CEMENT BOND LOG

Mesa Wireline LLC

Company	GREAT WESTERN OIL AND GAS LLC
Well	CAMPBELL JF 17-13D
Field	WATTENBERG
County	WELD
State	CO

Company GREAT WESTERN OIL AND GAS LLC
Well CAMPBELL JF 17-13D
Field WATTENBERG
County WELD State CO

Location: API #: 05-123-36325-00
SHL: 1512' FNL & 1510' FEL SWNE
EST. BHL: 2618' FSL & 2641' FEL NWSE
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	7698'
Depth Logger	7626'
Bottom Logged Interval	7626'
Top Log Interval	1950'
Open Hole Size	12.25"
Type Fluid	WATER
Density / Viscosity	~8.34 PPG
Max. Recorded Temp.	255 DegF
Estimated Cement Top	2280'
Time Well Ready	0800 HOURS
Time Logger on Bottom	1100 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

<<< Fold Here >>>

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 18, 2013

SHORT JOINT LOCATED AT 7116'-7131' AND 7418'-7433'

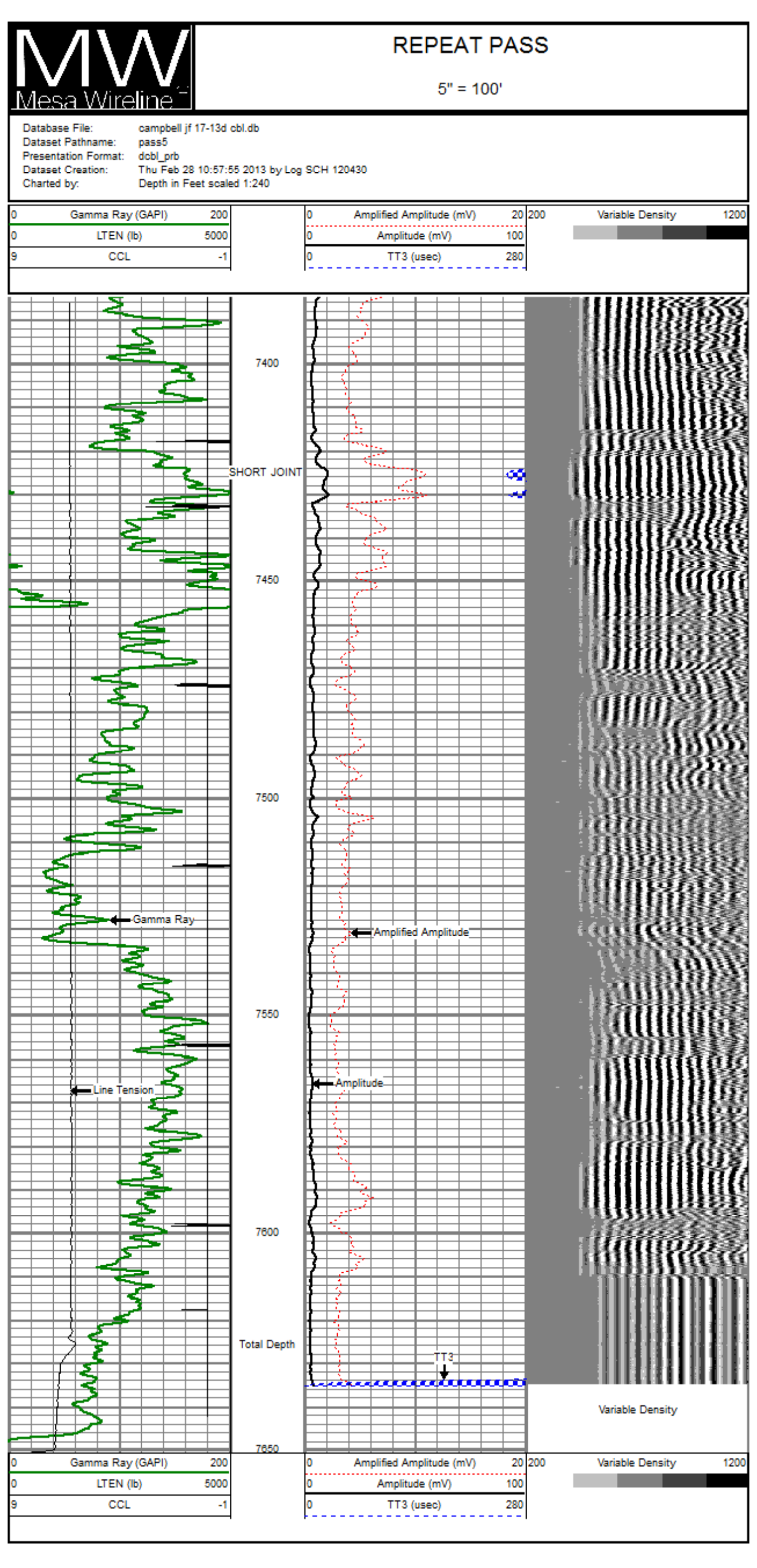
Mesa Wireline

REPEAT PASS

5" = 100'

Database File: campbell jf 17-13d cbl.db
Dataset Pathname: pass5
Presentation Format: dcbl_prb
