Company ENCANA OIL & GAS
Well ARISTOCRAT ANGUS 1-4
Field WATTENBERG
County WELD
State CO

Mesa Wireline LLC

CEMENT BOND LOG

Company ENCANA OIL & GAS
Well ARISTOCRAT ANGUS 1-4
Field WATTENBERG
County WELD State CO

Location: API #: 05-123-33468-00
LAT: 40.259940 LONG: -104.662710
614' FNL & 1078' FEL
SEC: 4 TWP: 3N RGE: 65W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4815'
Log Measured From KELLY BUSHING = 12'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4827'
D.F. 4826'
G.L. 4815'

Date	27 AUGUST 2012
Run Number	ONE
Depth Driller	7450'
Depth Logger	7437'
Bottom Logged Interval	7437'
Top Log Interval	600'
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.34 PPG
Max. Recorded Temp.	263 DegF
Estimated Cement Top	2980'
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	W-061
Location	AULT, CO
Recorded By	M. CARPENTER
Witnessed By	T. LEIGHTON

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	722'				
TWO	7.875"	SURFACE	7450'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	SURFACE	722'
Prot. String				
Production String	4.50"	11.6#	SURFACE	7437'
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

NO LOG AVAILABLE TO CORRELATE TO FOR THIS LOG.
SHORT JOINT LOCATED AT: 6842' - 6863'

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

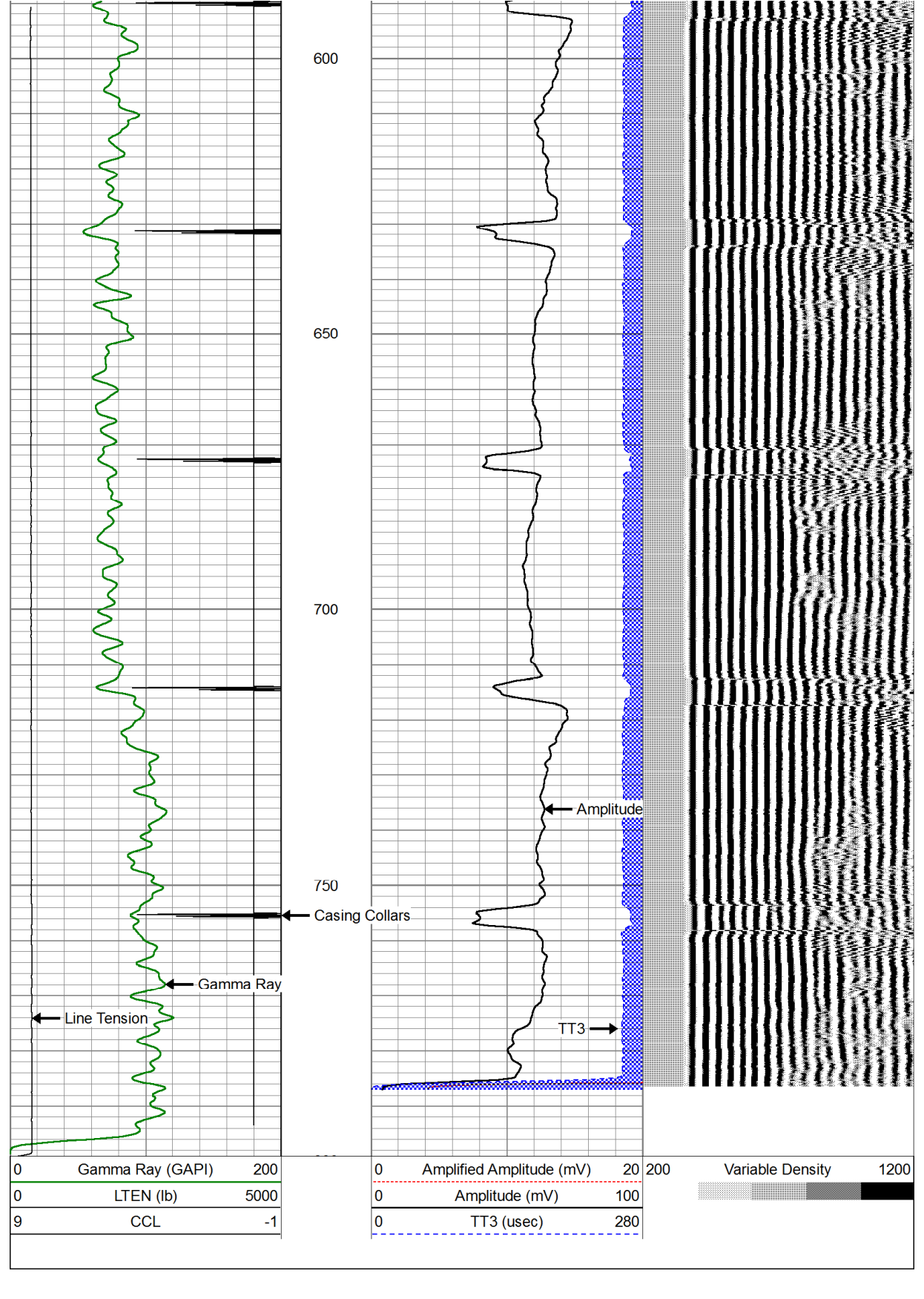
Mesa Wireline LLC

SURFACE CASING PASS

SCALE 5" = 100'

