JW WIRELINE COMPANY

GAMMA RAY CCL
CEMENT BOND VDL

Company	KERR-MCGEE OIL & GAS ONSHORE LP
Well	ACKERSON, ELLANORA M GU1
Field	WATTENBERG
County	WELD
State	COLO

Company KERR-MCGEE OIL & GAS ONSHORE LP
Well ACKERSON, ELLANORA M GU1
Field WATTENBERG
County WELD State COLO
Location: API #: 05123080820000
SW NE 2 1N 67W 1650' FNL 1560' FEL
SEC 2 TWP 1 RGE 67W
Other Services

Permanent Datum Elevation 4955
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4965
D.F. 4965
G.L. 4955

Date	MAY 8, 2013
Run Number	ONE
Depth Driller	8160
Depth Logger	7900
Bottom Logged Interval	7900
Top Log Interval	
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	SURFACE
Time Well Ready	
Time Logger on Bottom	16:30
Equipment Number	2833
Location	STERLING
Recorded By	MIKE ADAMSON
Witnessed By	MARK VANDAGRIFF

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			
Liner				

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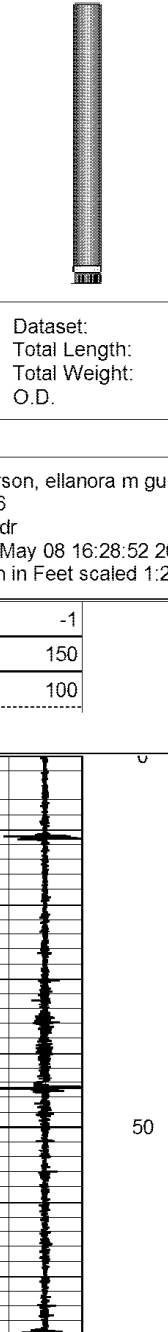
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

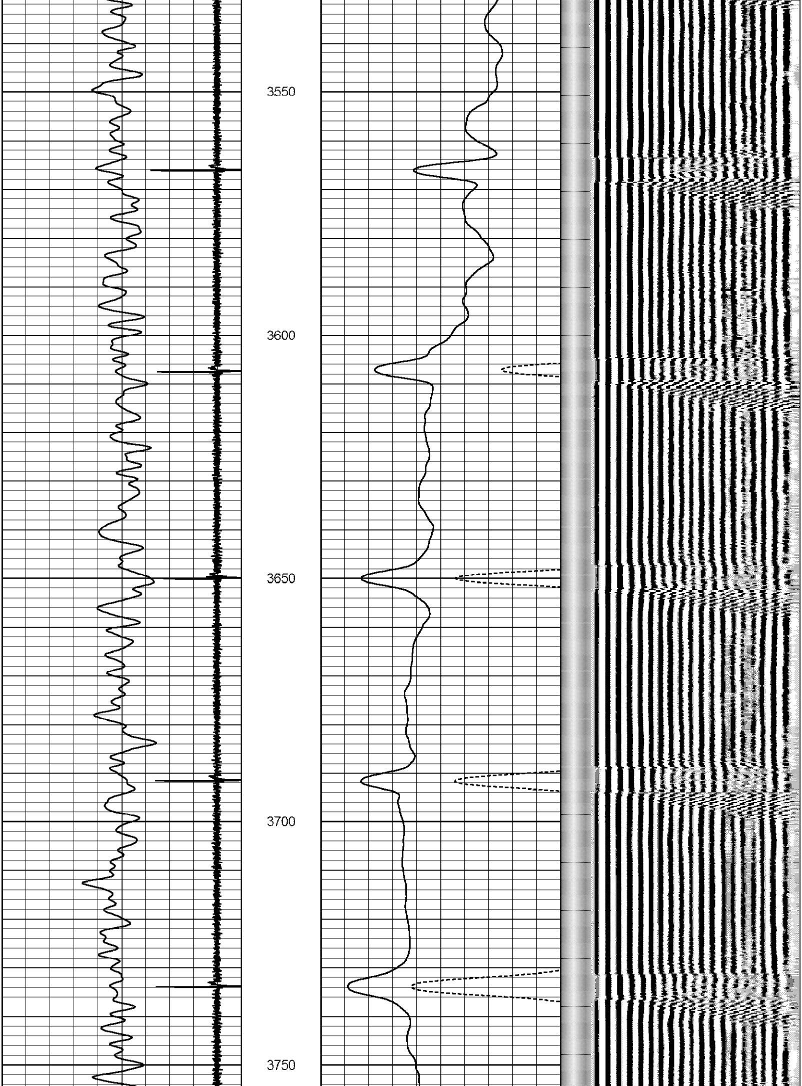
THANKS FOR USING JW WIRELINE



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
CCL	18.58	CCL-TekCo (1 11/16 MOT) (1.68)	1.67	1.69	20.00
		CENT-B (2) 2 3/4 Cent	2.21	2.75	10.00
TEMP	12.85				
WVFCAL	11.02	CBLTEKCO-168 (1681) 1 11/16 Tekco CBL	9.75	1.69	50.00
WVF3FT	10.44				
WVF5FT	9.44				
WVFTEMP	6.02				
WVFSYNC	6.02				
		CENT-A (1) 1 11/16 cent	2.21	1.69	10.00
GR	1.00	GR-Tek-Co (168) 1 11/16 400 Deg. Logging Gamma Ray	3.81	1.68	40.00

Dataset:	ackerson, ellanora m gu1.db: field/well/run1/pass6
Total Length:	19.65 ft
Total Weight:	130.00 lb
O.D.	2.75 in

Database File:	ackerson, ellanora m gu1.db
Dataset Pathname:	pass6
Presentation Format:	scbl_dr
Dataset Creation:	Wed May 08 16:28:52 2013 by Log 0
Charted by:	Depth in Feet scaled 1:240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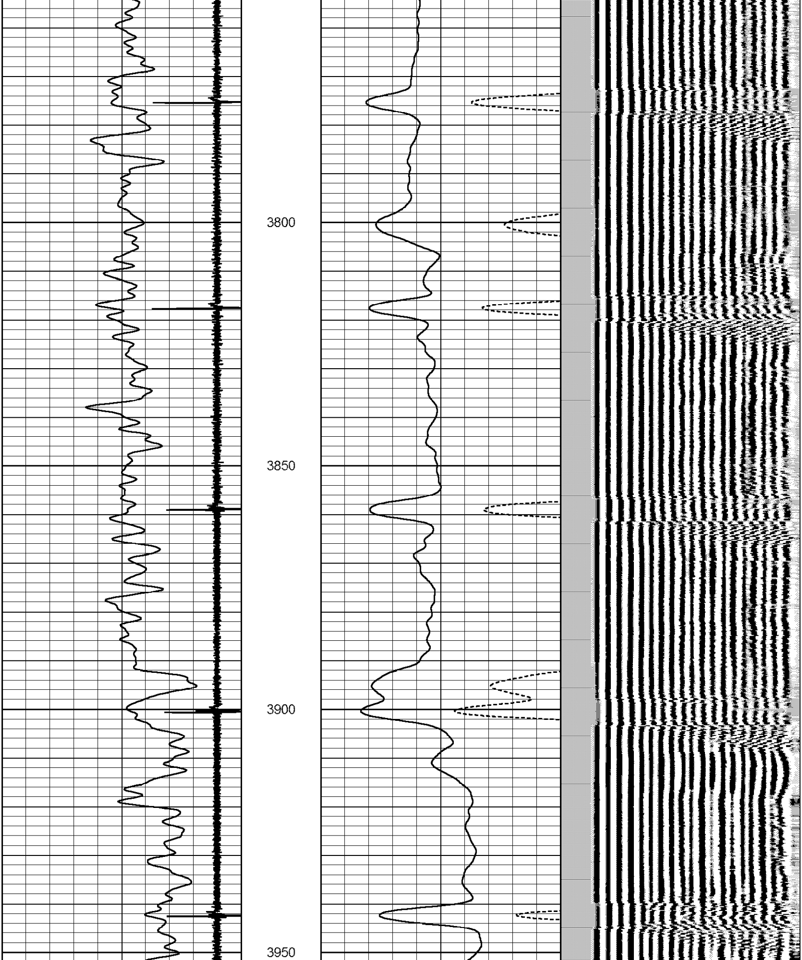
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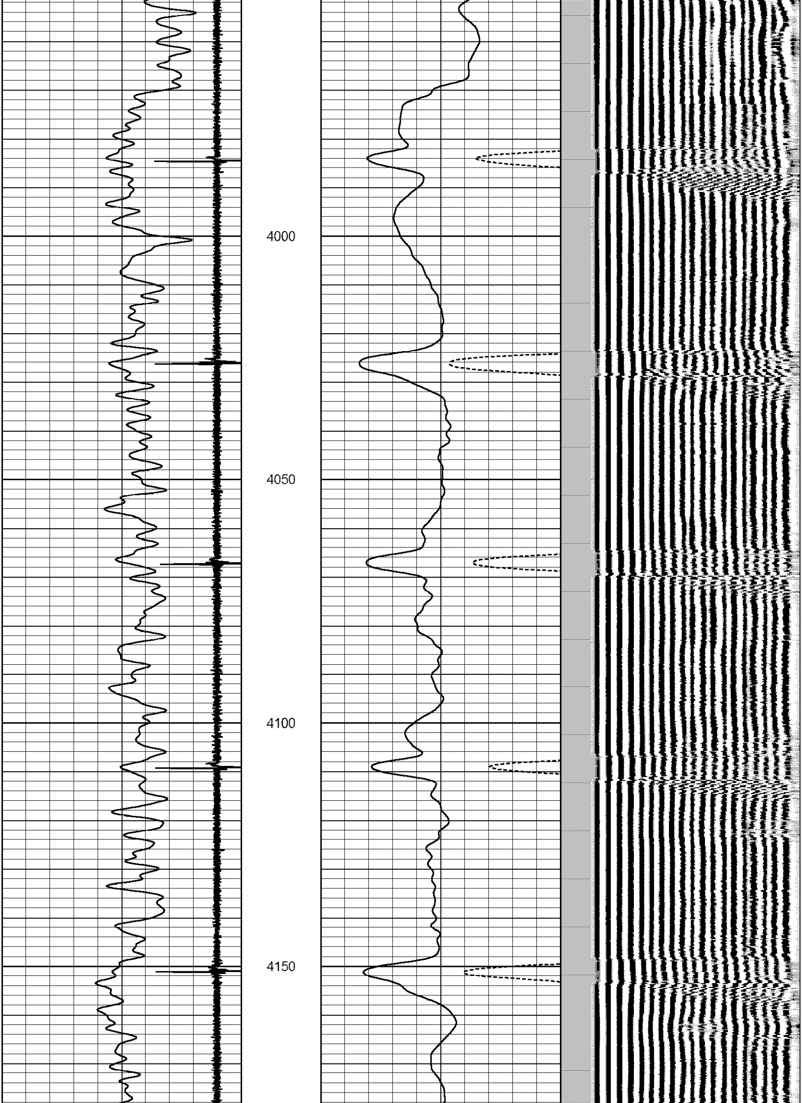
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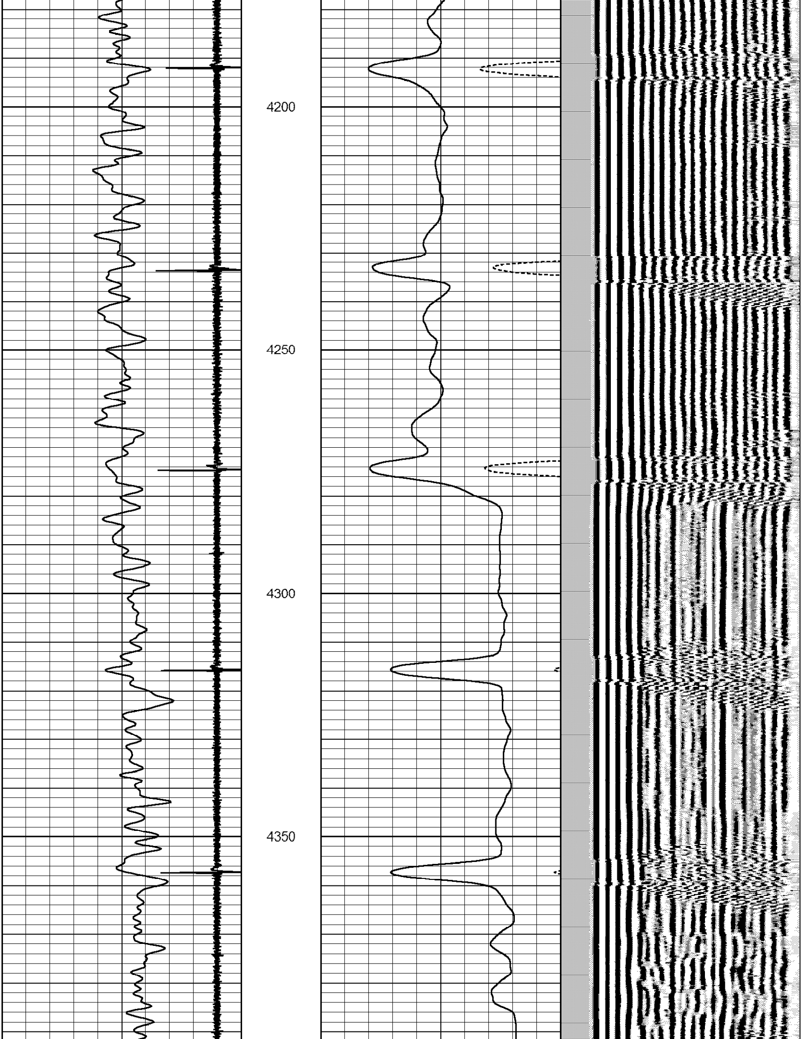
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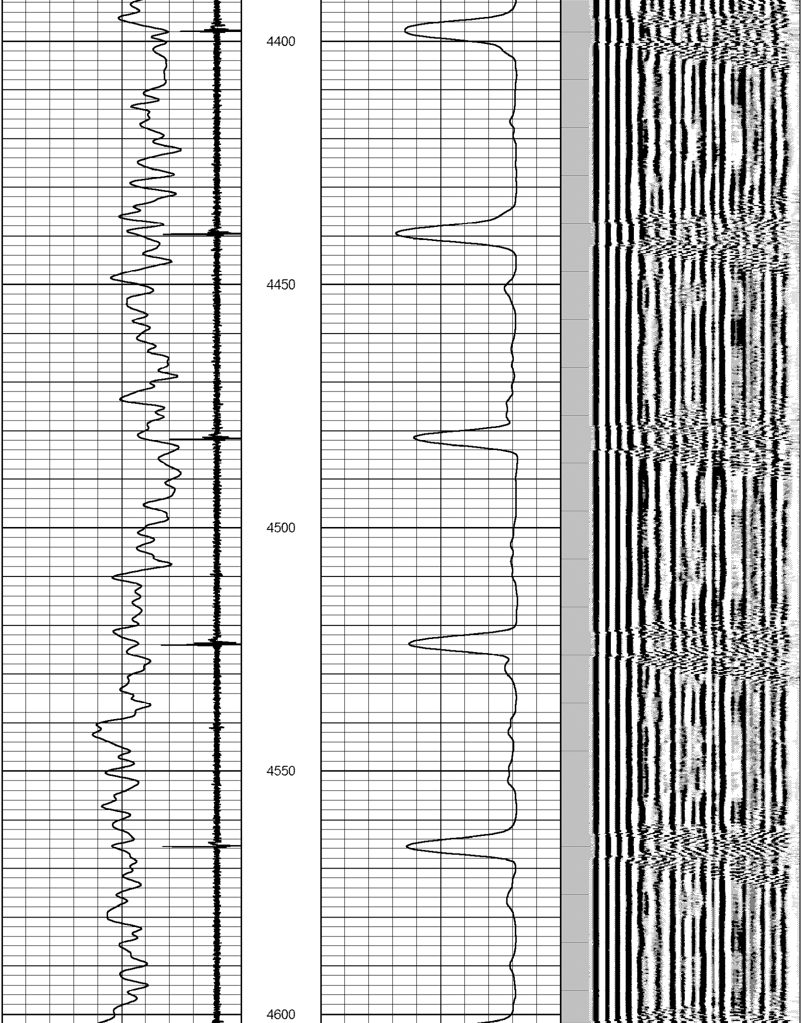
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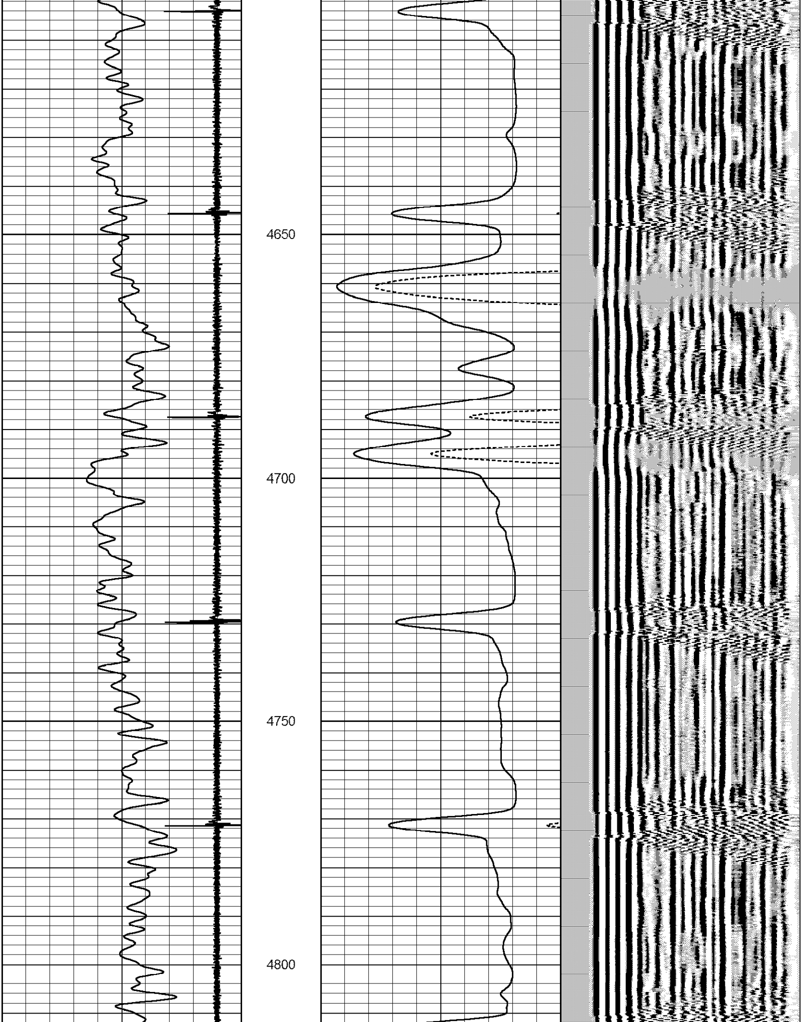
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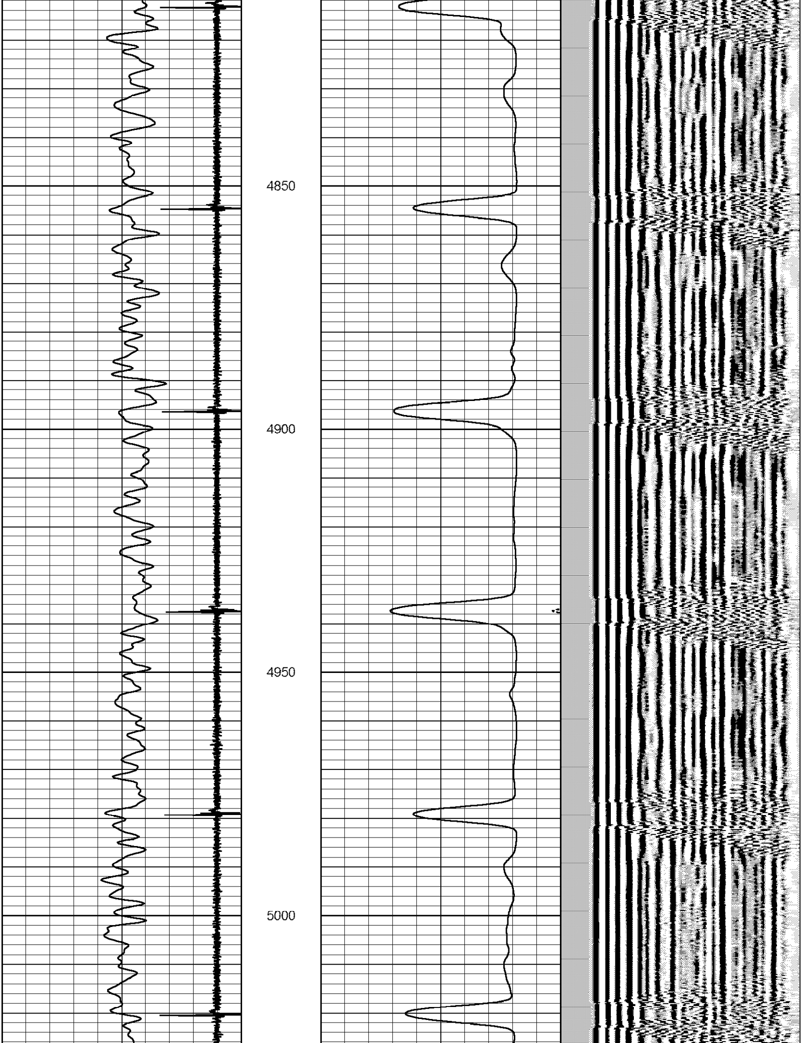
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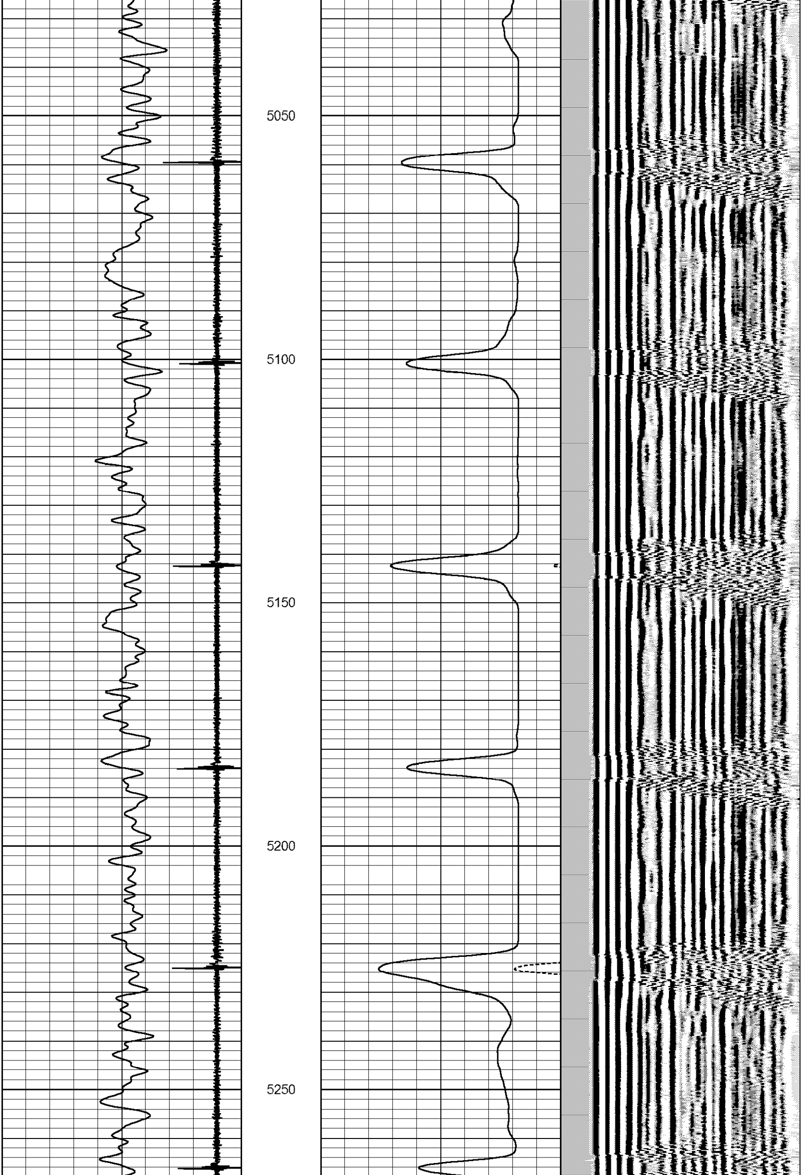
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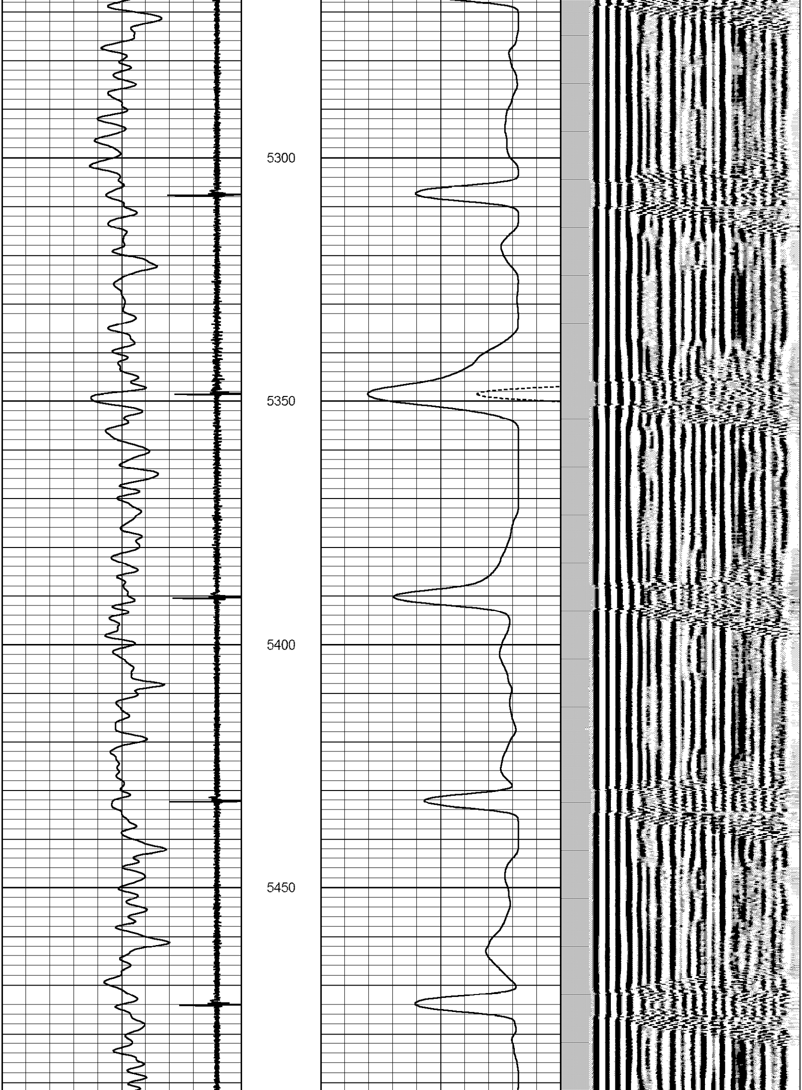
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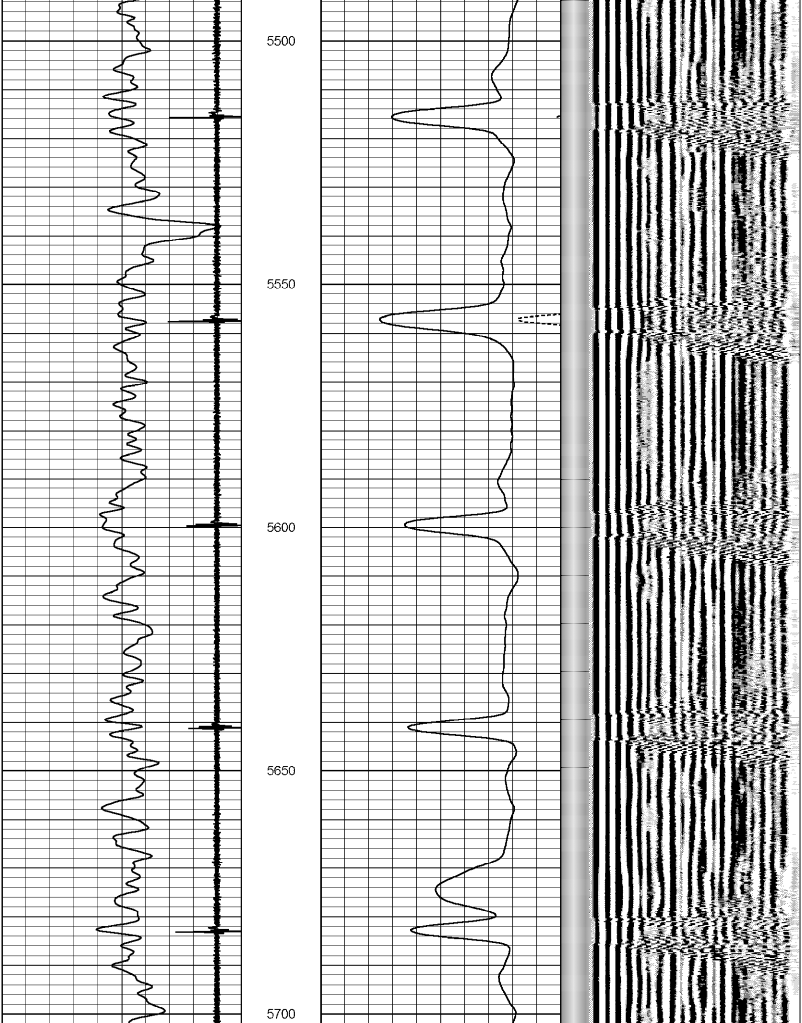
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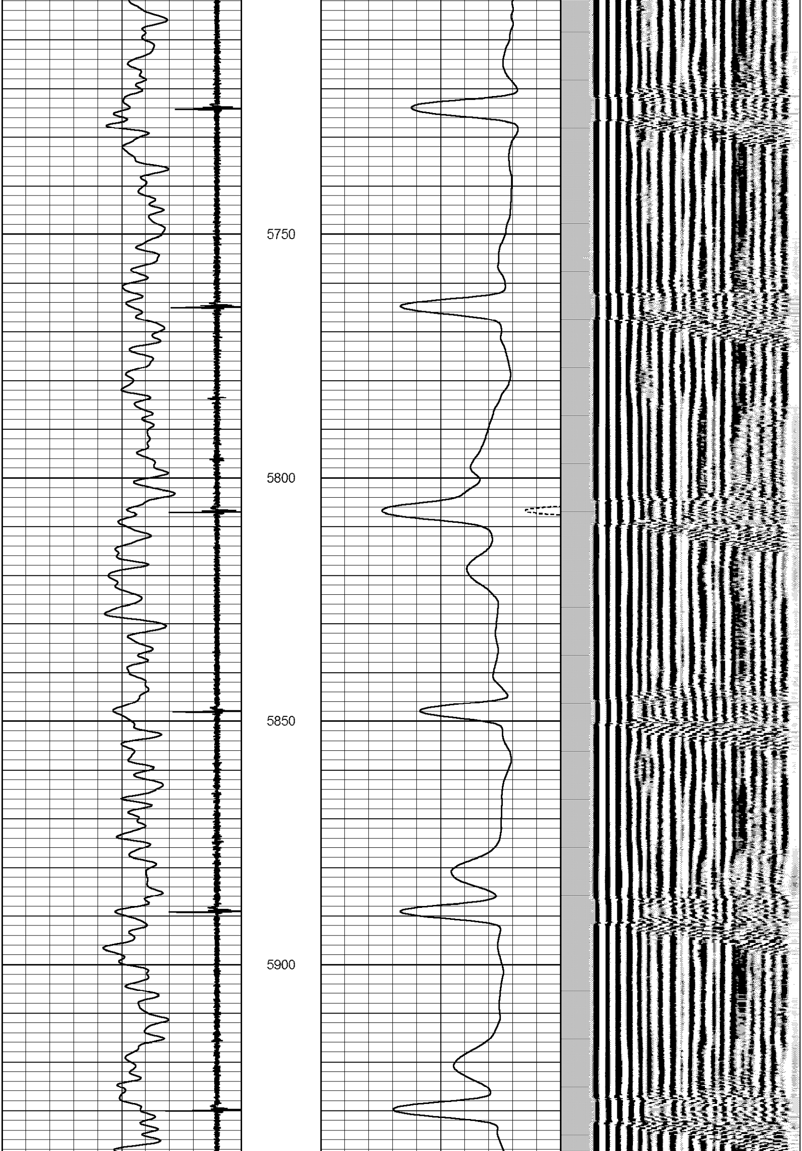
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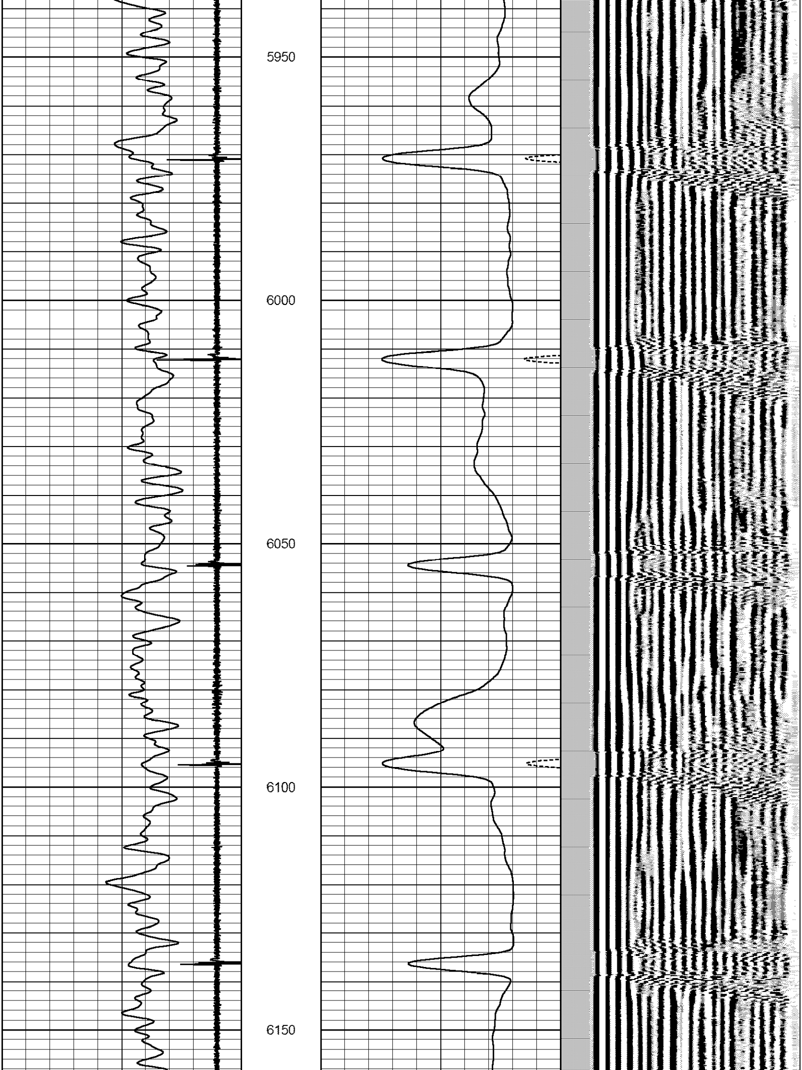
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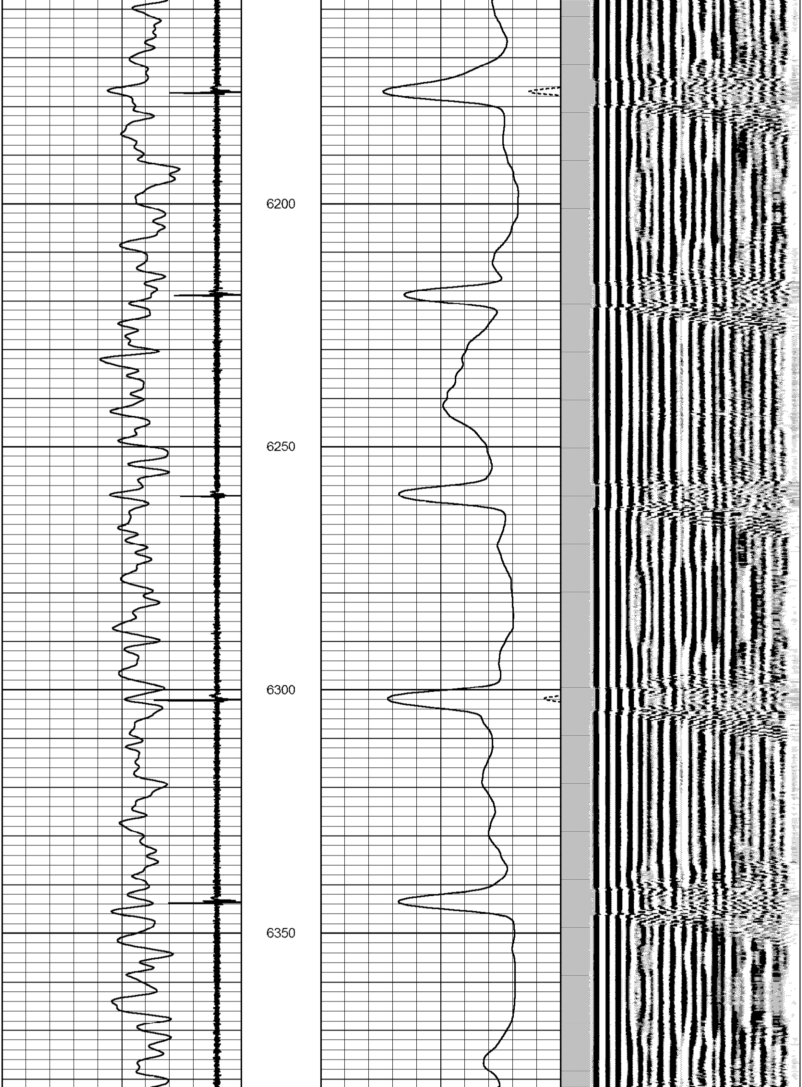
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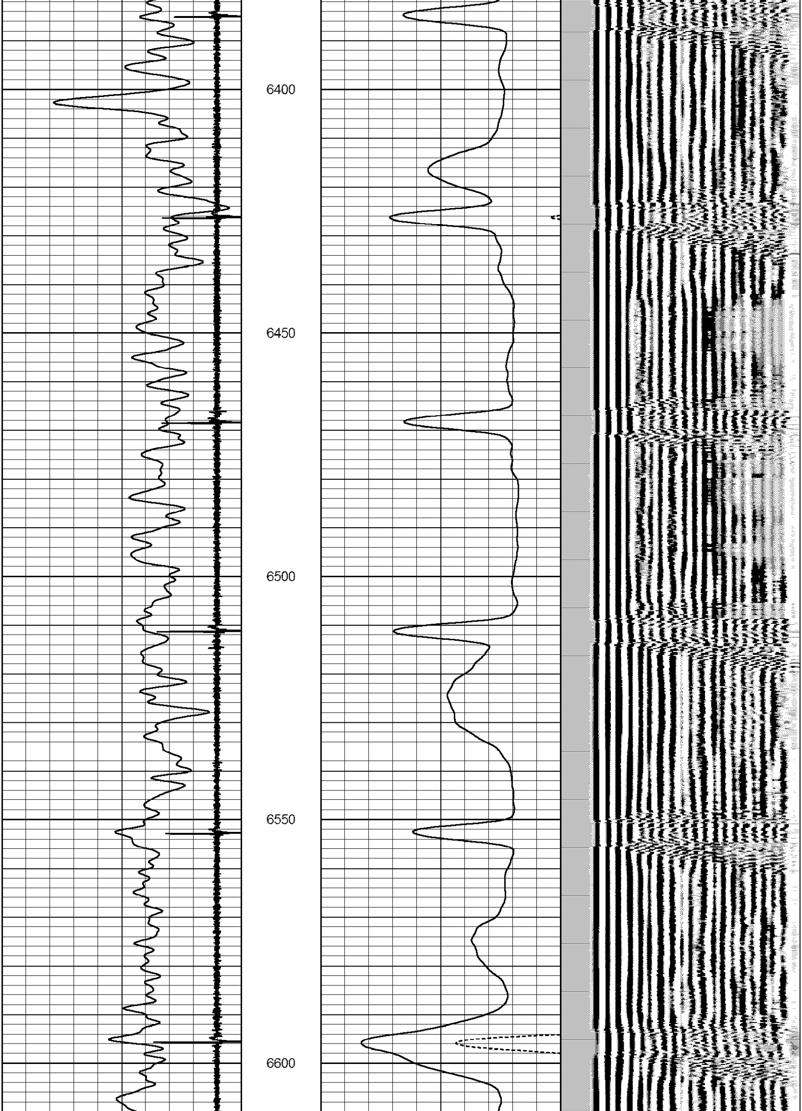
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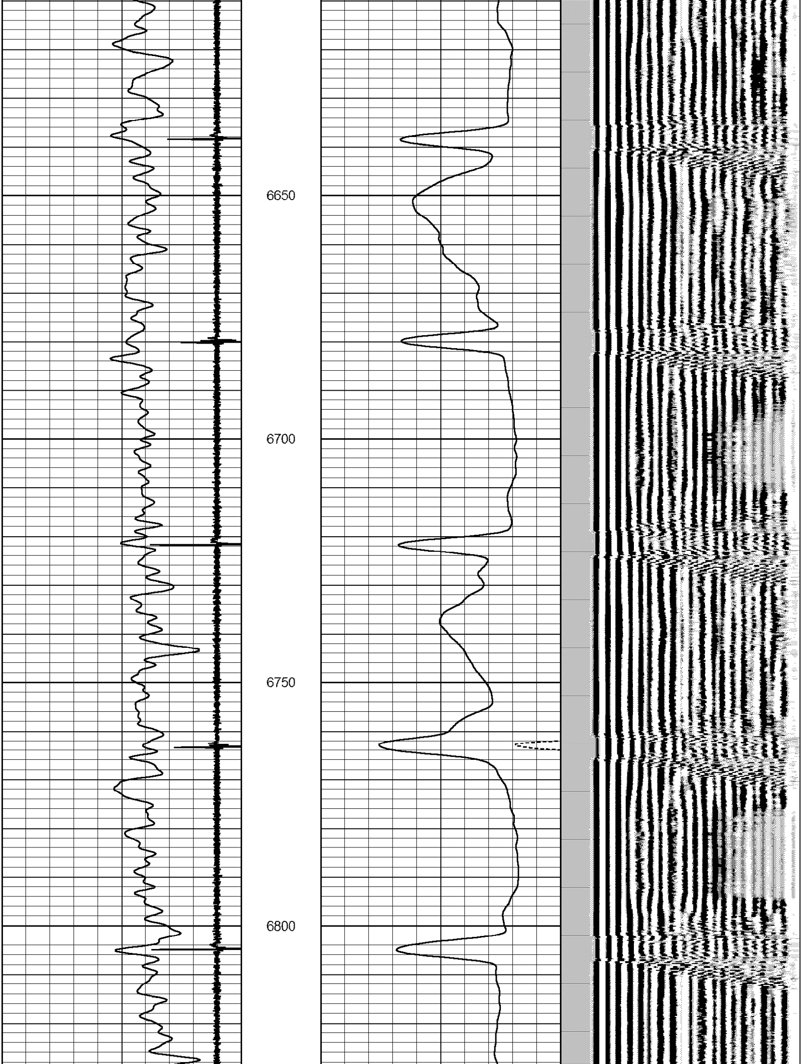
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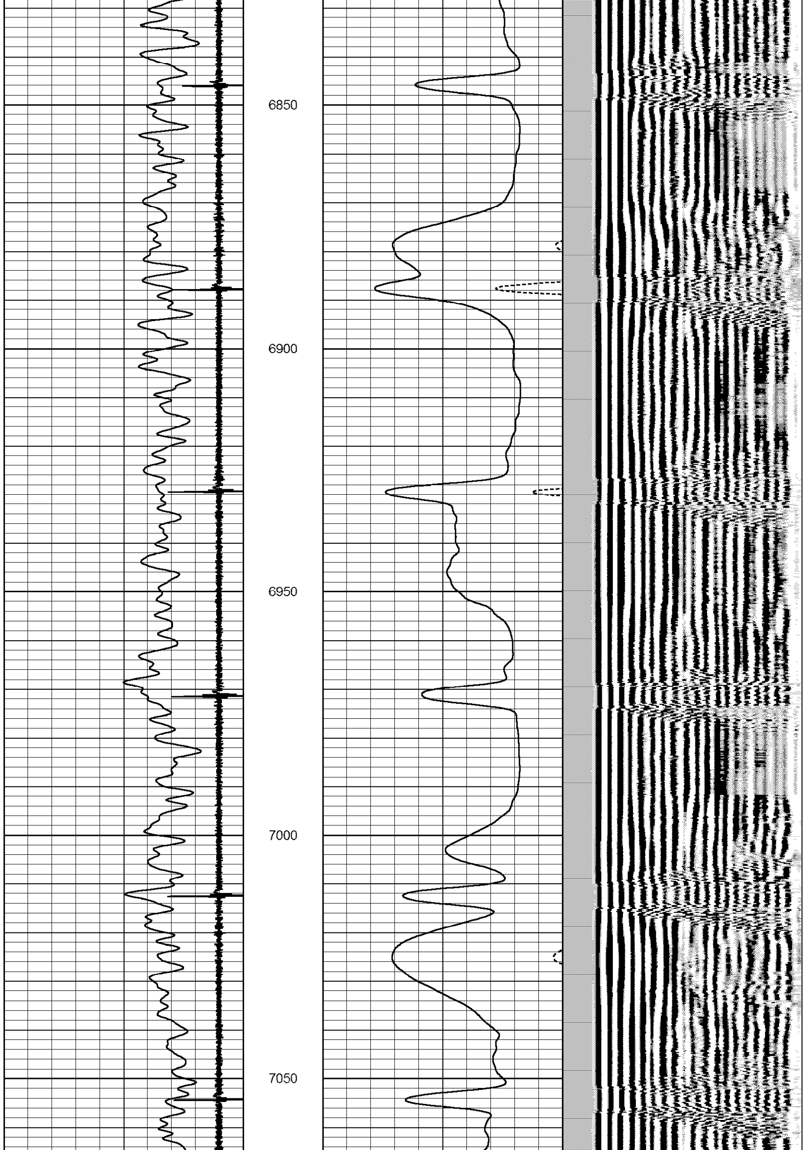
