Company ENCANA OIL & GAS (USA) INC
Well BOHRER TRUST 21-19
Field WATTENBERG
County WELD
State COLORADO

MW
Mesa Wireline LLC

CEMENT BOND LOG

Company ENCANA OIL & GAS (USA) INC
Well BOHRER TRUST 21-19
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-36861-0000
SHL: 190' FNL & 595' FWL
BHL: 737' FNL & 1940' FWL
SEC: 19 TWP: 3N RGE: 68W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 5084'
Log Measured From KELLY BUSHING = 13'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5097'
D.F. 5098'
G.L. 5084'

Date	25 APRIL 2013		
Run Number	ONE		
Depth Driller	7882'		
Depth Logger	7848'		
Bottom Logged Interval	7848'		
Top Log Interval	2100'		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	~8.3#		
Max. Recorded Temp.	241 DEG F		
Estimated Cement Top	2360'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	I0901 PRD01		
Location	AULT, CO		
Recorded By	Z. EMICK		
Witnessed By	T. MAJORS		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	0'	643'				
TWO	7.875"	643'	7893'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0'	633'
Prot. String				
Production String	4.5"	11.6#	0'	7882'
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

LOG CORRELATED TO PIONEER HIGH RESOLUTION INDUCTION LOG DATED 19 APRIL 2013

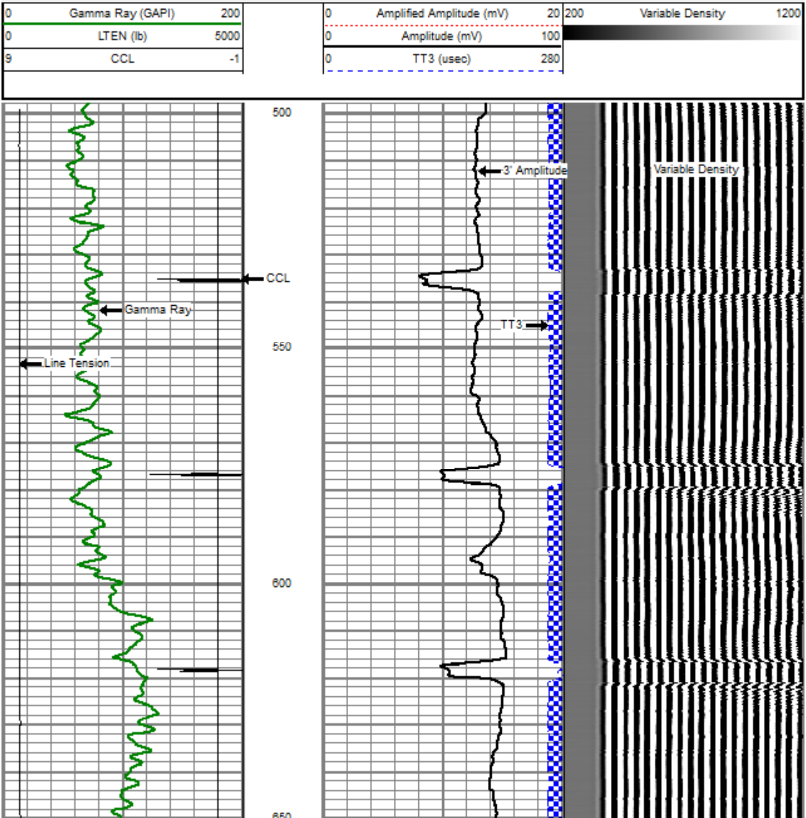
SHORT JOINT: 6920' - 6941'

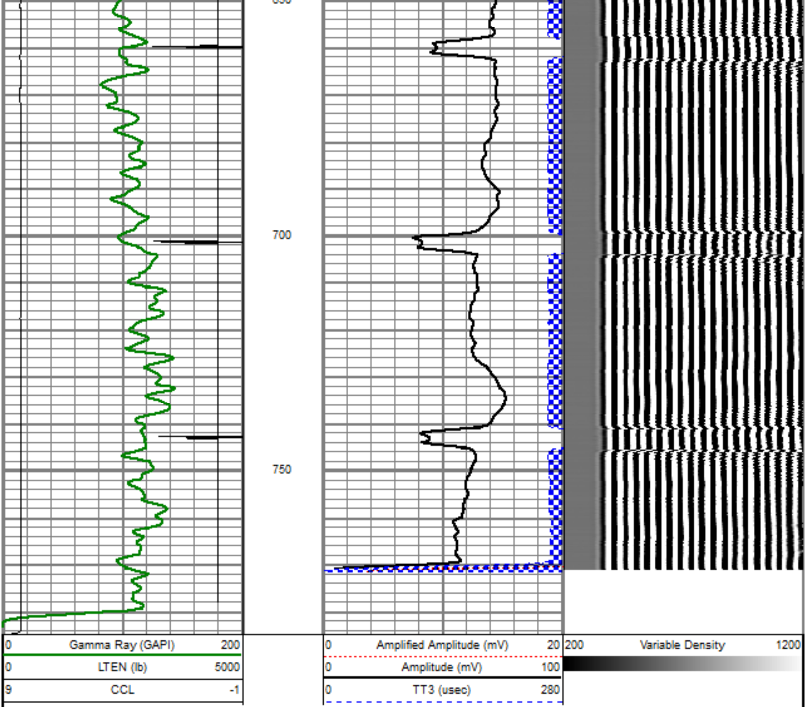
WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-0458

TOP PASS

5" = 100'

Database File:	bohrer trust 21-19.db
Dataset Pathname:	pass5
Presentation Format:	dcbl_prb
Dataset Creation:	Thu Apr 25 14:54:01 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240