Database File: aristocrat angus 1-4 cbl.db
Dataset Pathname: pass10
Presentation Format: dcbl_prb
Dataset Creation: Mon Aug 27 12:43:57 2012 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			

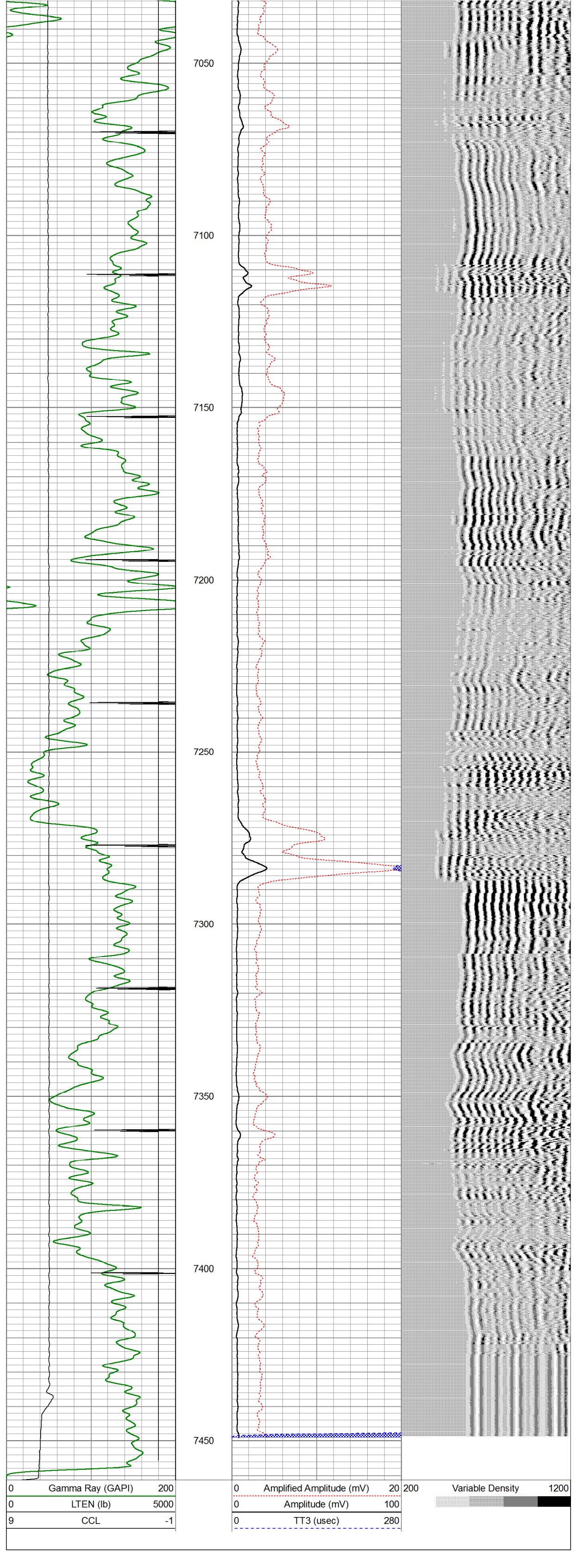
Mesa Wireline LLC

REPEAT PASS

SCALE 5" = 100'

Database File: aristocrat angus 1-4 cbl.db
Dataset Pathname: pass5
Presentation Format: dcbl_prb
Dataset Creation: Mon Aug 27 11:09:47 2012 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			

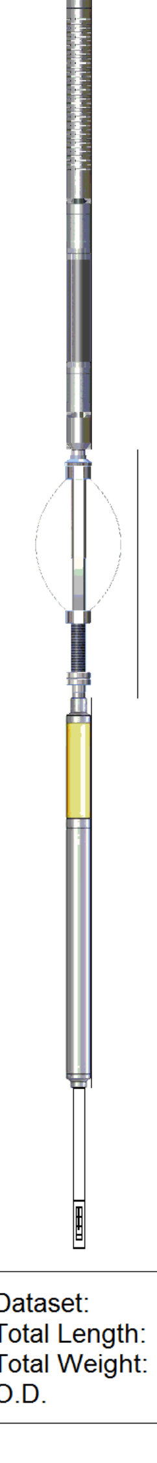
Mesa Wireline LLC

MAIN PASS

SCALE 5" = 100'

Database File: aristocrat angus 1-4 cbl.db
Dataset Pathname: pass8
Presentation Format: dcbl_prb
Dataset Creation: Mon Aug 27 11:24:03 2012 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)	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	13.54 12.54		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_01) 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 GR	5.50 2.77		GR-PROBE_GRCCL (PRB_GRCCL_275_ Probe 2.75" 4 Channel Pulse	4.54	2.75	30.00
TEMP	0.17		TEMP-1.375TEMP (11116HT) 1.375 Titan Temp Tool	1.88	1.40	30.00

Dataset: aristocrat angus 1-4 cbl.db: field/well/run1/pass8
Total Length: 21.96 ft
Total Weight: 141.50 lb
O.D. 2.75 in

MW Mesa Wireline LLC

Company	ENCANA OIL & GAS
Well	ARISTOCRAT ANGUS 1-4
Field	WATTENBERG
County	WELD
State	CO