Company	SUNDANCE ENERGY INC.
Well	MLD 12-22
Field	WATTENBERG
County	WELD
State	COLORADO

J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company SUNDANCE ENERGY INC.
Well MLD 12-22
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-36101-00
SHL: 854' FNL & 1305' FWL NWNW
BHL: 1939' FNL & 663' FWL SWNW
SEC. 22 TWP. 4N RGE. 68W
SEC TWP RGE

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4877
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4893
D.F. 4892
G.L. 4877

Date	05-DECEMBER-2012	07-DECEMBER-2012
Run Number	ONE	THREE
Depth Driller	7185	7185
Depth Logger	6623	6756
Bottom Logged Interval	6616	6763
Top Log Interval	2100	6150
Open Hole Size	7 7/8	--
Type Fluid	WATER	WATER
Density / Viscosity	--	--
Max. Recorded Temp.	NOT RECORDED	--
Estimated Cement Top	2200	---
Time Well Ready	--	--
Time Logger on Bottom	--	--
Equipment Number	2405/WHITE	SAME
Location	BRIGHTON	SAME
Recorded By	HAYES	SAME
Witnessed By	MR. DEAN ROGERS	SAME

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	--	SURFACE	581
Prot. String				
Production String	4.5	11.6#	SURFACE	TOTAL DEPTH
Liner				

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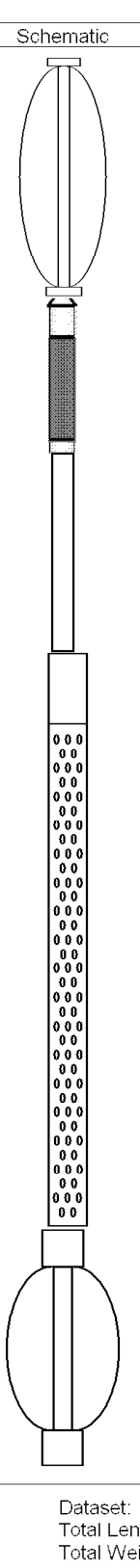
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 HRI CD CN LOG
DATED 23-NOVEMBER-2012

LOG SPLIT FOR CORRELATION PURPOSES



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-A (1)	3.00	1.69	10.00
CCL	14.06		CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.96	2.75	20.00
GR	11.49		GR-s_t001 (t001)	2.52	1.69	30.00
WVF5 WVF3	7.34 6.34		CBL-3_5 (001)	7.23	2.44	127.00
			CENT-B (2)	3.00	1.69	10.00

Dataset: mld12-22.db: field/well/run1/pass3
Total Length: 17.71 ft
Total Weight: 197.00 lb
O.D. 2.75 in

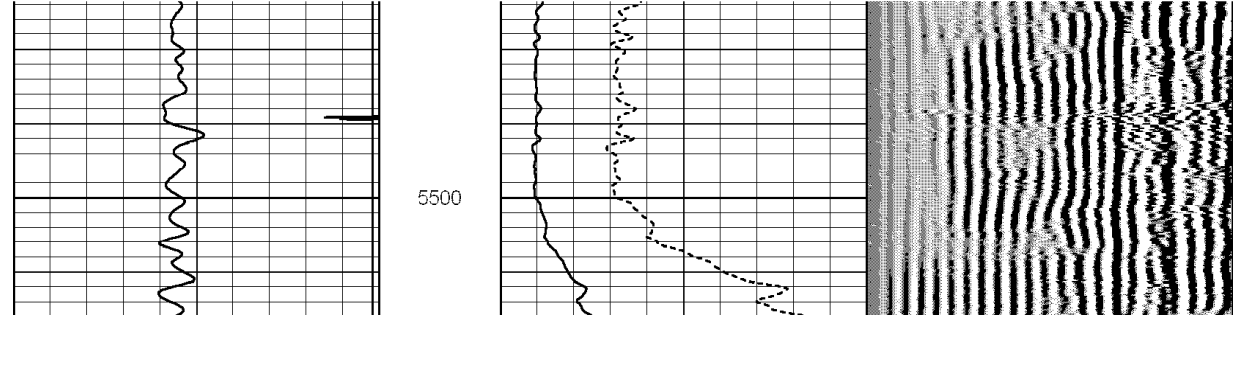
Database File: mld12-22.db
Dataset Pathname: pass3
Presentation Format: cblx
Dataset Creation: Wed Dec 05 20:20:52 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