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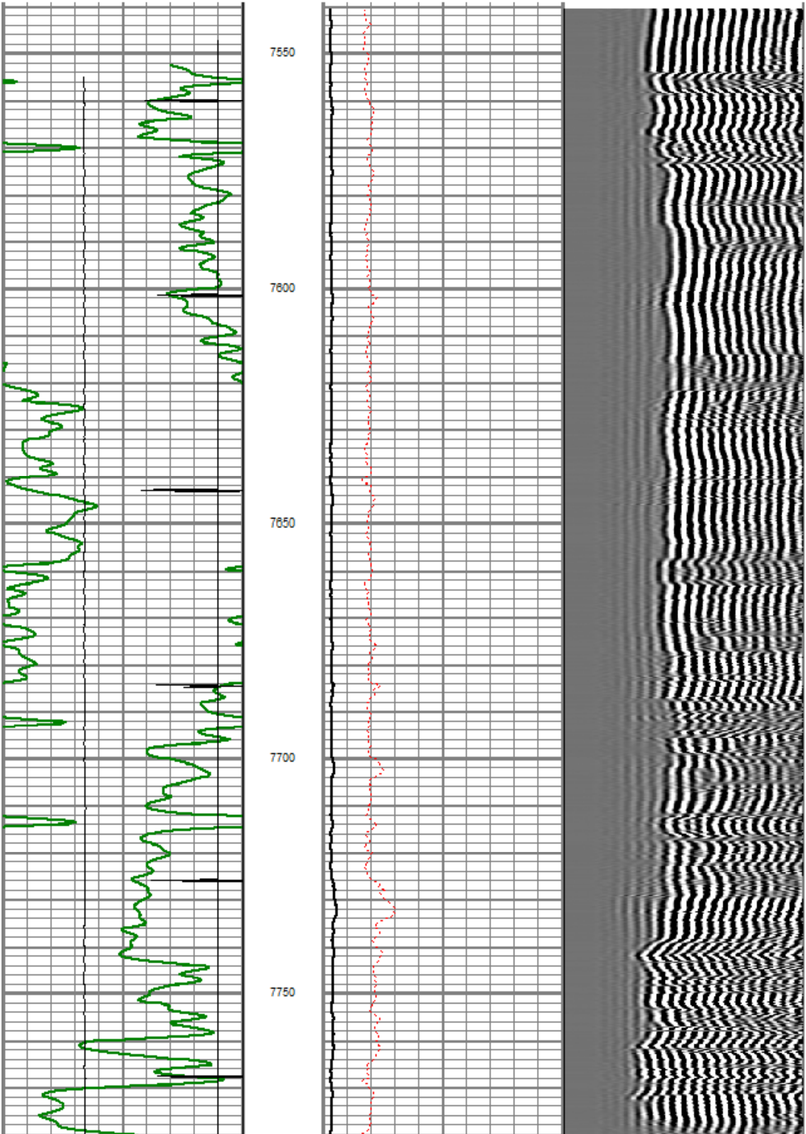
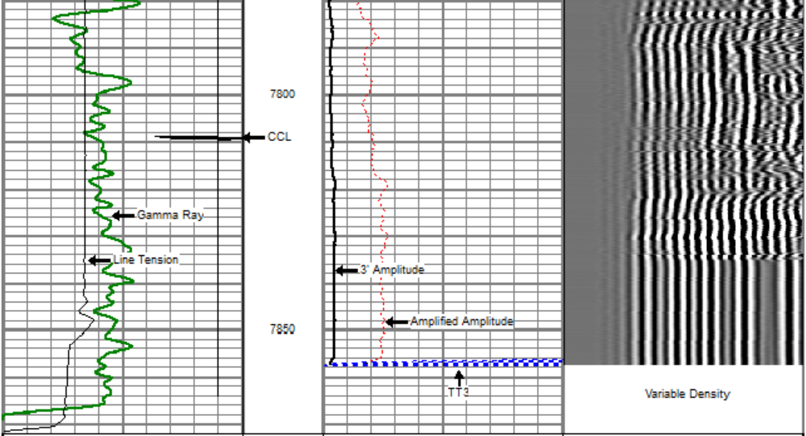
REPEAT PASS

5" = 100'

Database File:	bohrer trust 21-19.db
Dataset Pathname:	pass3
Presentation Format:	dcbl_prb
Dataset Creation:	Thu Apr 25 13:22:16 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			





0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			

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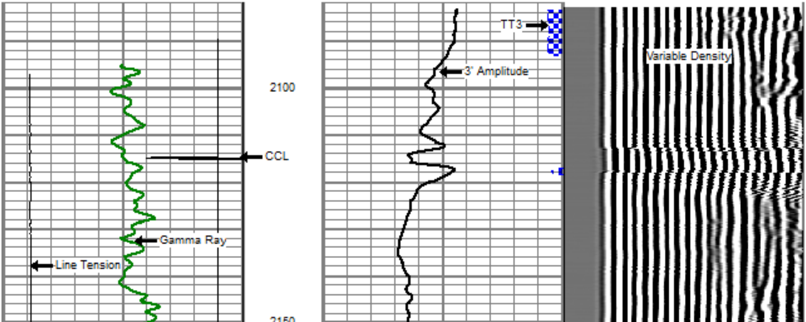
Mesa Wireline

