J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company	NOBLE ENERGY INC.
Well	DECHANT 7-1-17
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.
Well DECHANT 7-1-17
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-28077-00
200' FNL & 1466' FEL
NW NE
SEC. 7 TWP. 3N RGE. 64W

Other Services
NONE

SEC		TWP		RGE
Permanent Datum	GROUND LEVEL	Elevation	4788	Elevation
Log Measured From	KELLY BUSHING			K.B. 4801
Drilling Measured From	KELLY BUSHING			D.F. 4801 G.L. 4788

Date	04-MAY-2011
Run Number	ONE
Depth Driller	7220
Depth Logger	7153
Bottom Logged Interval	7146
Top Log Interval	1560
Open Hole Size	7 7/8
Type Fluid	WATER
Density / Viscosity	--
Max. Recorded Temp.	240
Estimated Cement Top	1720
Time Well Ready	--
Time Logger on Bottom	--
Equipment Number	2405/YELLOW
Location	BRIGHTON
Recorded By	HAYES
Witnessed By	MR.MITCH TRIMBLE

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	24#	SURFACE	651
Prot. String				
Production String	4.5	11.6#	SURFACE	7213
Liner				

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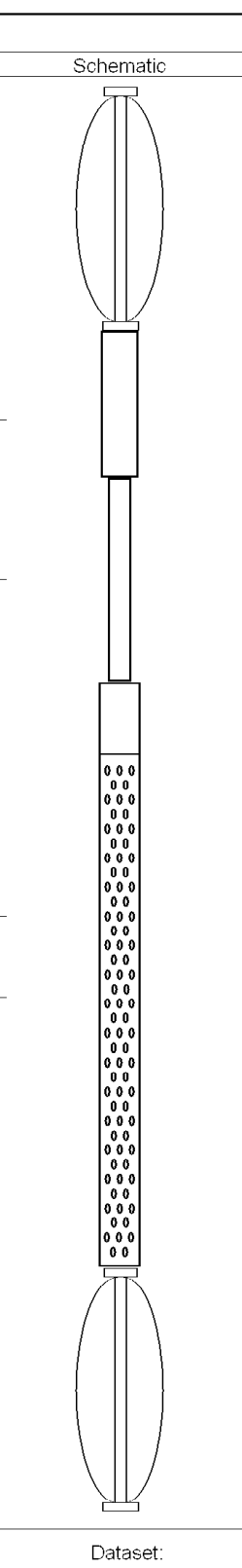
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 CD, CN, ML LOG
DATED 28-APRIL-2-11

LOG SPLIT FOR CORRELATION PURPOSES

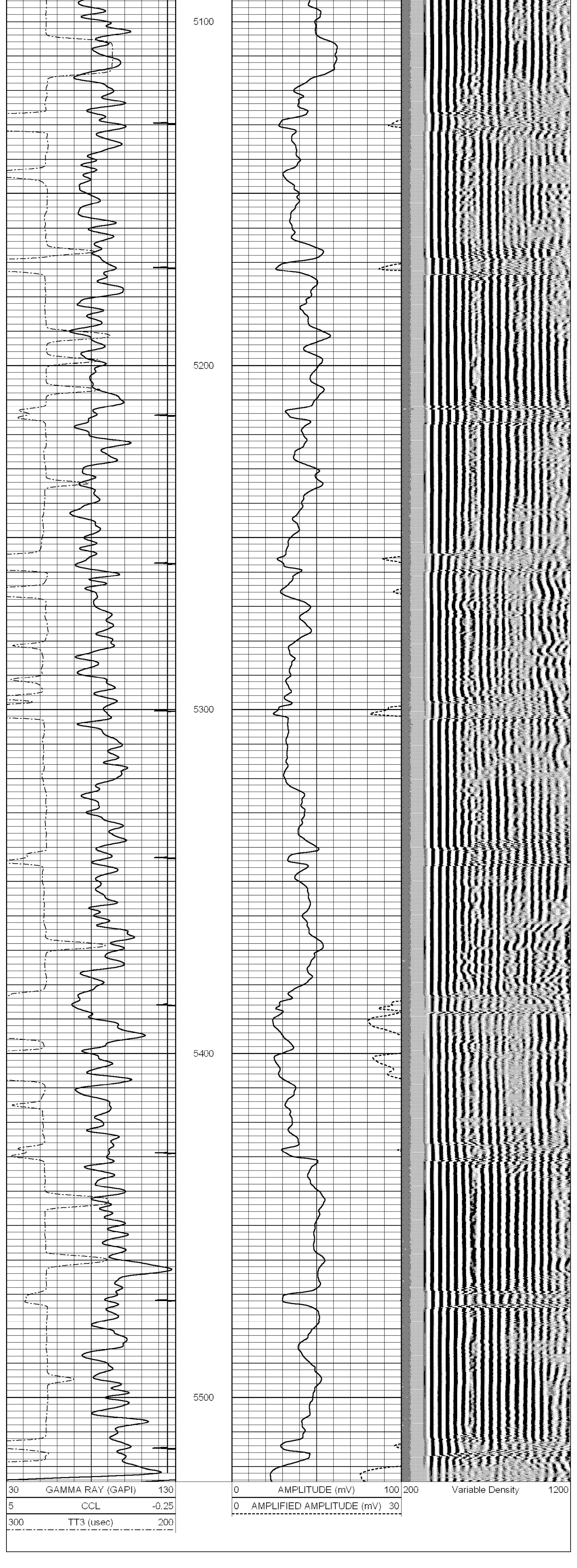


Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT-A (1)	3.00	1.69	10.00
CCL	13.46	CCL-TEKCO (TEK101)	1.81	2.75	10.00
GR	11.49	GR-s_t001 (t001)	2.52	1.69	30.00
WVF5	7.34	CBL-3_5 (001)	7.23	2.44	127.00
WVF3	6.34				
		CENT-B (2)	3.00	1.69	10.00

Dataset: dechant 7-1-17.db: field/well/run1/pass2
Total Length: 17.56 ft
Total Weight: 187.00 lb
O.D. 2.75 in

Database File: dechant 7-1-17.db
Dataset Pathname: pass2
Presentation Format: cblx
Dataset Creation: Wed May 04 12:48:52 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

30 GAMMA RAY (GAPI) 130	0 AMPLITUDE (mV) 100	200 Variable Density 1200
5 CCL -0.25	0 AMPLIFIED AMPLITUDE (mV) 30	
300 TT3 (usec) 200		



Database File: dechant 7-1-17.db
Dataset Pathname: pass1
Presentation Format: cblx
Dataset Creation: Wed May 04 12:25:56 2011 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: dechant 7-1-17.db
Dataset Pathname: pass2
Dataset Creation: Wed May 04 12:48:52 2011 by Log Std Casedhole 10121

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Wed May 04 12:06:01 2011		
Depth:	1162.02	ft	
Casing Diameter:	4.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.05	0	V
Reading in Free Pipe:	2.5	2.03516	V
Gain:	31.9168	38.4227	
Offset:	1.40416	3	

Gamma Ray Calibration Report

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