OSAGE WIRELINE

Gamma Ray
Ccl/Vdl
Cement Bond
Log

Company Layne Energy Operating, LLC.
Well Fuqua #9-36
Field
County Elk
State Kansas

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Well Fuqua #9-36
Field
County Elk **State** Kansas

Location: API #: 15-049-22559-0000

1852' FSL & 1320' FEL
N2 S2 N2 SE

SEC 36 TWP 28 RGE 9E

Other Services

Elevation
K.B. 1212'
D.F. 1211'
G.L. 1201'

Permanent Datum: Ground Level — Elevation 1201'
Log Measured From: Ground Level
Drilling Measured From: Kelly Bushing

Date	19Mar12		
Run Number	One		
Depth Driller	2836'		
Depth Logger	2615'		
Bottom Logged Interval	2614'		
Top Log Interval	Surface		
Open Hole Size	7.875"		
Type Fluid	Water		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top	Surface		
Time Well Ready	Upon Arrival		
Time Logger on Bottom			
Equipment Number	OW 4		
Location	Hominy	Oklahoma	
Recorded By	Miears		
Witnessed By	Mr. Murphy		

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	5.5"		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

File #OW4-2257rbl
Thank You for using Osage Wireline!!

Crew: Schonfield

OSAGE WIRELINE

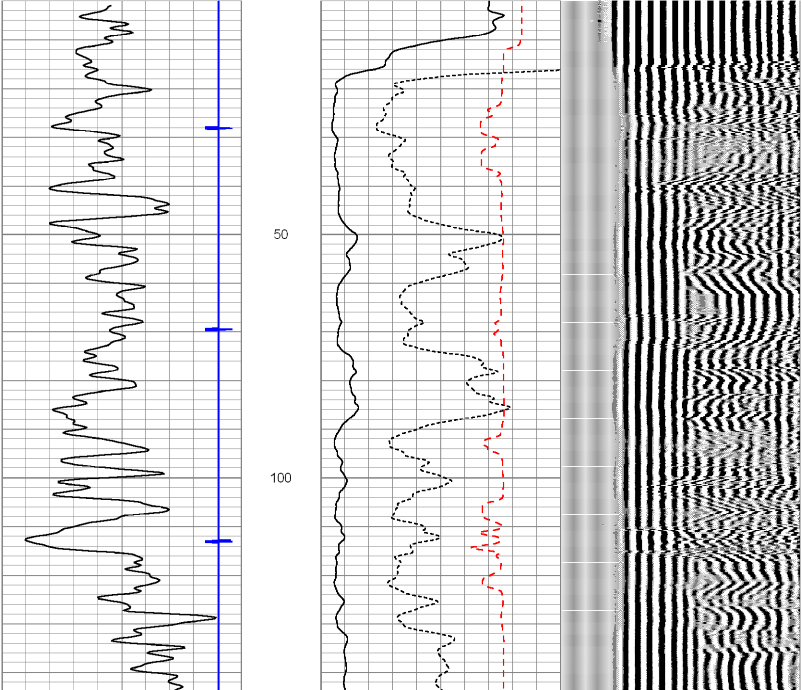
Gr/Ccl/Vdl

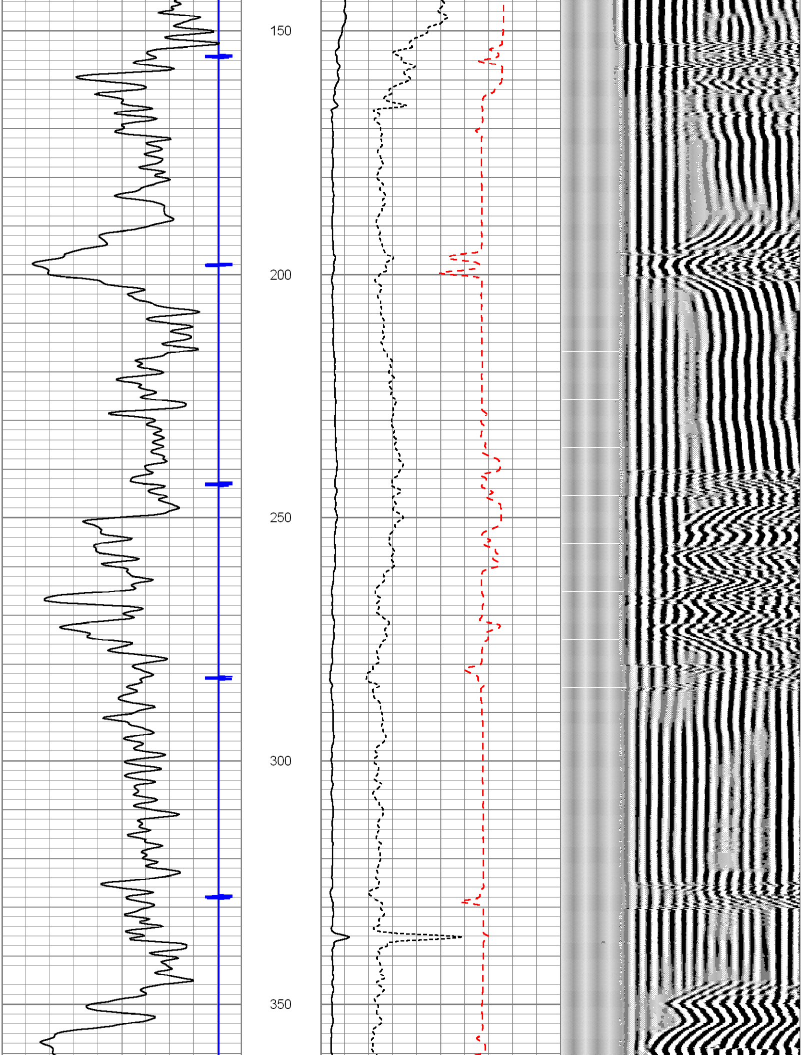
Database File: ow4-2257rbl layne fuqua 9-36.db
Dataset Pathname: pass1
Presentation Format: 0w4radcbl
Dataset Creation: Mon Mar 19 08:27:01 2012 by Log Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

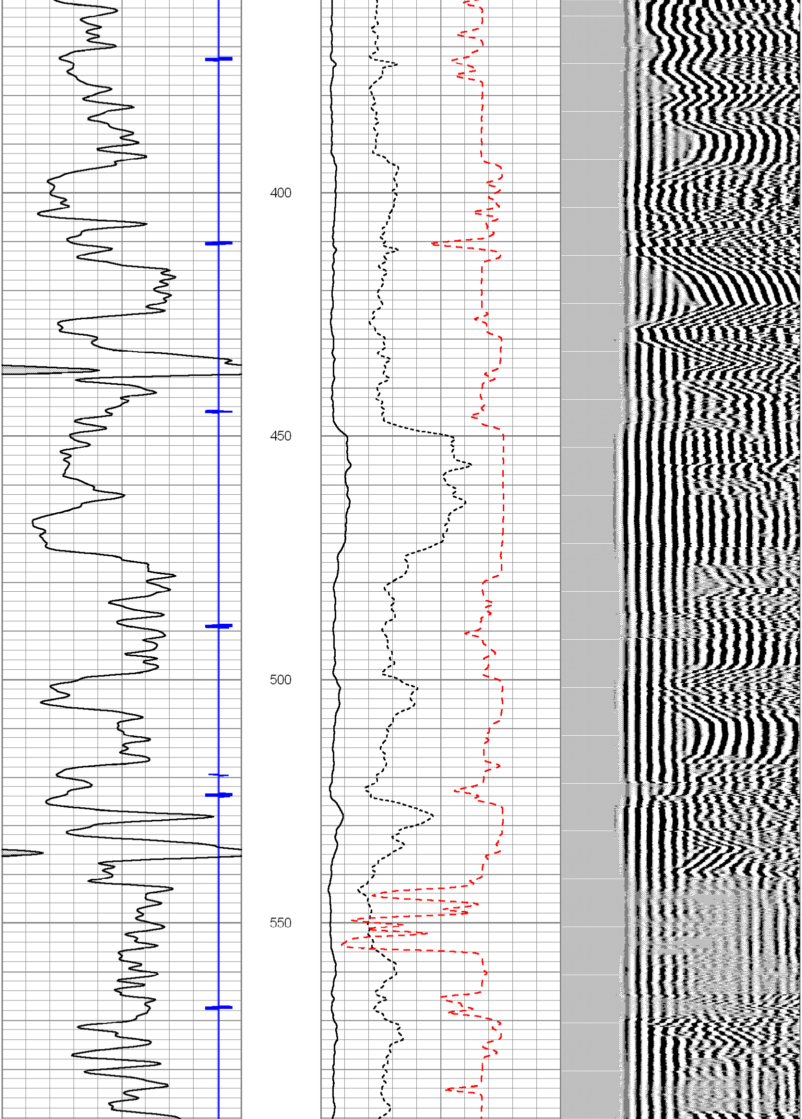
85 Collar Locator -8.75
0 Gamma Ray (GAPI) 150
150 GR (GAPI) 300
300 GR (GAPI) 450

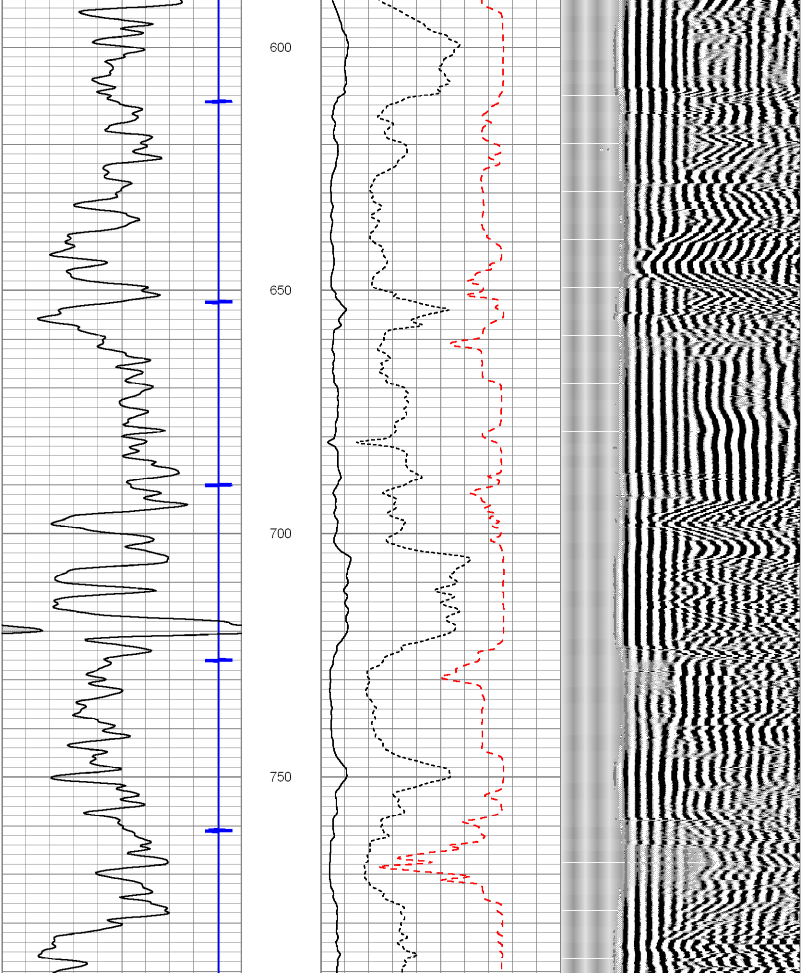
0 Amplitude (mV) 100
800 TT3FT (usec) 200

