CASEDHOLE SOLUTIONS

CEMENT BOND LOG

Company	WINDSOR ENERGY GROUP, LLC
Well	CSF 11-07-07-91
Field	MAMM CREEK
County	GARFIELD
State	COLORADO

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County GARFIELD State COLORADO

Location: API # : 05045111200000
SURFACE:
2131' FNL & 1927' FWL
SE/NW
SEC 7 TWP 7S RGE 91W

Other Services

Permanent Datum GROUND LEVEL Elevation 6837'
Log Measured From K.B. = 15'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 6852'
D.F. 6851'
G.L. 6837'

Date	8-17-06
Run Number	ONE
Depth Driller	7480'
Depth Logger	7415'
Bottom Logged Interval	7415'
Top Log Interval	3600'
Open Hole Size	7.875"
Type Fluid	FRESH WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	4370'
Time Well Ready	3:45 P.M.
Time Logger on Bottom	4:15 P.M.
Equipment Number	101
Location	VERNAL, UT
Recorded By	D. MECHAM
Witnessed By	J. DSCHAAK

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"		SURFACE	1385'
Prot. String				
Production String	4.5"	11.6#	SURFACE	T.D.
Liner				

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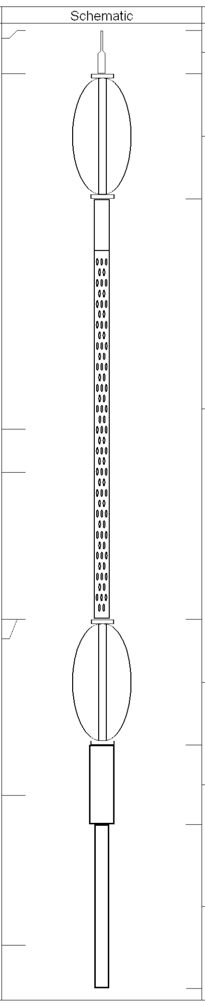
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

CORRELATED TO HALLIBURTON
HIGH RESOLUTION INDUCTION LOG

Schematic



Sensor	Offset (ft)
CHD	17.67
CENT	16.67
WVF3FT	8.46
WVF5FT	7.46
WVFSYNC	4.06
CENT	4.06
CCL	0.00
GR	-3.46

Description	Len (ft)	OD (in)	Wt (lb)
SDSCHD Cable Head for Testing	1.00	1.69	10.00
CENTTEK1.1 1 3/4" APPLIED CENTRALIZER	2.90	1.75	10.00
CBLTEKCO-TEKCO (TEK35_1687.01) TEKCO 1 11/16" 3-5' CEMENT BOND TOOL	9.71	1.69	40.00
CENTTEK1.1 1 3/4" APPLIED CENTRALIZER	2.90	1.75	10.00
CCL-CCLTEK275 (CCLTEK275.01) 2 3/4" TEKCO LOGGING COLLAR LOCATOR	1.83	2.75	20.00
GR-GRSTEK1.6 (GRSTEK1.1) 1 11/16" TEKCO SCINT. LOGGING GAMMA RAY	3.79	1.69	20.00

Dataset: /field/well/run/_plots_/_jobs_/job1
Total Length: 22.12 ft
Total Weight: 110.00 lb
O.D. 2.75 in

