Company GREAT WESTERN OIL AND GAS LLC
Well CAMPBELL JF 17-8D
Field WATTENBERG
County WELD
State CO

Mesa Wireline LLC

CEMENT BOND LOG

Company GREAT WESTERN OIL AND GAS LLC
Well CAMPBELL JF 17-8D
Field WATTENBERG
County WELD State CO

Location: API #: 05-123-36297-00
SHL: 1512' FNL & 1480' FEL SWNE
EST. BHL: 1949' FNL & 628' FEL SENE
SEC 17 TWP 2N RGE 65W

Other Services
TEMP

Permanent Datum GROUND LEVEL Elevation 4916'
Log Measured From KELLY BUSHING = 14'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4930'
D.F. 4929'
G.L. 4916'

Date	28 FEB 2013		
Run Number	ONE		
Depth Driller	7539'		
Depth Logger	7472'		
Bottom Logged Interval	7472'		
Top Log Interval	1550'		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	~8.34 PPG		
Max. Recorded Temp.	255 DegF		
Estimated Cement Top	1970'		
Time Well Ready	0800 HOURS		
Time Logger on Bottom	1300 HOURS		
Equipment Number	W-061		
Location	AULT, CO		
Recorded By	M. CARPENTER		
Witnessed By	S. ARMSTRONG		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	SURFACE	944'	8.625"	24#	SURFACE	944'
TWO	7.875"	SURFACE	7539'	4.5"	11.6#	SURFACE	7539'

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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

CORRLEATED TO PIONEER HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON LOG DATED JANUARY 27, 2013

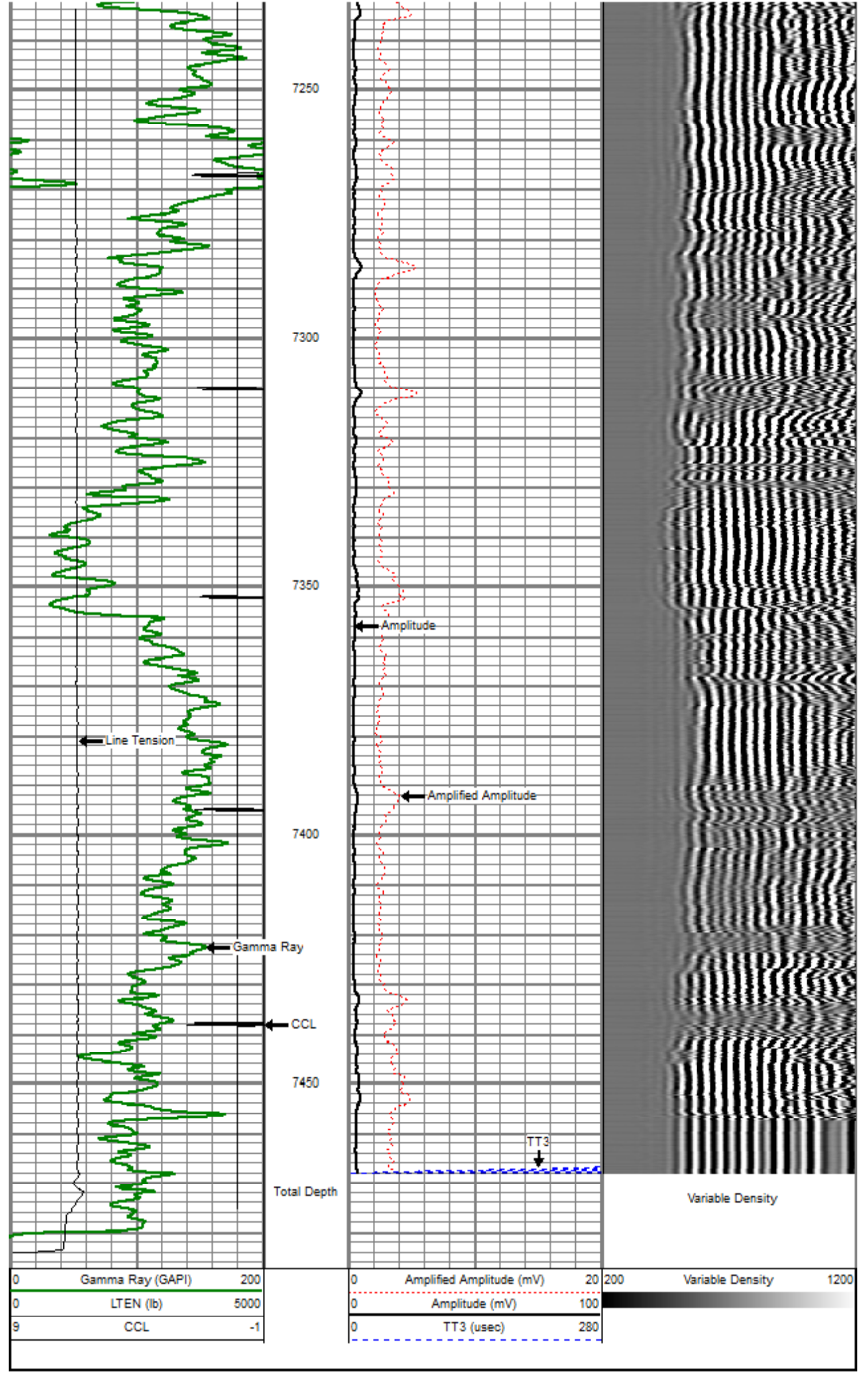
SHORT JOINT LOCATED AT 6903'-6917' AND 7172'-7186'

Mesa Wireline

REPEAT PASS

5" = 100'

Database File: campbell 17-8d cbl.db
Dataset Pathname: pass3
Presentation Format: dcbl_prb
Dataset Creation: Thu Feb 28 13:15:24 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

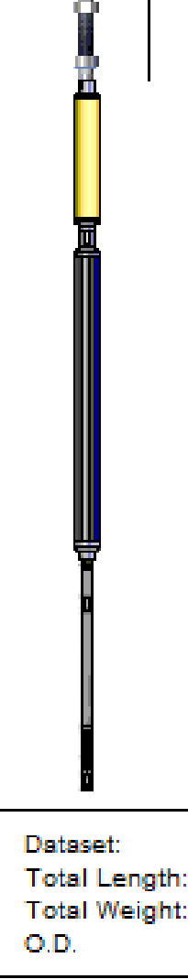


Mesa Wireline

MAIN PASS

5" = 100'

Database File: campbell 17-8d cbl.db
Dataset Pathname: pass4
Presentation Format: dcbl_prb
Dataset Creation: Thu Feb 28 13:22:23 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

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	16.56 15.56		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	8.21		CCL-PRB_CCL_2MAG (PRB_CCL_2MAG_02.02 Probe 2 Magnet CCL		2.75	
GR	3.63		GR-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	2.75	30.00
TEMP	0.17		TEMP-Comprobe (TEMP_CMPRB_1375_0´2.88 Positive pulse Temp tool		1.38	15.00

Dataset: campbell 17-8d cbl.db: field/well/run1/pass4
Total Length: 24.98 ft
Total Weight: 126.50 lb
O.D. 2.75 in

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Field	WATTENBERG
County	WELD
State	CO