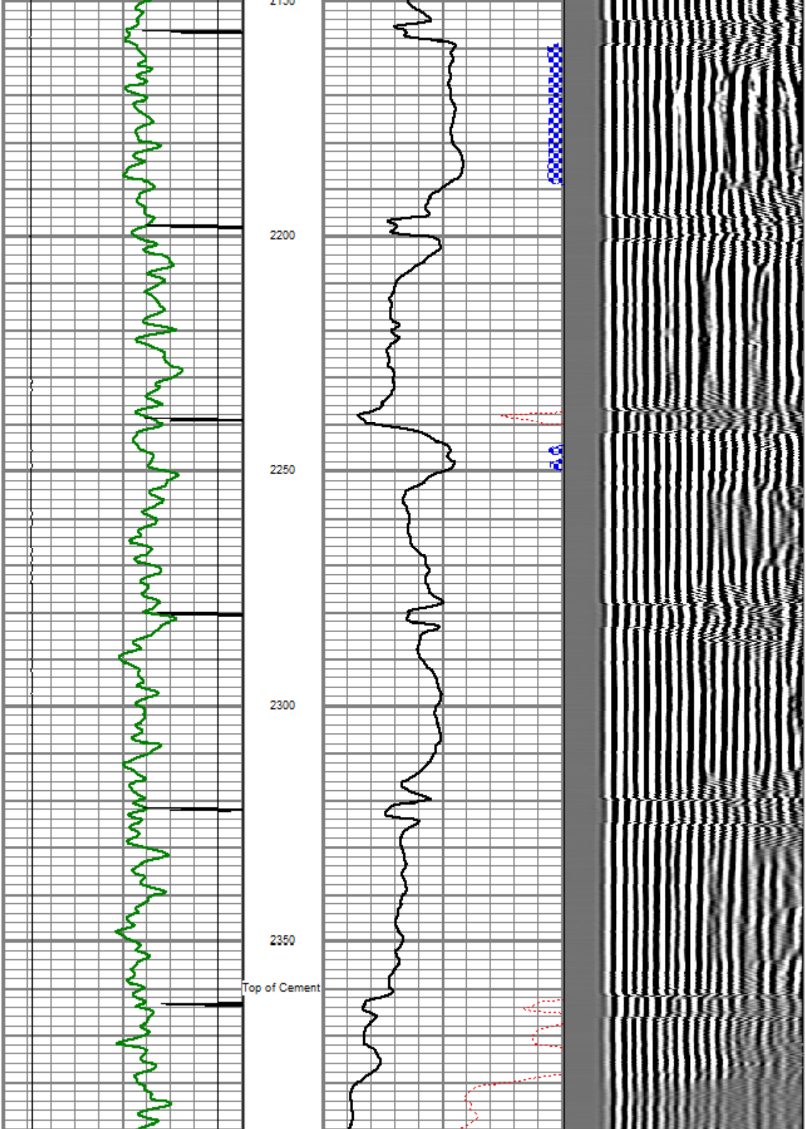
MAIN PASS

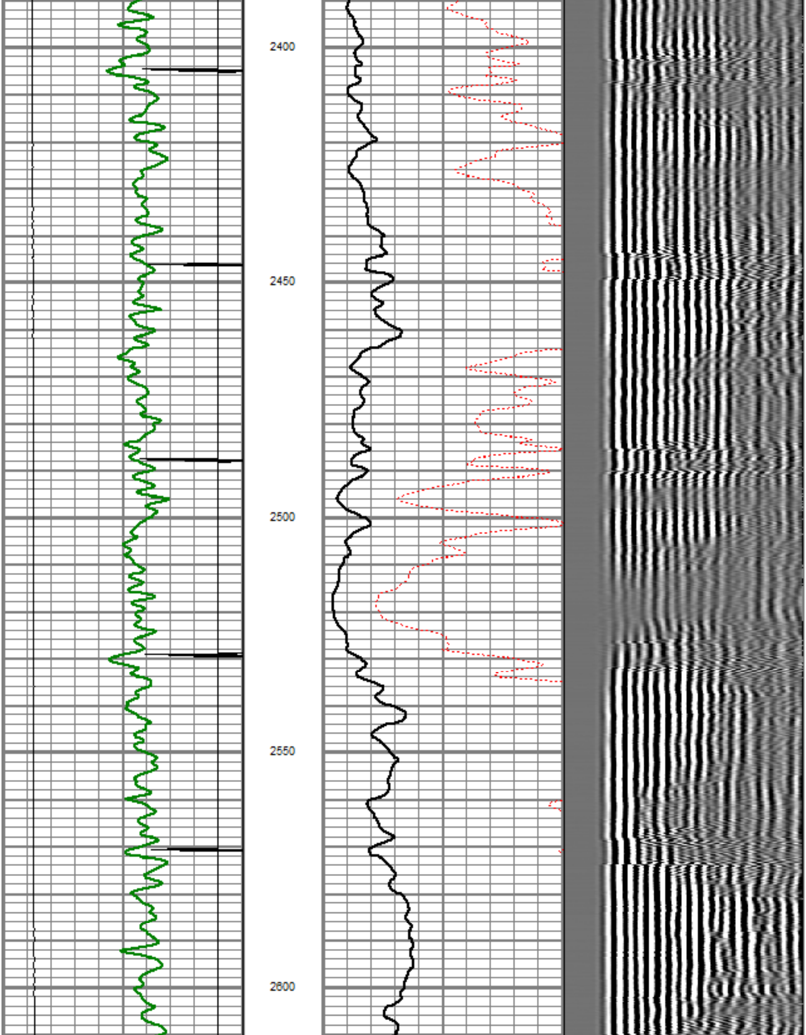
5" = 100'

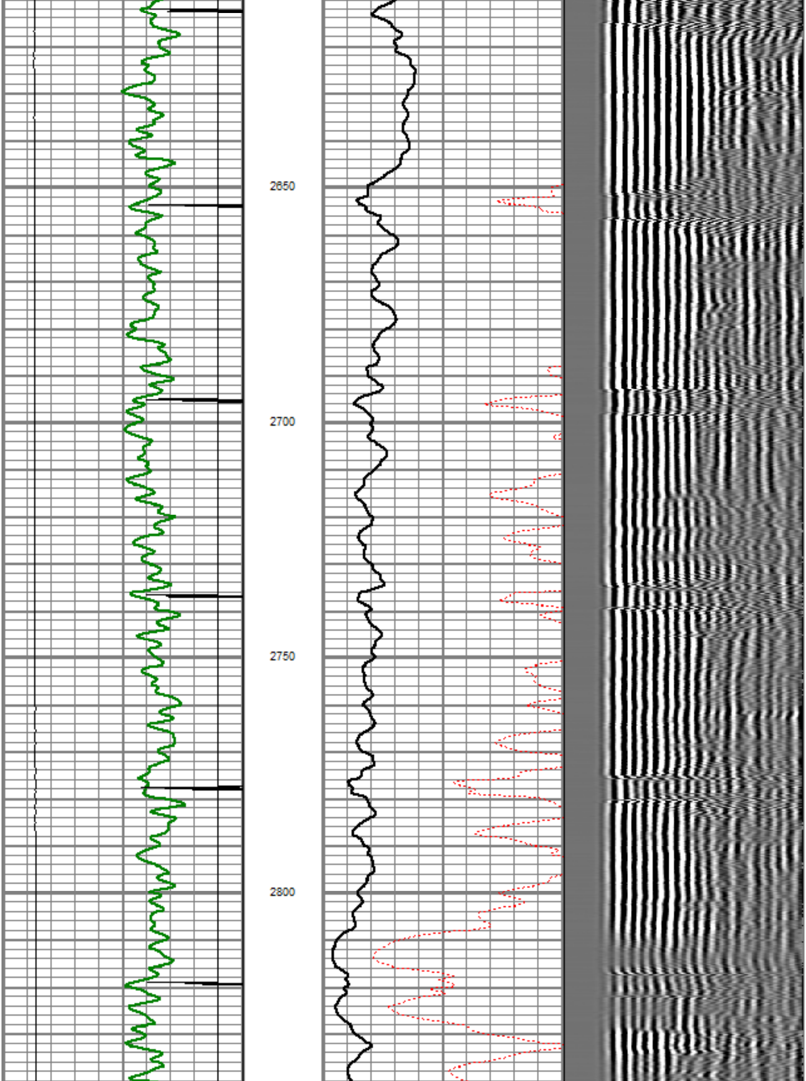
Database File: bohrer trust 21-19.db
Dataset Pathname: pass4OH
Presentation Format: dcbl_prb
Dataset Creation: Thu Apr 25 14:54:36 2013
Charted by: Depth in Feet scaled 1:240