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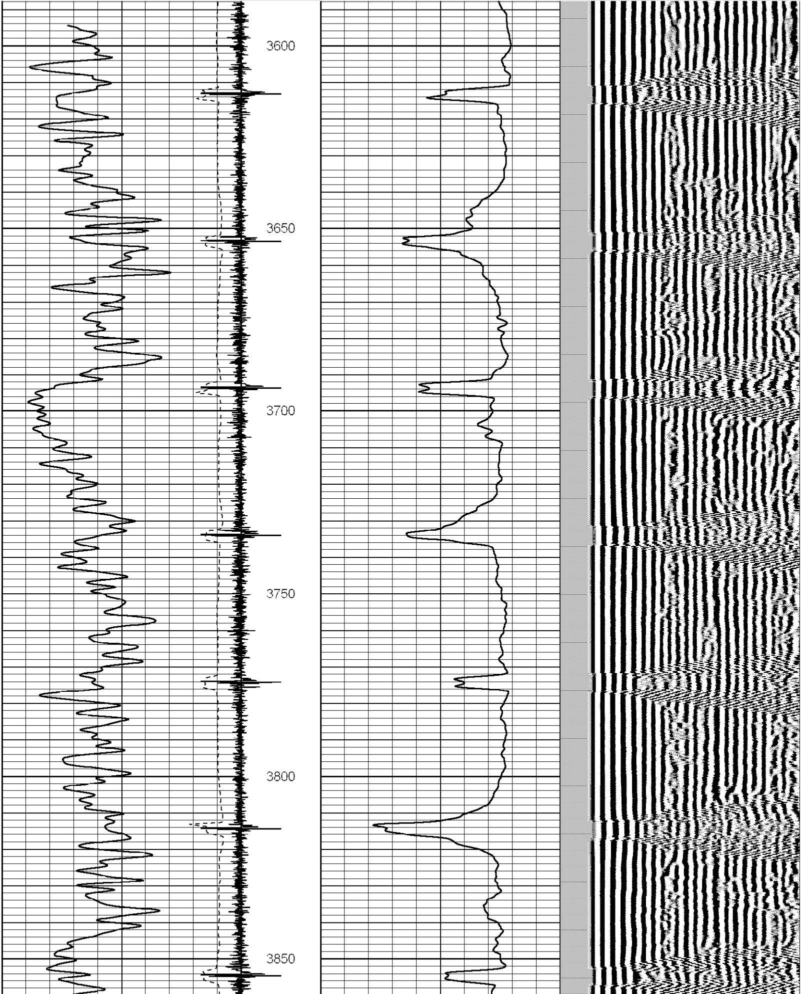
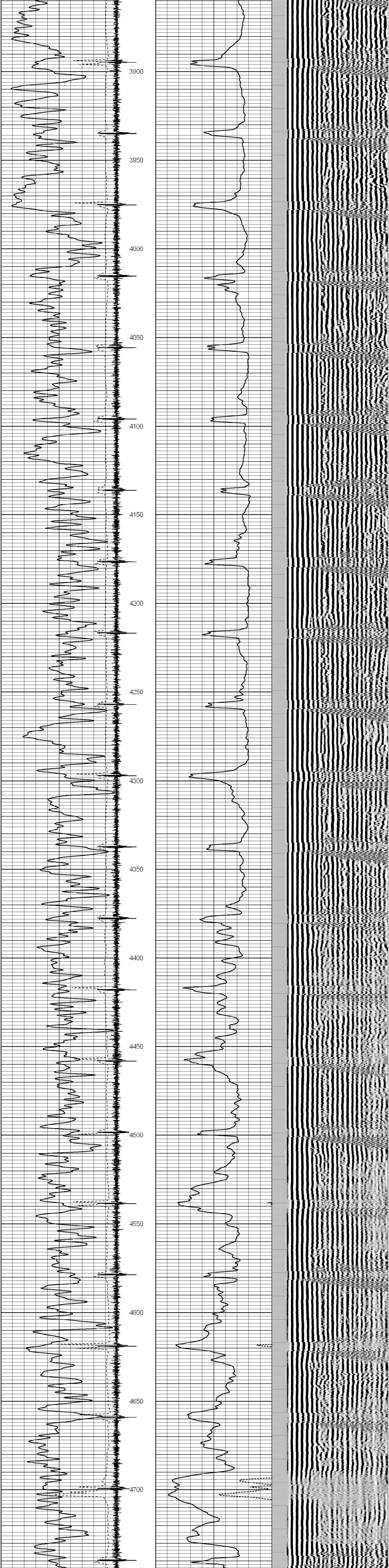
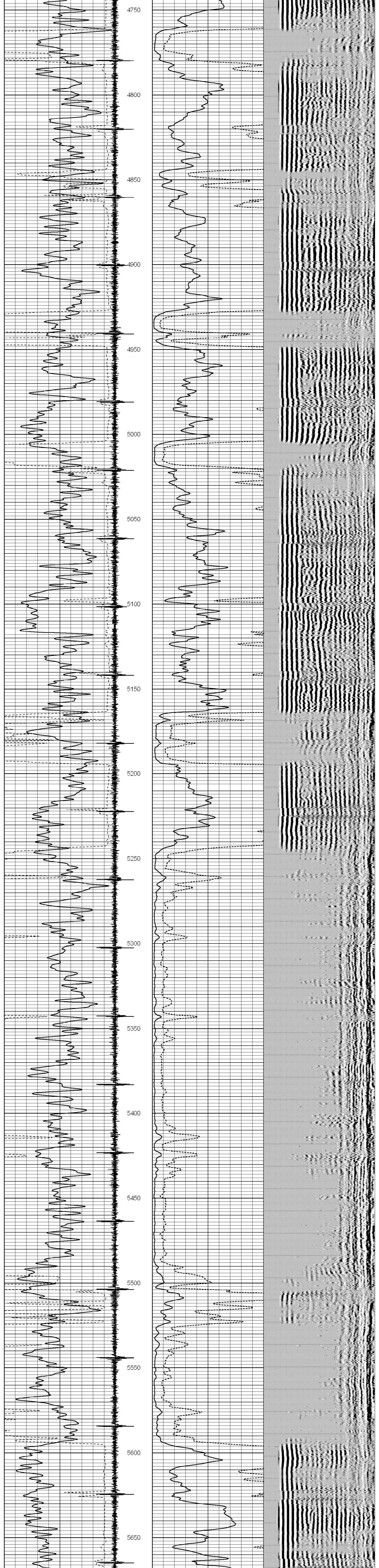
MAIN PASS "0" P.S.I.

