J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	BONANZA CREEK ENERGY
Well	Moore State 2-36
Field	North Park
County	Jackson
State	COLORADO

Company BONANZA CREEK ENERGY
Well Moore State 2-36
Field North Park
County Jackson State COLORADO
Location: API #: 05-057-06509-00
2389' FSL & 572' FWL
LAT: 40.61911, LONG: -106.10156
SEC 36 TWP 8N RGE 78W
Other Services: NONE

Permanent Datum	GROUND LEVEL	Elevation 8498'	Elevation
Log Measured From	KELLY BUSHING		K.B. -----
Drilling Measured From	KELLY BUSHING		D.F. -----
			G.L. 8498'

Date	22-OCT-2012
Run Number	ONE
Depth Driller	9400'
Depth Logger	7012'
Bottom Logged Interval	7012'
Top Log Interval	3060'
Open Hole Size	7 7/8"
Type Fluid	Water
Density / Viscosity	---
Max. Recorded Temp.	---
Estimated Cement Top	---
Time Well Ready	---
Time Logger on Bottom	---
Equipment Number	3011
Location	BRIGHTON
Recorded By	SISNEROS
Witnessed By	MR. KURT DODGE

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4 1/2	11.6	SURFACE	TOTAL DEPTH
Liner				

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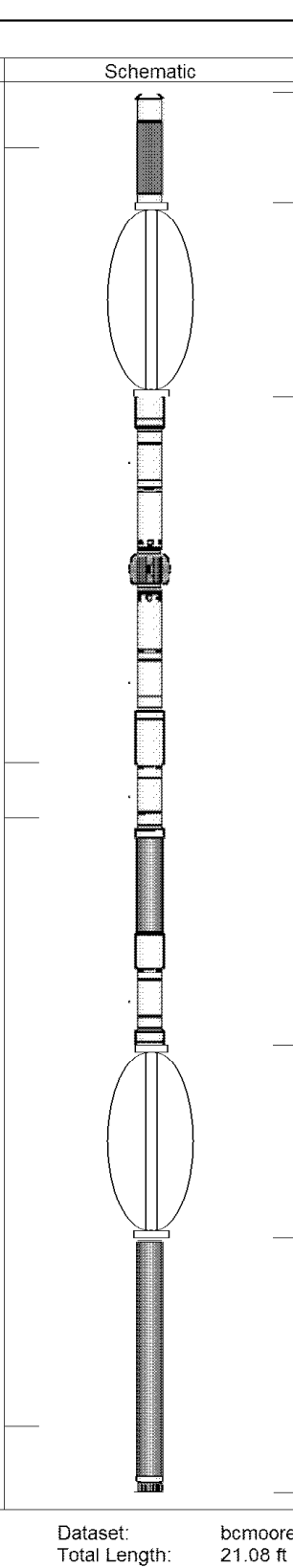
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Compact Triple Combo Quick Look Log dated Sept 23, 2012.

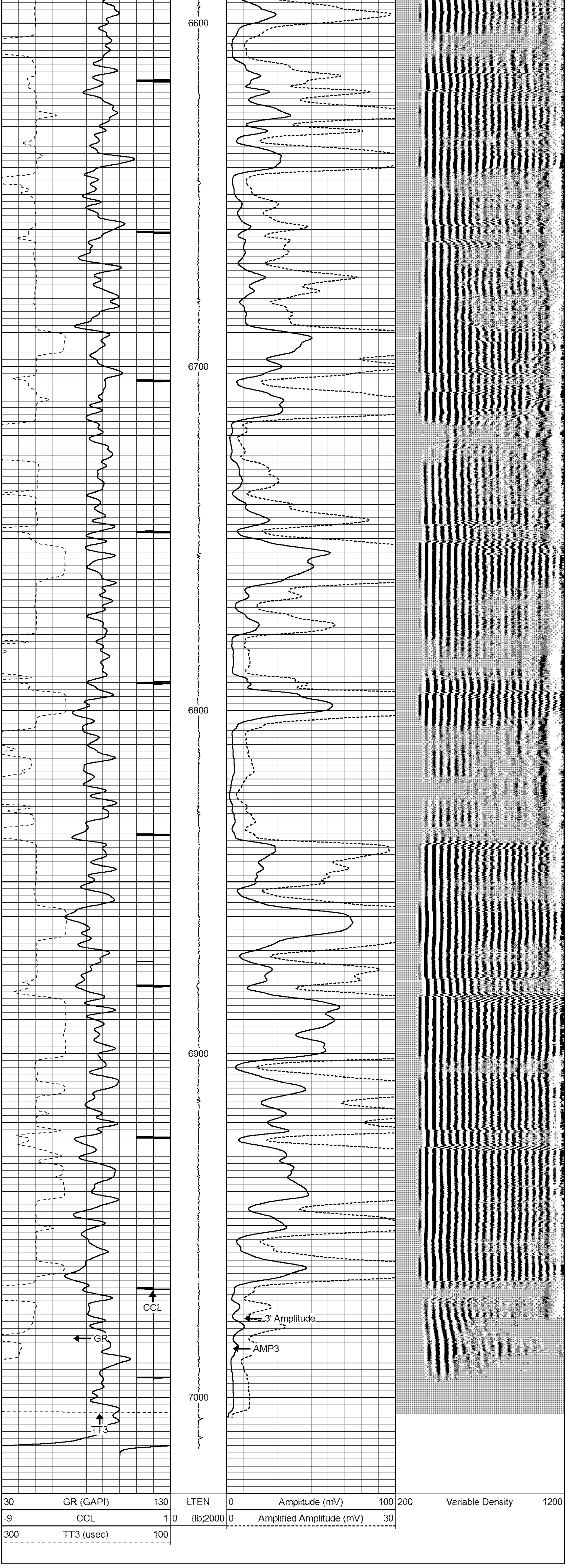
Log Split for Correlation Purposes.



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
CCL	20.25	CCL-169TEKCO (169) 1 11/16" Tekco Logging	1.67	1.69	20.00
		CENT-TekCo (1 11/16 Adj.) (001) 1 11/16" Tekco Cent	2.92	1.69	10.00
WVF3	11.00	CBL-3-5tekco169 (1) 1 11/16 Tekco w/o Temp	9.75	1.69	70.00
WVF5	10.17				
		CENT-TekCo (1 11/16 Adj.) (002) 1 11/16" Tekco Cent	2.92	1.69	10.00
GR	1.00	GR-1.69TEKCO (576) 1 11/16 Tekco Logging GR	3.83	1.69	50.00

Dataset: bcmoorestate2-36_102212cbl.db: field/well/run1/pass1
Total Length: 21.08 ft
Total Weight: 160.00 lb
O.D. 1.69 in

Database File: bcmoorestate2-36_102212cbl.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Mon Oct 22 14:48:28 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File:	bcmoorestate2-36_102212cbl.db
Dataset Pathname:	pass1
Dataset Creation:	Mon Oct 22 14:48:28 2012 by Log SCH 111116

Gamma Ray Calibration Report

Serial Number:	576	
Tool Model:	1.69TEKCO	
Performed:	Mon Oct 22 14:30:52 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	1	
Tool Model:	3-5tekco169	
Performed:	Mon Oct 22 14:30:46 2012	
Depth:	3606.09	ft
Casing Diameter:	4.5	in

	3' Spacing	5' Spacing	
Signal Zero:	1	1	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.5	2.08254	V
Gain:	32.0784	38.5087	
Offset:	1	1	