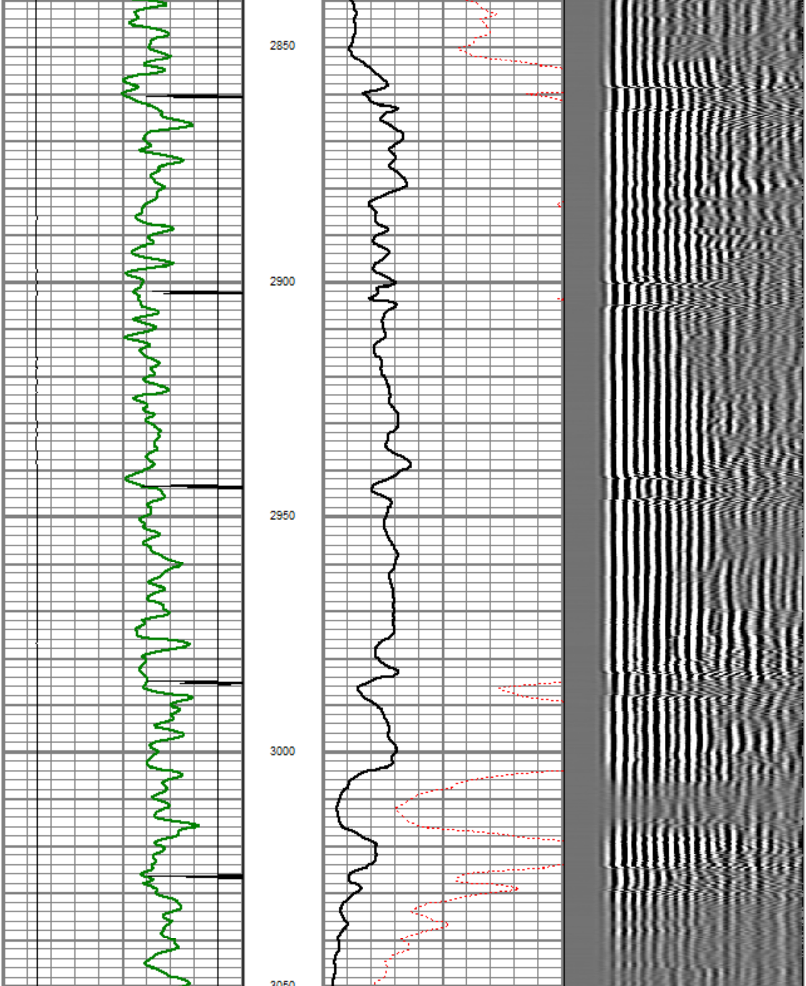
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			