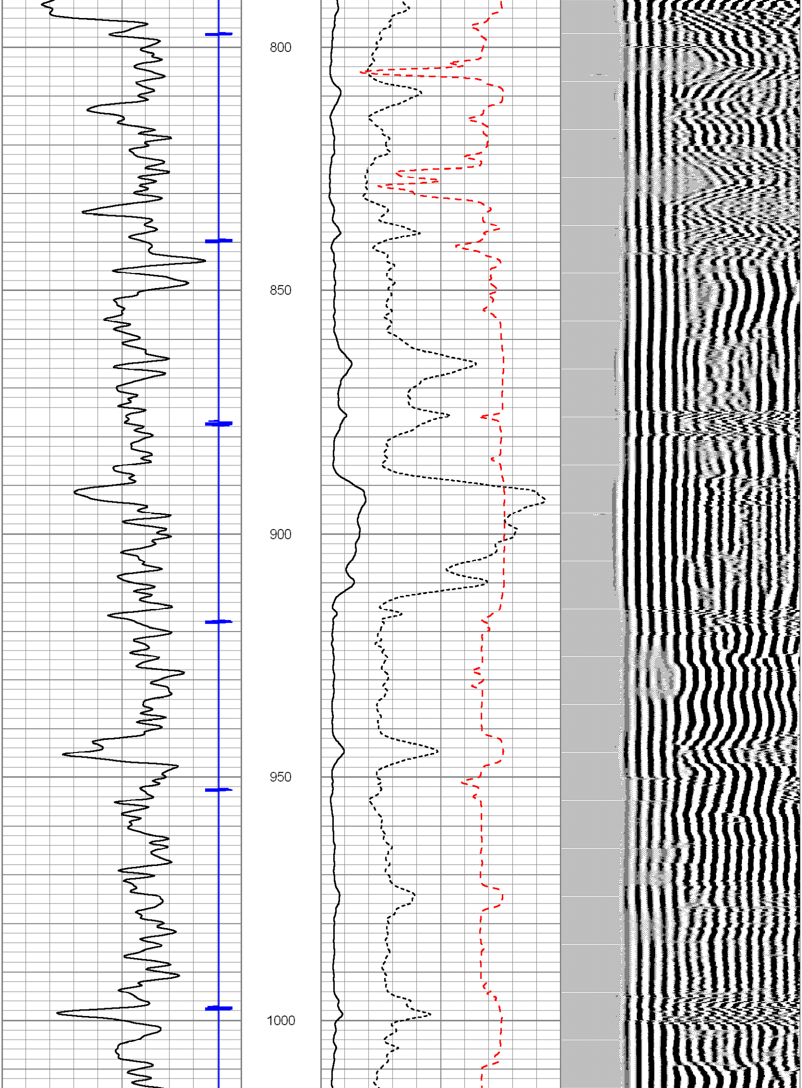
200 VDL 1200

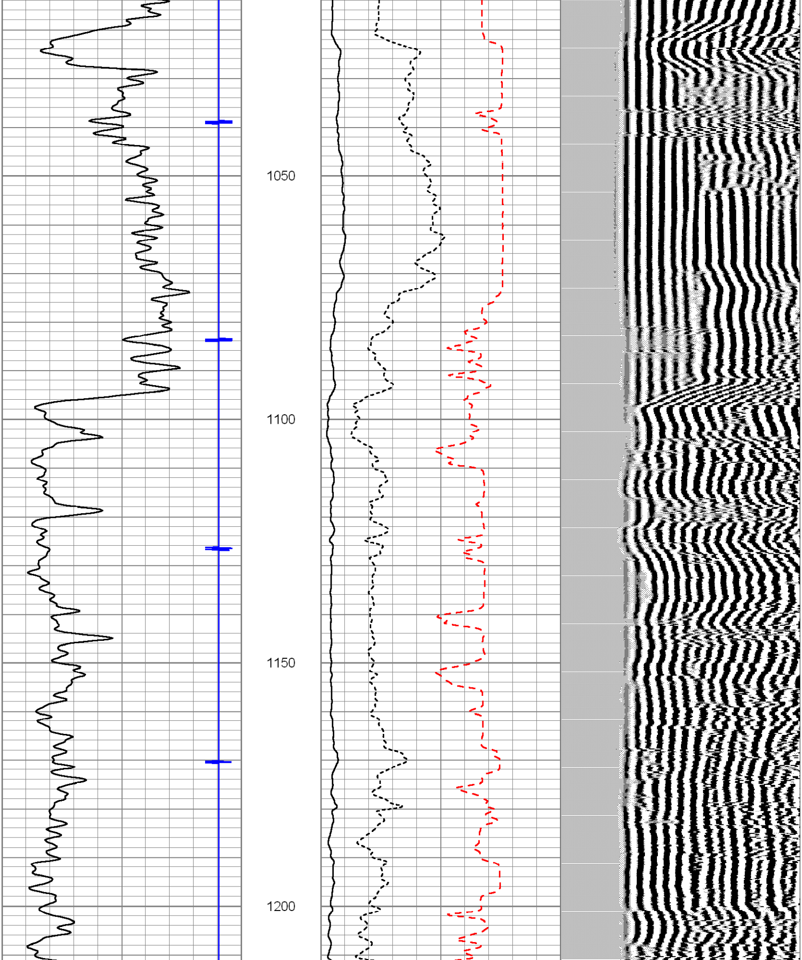


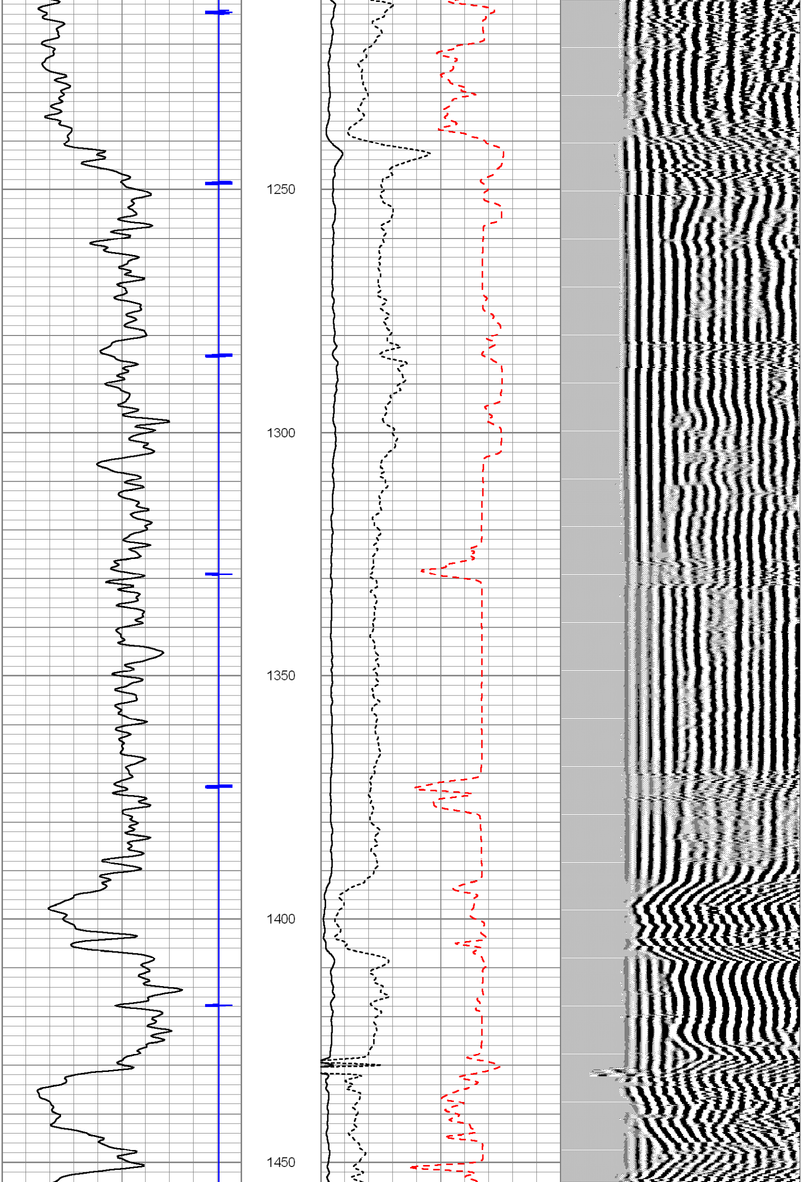


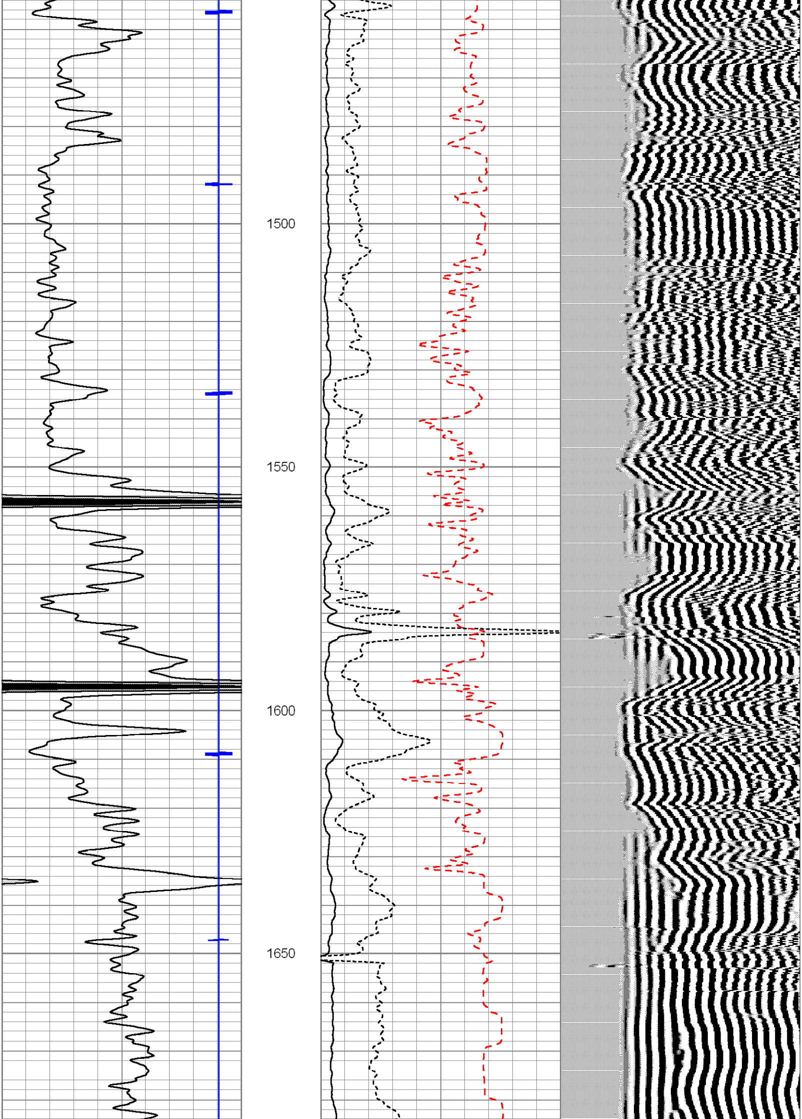


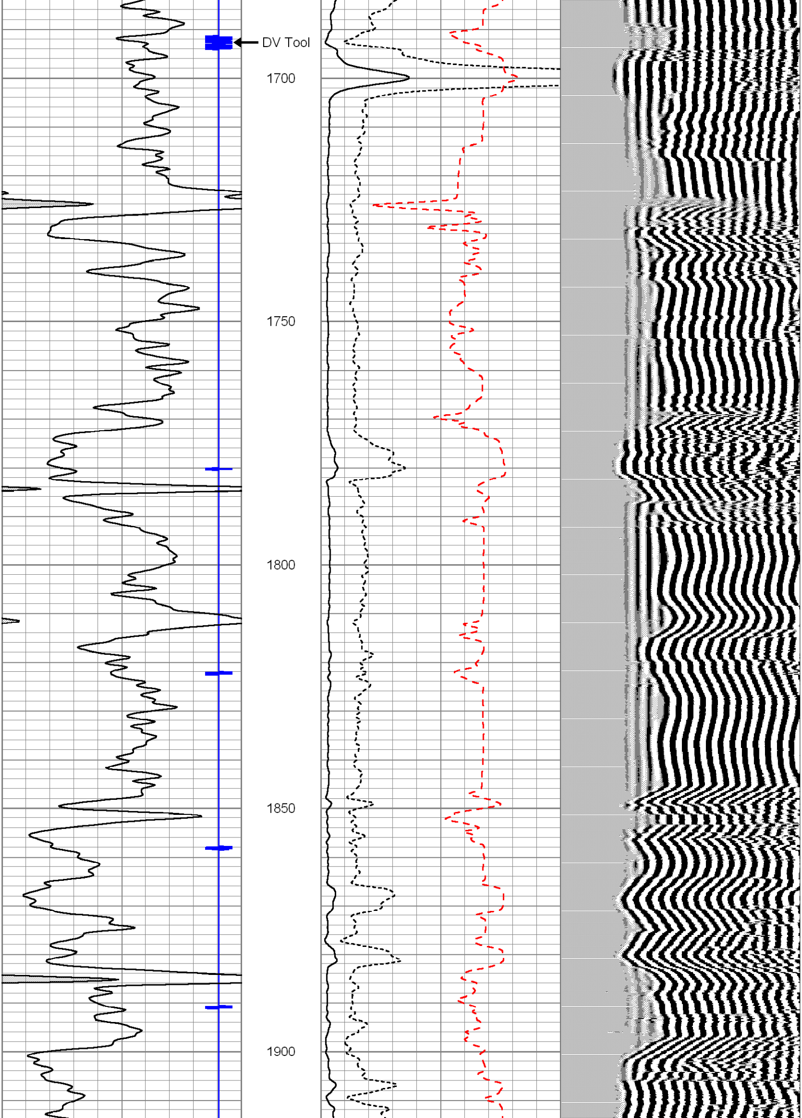


