BRAN-DEX

WIRELINE SERVICES

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

Company ENCANA OIL & GAS (USA) INC.
Well WILLIAMS 43-18
Field WATTENBERG
County WELD
State CO

Company ENCANA OIL & GAS (USA) INC.

Well WILLIAMS 43-18

Field WATTENBERG

County WELD State CO

Location: API # :

2146' FSL & 657' FEL
NE SE

SEC 18 TWP 2N RGE 68W

Other Services

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

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

Date	FEBURARY 1 2007		
Run Number	ONE		
Depth Driller	8052		
Depth Logger	8012		
Bottom Logged Interval	8010		
Top Log Interval	3520		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.	255		
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom			
Equipment Number	579		
Location	STERLING		
Recorded By	DIZMANG		
Witnessed By	GARY CUMMINGS		

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 1/2"			
Liner				

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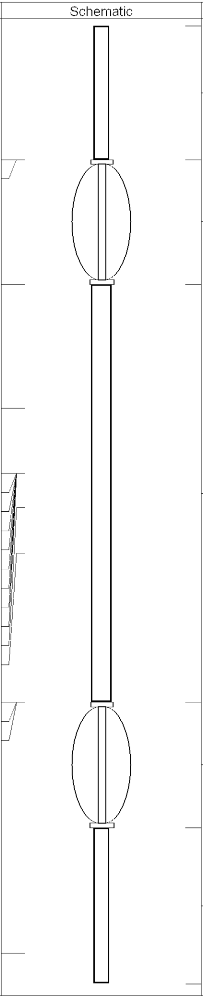
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

CORRECTED UPHOLE 3' TO CORRELATE TO
PSI OPENHOLE LOG DATED JANUARY 27 2007
SUSSEX LOGGED UNDER 1000 PSI

Sensor	Offset (ft)
CENT	17.99
CCL	17.99
SCBLTEKSECT	15.26
TEMP	12.57
WVFCAL	11.15
WVFS1	11.15
WVFS2	11.15
WVFS3	11.15
WVFS4	11.15
WVFS5	11.15
WVFS6	11.15
WVFS7	11.15
WVFS8	11.15
WVF3FT	10.40
WVF5FT	9.40
WVFTEMP	6.15
WVFSYNC	6.15
CENT	6.15
GR	0.67