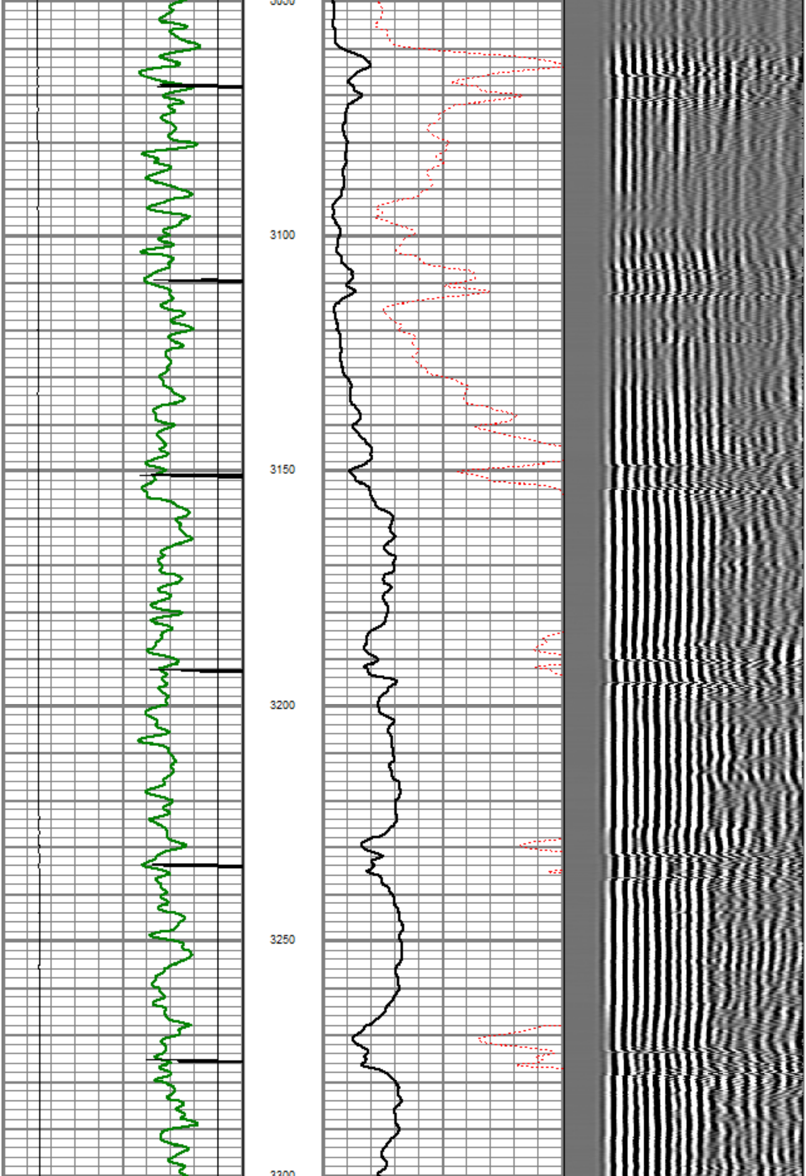


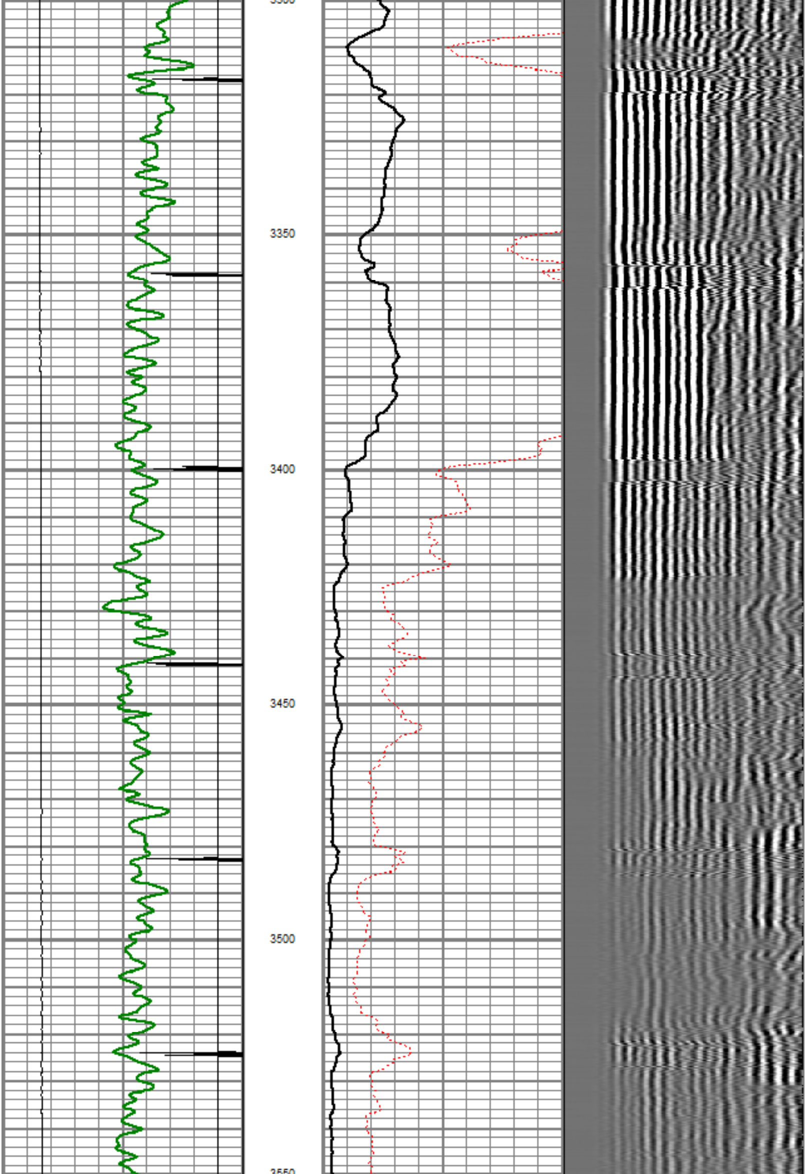


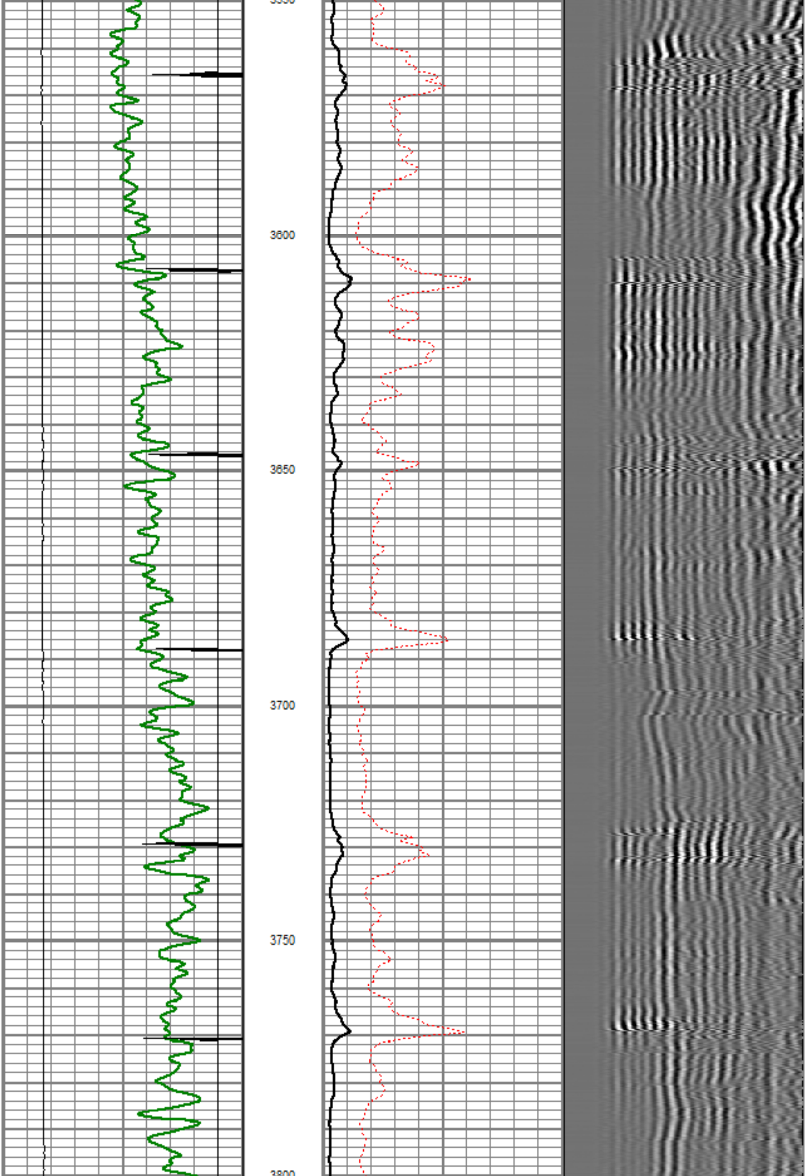


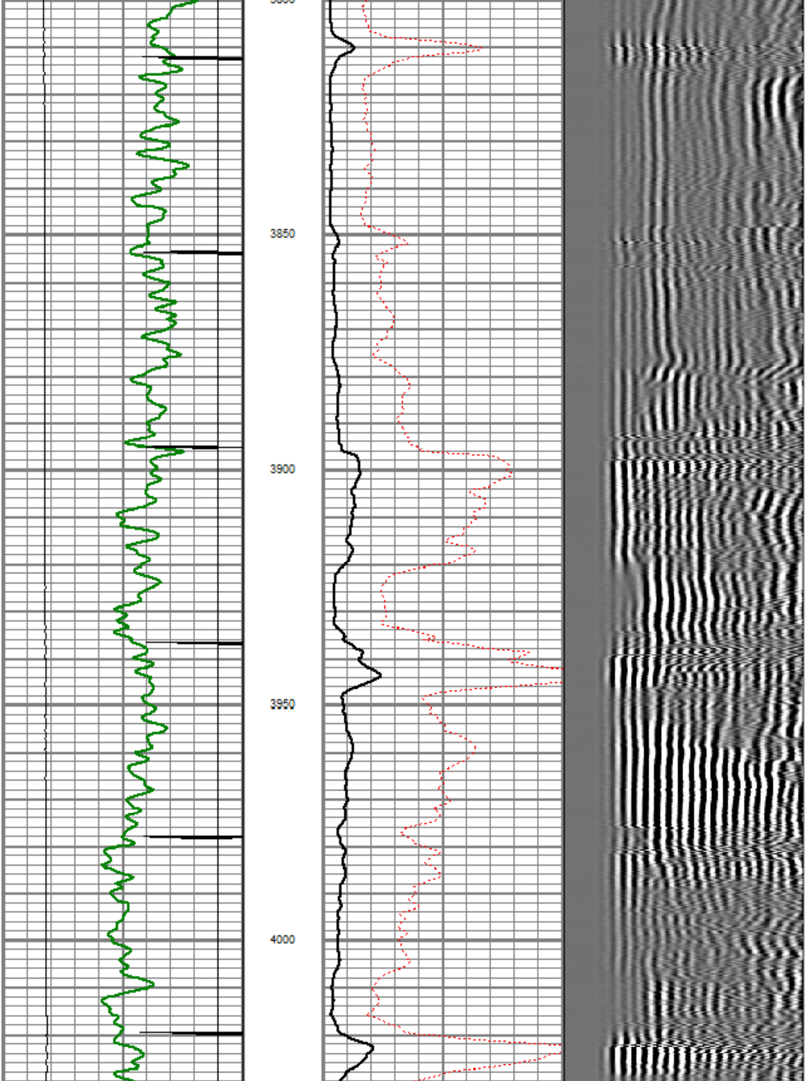


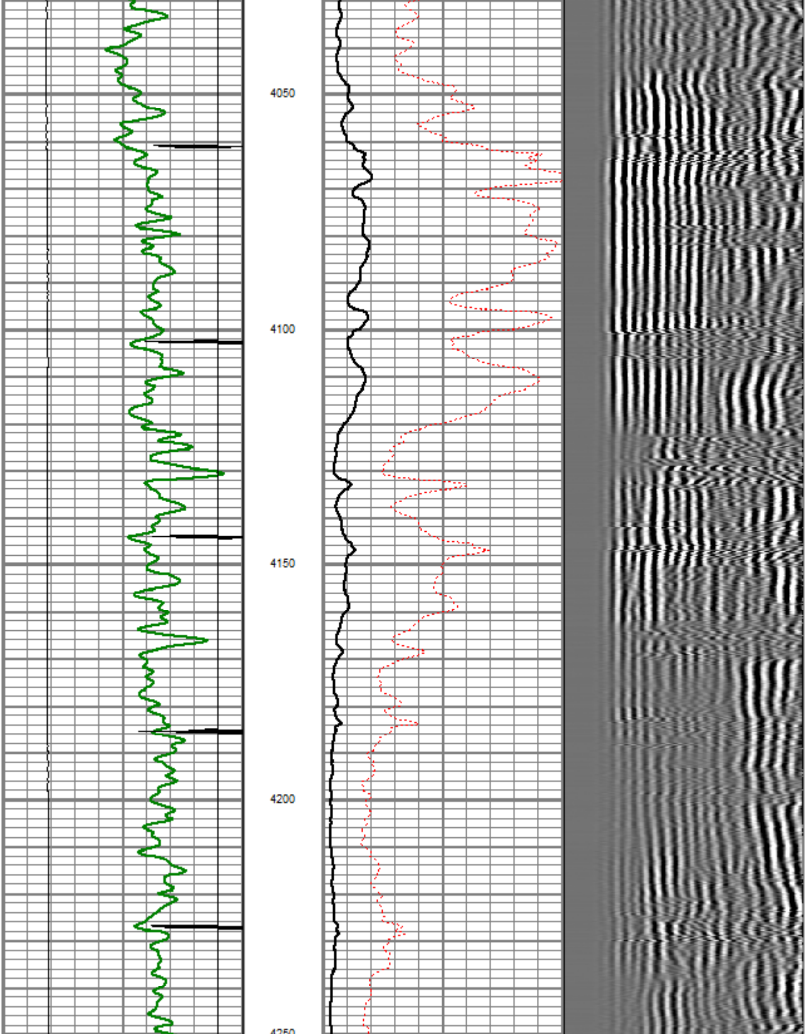


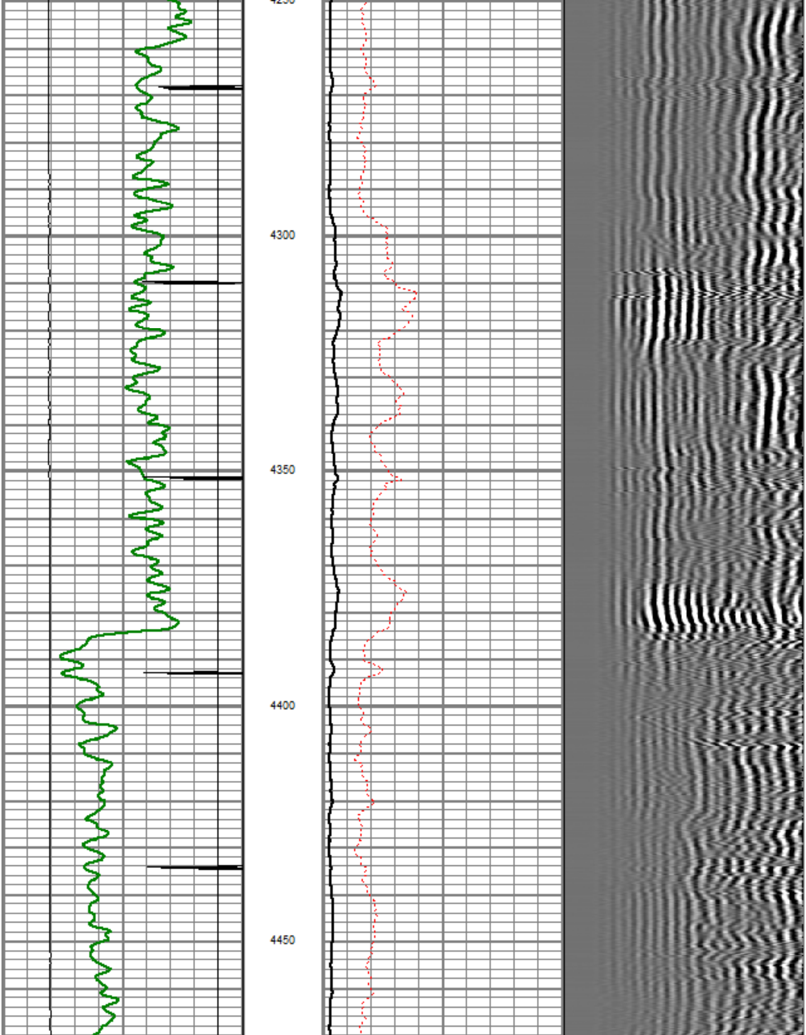


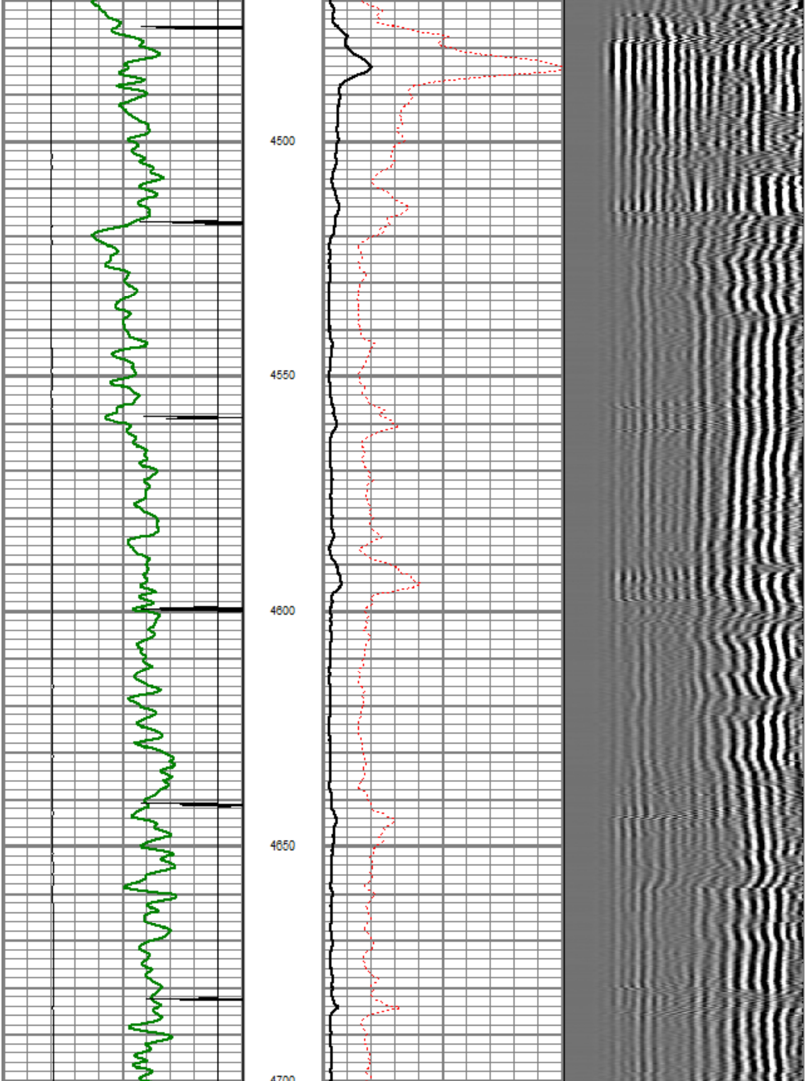


