Mesa Wireline LLC

CEMENT BOND LOG

Company	ENCANA OIL & GAS (USA) INC
Well	RASMUSSEN 4-4-28
Field	WATTENBERG
County	WELD
State	COLORADO

Company ENCANA OIL & GAS (USA) INC

Well RASMUSSEN 4-4-28

Field WATTENBERG

County WELD State COLORADO

Location: API # : 05-123-32897-0000

SHL: 1962' FNL & 1790' FWL
BHL: 2604' FNL & 2596' FWL

SEC: 28 TWP: 2N RGE: 68W

Other Services
NONE

Permanent Datum	GROUND LEVEL	Elevation 4935'
Log Measured From	KELLY BUSHING = 13'	
Drilling Measured From	KELLY BUSHING	

Elevation
K.B. 4948'
D.F. 4947'
G.L. 4935'

Date	6 APRIL 2013		
Run Number	ONE		
Depth Driller	8241'		
Depth Logger	8047'		
Bottom Logged Interval	8047'		
Top Log Interval	6200'		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	~8.3#		
Max. Recorded Temp.	249 DEG F		
Estimated Cement Top	6440'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	I0901 PRD 01		
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'	844'				
TWO	7.875"	844'	8251'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0'	834'
Prot. String				
Production String	4.5"	11.6#	0'	8241'
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 NOT CORRELATED TO ANY OTHER LOG

SHORT JOINT: 7333' - 7353'

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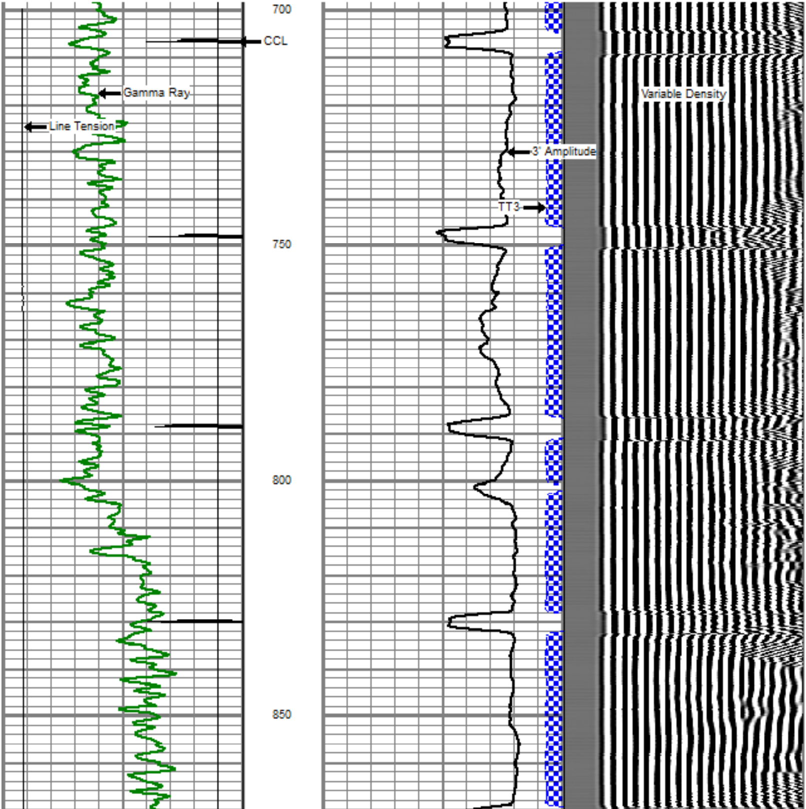
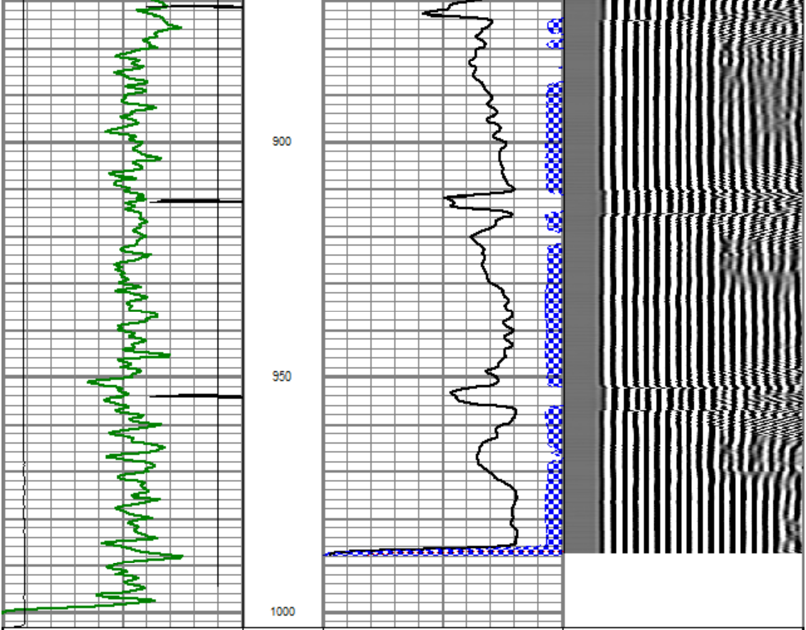
TOP PASS