Schematic

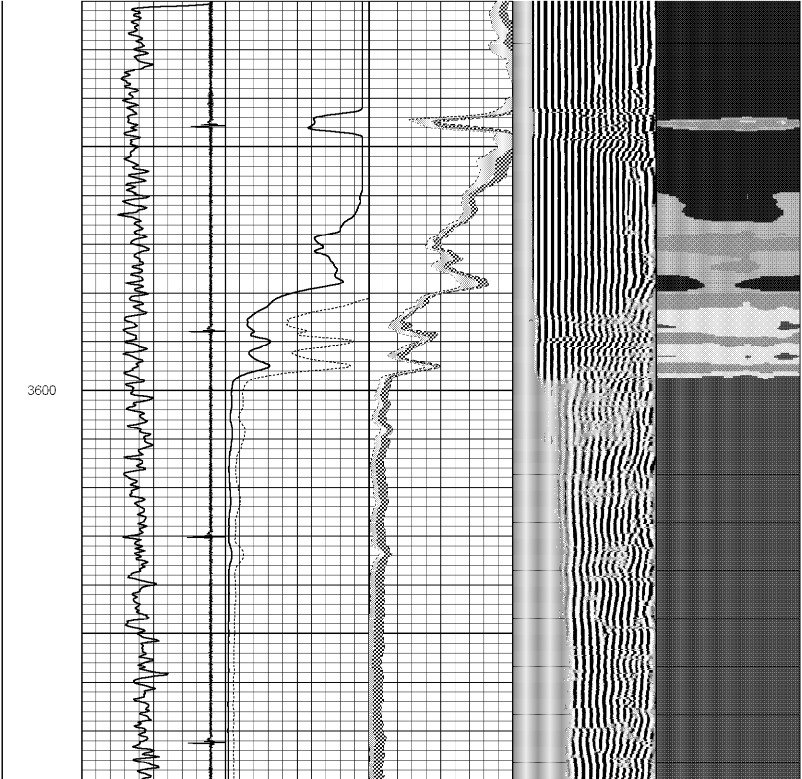


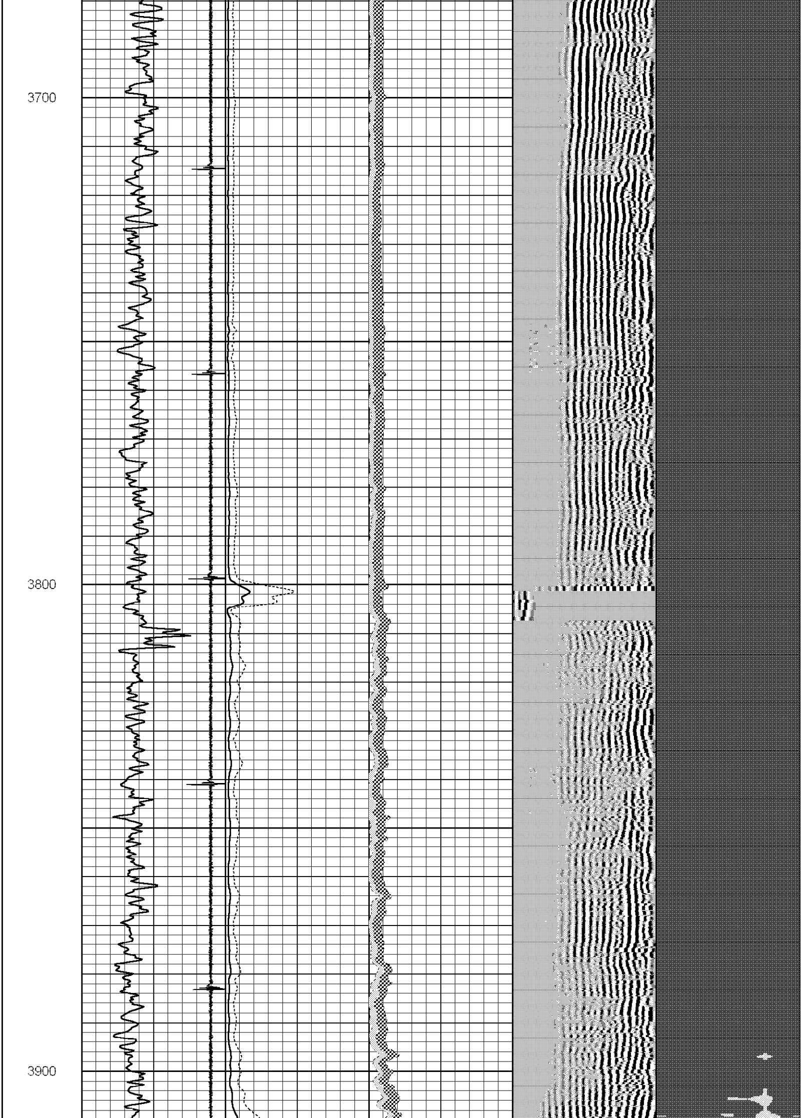
Description	Len (ft)	OD (in)	Wt (lb)
CCL-S_101 (101)	2.92	1.69	11.00
CENT-TEKCO (101)	2.73	2.75	10.00
SCBLTEKSECT-225Temp (T225t_001) TekCo 2 1/4" Sector Tool with Temperature	9.11	2.25	75.00
CENT-TEKCO (102)	2.73	2.75	10.00
GR-FLEX (100) Flexstack Gamma Ray	3.42	1.69	22.05

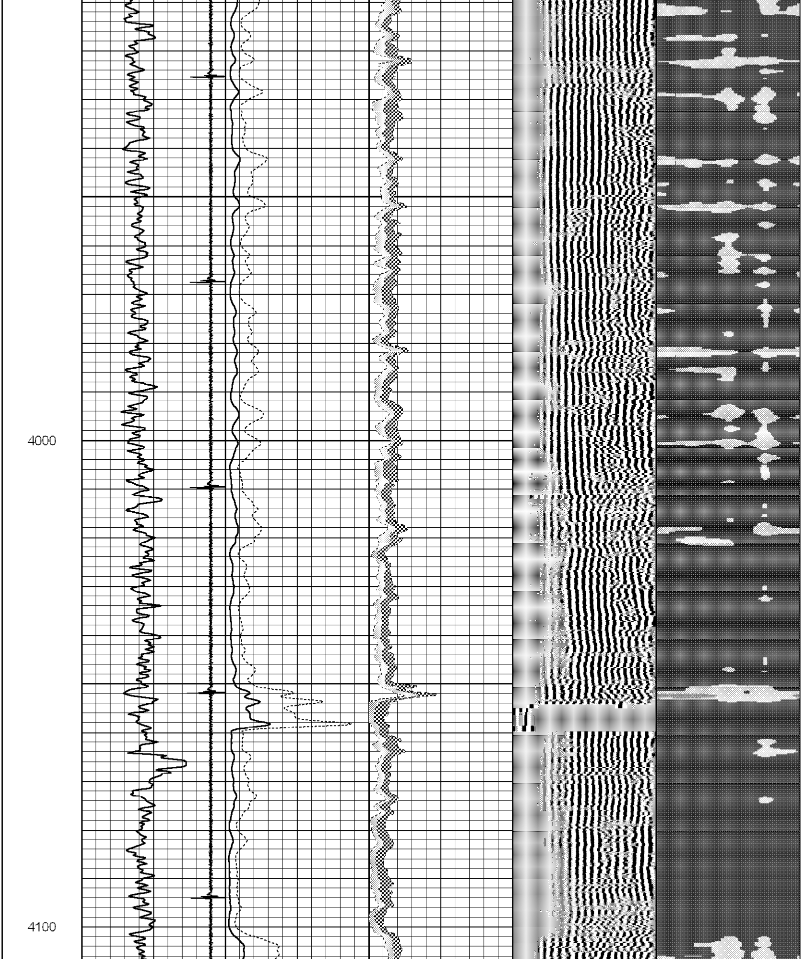
Dataset: williams43-18.db: field/well/run1/pass5
Total Length: 20.91 ft
Total Weight: 128.05 lb
O.D. 2.75 in

