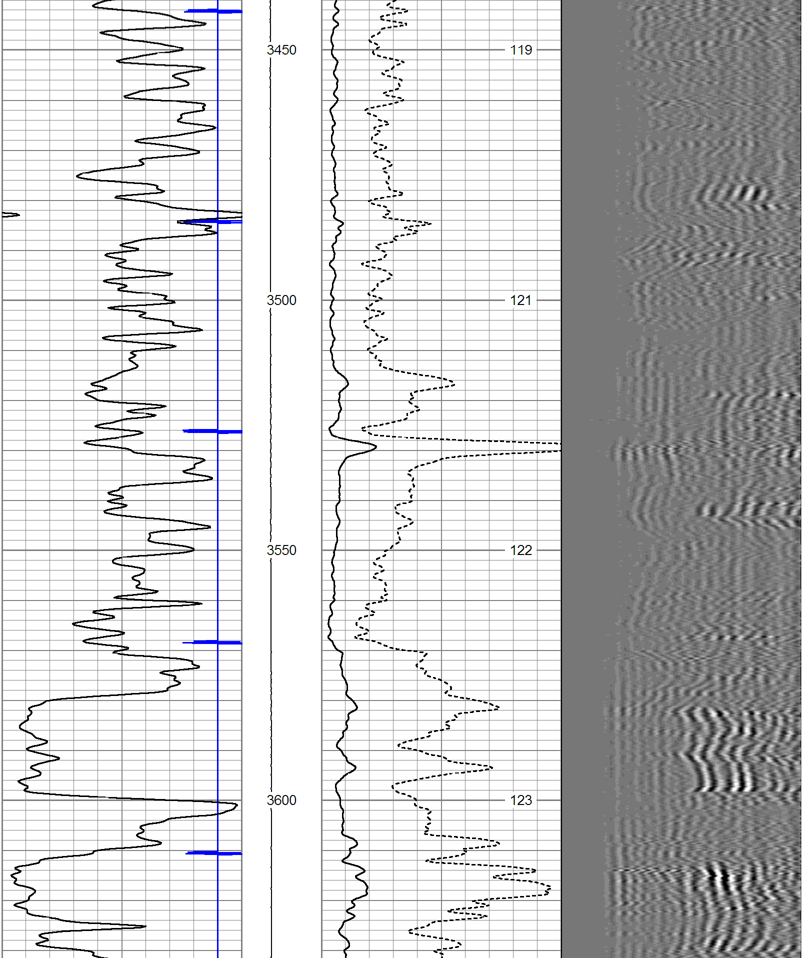
LONE WOLF
Wireline, Inc

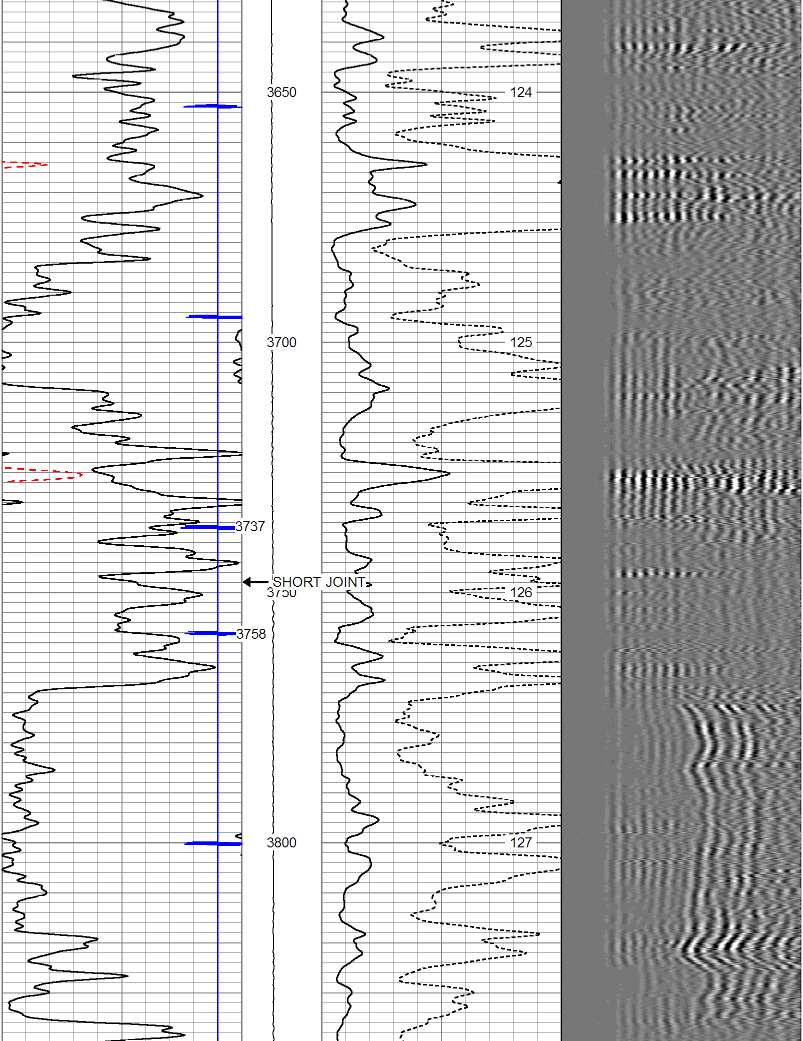
MAIN PASS 0 PSI

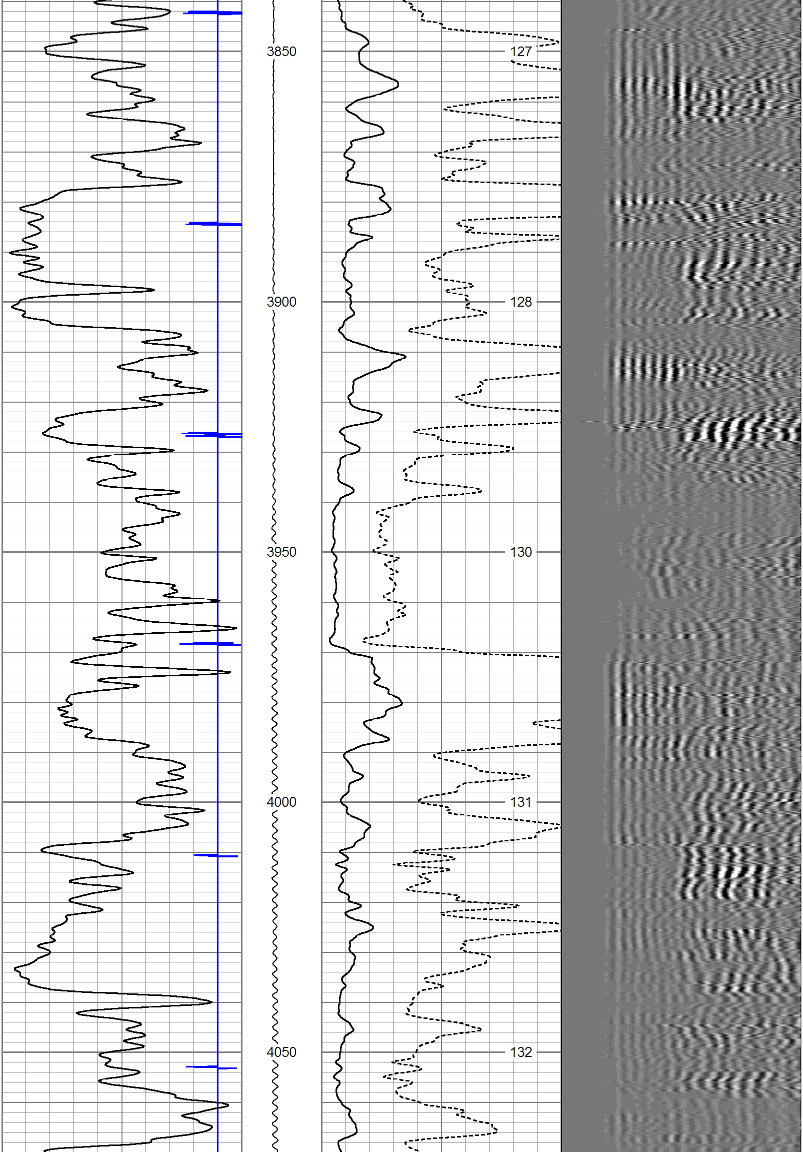
Database File: ll&cc 36-14.db
Dataset Pathname: merge2
Presentation Format: lone_wol
Dataset Creation: Mon May 21 15:34:06 2007
Charted by: Depth in Feet scaled 1:240

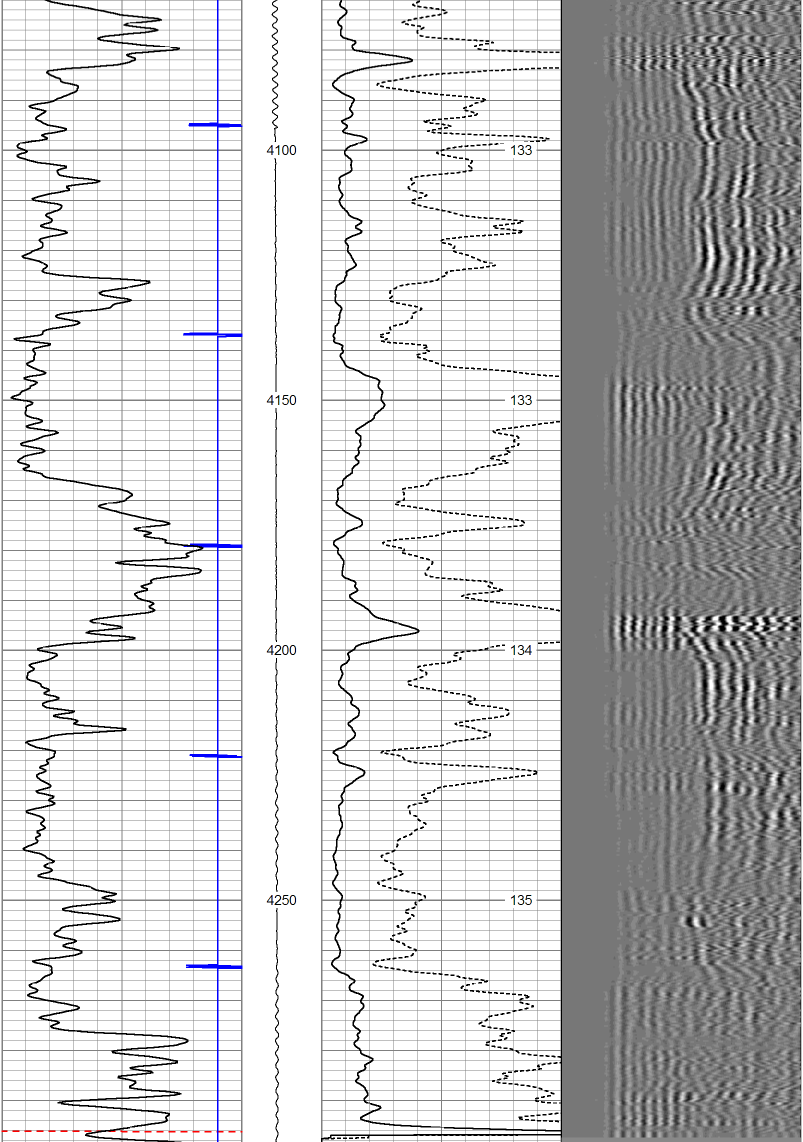
300 Travel Time (usec) 200	LTEN	0 Amplified Amplitude (mV) 20	200 VDL 1200
9 Collar Locator -1	0 (lb 2000	0 Amplitude (mV) 100	
0 Gamma Ray (GAPI) 150			

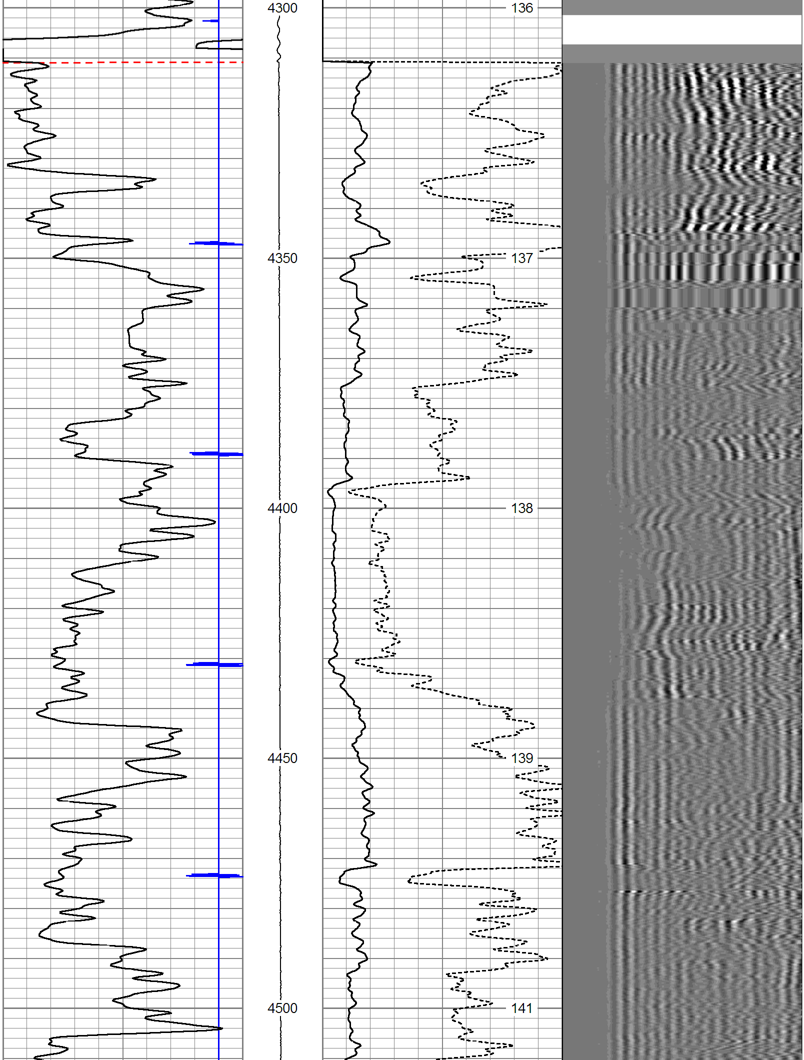


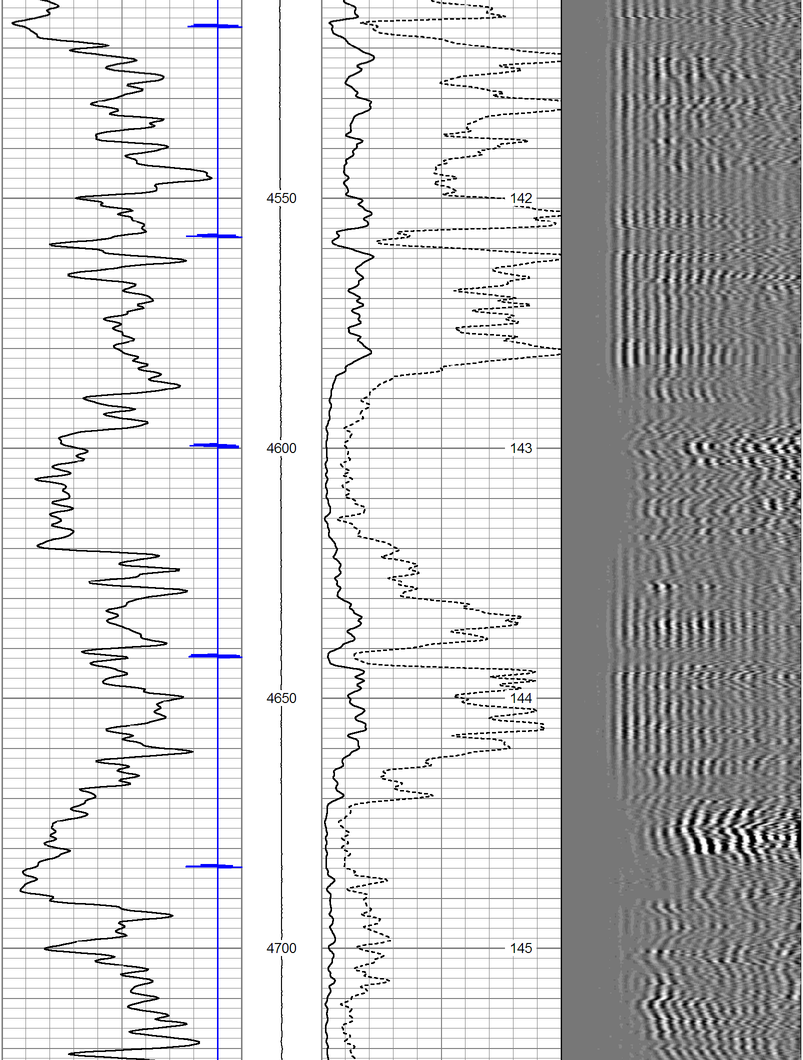


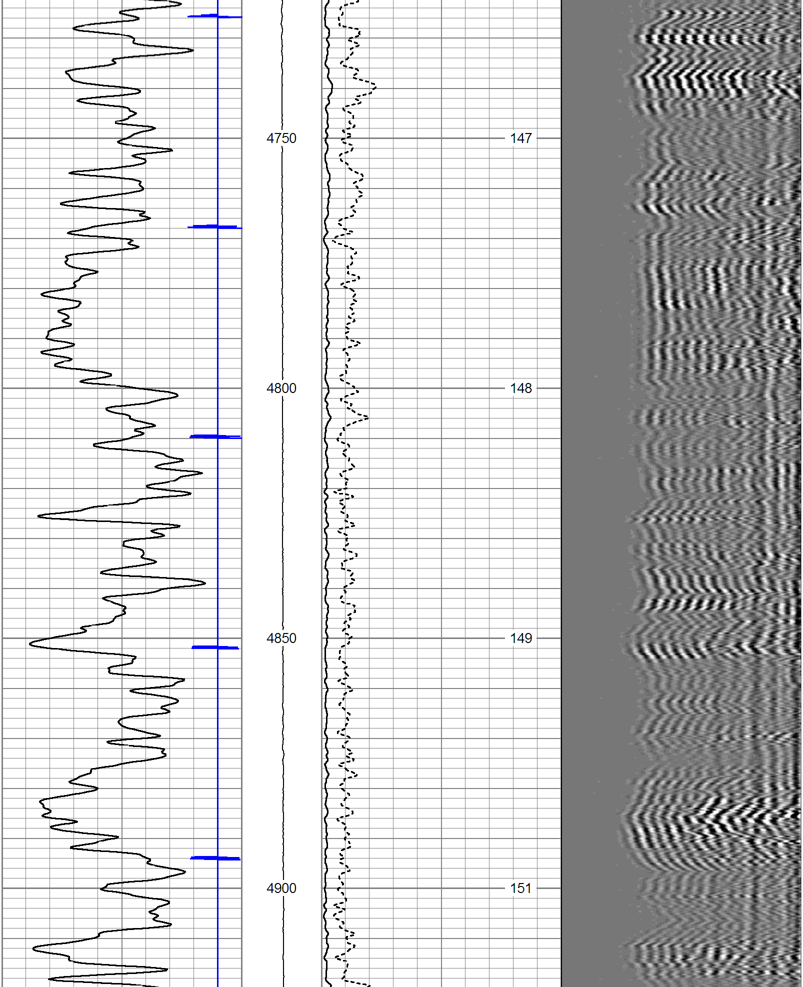


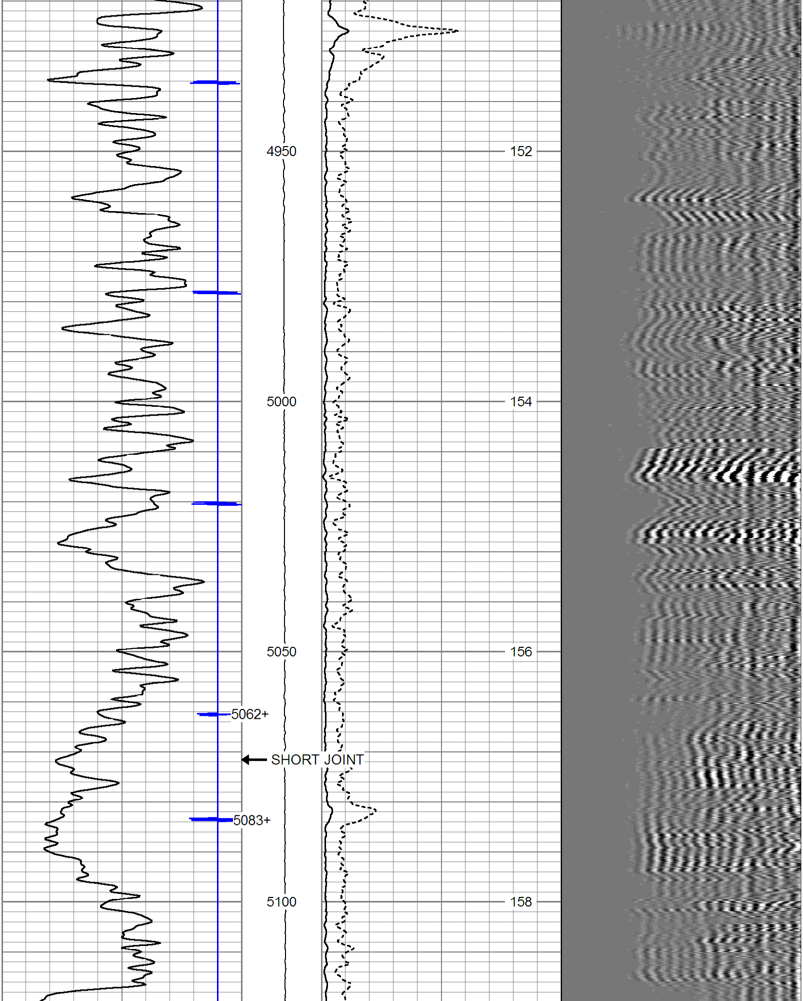


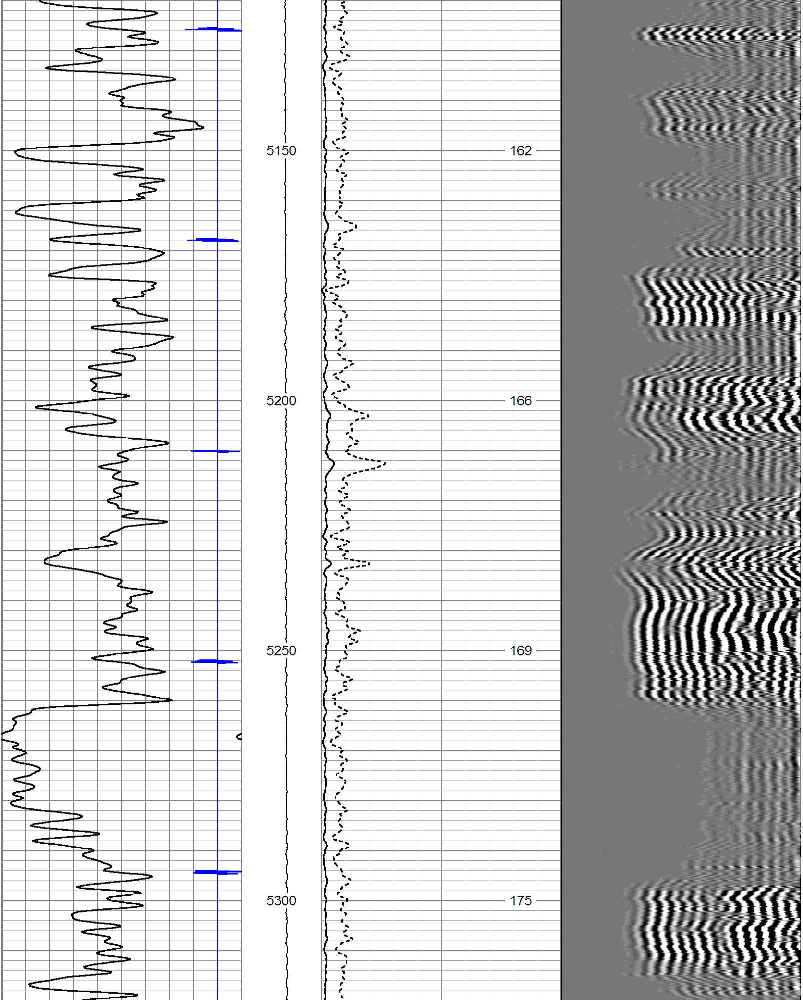


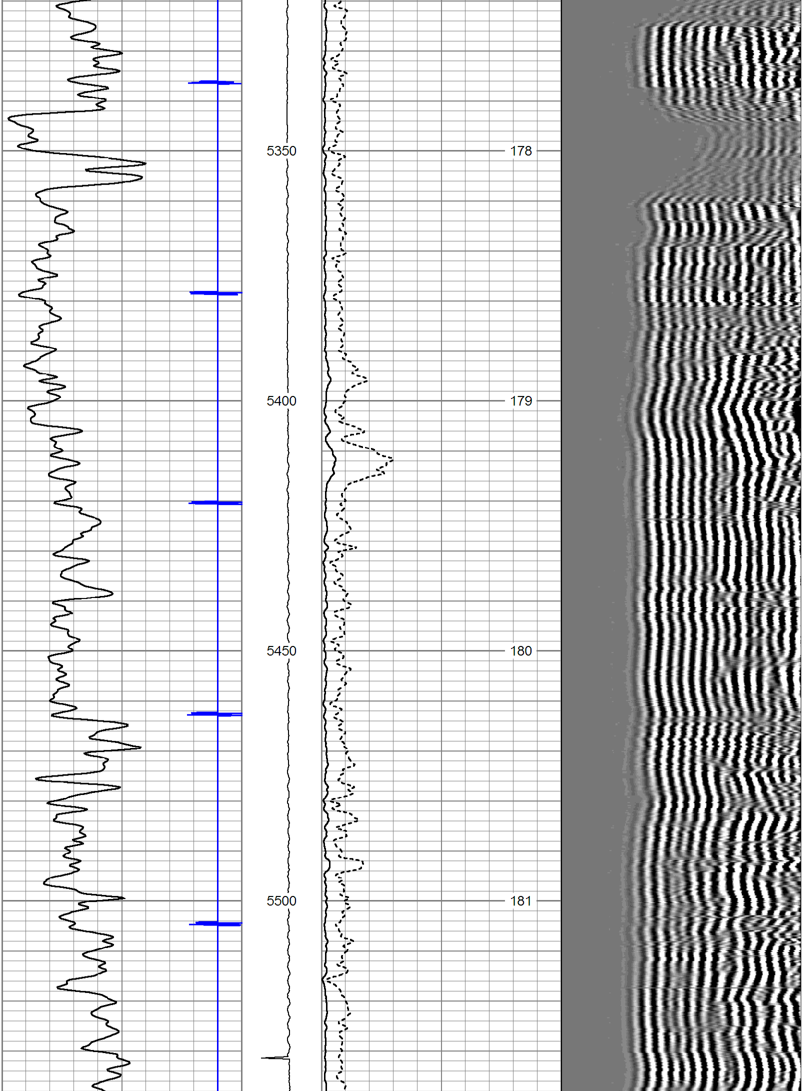


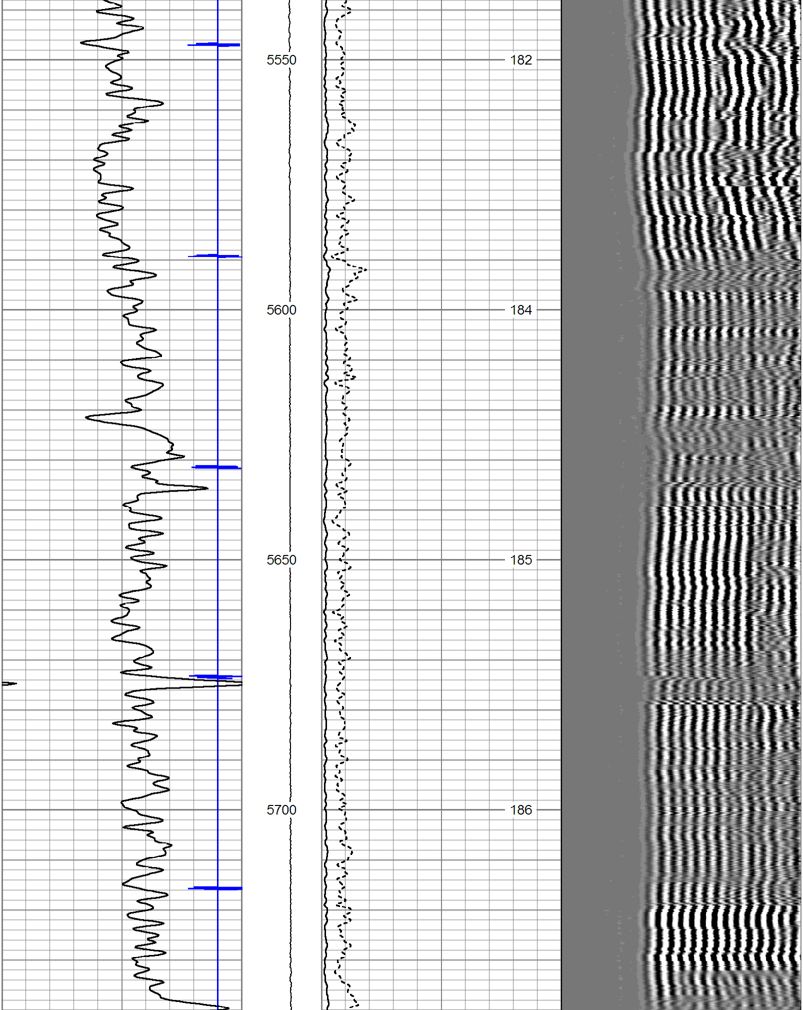


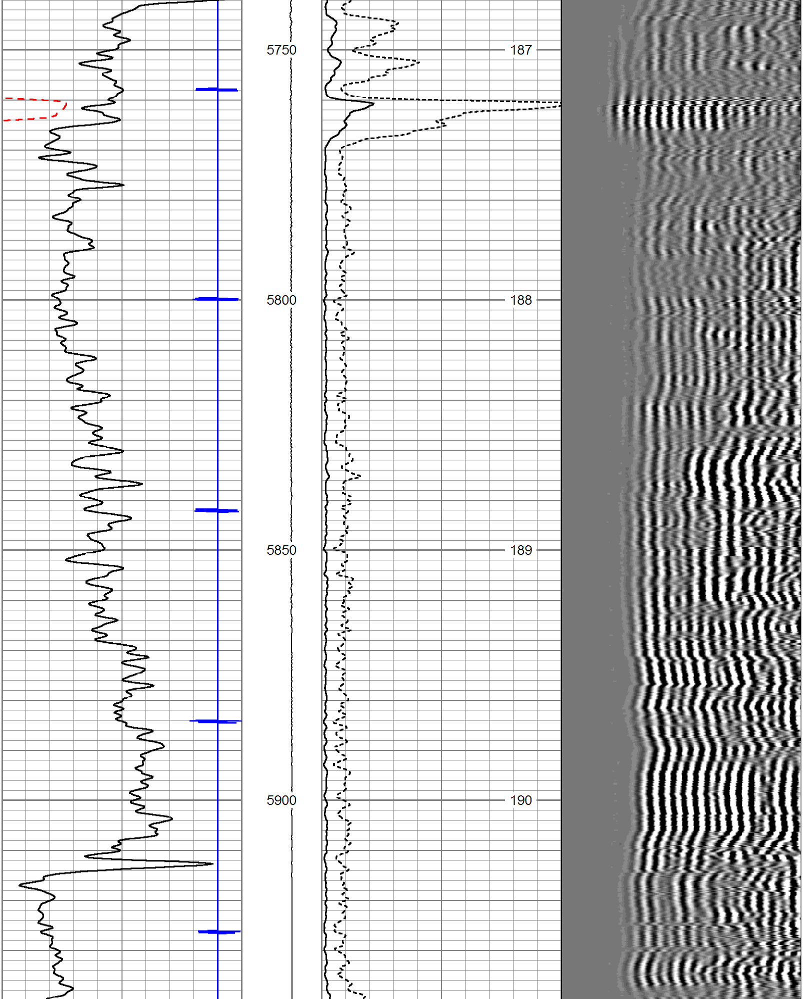


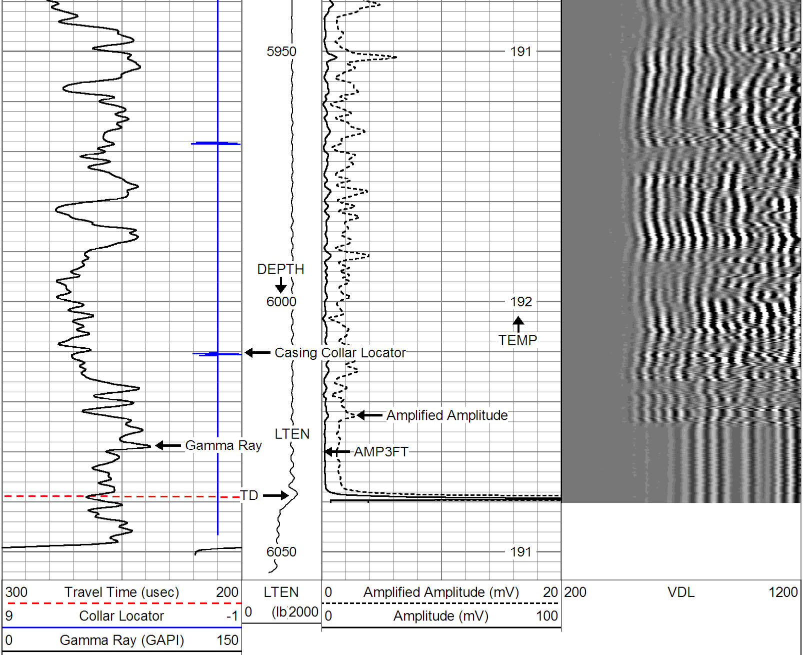












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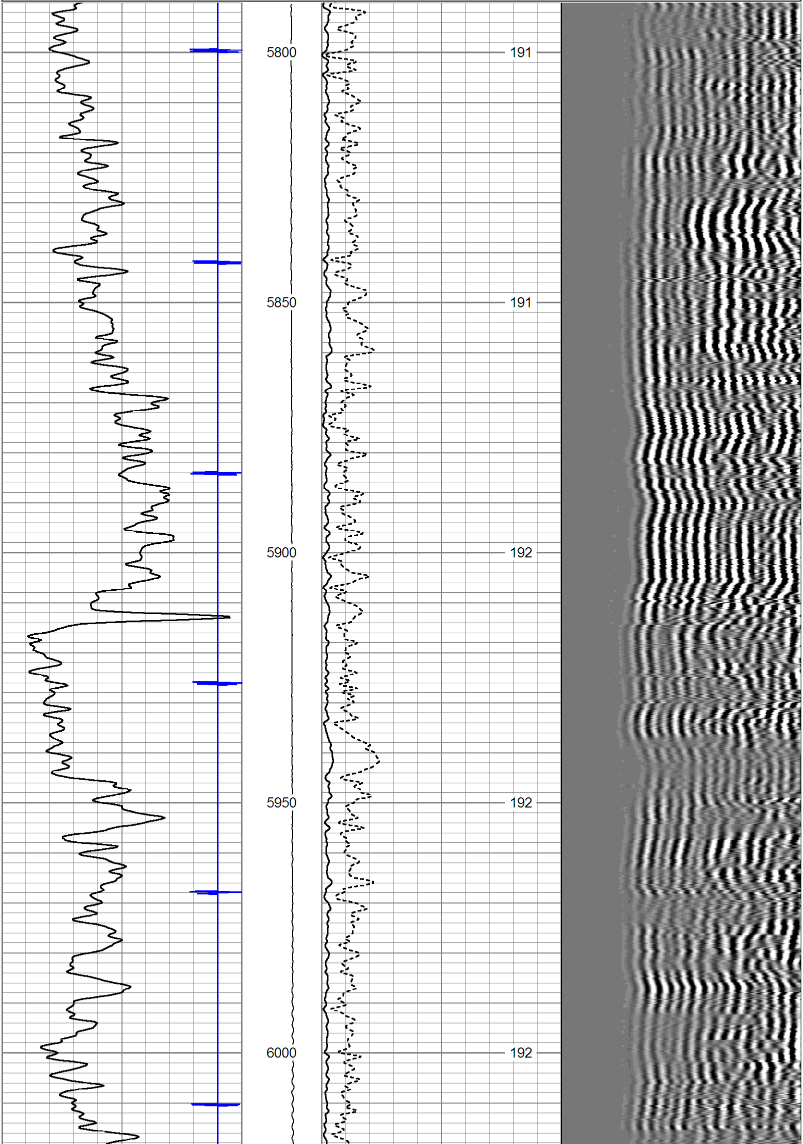
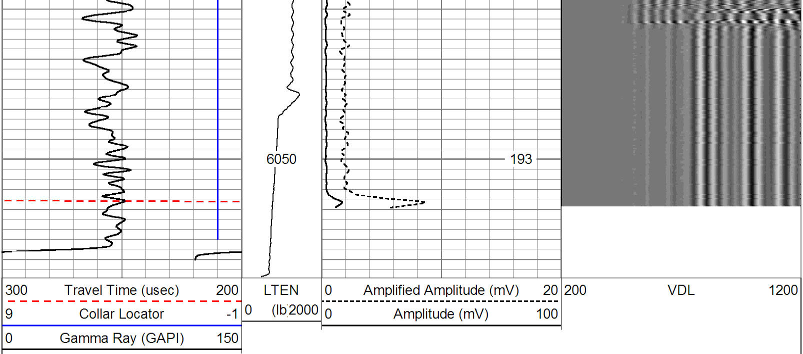
REPEAT PASS 0 PSI

Database File:	ll&cc 36-14.db
Dataset Pathname:	pass2
Presentation Format:	lone_wol
Dataset Creation:	Mon May 21 13:17:55 2007 by Log Std Casedhole 05111
Charted by:	Depth in Feet scaled 1:240

300 Travel Time (usec) 200	LTEN	0 Amplified Amplitude (mV) 20	200 VDL 1200
9 Collar Locator -1	0 (lb 2000	0 Amplitude (mV) 100	
0 Gamma Ray (GAPI) 150			





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LL &CC 36-14