5" = 100'

Database File:	rasmussen 4-4-28.db
Dataset Pathname:	pass10.2
Presentation Format:	dcbl_prb
Dataset Creation:	Sat Apr 06 15:16:26 2013 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:240

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





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			

MW
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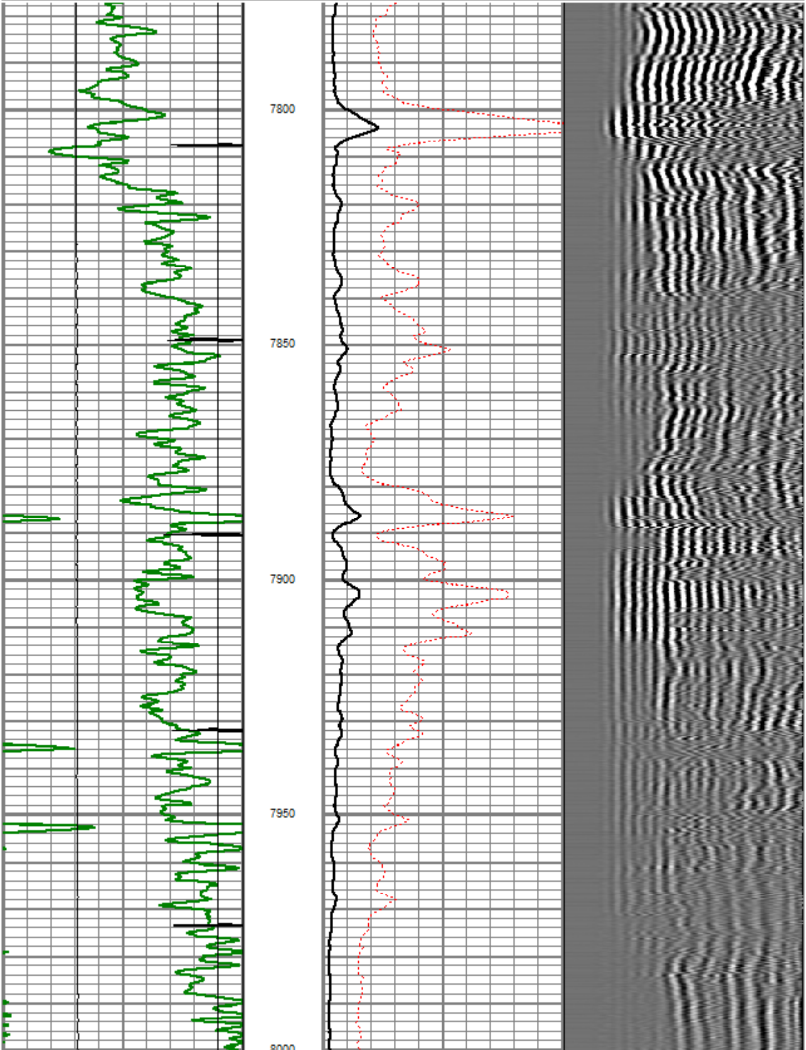
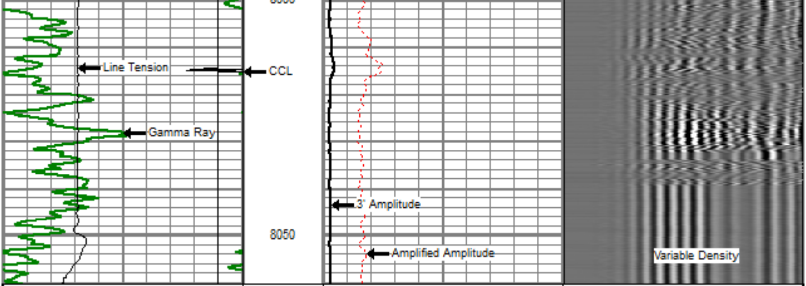
REPEAT PASS

