PIONEER
Pioneer Energy Services

GAMMA RAY C.C.L. CEMENT BOND V.D.L. SECTOR MAP

Company ENCANA OIL & GAS (USA) INC.
Well LOCHBUIE #2H-31H D165
Field WATTENBERG
County WELD
State COLORADO

Company	ENCANA OIL & GAS (USA) INC.		
Well	LOCHBUIE #2H-31H D165		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API # : 0512338169 594' FNL & 2516' FEL SEC.31 TWP. 1N RGE. 65W 460' FSL & 2550' FEL	Other Services	
	SEC 31 TWP 1N RGE 65W		
Permanent Datum	GL	Elevation 5,007'	Elevation K.B. 5,037 D.F. 5,037 G.L. 5,007'
Log Measured From	KB		
Drilling Measured From	KB		

Date	25-FEB-2014
Run Number	ONE
Depth Driller	12,290'
Depth Logger	7,830'
Bottom Logged Interval	7,829'
Top Log Interval	SURFACE
Open Hole Size	N/A
Type Fluid	WATER
Density / Viscosity	8.33 PPG
Max. Recorded Temp.	225° F
Estimated Cement Top	N/A
Time Well Ready	PM
Time Logger on Bottom	14:10
Equipment Number	24
Location	FORT MORGAN
Recorded By	LEROY HOBBS
Witnessed By	KEVIN BERGERON

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	7"		SURFACE	T.D.
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

THANK YOU FOR USING PIONEER ENERGY SERVICES.

LOG WAS RAN OFF A 30' K.B.

S.O.# 2-206086

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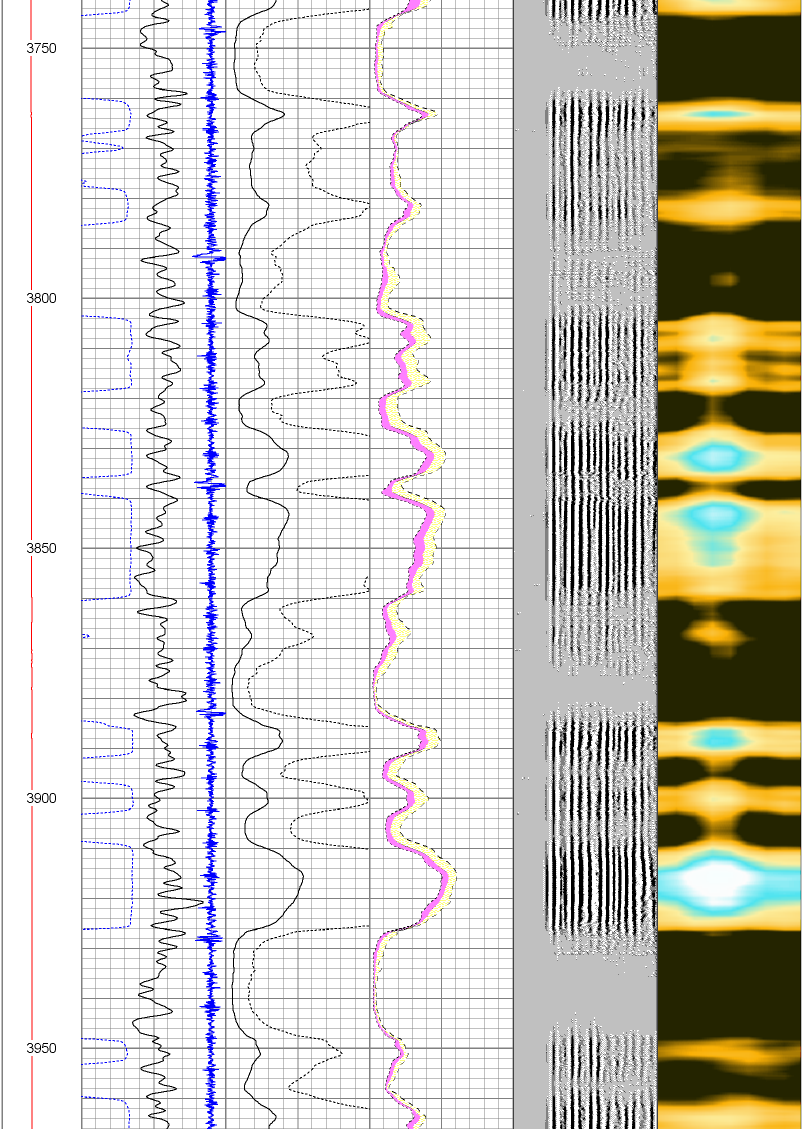
MAIN PASS

LOGGED UNDER "0" PSI

Database File:	lockbuie24-31h d165.db
Dataset Pathname:	pass2
Presentation Format:	scbl02
Dataset Creation:	Tue Feb 25 14:10:47 2014 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240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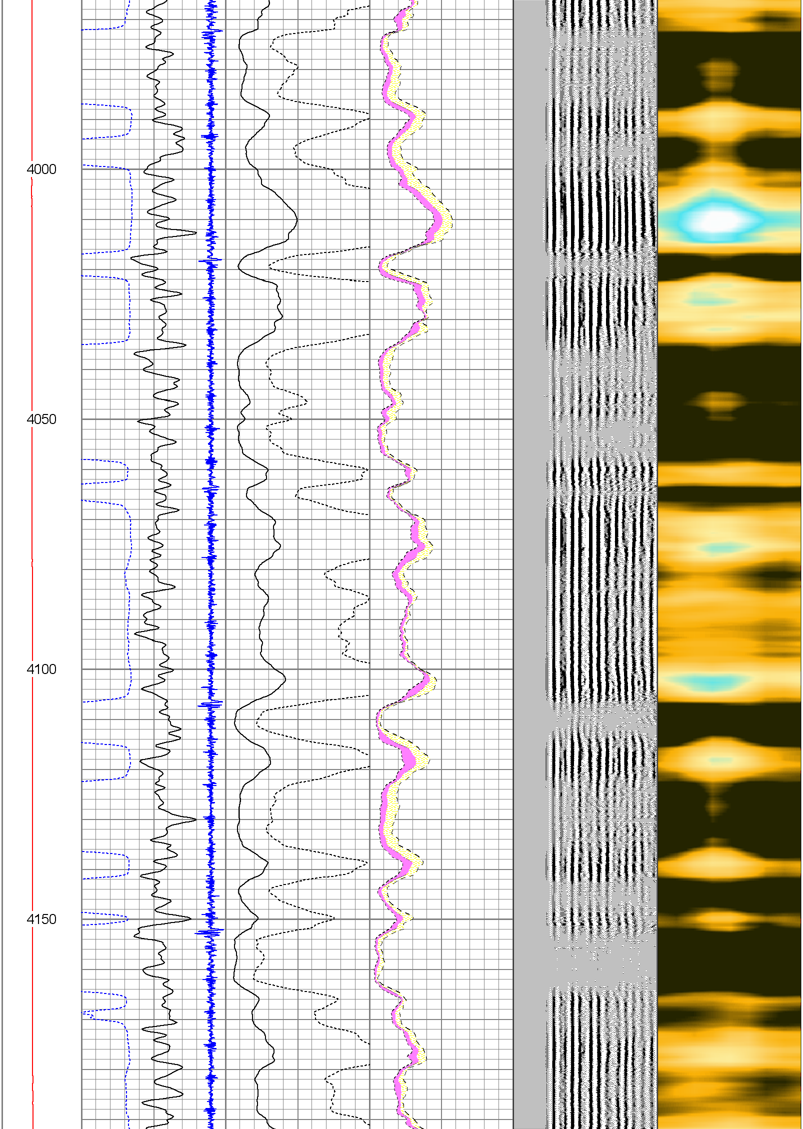
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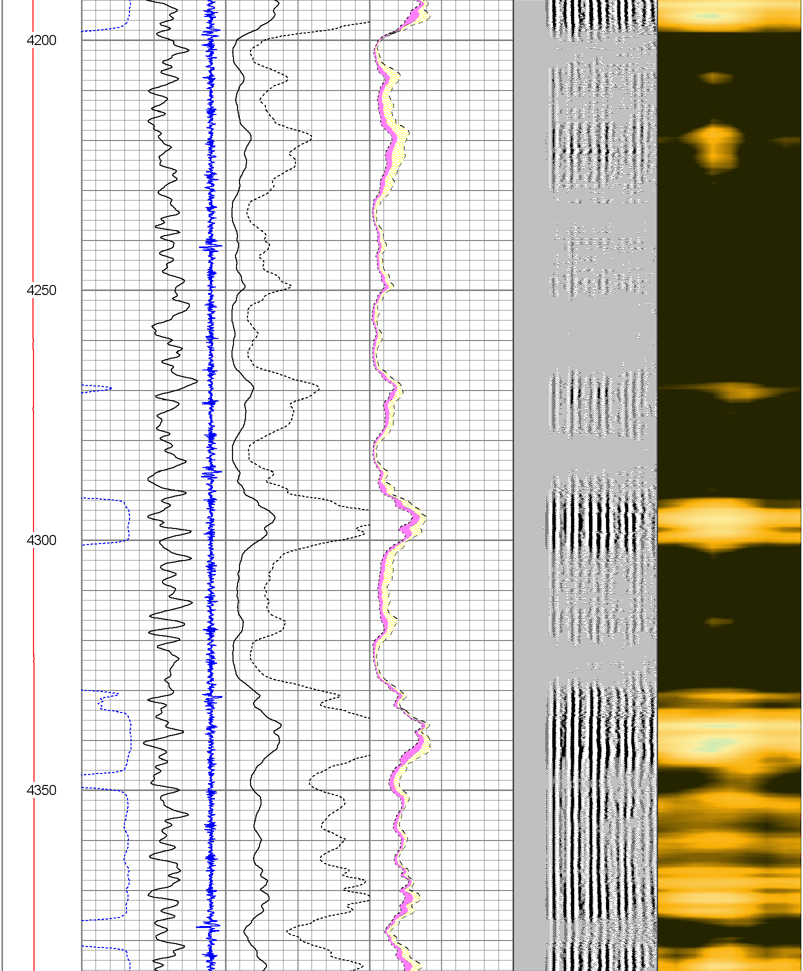
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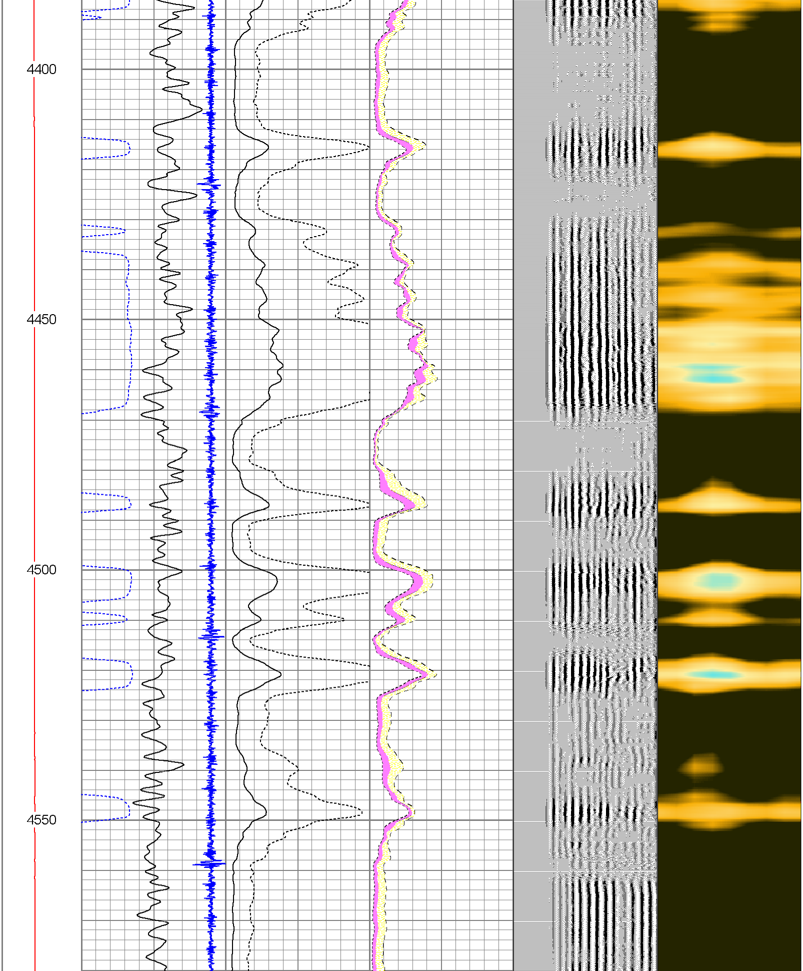
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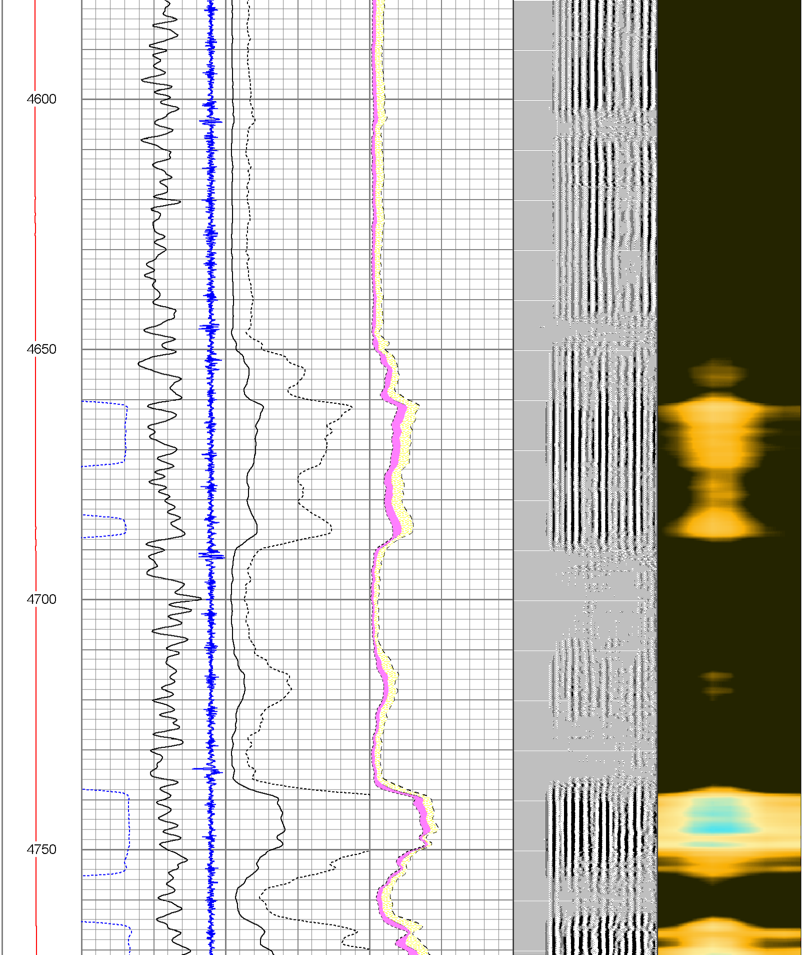
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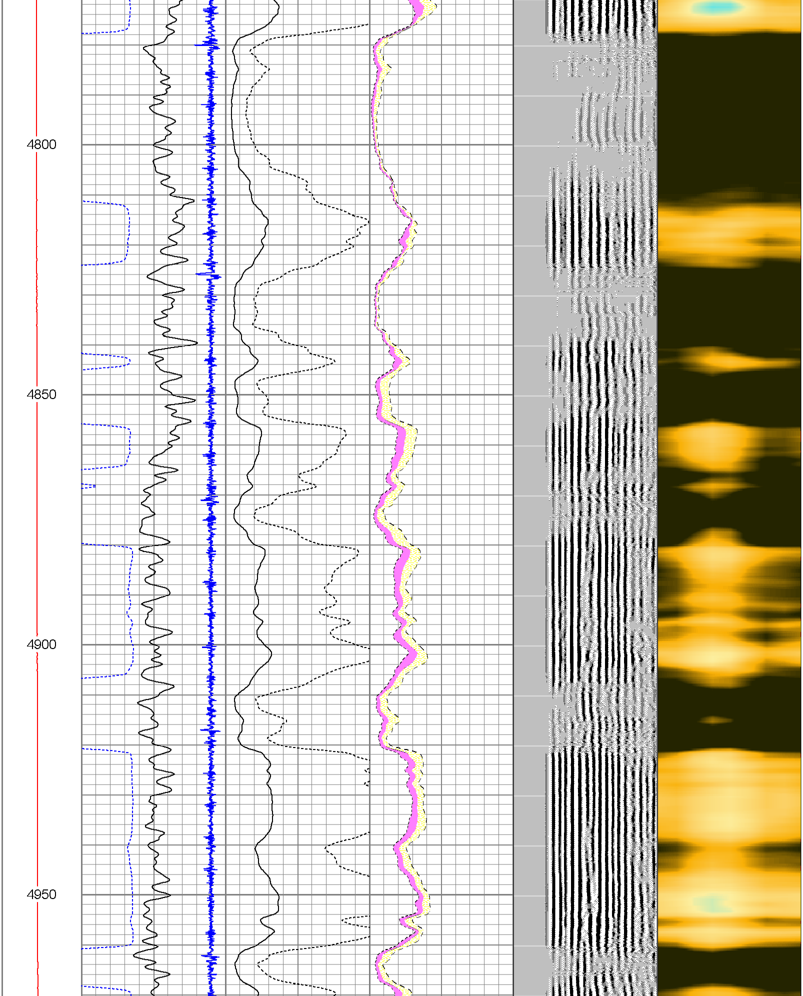
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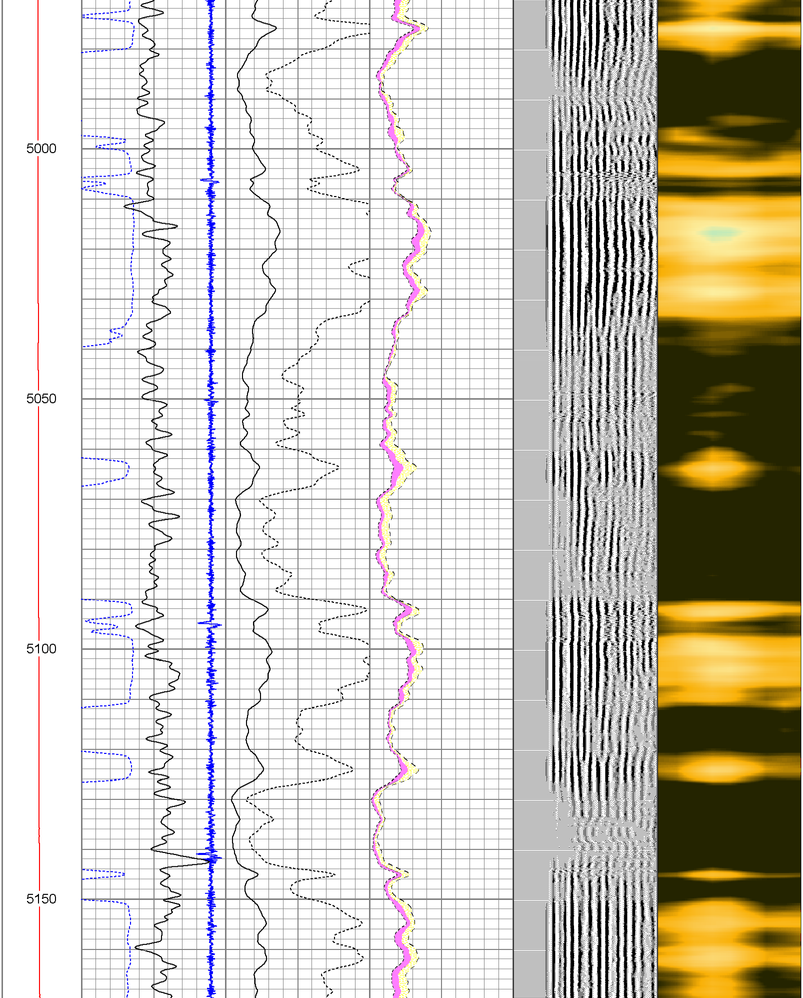
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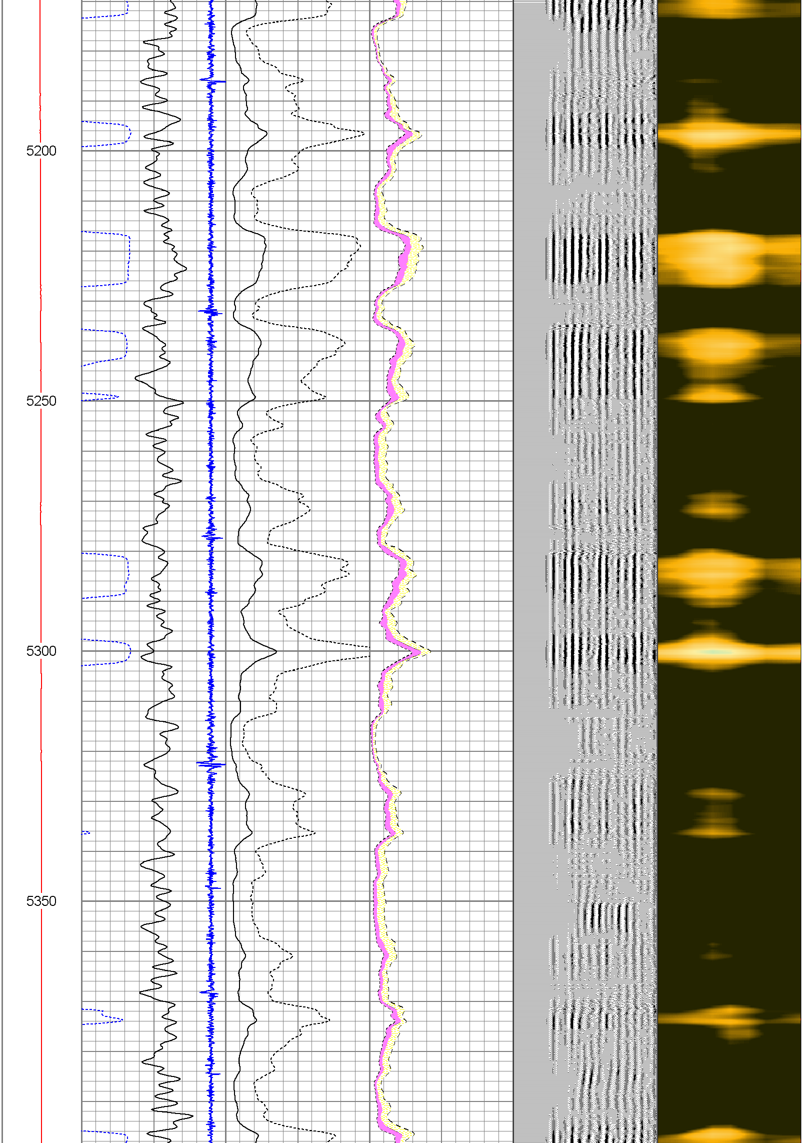
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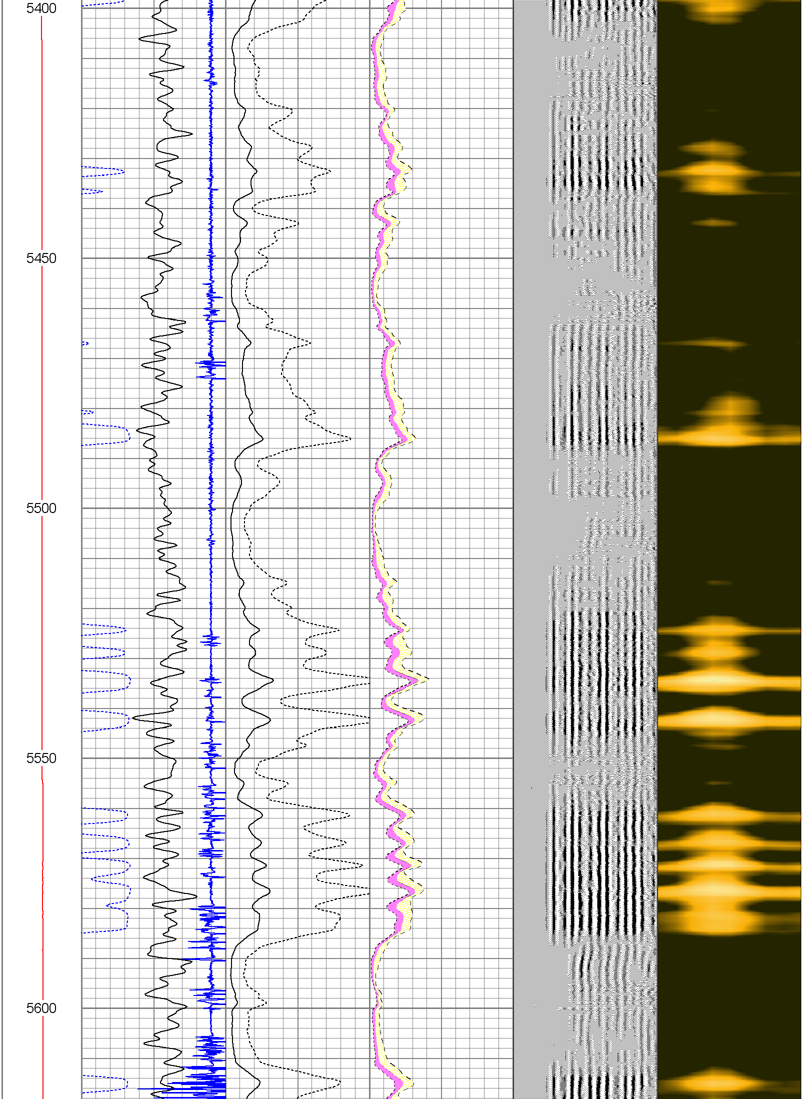
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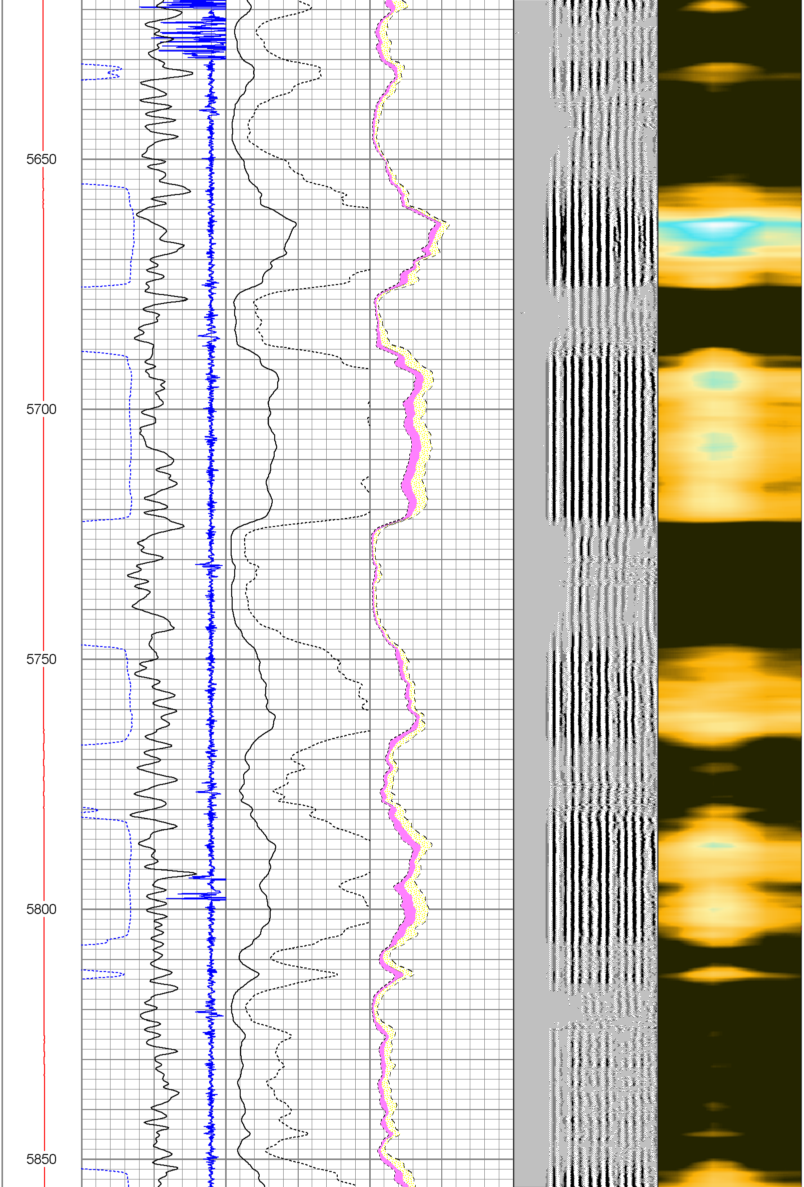
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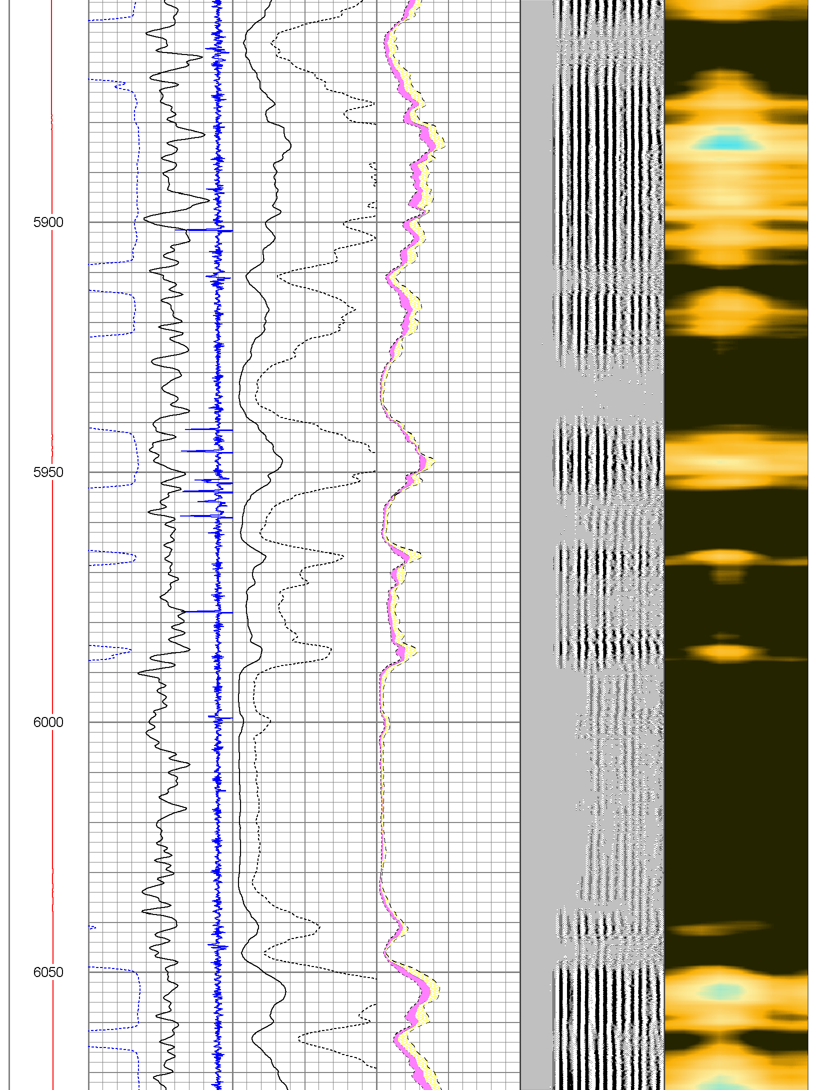
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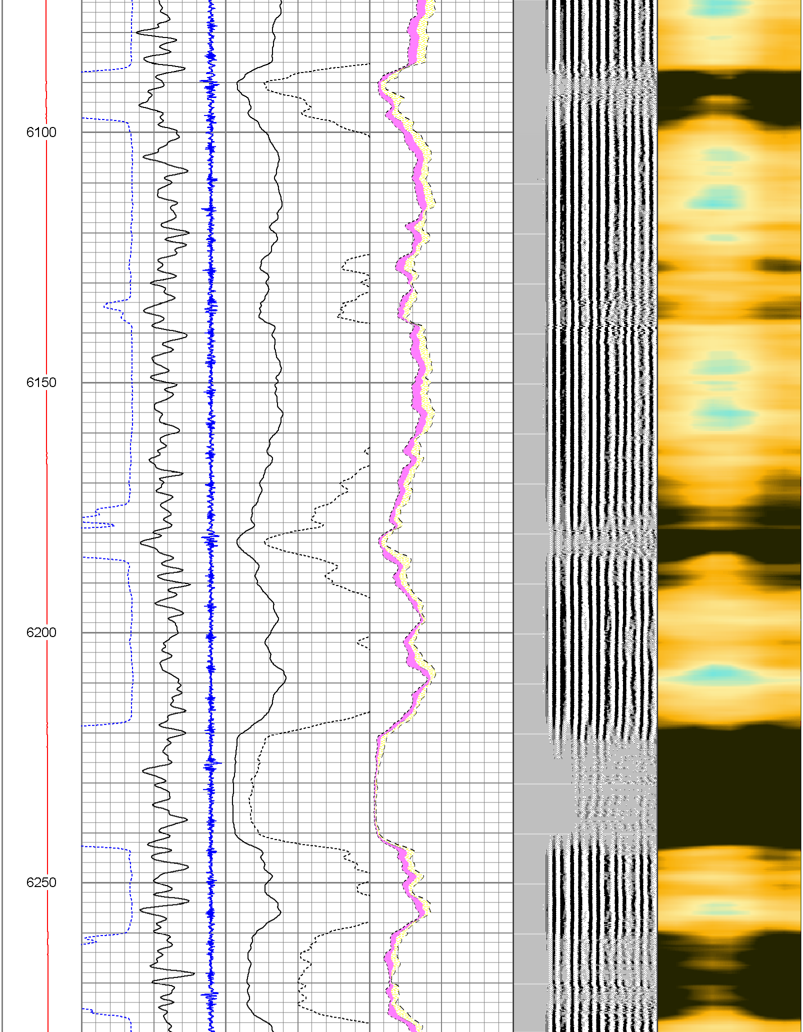
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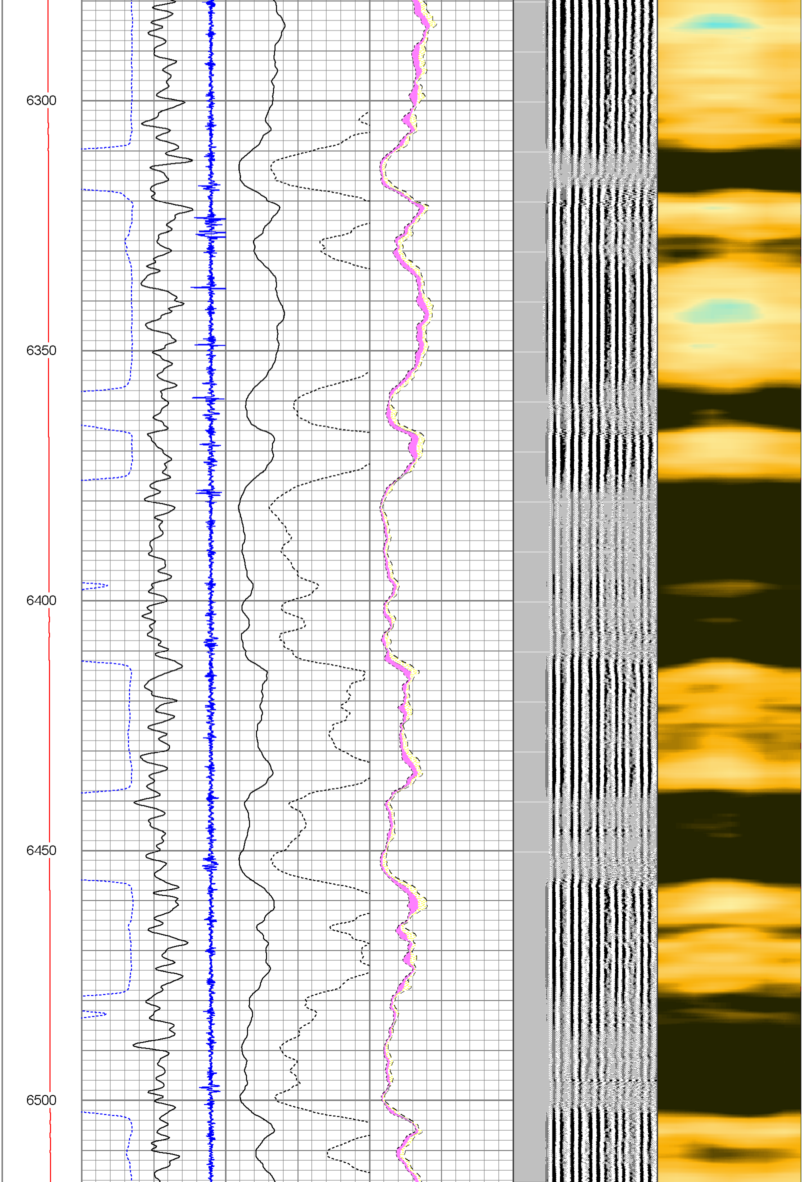
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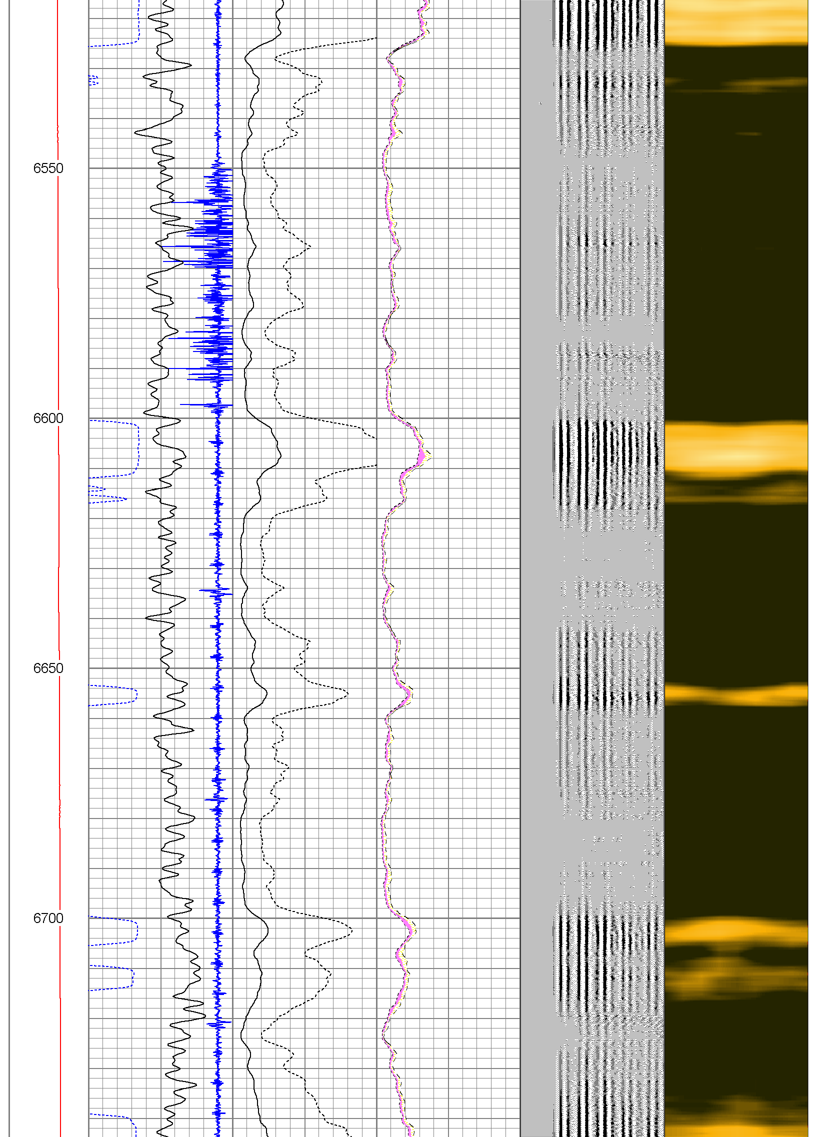
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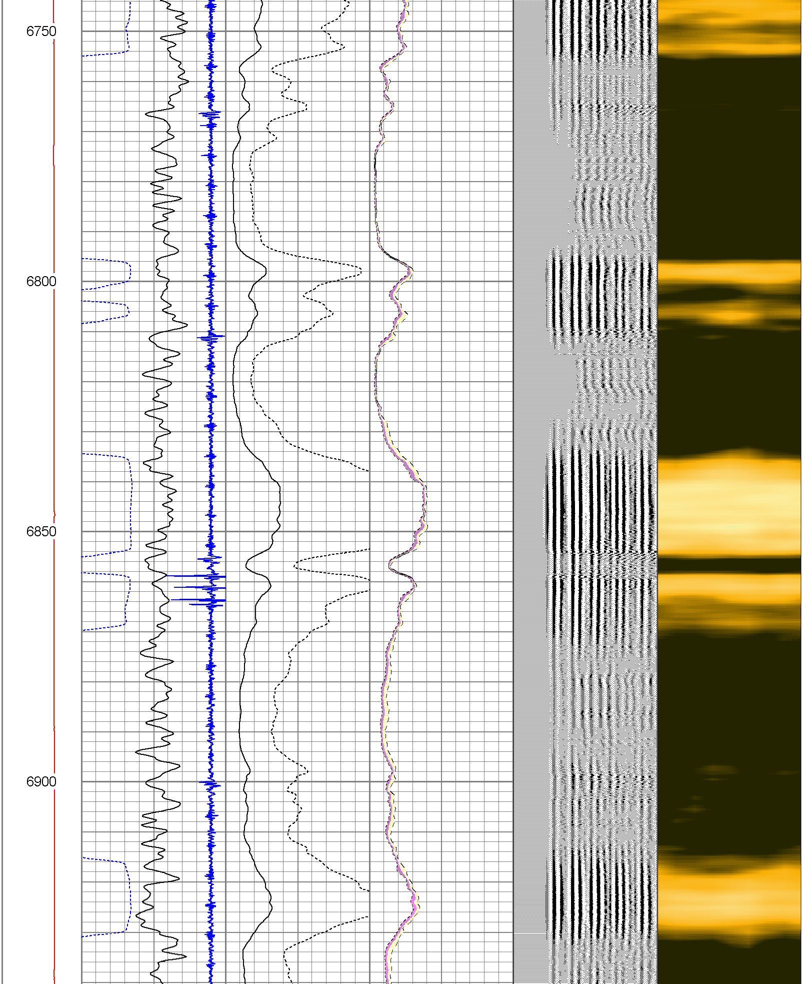
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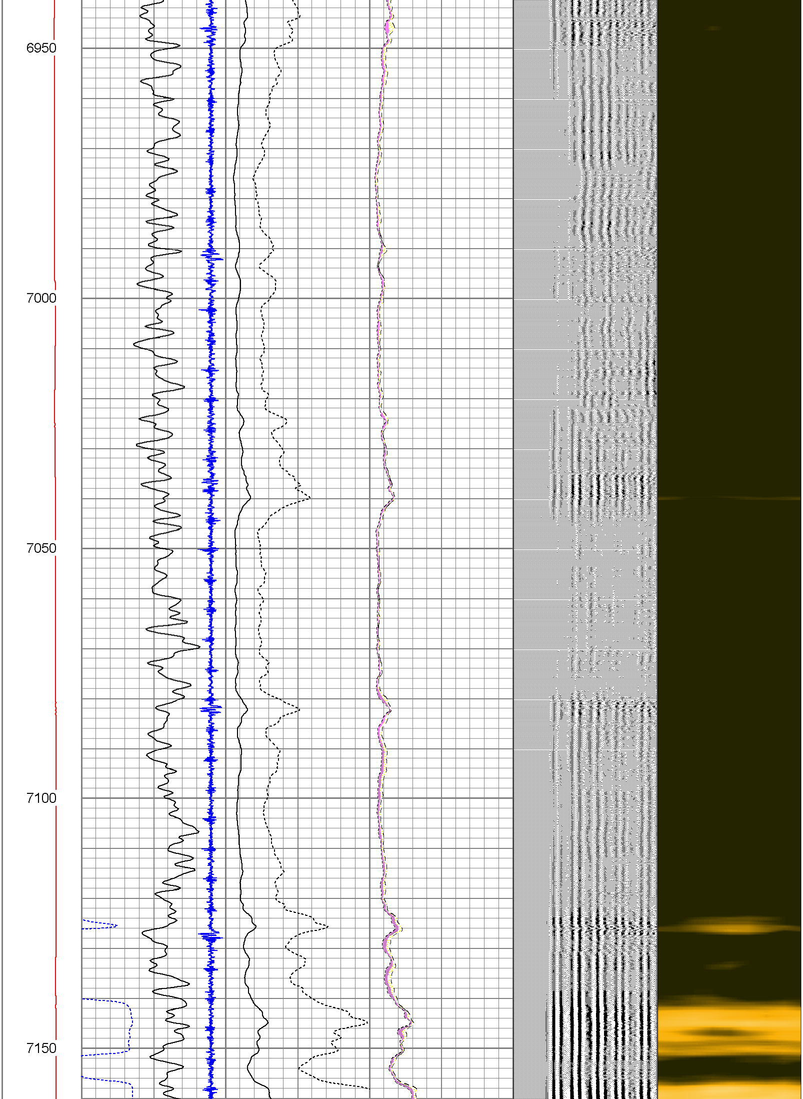
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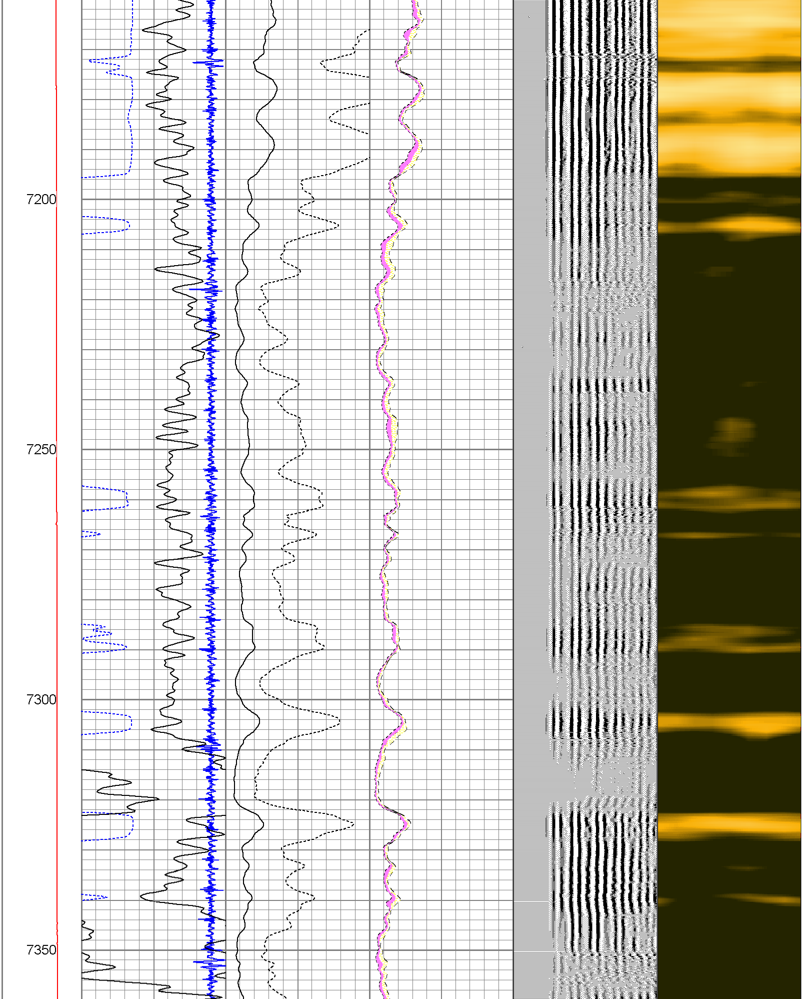

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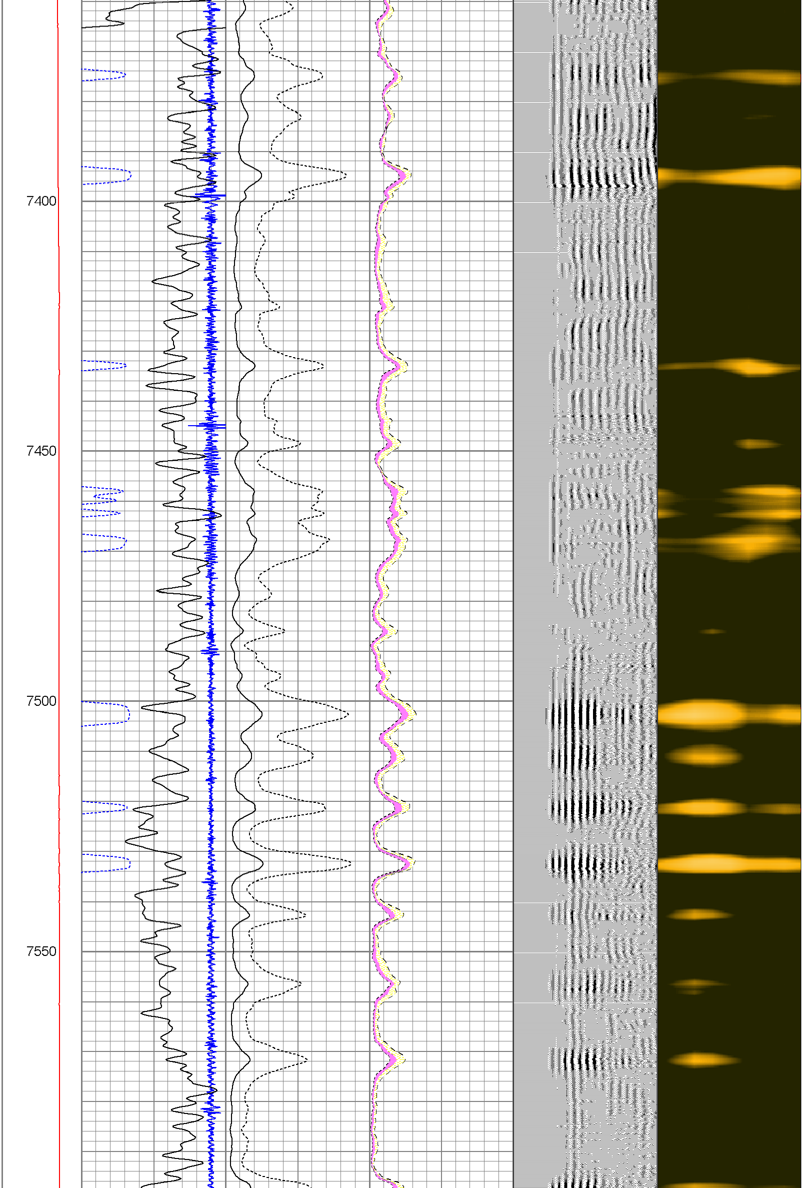
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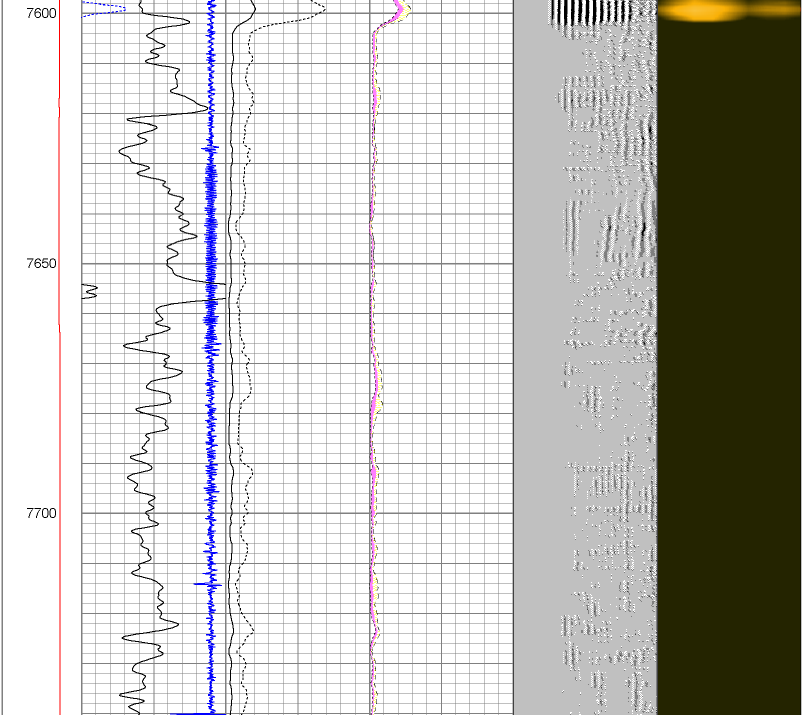
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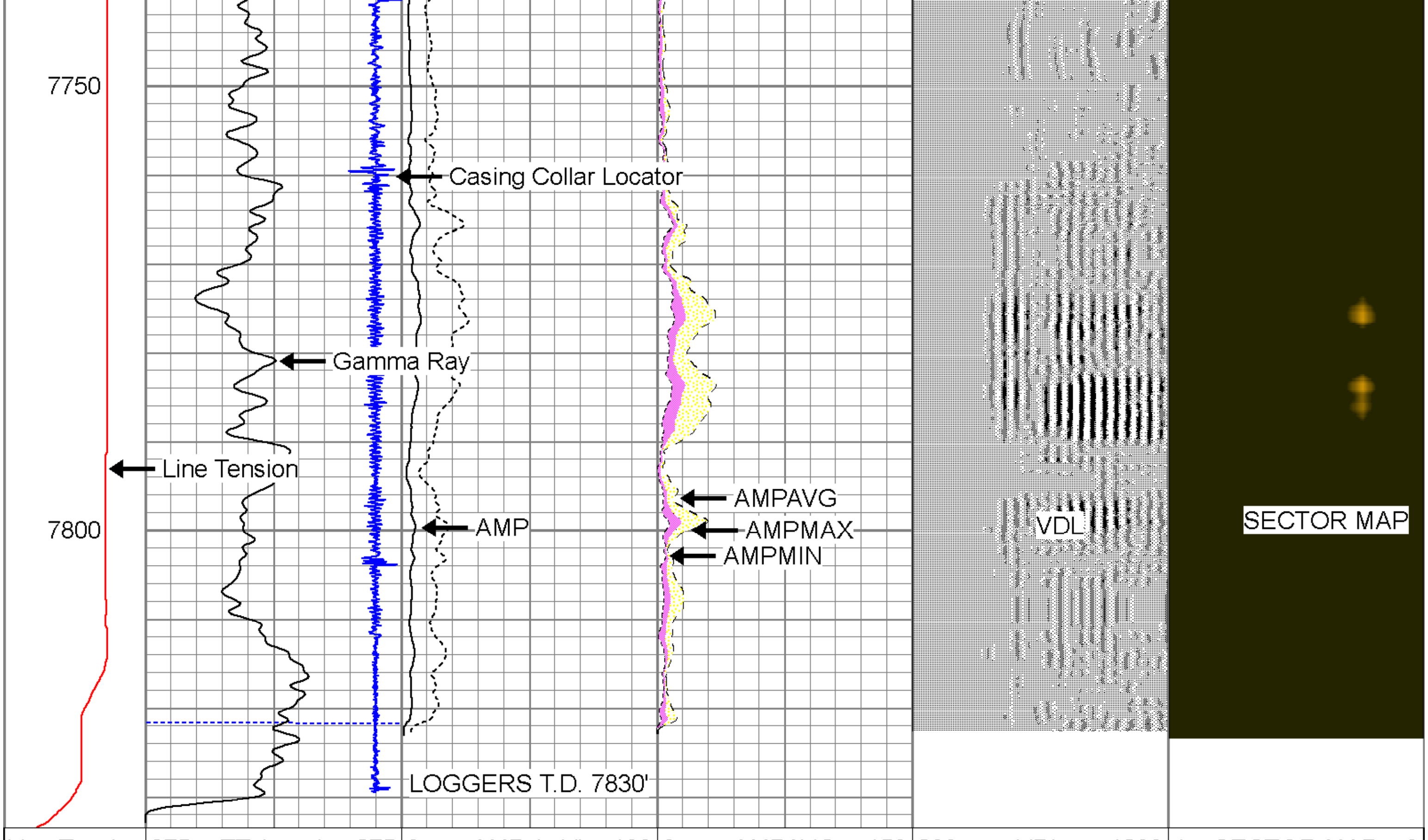

Line Tension	375 TT (usec) 275	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
0 (lb2000	-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 150		25 95
	0 GR (GAPI) 200		0 AMPMIN 150		

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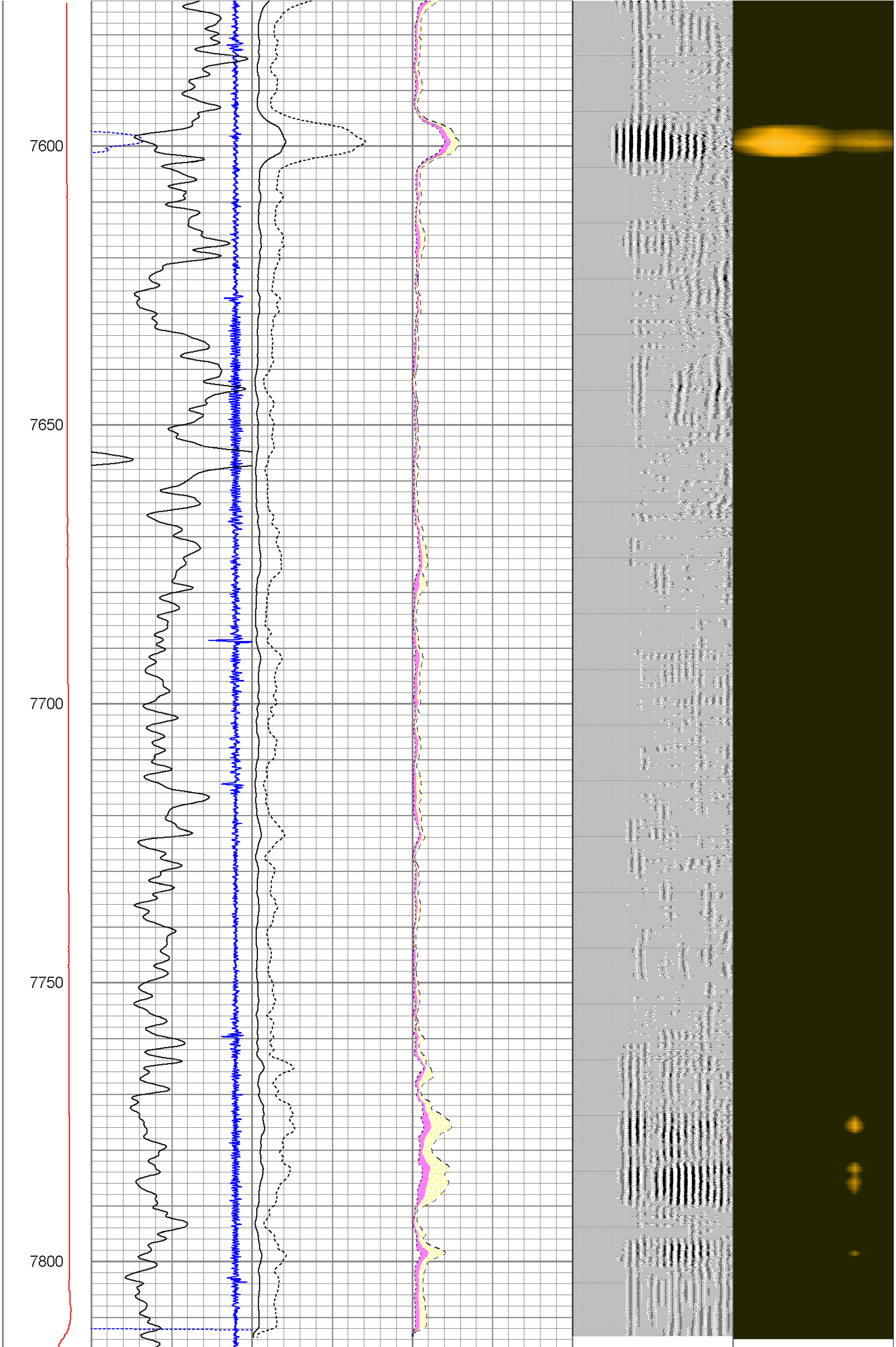
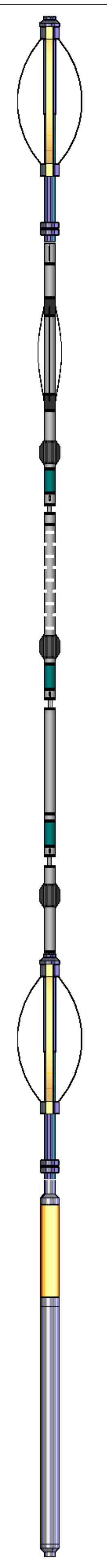
REPEAT PASS

Database File:	lockbuie24-31h d165.db
Dataset Pathname:	pass1
Presentation Format:	scbl02
Dataset Creation:	Tue Feb 25 14:04:56 2014 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

Line Tension	375 TT (usec) 275	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
0 (lb2000	-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 150		25 95
	0 GR (GAPI) 200		0 AMPMIN 150		



Line Tension	375 TT (usec) 275	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
0 (lb2000	-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 150		25 95
	0 GR (GAPI) 200		0 AMPMIN 150		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.78 11.78 11.78 11.78 11.78 11.78 11.78 11.78 11.78 11.78 10.78		RBT-Probe (4.5040904) Prototype Probe Radii Bond Tool with Digital Telemetry	8.88	2.75	90.00
			PTS275	2.83	2.75	
CCL TEMP GR	3.84 3.14 2.30		GCT-PROBE (130608) 56.3	4.69	2.75	100.00

Dataset: lockbuie24-31h d165.db: field/well/run1/pass2
Total Length: 19.23 ft
Total Weight: 190.00 lb
O.D. 2.75 in