30	Gamma Ray (GAPI)	130		0	3' Amplitude (mV)	100	200	Variable Density	1200
15	CCL	-0.25		0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200							

30	Gamma Ray (GAPI)	130		0	3' Amplitude (mV)	100	200	Variable Density	1200
15	CCL	-0.25		0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200							

Database File: mld12-22.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Wed Dec 05 20:01:15 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	200		0	3' Amplitude (mV)	100	200	Variable Density	1200
15	CCL	-0.25		0	Amplified Amplitude (mV)	30			
300	TT3 (usec)	200							



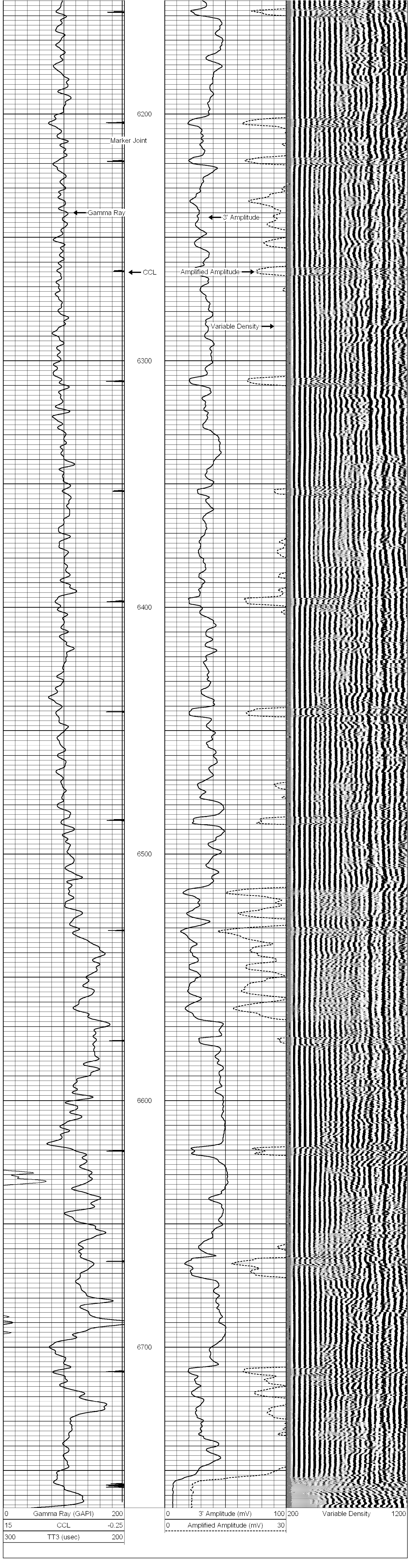
J-W WIRELINE COMPANY

PASS 3 AFTER DRILLOUT

DATED 07-DECEMBER-2012

Database File:	mld12-22.db
Dataset Pathname:	merge7
Presentation Format:	cblx
Dataset Creation:	Fri Dec 07 20:02:46 2012 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

0 Gamma Ray (GAPI) 200
15 CCL -0.25
300 TT3 (usec) 200
0 3' Amplitude (mV) 100
0 Amplified Amplitude (mV) 30
200 Variable Density 1200



Calibration Report

Database File:	mld12-22.db
Dataset Pathname:	merge7
Dataset Creation:	Fri Dec 07 20:02:46 2012 by Log SCH 111116

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Thu Dec 06 20:39:17 2012		
Depth:	782.558	ft	
Casing Diameter:	7	in	
	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	62.1651	62.1651	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.5	2.49907	V
Gain:	23.666	23.6748	
Offset:	3	3	

Gamma Ray Calibration Report

Serial Number:	t001	
Tool Model:	s_t001	
Performed:	Sun Jun 13 14:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps