J-W WIRELINE COMPANY

GAMMA RAY CCL
CEMENT BOND VDL

Company NOBLE ENERGY INC
Well AL CROISSANT 1
Field WILDCAT
County WELD
State COLO

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Well AL CROISSANT 1
Field WILDCAT
County WELD State COLO

Location: API # : 05123092870000

SWNE

SEC 21 TWP 8N RGE 59W

Other Services

Permanent Datum	GL	Elevation	4794
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4800
D.F. 0
G.L. 4794

Date	11-13-2013		
Run Number	ONE		
Depth Driller			
Depth Logger	6000		
Bottom Logged Interval	6000		
Top Log Interval	5400		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	6060		
Time Well Ready	1130		
Time Logger on Bottom	1155		
Equipment Number	2269		
Location	STERLING		
Recorded By	MIKE ADAMSON		
Witnessed By	KELLY REINHART		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	5.5			
Production String				
Liner				

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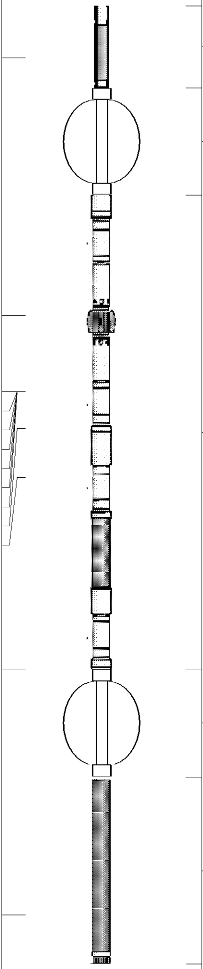
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

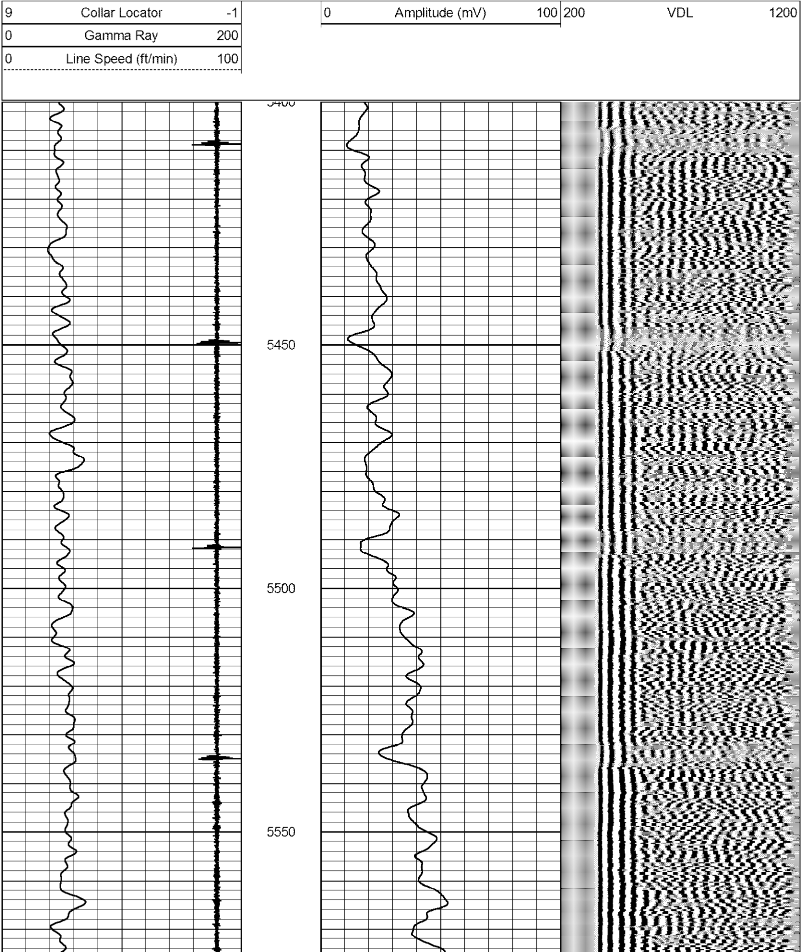
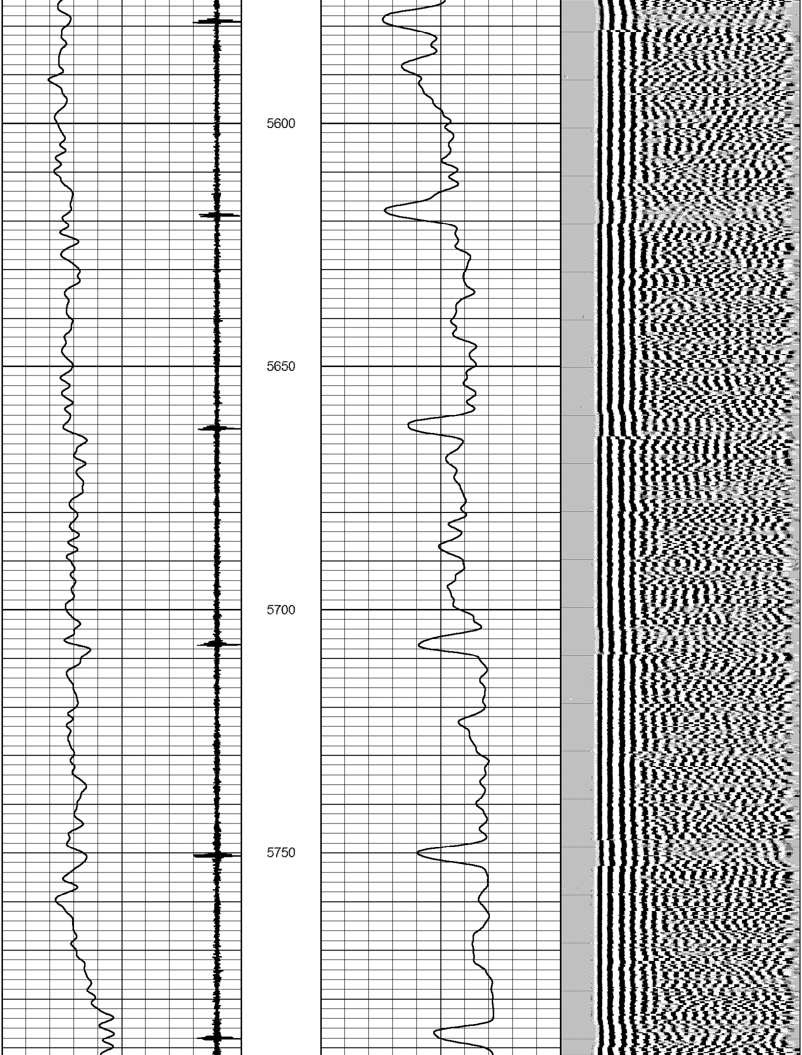
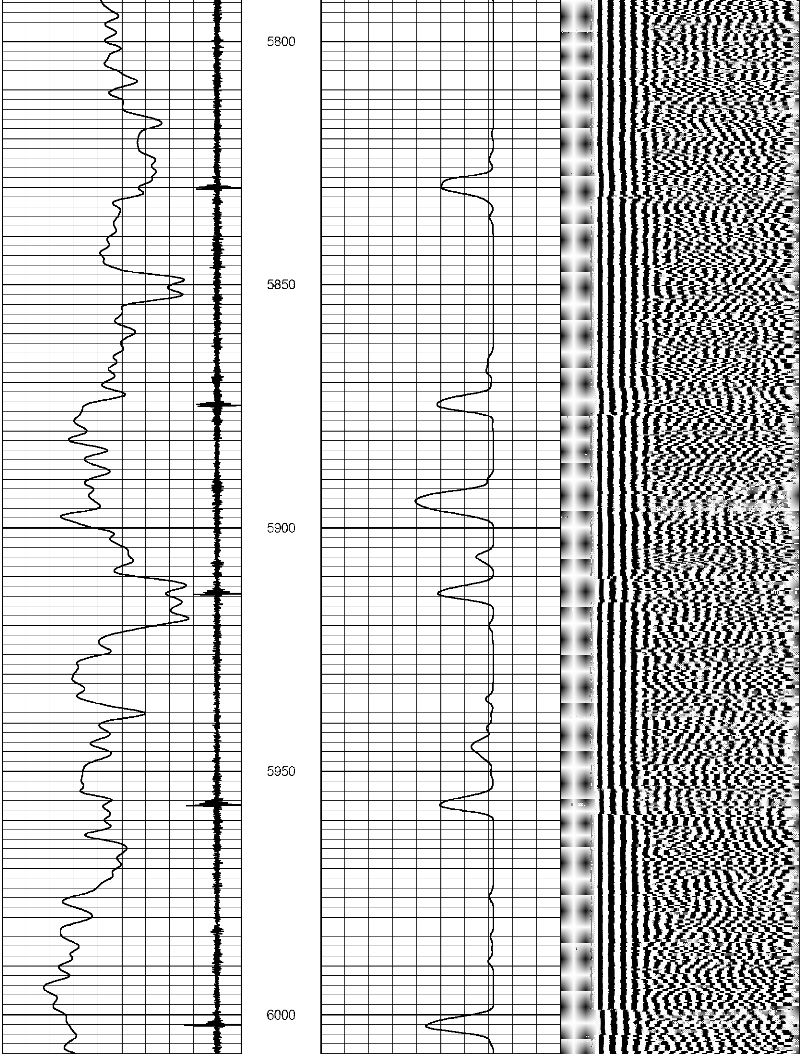
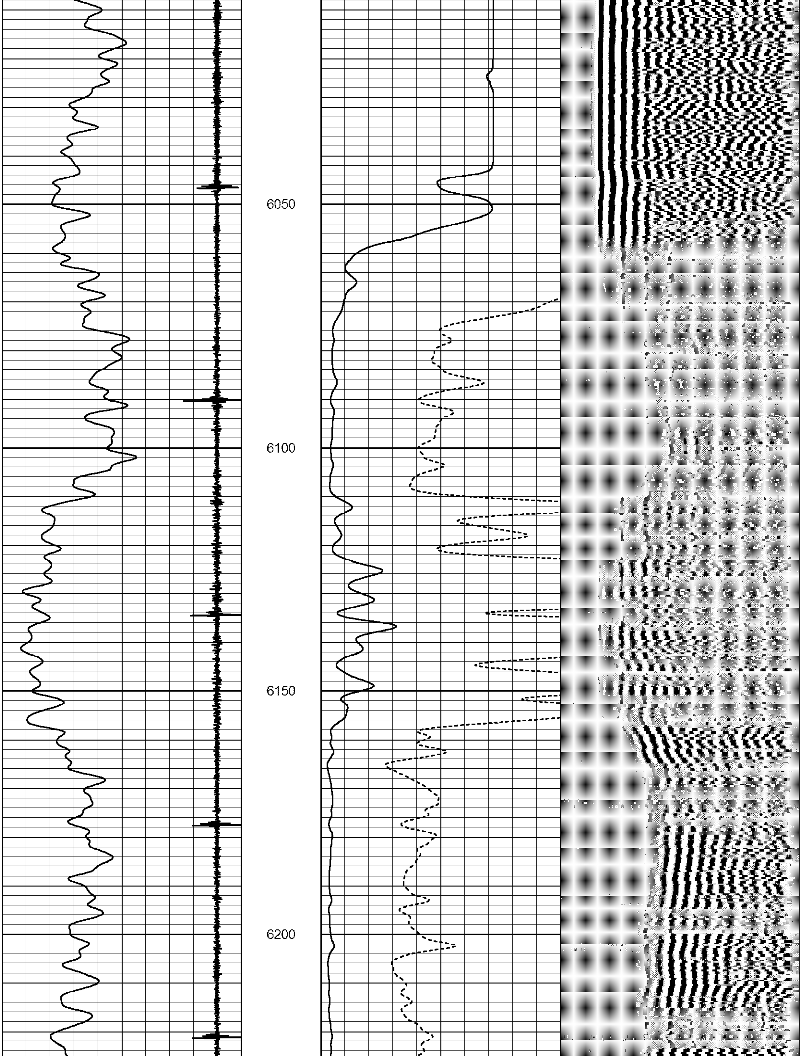
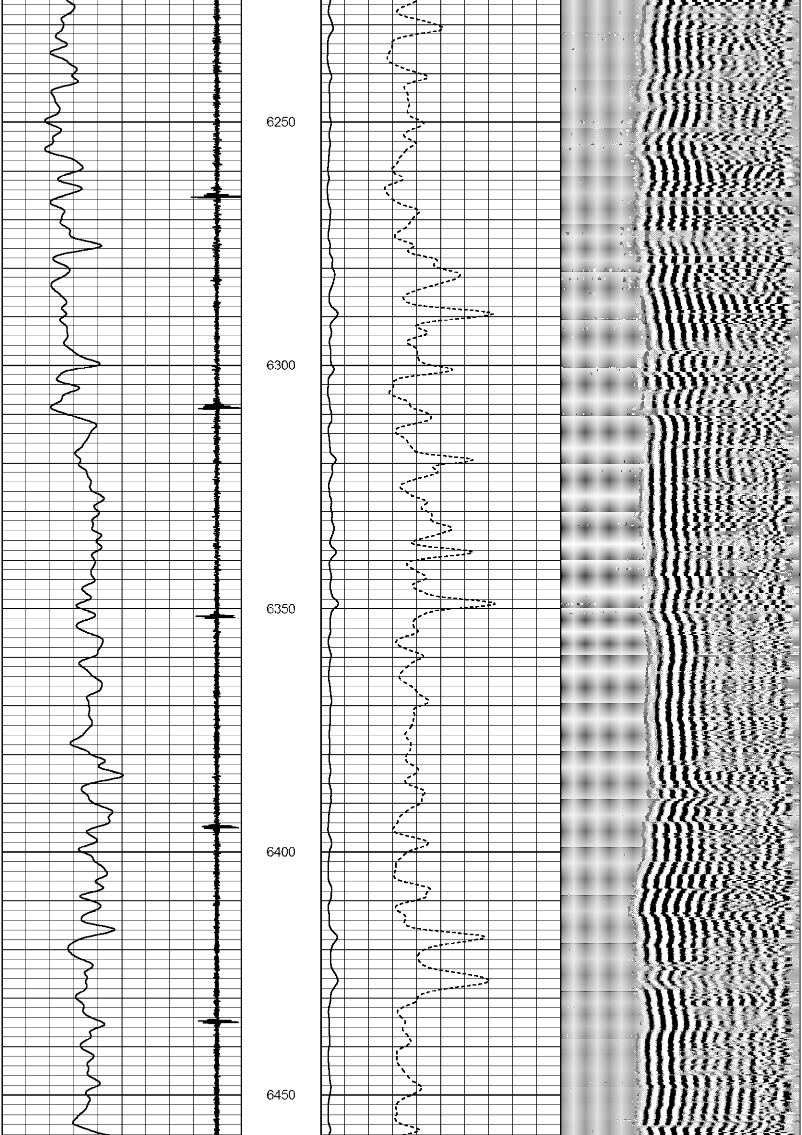
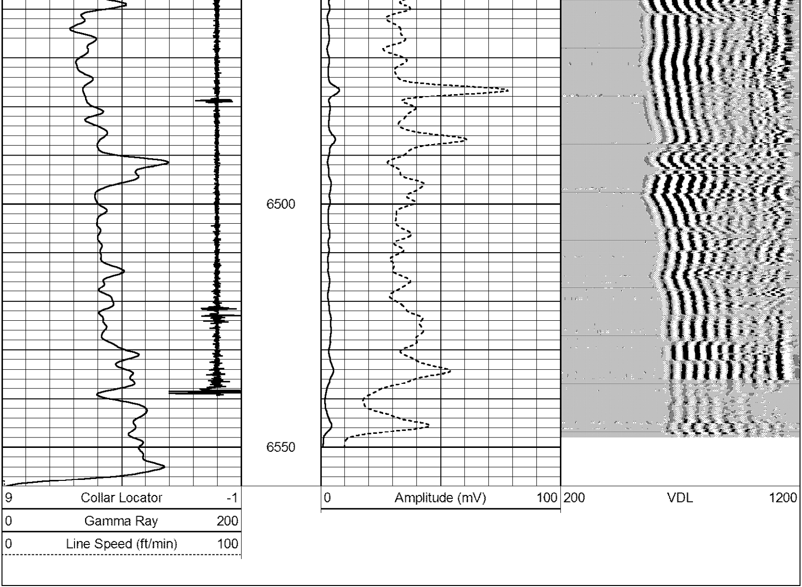
Sensor	Offset (ft)
CCL	18.50
TEMP	13.25
WVFCAL	11.69
WVFS1	11.69
WVFS2	11.69
WVFS3	11.69
WVFS4	11.69
WVFS5	11.69
WVFS6	11.69
WVF3FT	10.94
WVF5FT	9.94
WVFTEMP	6.02
GR	1.00

Schematic



Description	Len (ft)	OD (in)	Wt (lb)
CCL-TekCo (1 11/16 MOT) (1.68)	1.67	1.69	20.00
TekCo 1 11/16 cent	2.21	1.69	30.00
SCBLTEKSLIM-T169Temp (T169t_001) 1 11/16 Sector with Temp	9.67	1.69	53.00
TekCo 1 11/16 cent	2.21	1.69	30.00
GR-Tek-Co (168) 1 11/16 400 Deg. Logging Gamma Ray	3.81	1.68	40.00

Dataset: kelly 11-13-13.db: field/well/run1/pass6
Total Length: 19.56 ft
Total Weight: 173.00 lb
O.D. 1.69 in

Database File: kelly 11-13-13.db
Dataset Pathname: pass6
Presentation Format: scbl_dr
Dataset Creation: Wed Nov 13 12:13:07 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240