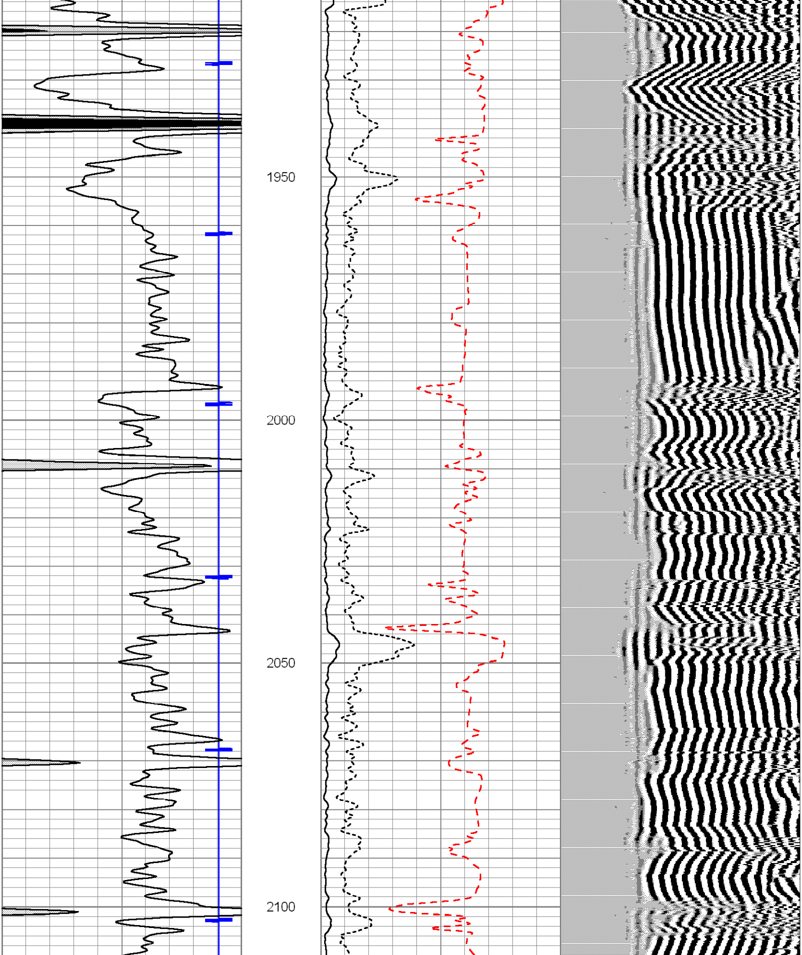


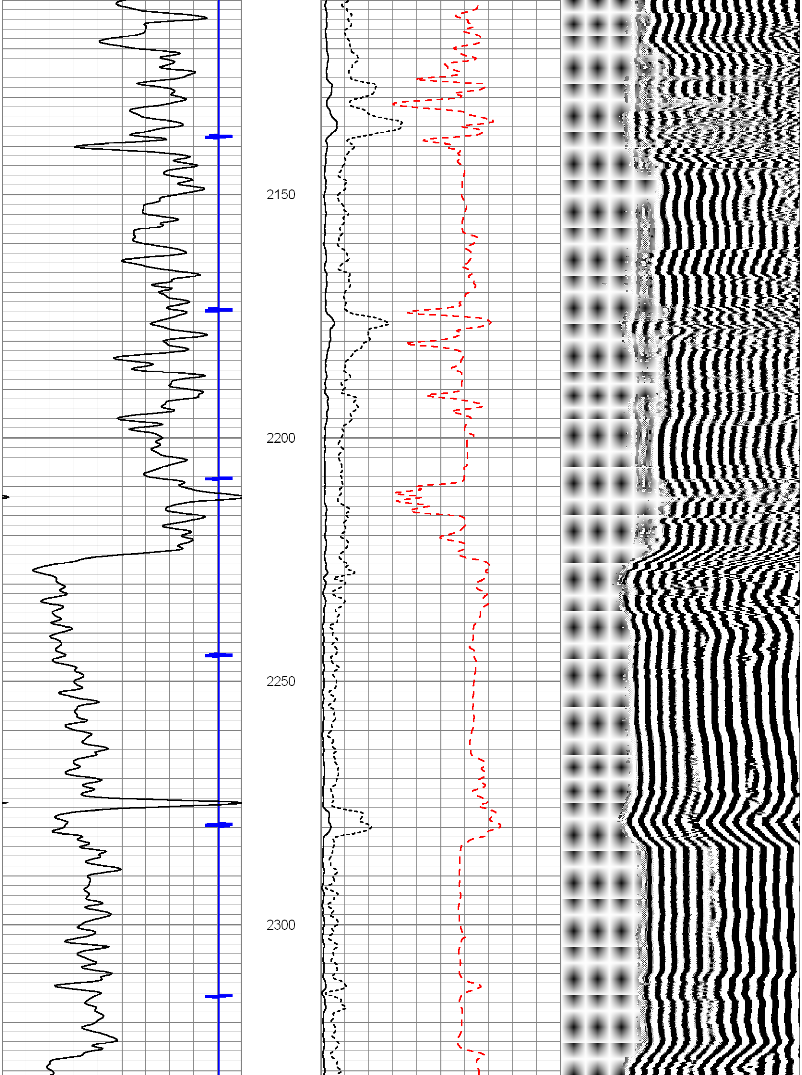


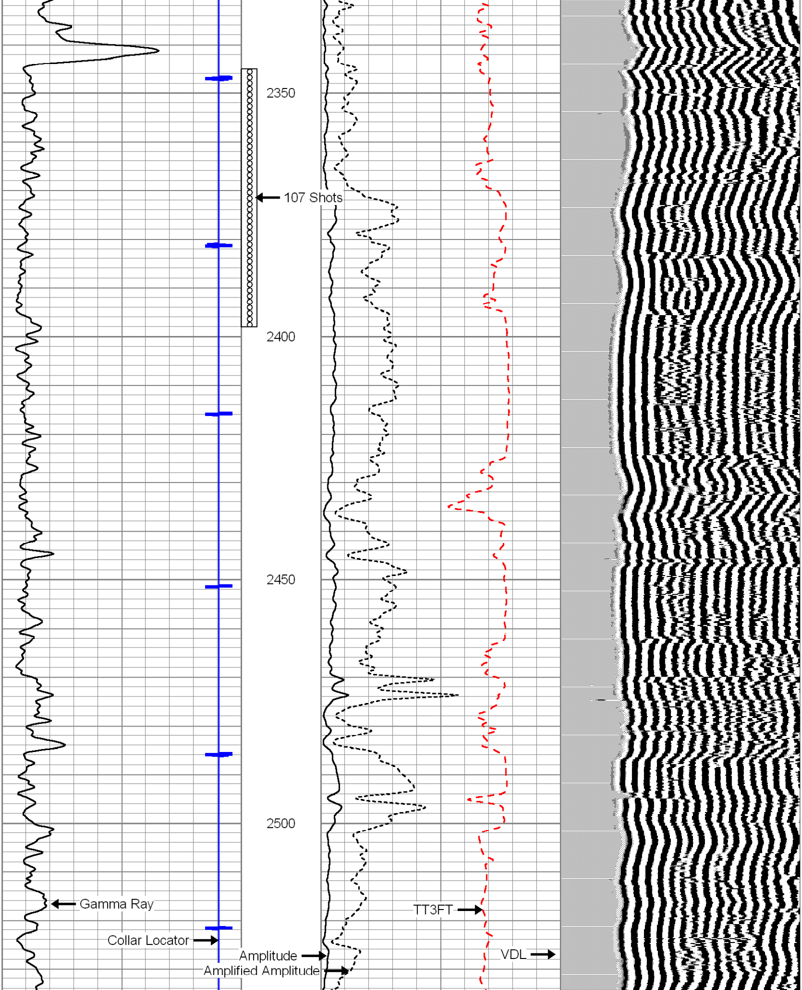


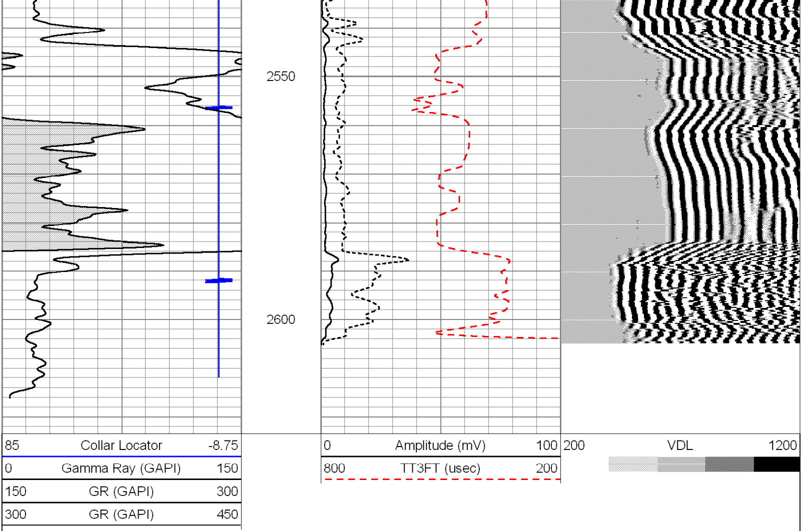






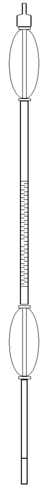






OSAGE WIRELINE

Gr/Ccl/Vdl

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	10.00
			Probe Probe 1 11/16 Centralizer	3.17	1.69	20.00
WVF3FT	11.90		RBT-Probe (070566) Prototype Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFCAL	11.90					
WVFS1	11.90					
WVFS2	11.90					
WVFS3	11.90					
WVFS4	11.90					
WVFS5	11.90					
WVFS6	11.90		Probe Probe 1 11/16 Centralizer	3.17	1.69	20.00
WVFS7	11.90					
WVFS8	11.90					
WVF5FT	10.90					
CCL	3.63		GR_CCL-PRB275SINGLEPIN (060612) 2 3/4" GRCCL SINGLE PIN	4.54	2.75	57.00
GR	0.90					

Dataset:	ow4-2257rbl layne fuqua 9-36.db: field/well/run1/pass1
Total Length:	20.63 ft
Total Weight:	197.00 lb
O.D.	2.75 in