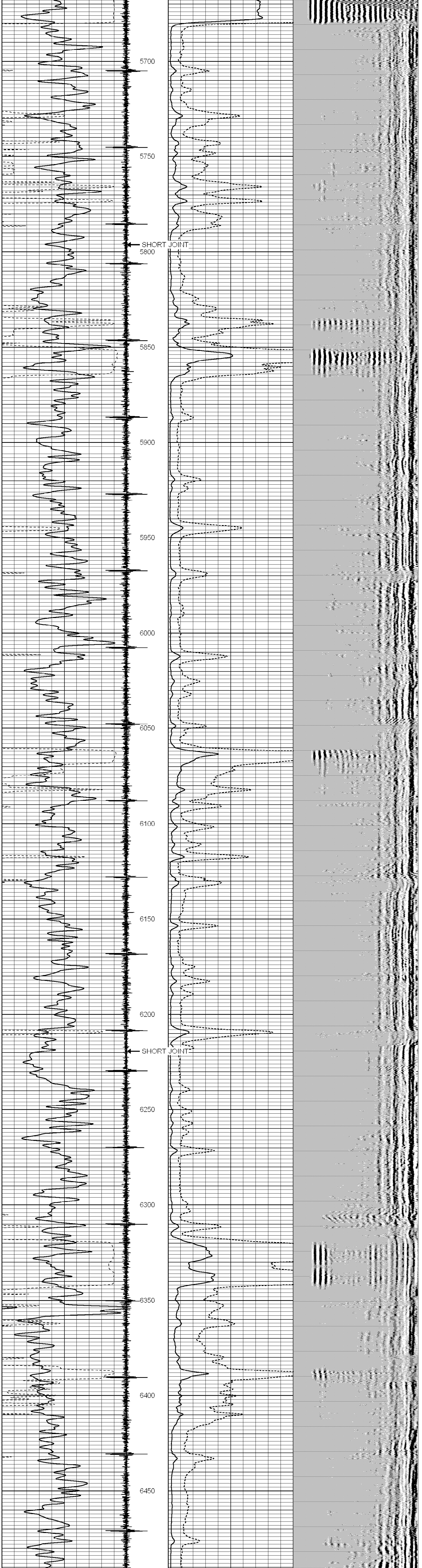
Database File: v-2010.db
Dataset Pathname: pass4
Presentation Format: vercbl
Dataset Creation: Thu Aug 17 16:14:53 2006 by Log Warrior 7.0 STD Cas
Charted by: Depth in Feet scaled 1:240