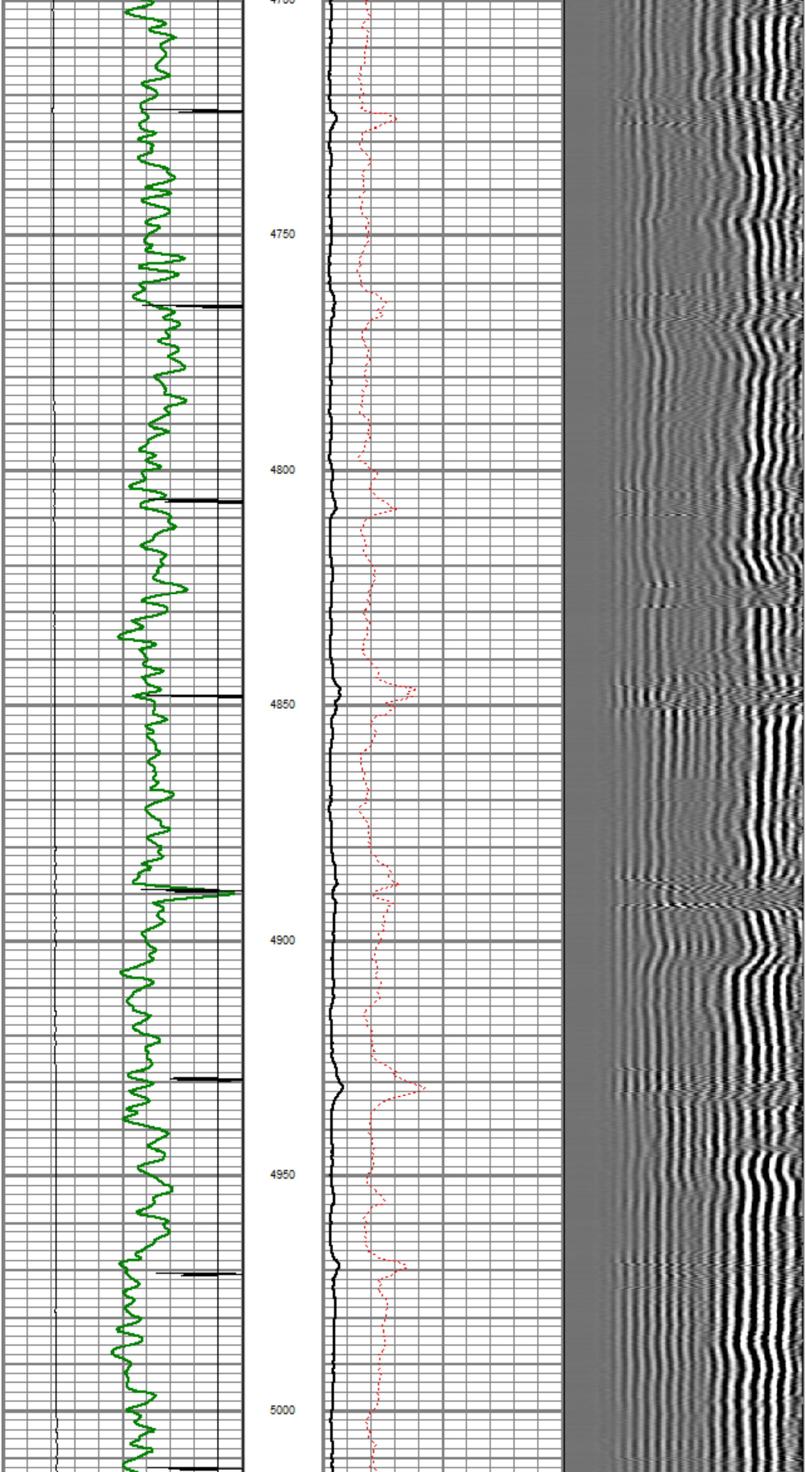


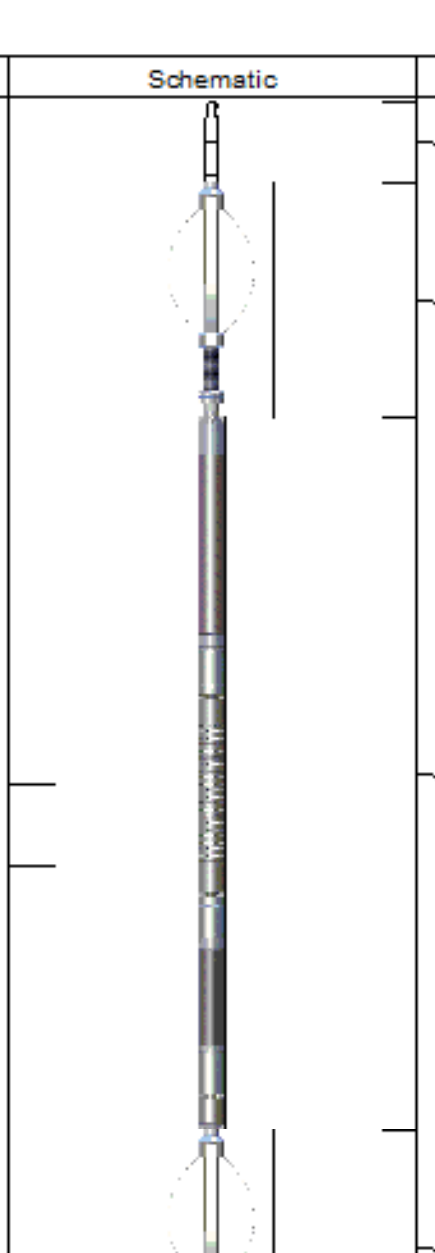










Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			titan Titan Cable Head Go Pin.	1.02	1.44	1.50
			Centralizer-Probe (CENT-PROBE-1) Probe Bowspring Centralizer	2.88	2.75	10.00
WVF3 WVF5	14.54 13.54		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77 1) Probe 2.75" Dual Receiver Bond		2.75	60.00
			Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL GR	6.50 3.77		GR-PROBE_GRCCL (PRB_GRCCL_275_01 4.54 Probe 2.75" 4 Channel Pulse		2.75	30.00
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_0 2.88 Positive pulse Temp tool		1.38	15.00

Dataset: bohrer trust 21-19.db: field/well/run1/pass5
Total Length: 22.96 ft
Total Weight: 126.50 lb
O.D. 2.75 in

Company	ENCANA OIL & GAS (USA) INC
Well	BOHRER TRUST 21-19
Field	WATTENBERG
County	WELD
State	COLORADO