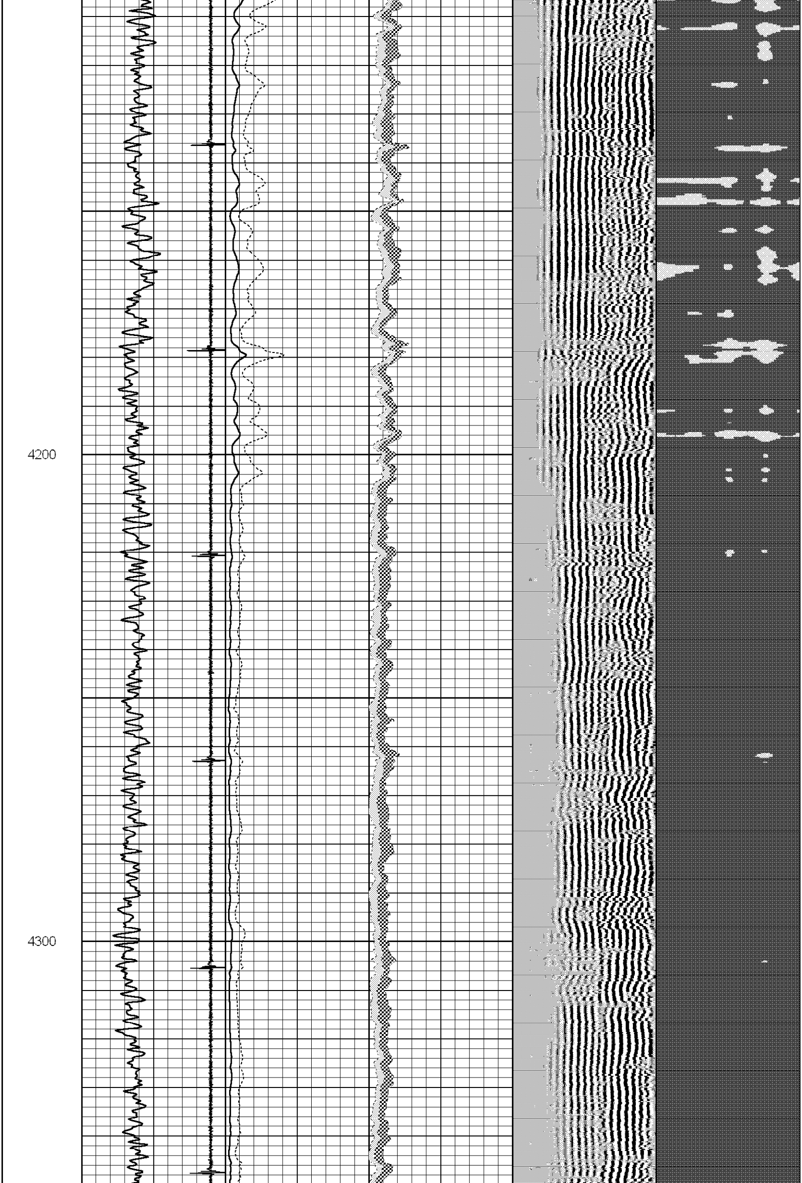
Database File: c:\warrior\data\williams43-18.db
Dataset Pathname: pass5
Presentation Format: scbl02
Dataset Creation: Thu Feb 01 11:47:50 2007 by Log Std Casedhole 06040
Charted by: Depth in Feet scaled 1:240

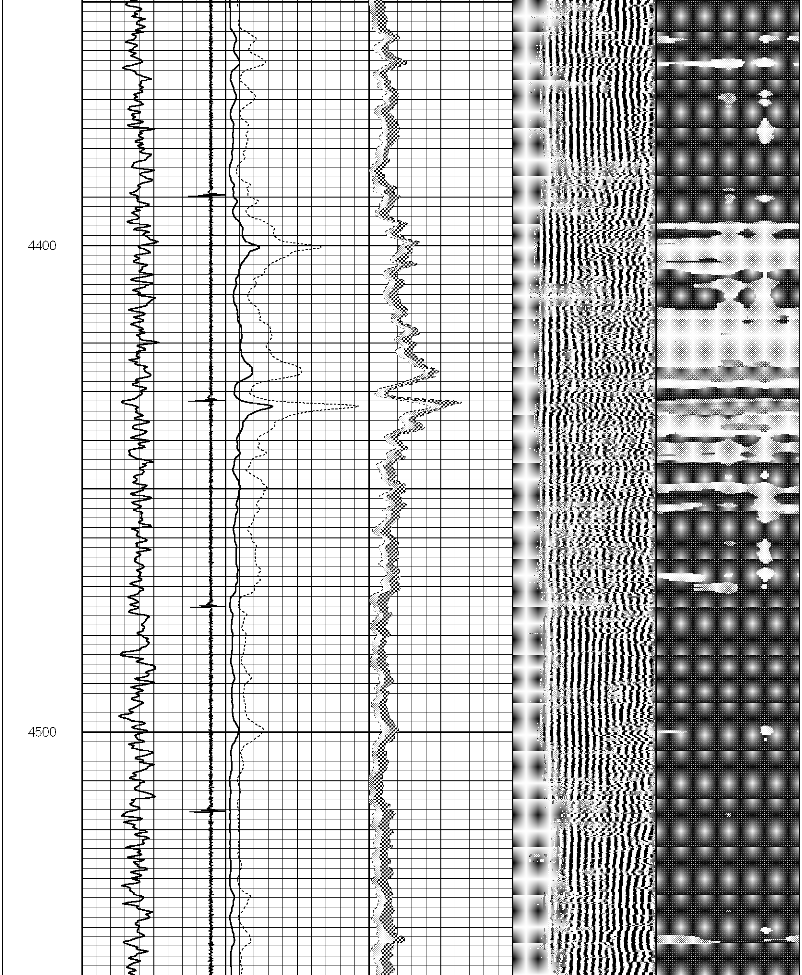
320 TT (usec) 220	0 AMP (mV) 85	0 AMPAVG 100	200 VDL 1200	1 SECTORS 8
-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 100		
0 GR (GAPI) 300		0 AMPMIN 100		