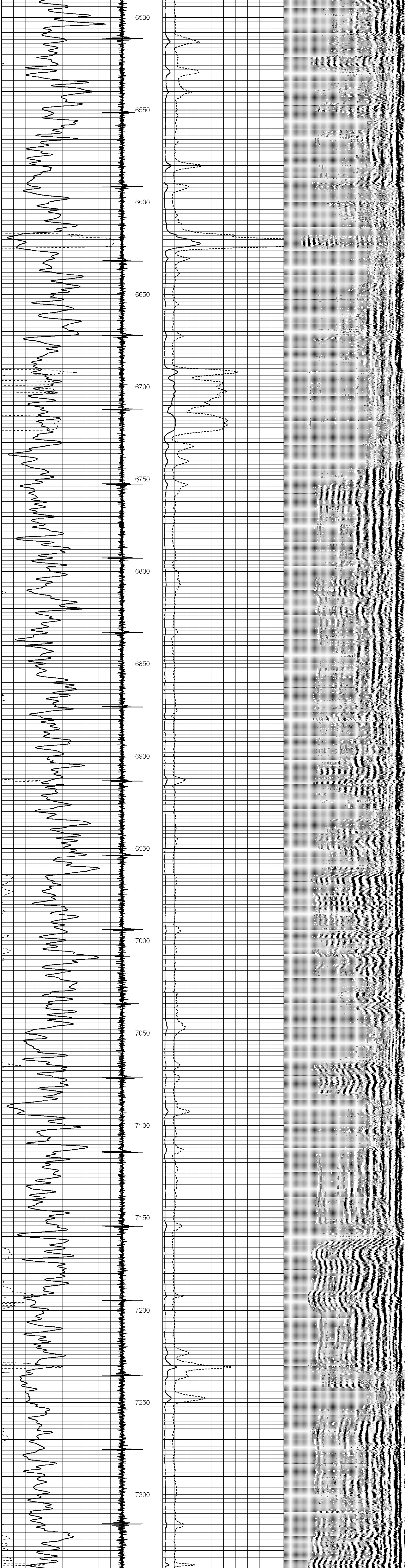
320 TRAVEL TIME (usec) 220 0 Gamma Ray (GAPI) 150	0 AMP AMPLITUDE (mV) 20 0 AMPLITUDE (mV) 100	200 VDL 1200
Collar Locator 5 -5		