Dataset Creation: Thu Feb 28 10:57:55 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			



Variable Density

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			

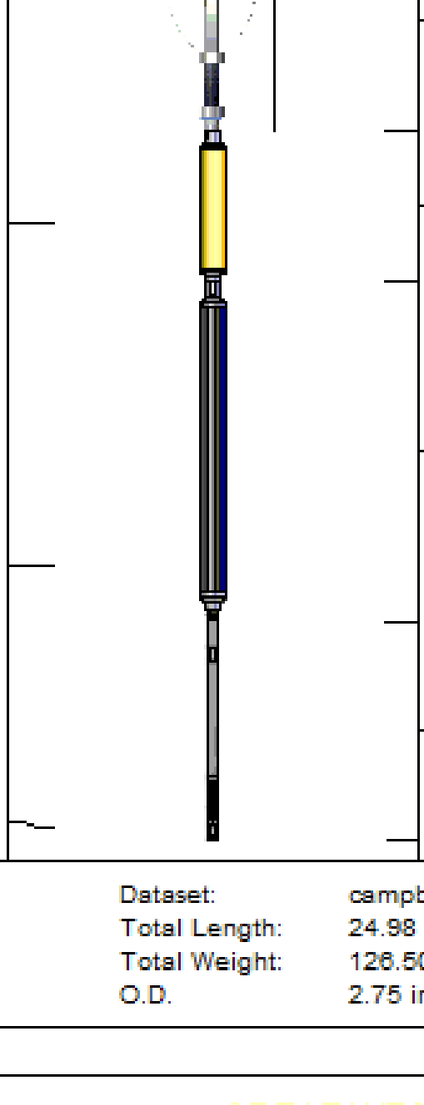
Mesa Wireline

MAIN PASS

5" = 100'

Database File: campbell jf 17-13d cbl.db
Dataset Pathname: pass3
Presentation Format: dcbl_prb
Dataset Creation: Thu Feb 28 13:01:40 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	16.56		CBL-PRB_CBL_DIGITAL (PRB_CBL_DIG_28.77 1) Probe 2.75" Dual Receiver Bond		2.75	60.00
WVF5	15.56					
			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-PROBE_GR (PRB_GR_275_01) Probe stand alone Gamma Ray Tool	4.54	2.75	30.00
GR	3.63					
			TEMP-Comprobe (TEMP_CMPRB_1375_0´2.88 Positive pulse Temp tool		1.38	15.00
TEMP	0.17					

Dataset:	campbell jf 17-13d cbl.db: field/well/run1/pass6.3
Total Length:	24.98 ft
Total Weight:	126.50 lb
O.D.	2.75 in

Company	GREAT WESTERN OIL AND GAS LLC
Well	CAMPBELL JF 17-9D
Field	WATTENBERG
County	WELD
State	CO