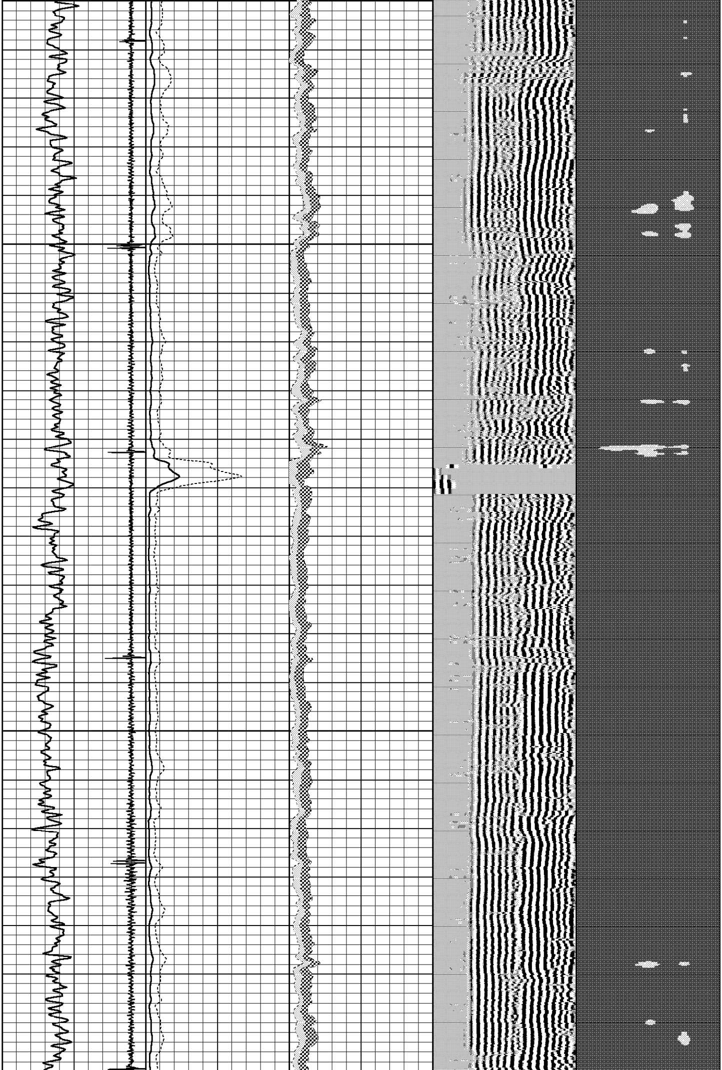


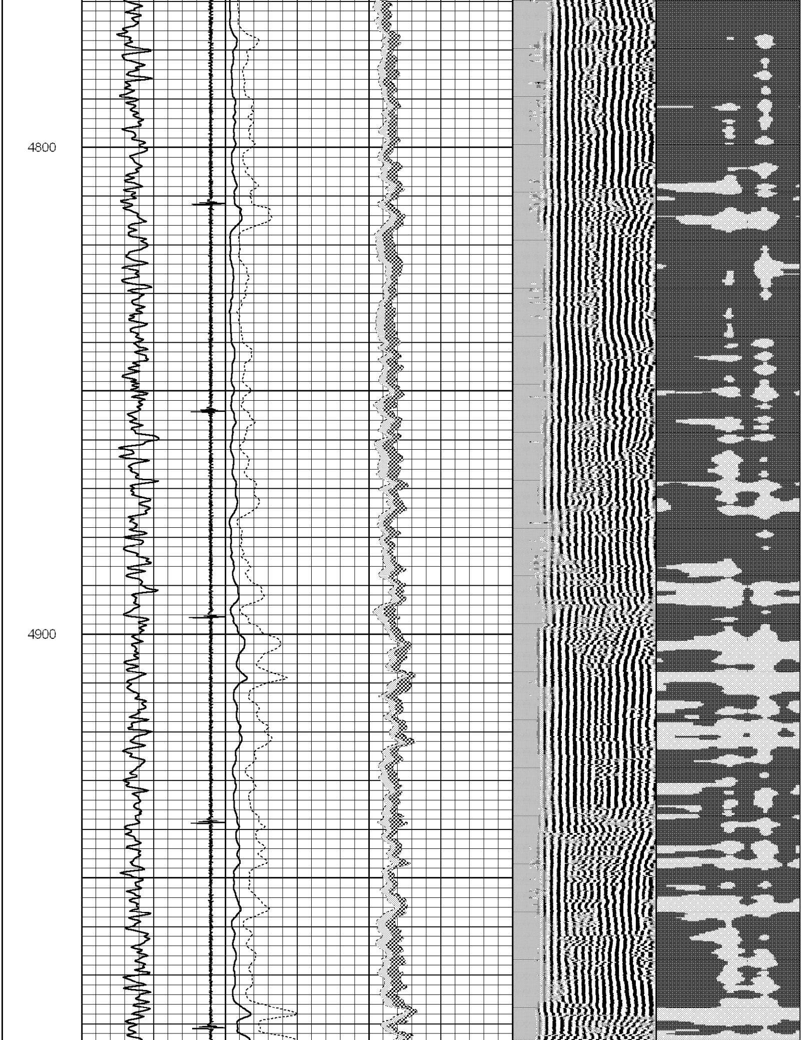


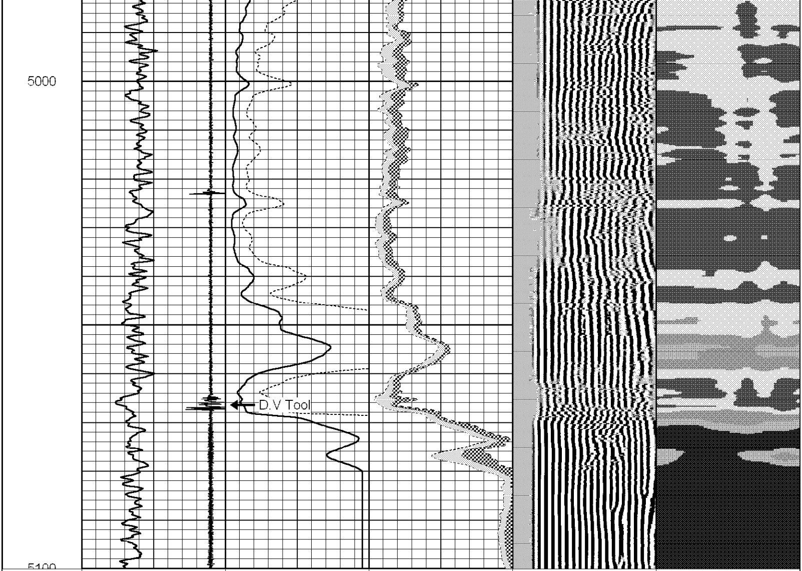


4600

4700







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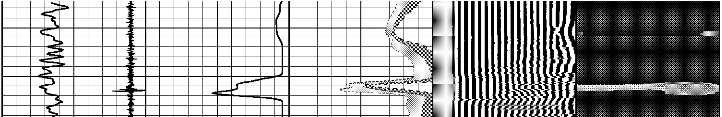
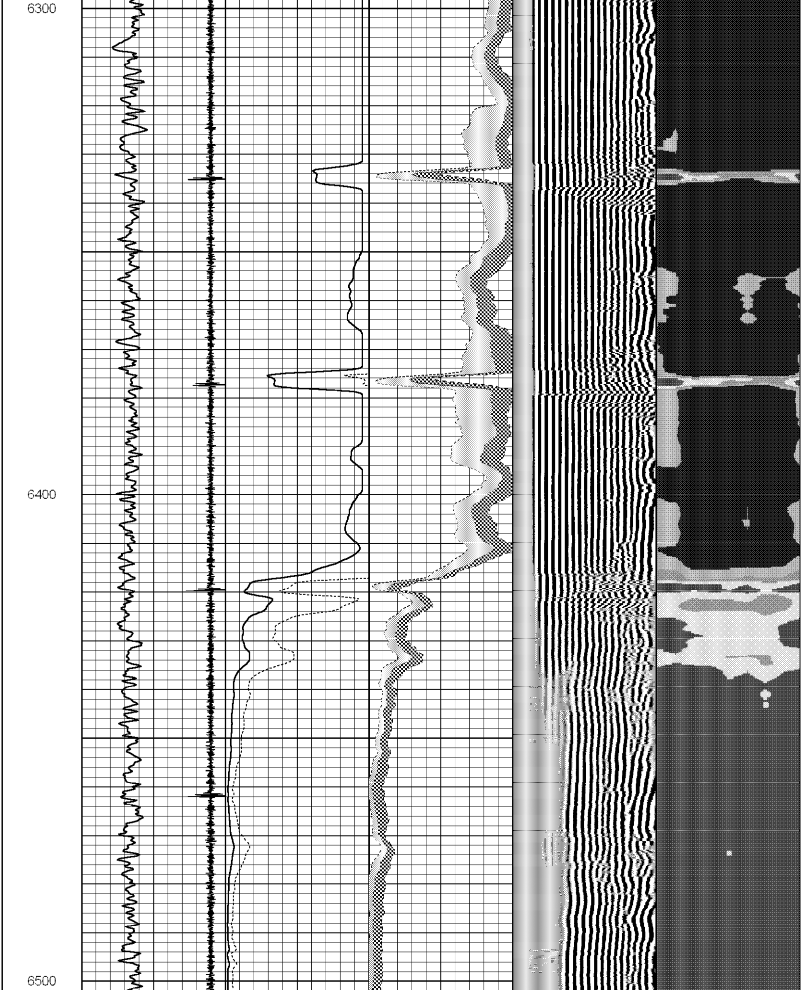
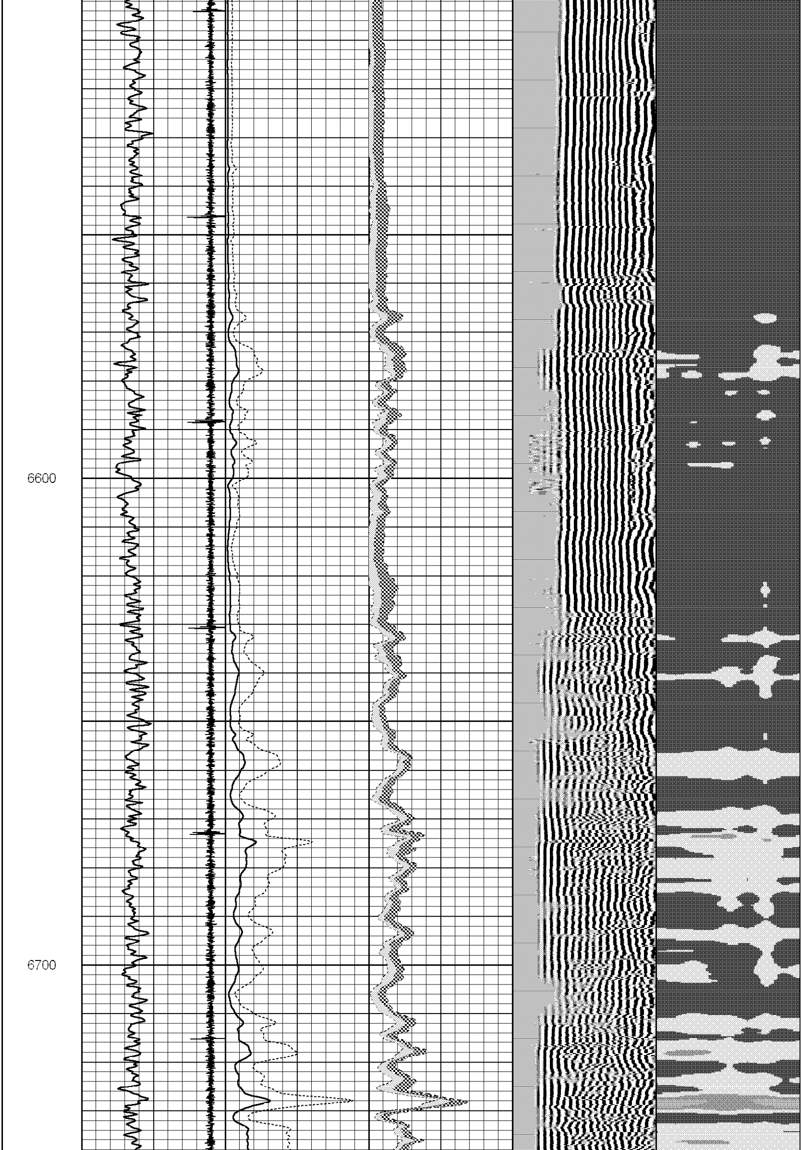
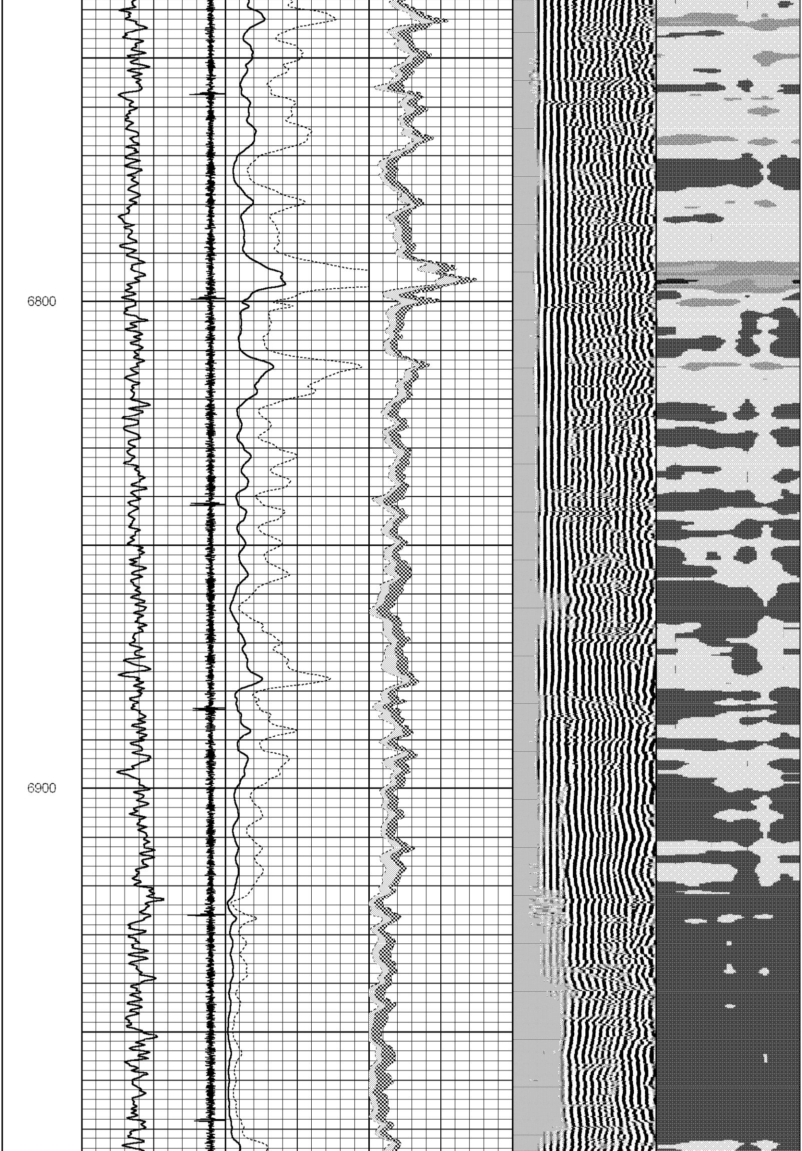
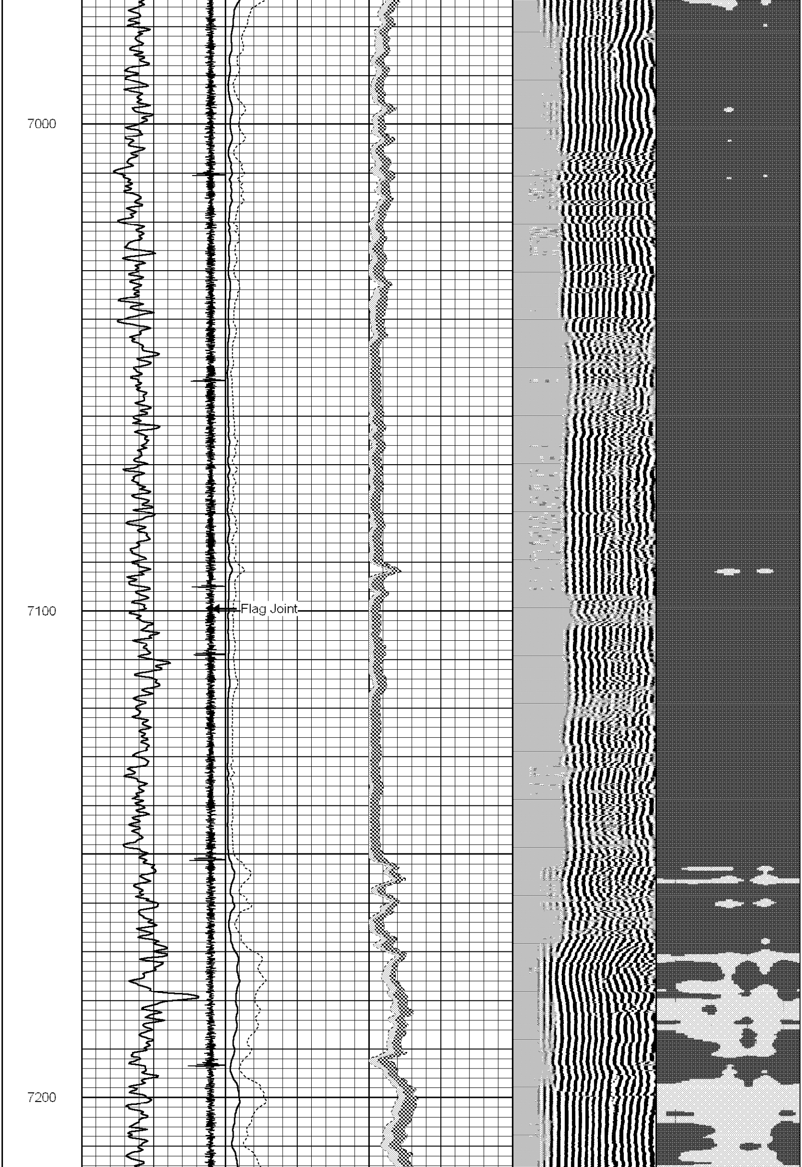