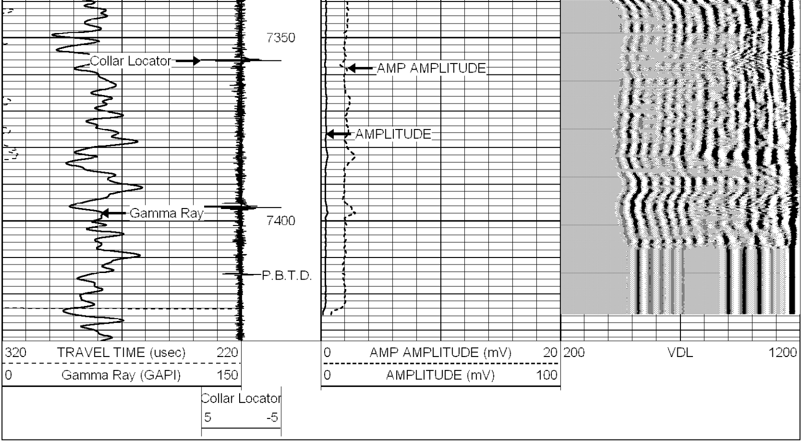












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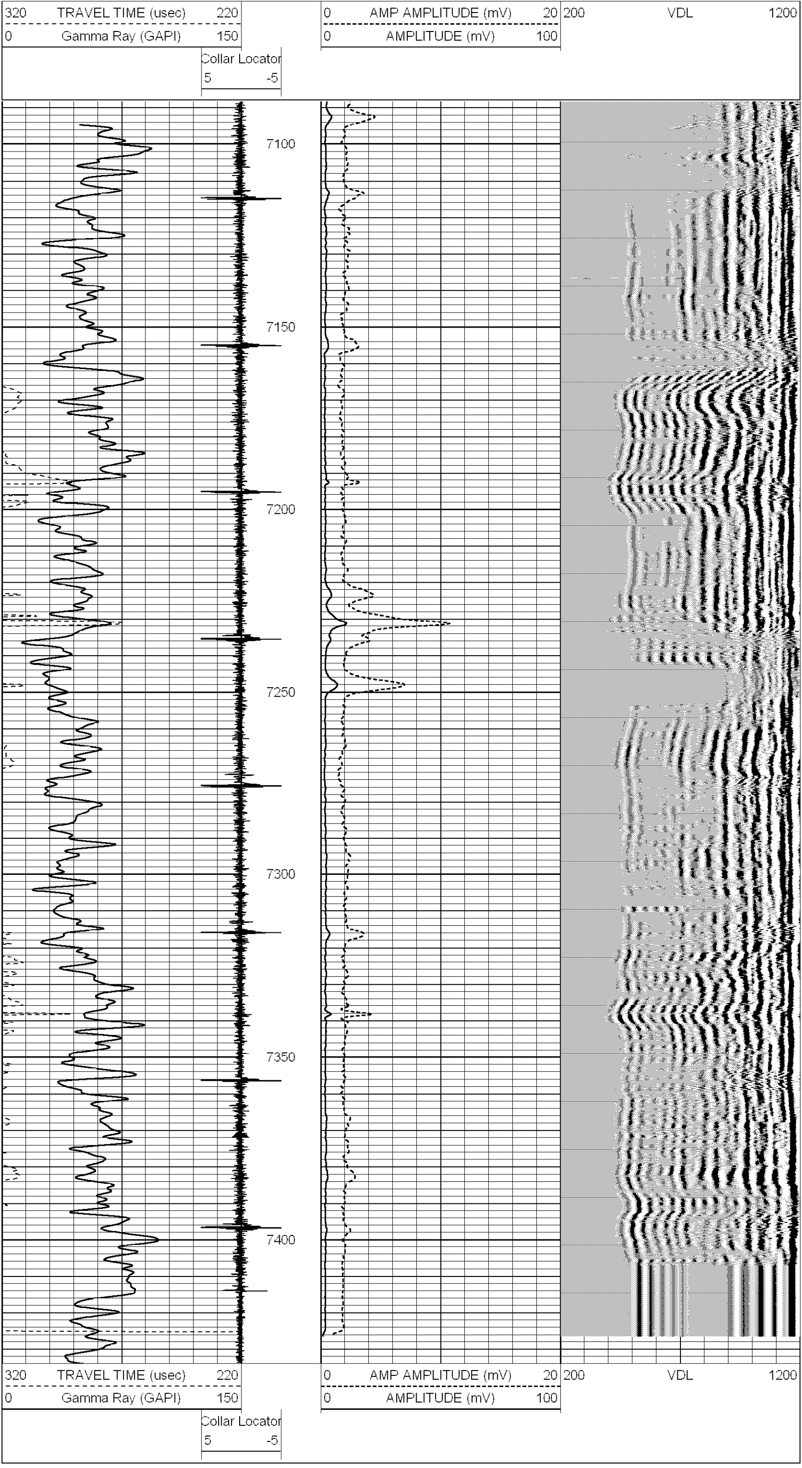
REPEAT PASS "0" P.S.I.

Database File: v-2010.db
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Charted by: Depth in Feet scaled 1:240