5" = 100'

Database File:	rasmussen 4-4-28.db
Dataset Pathname:	pass2
Presentation Format:	dcbl_prb
Dataset Creation:	Sat Apr 06 14:15:49 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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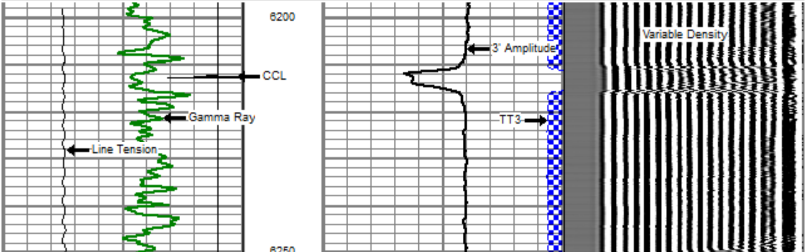
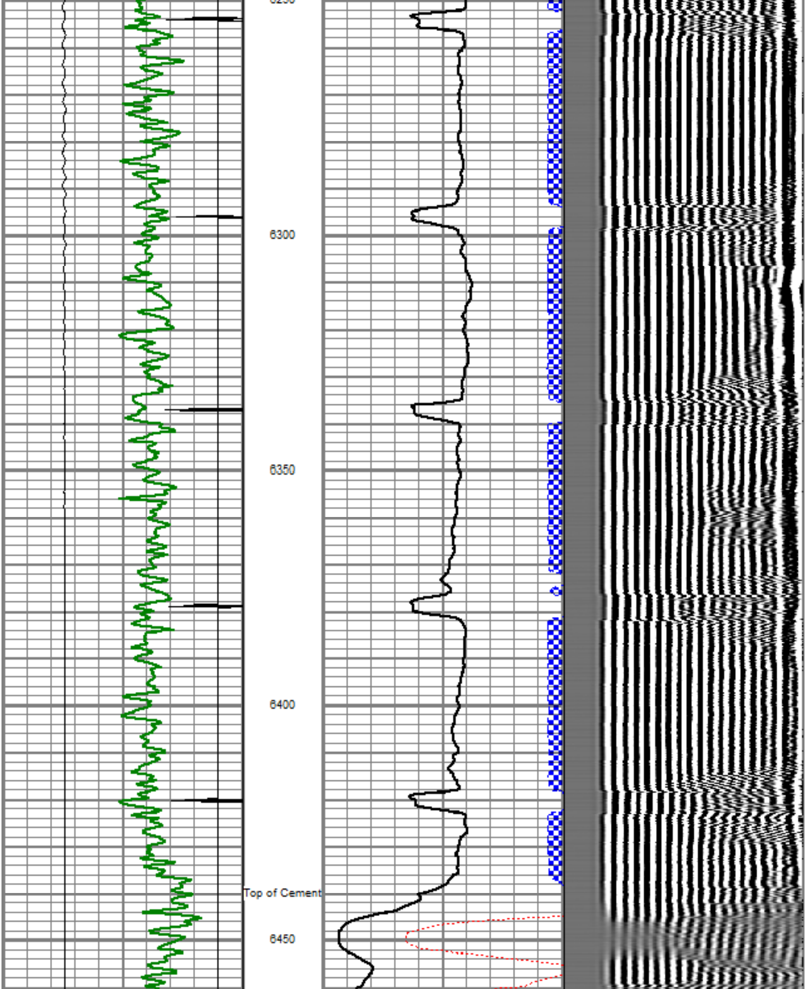
MAIN PASS