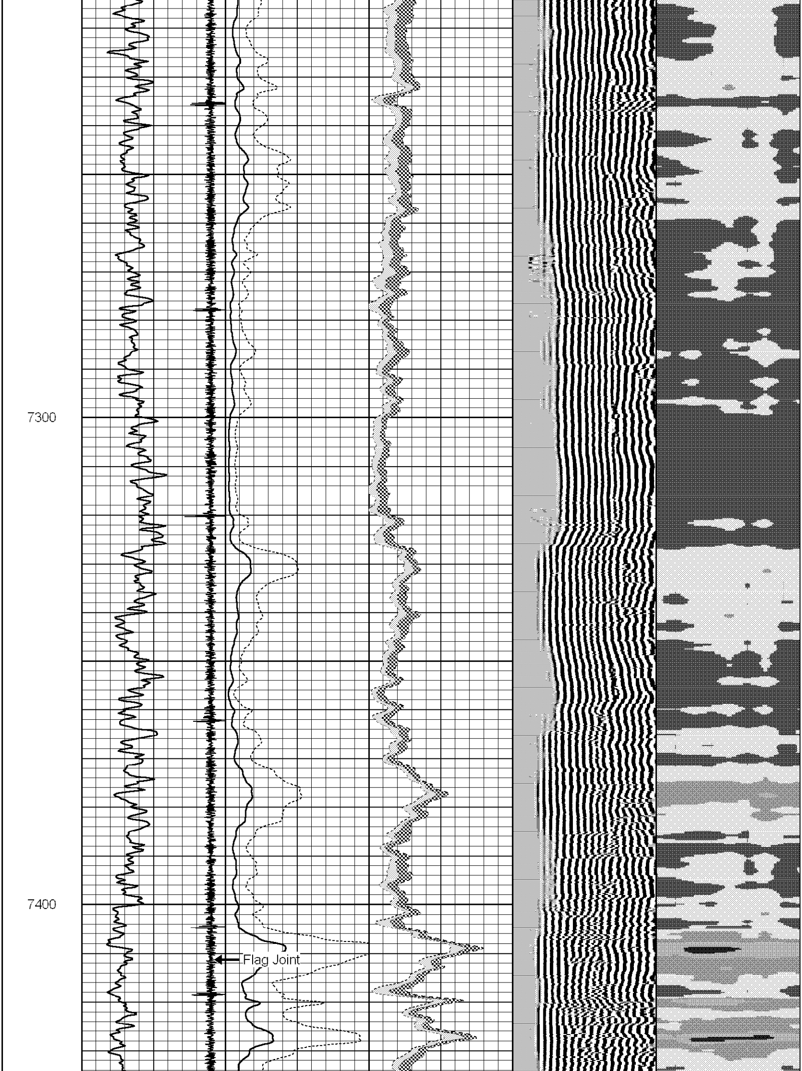
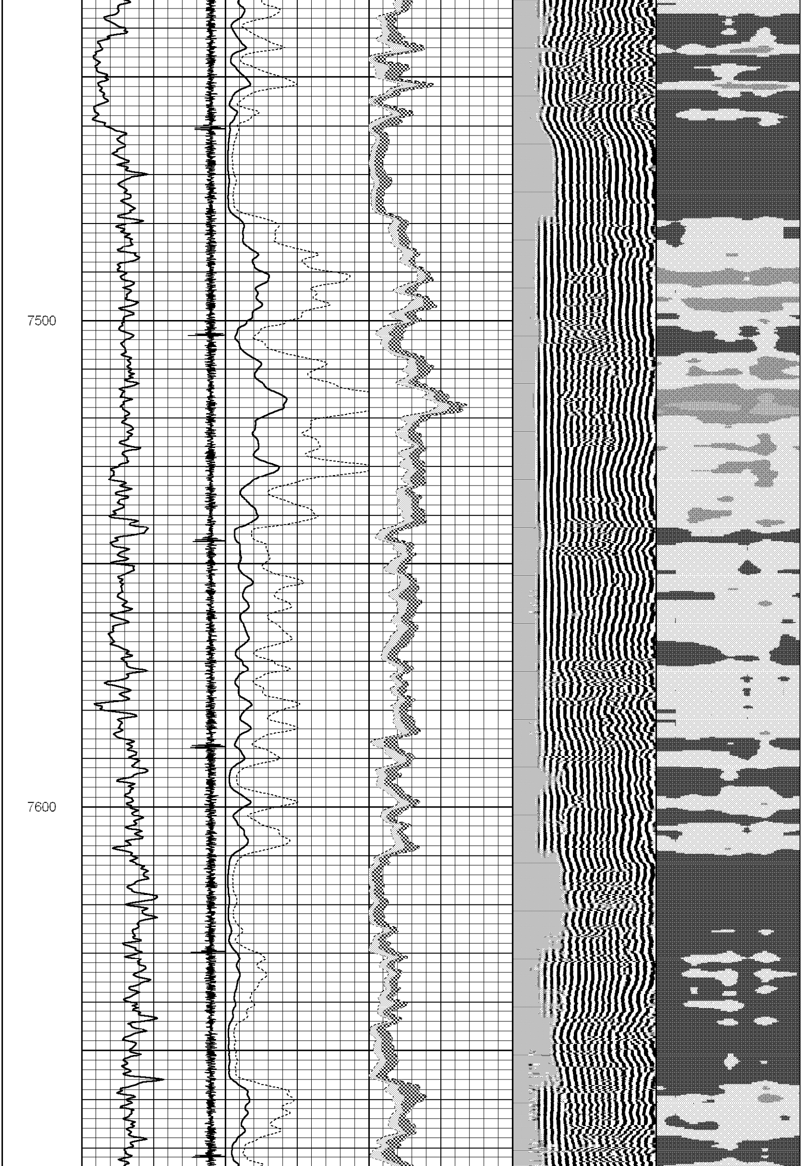
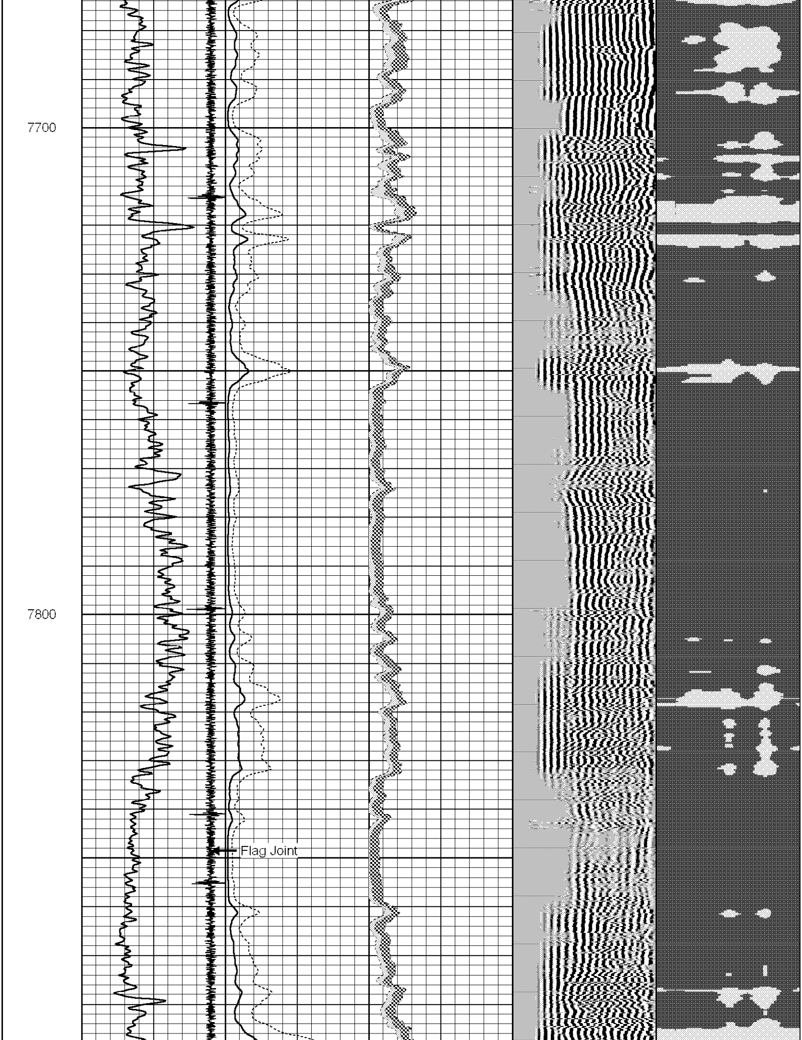
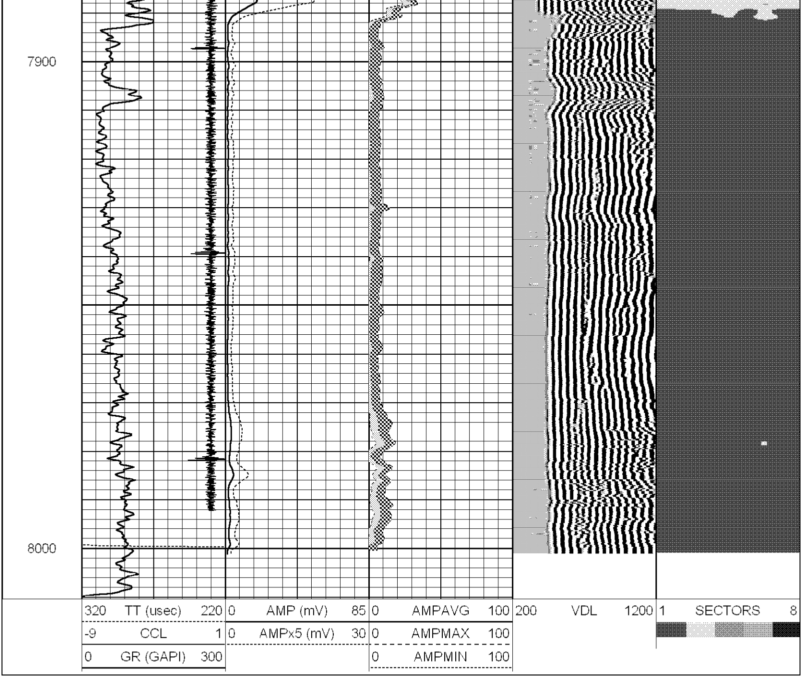
-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 100		▨▨▨▨▨
0 GR (GAPI) 300		0 AMPMIN 100		

Database File: c:\warrior\data\williams43-18.db
Dataset Pathname: pass3
Presentation Format: scbl02
Dataset Creation: Thu Feb 01 10:55:26 2007 by Log Std Casedhole 06040
Charted by: Depth in Feet scaled 1:240

320 TT (usec) 220	0 AMP (mV) 85	0 AMPAVG 100	200 VDL 1200	1 SECTORS 8
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