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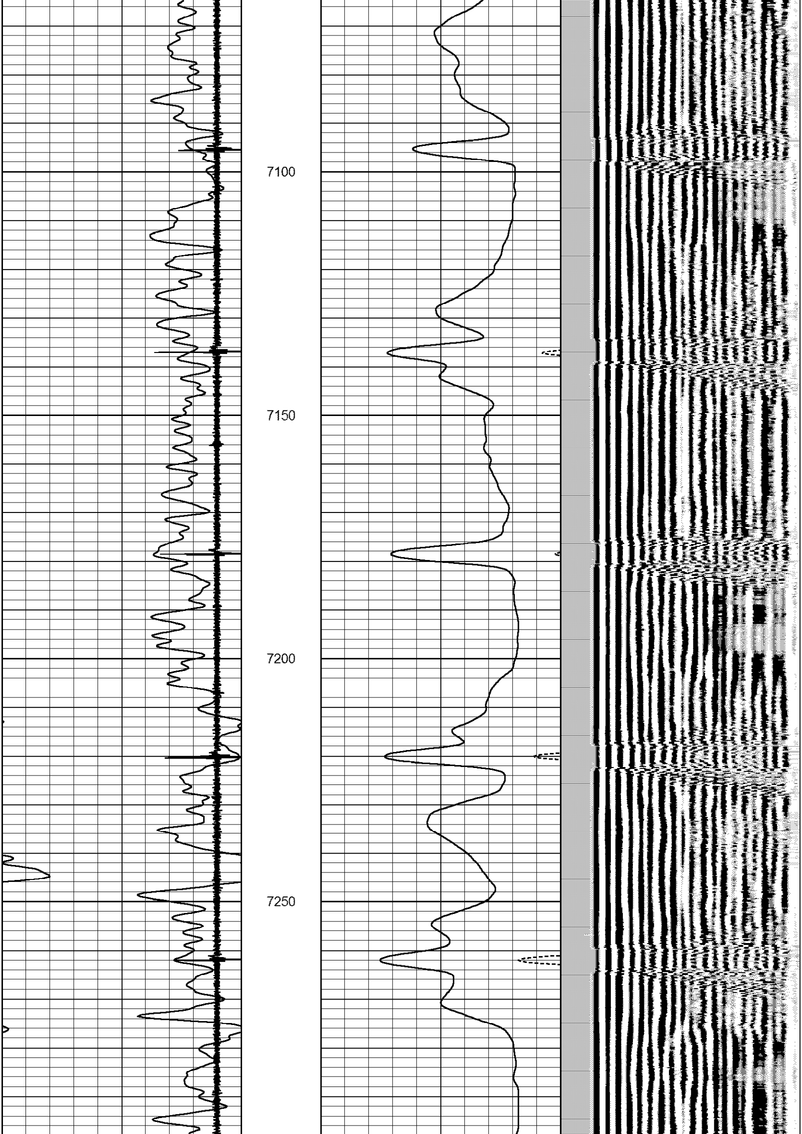
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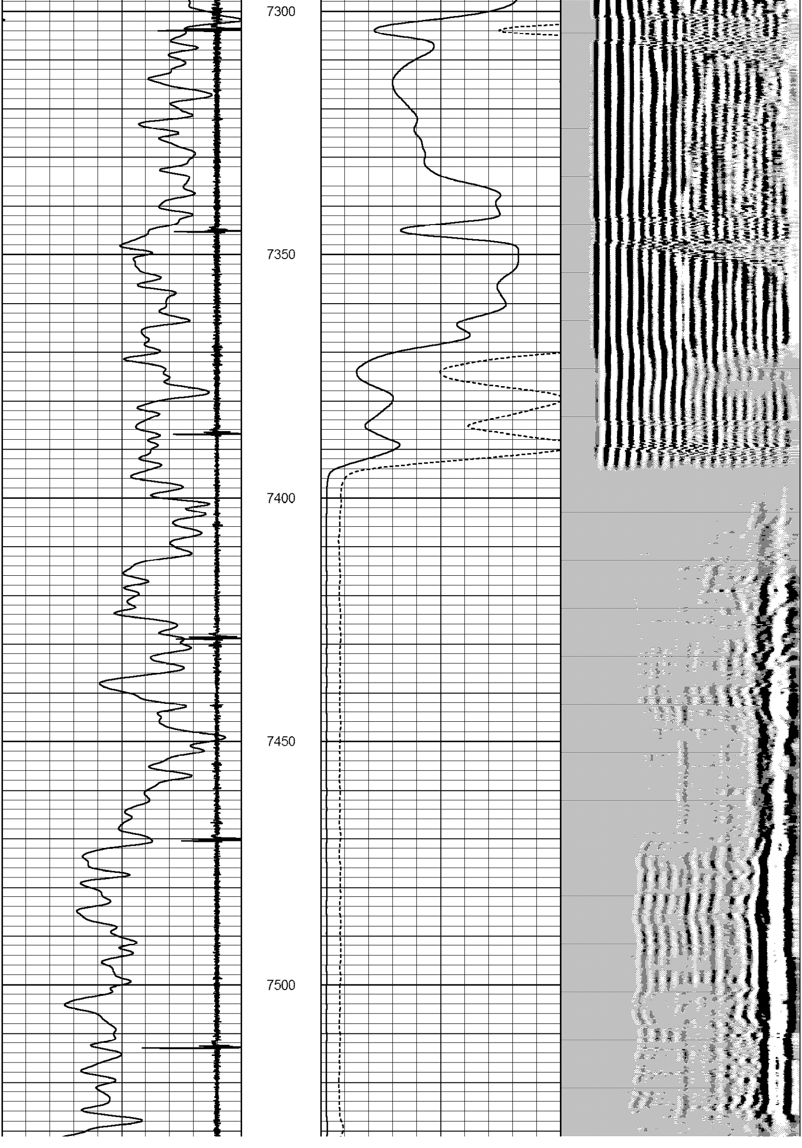
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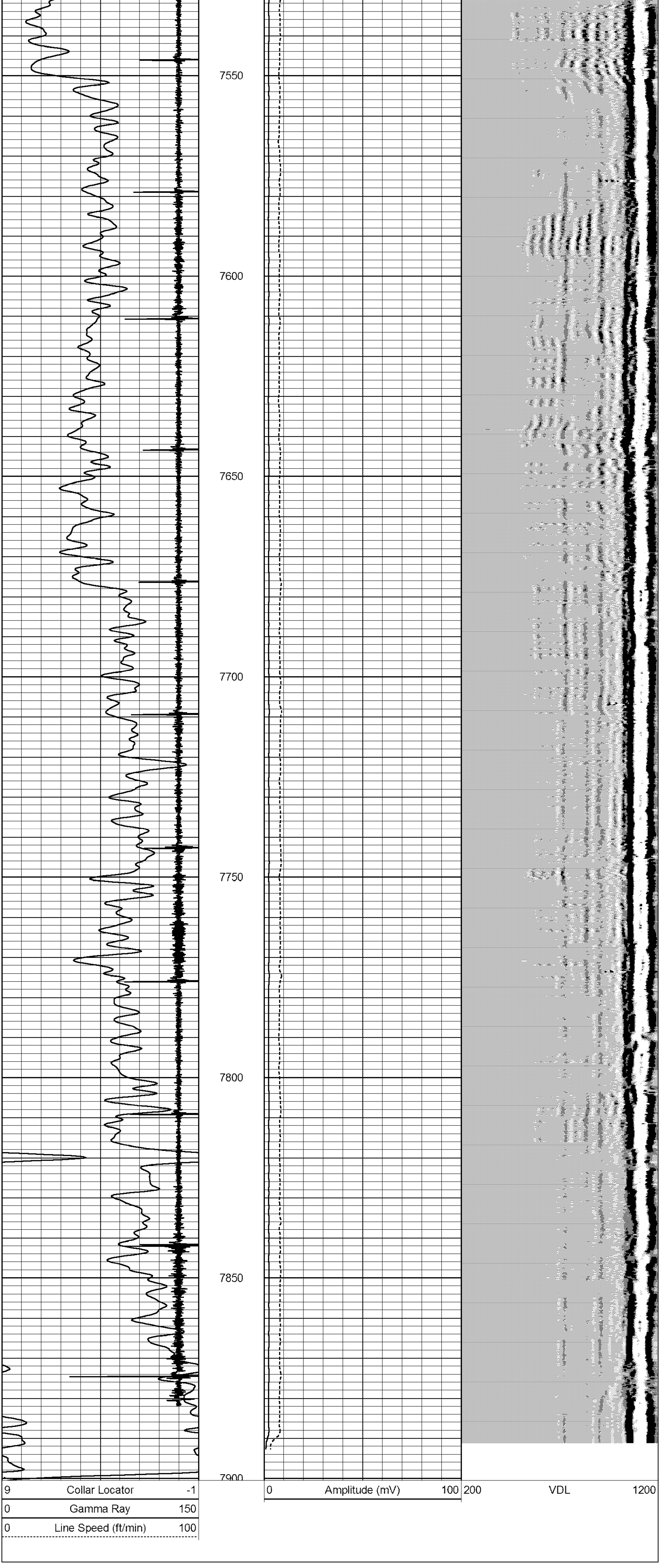

Calibration Report

Database File: ackerson, ellanora m gu1.db
Dataset Pathname: pass6
Dataset Creation: Wed May 08 16:28:52 2013 by Log 0

Gamma Ray Calibration Report

Serial Number: 168
Tool Model: Tek-Co
Performed: Sun Jun 13 13:33:21 1993

Calibrator Value: 1.0

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 /cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1681
Tool Model: 168

Calibration Casing Diameter: 4.500 in
Calibration Depth: 7299.658 ft

Master Calibration, performed Wed May 08 16:21:04 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	2.462	1.000	81.196	32.578	1.000
CAL	0.000	1.326				
5'	0.000	2.500	1.000	81.196	32.078	1.000
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	1.326	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			

Temperature Calibration Report

Serial Number: 1681
Tool Model: 168
Performed: Wed Mar 10 08:15:15 2010

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

Gain: 1.00
Offset: -200.00
Delta Spacing 2