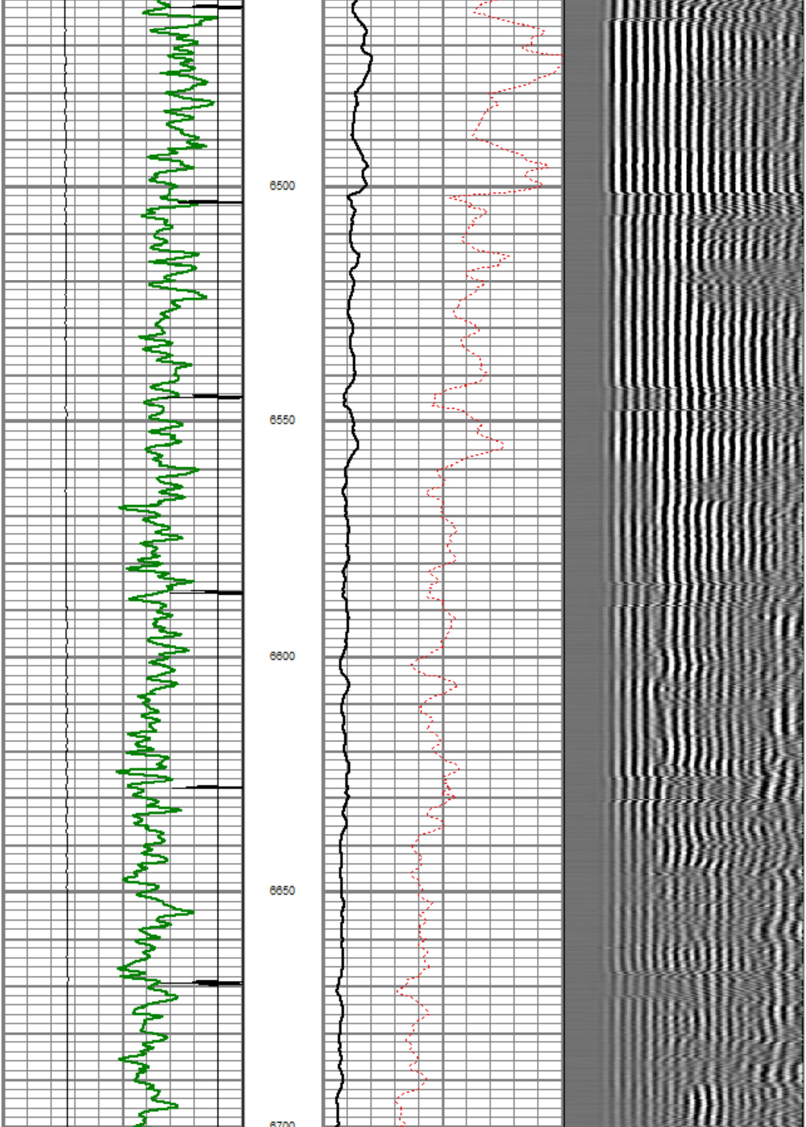
5" = 100'

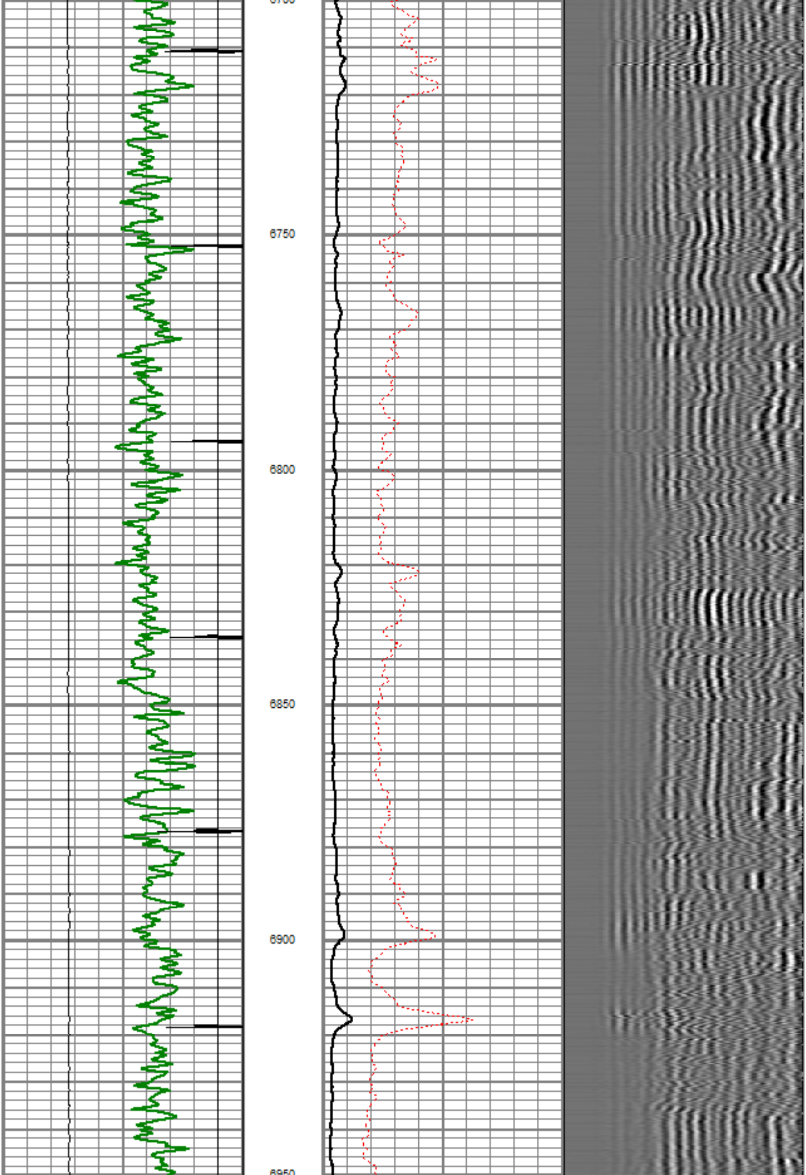
Database File:	rasmussen 4-4-28.db
Dataset Pathname:	pass3
Presentation Format:	dcbl_prb
Dataset Creation:	Sat Apr 06 14:25:08 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

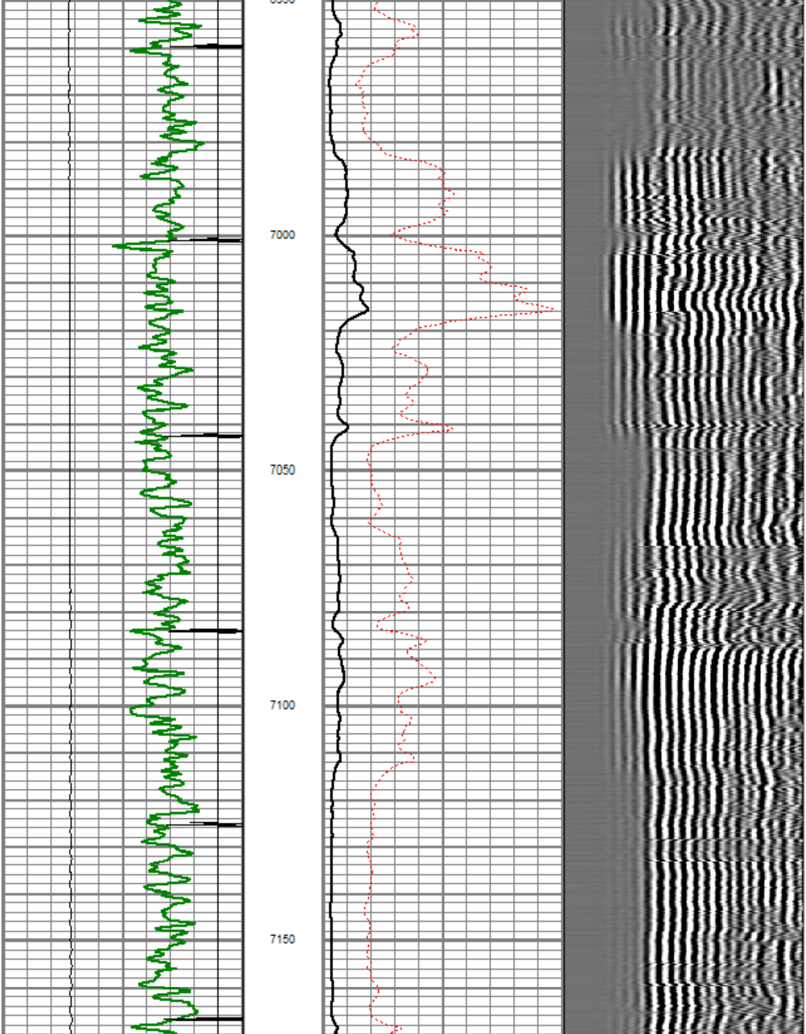
0	Gamma Ray (GAPI)	200	0	Amplified Amplitude (mV)	20	200	Variable Density	1200
0	LTEN (lb)	5000	0	Amplitude (mV)	100			
9	CCL	-1	0	TT3 (usec)	280			

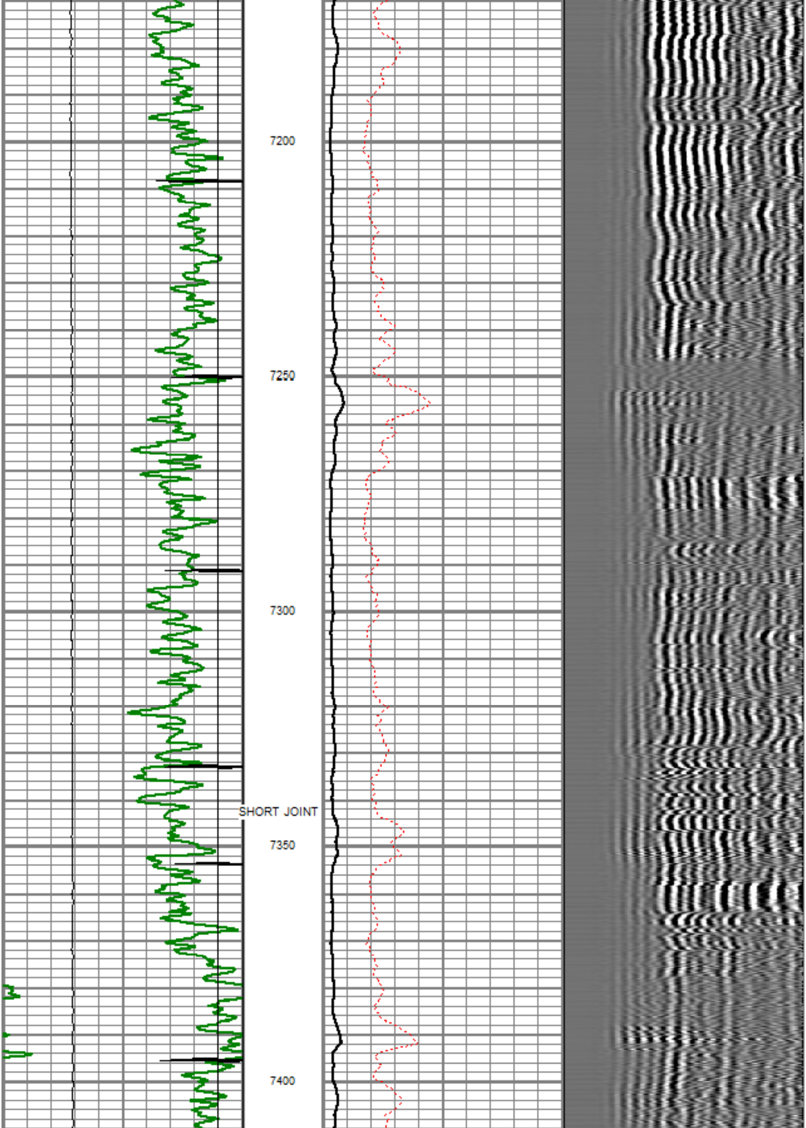


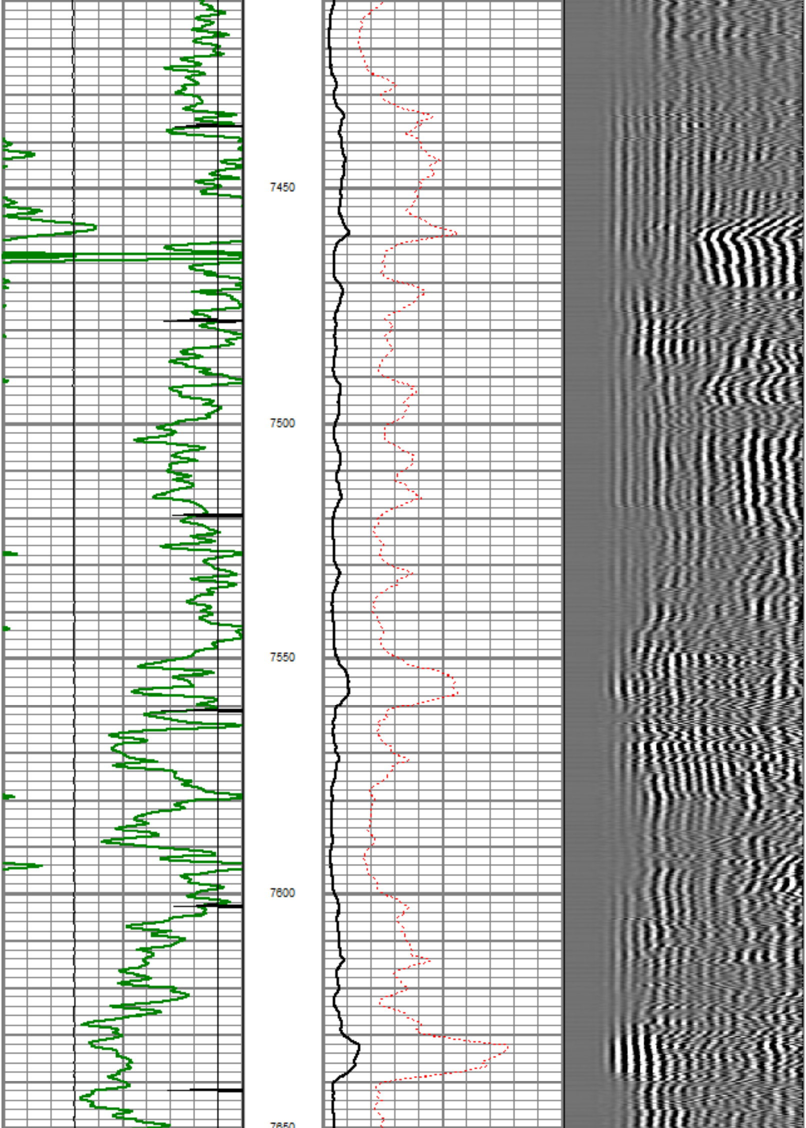


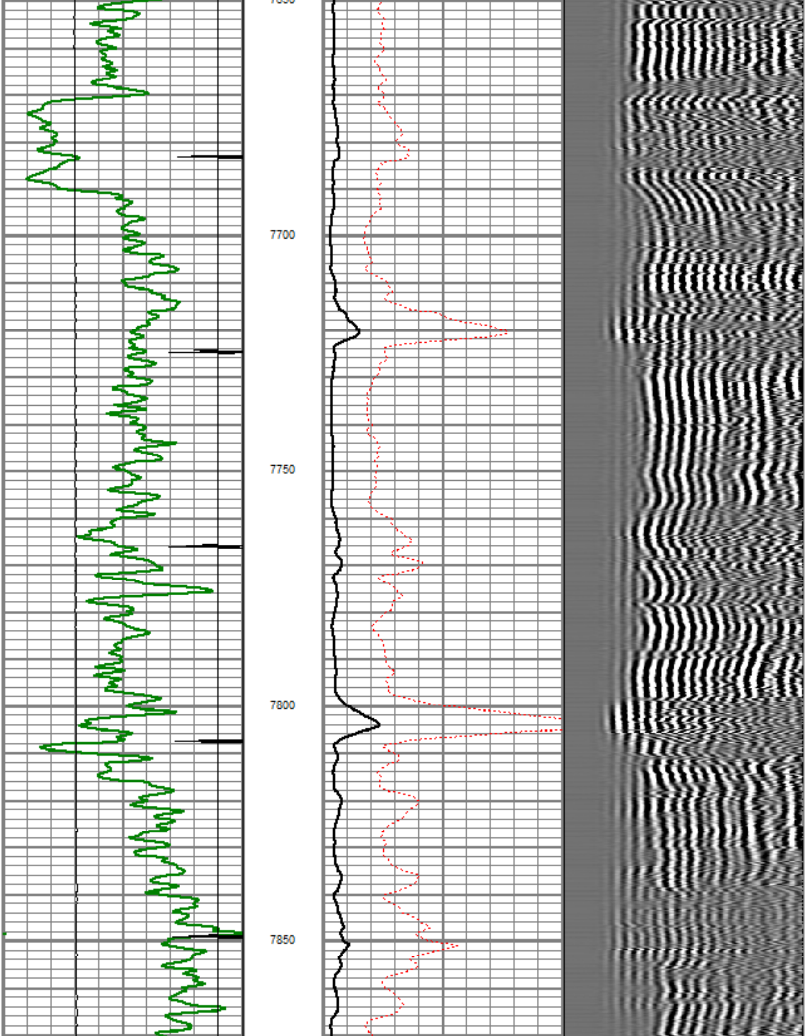


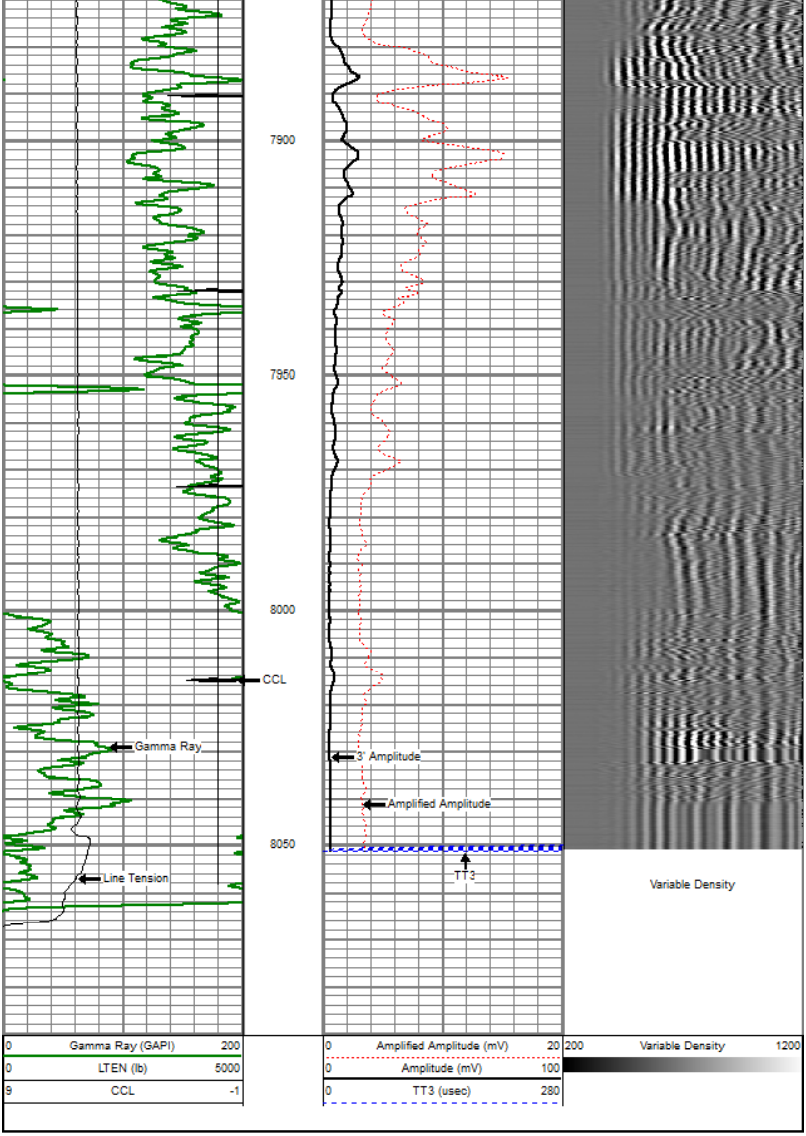


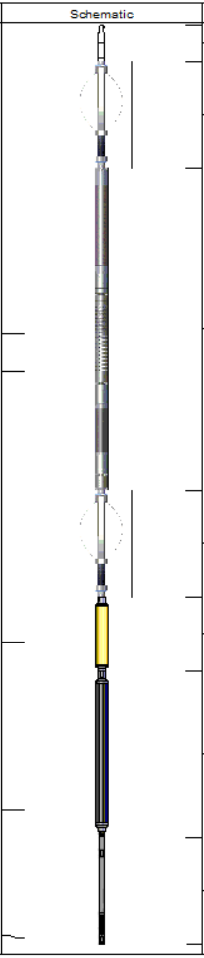












Sensor	Offset (ft)
WVF3	16.56
WVF5	15.56
CCL	8.21
GR	3.63
TEMP	0.17

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
CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_2 1) Probe 2.75" Dual Receiver Bond	8.77	2.75	60.00
Centralizer-Probe (CENT-PROBE-2) Probe Bowspring Centralizer	2.88	2.75	10.00
CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_0 Probe 2 Magnet CCL	2.02	2.75	
GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	2.75	30.00
TEMP-Comprobe (TEMP_CMPRB_1375_0' Positive pulse Temp tool	2.88	1.38	15.00

Dataset:	rasmussen 4-4-28.db: field/well/run1/pass3
Total Length:	24.98 ft
Total Weight:	126.50 lb
O.D.	2.75 in

Company	ENCANA OIL & GAS (USA) INC
Well	RASMUSSEN 4-4-28
Field	WATTENBERG
County	WELD
State	COLORADO