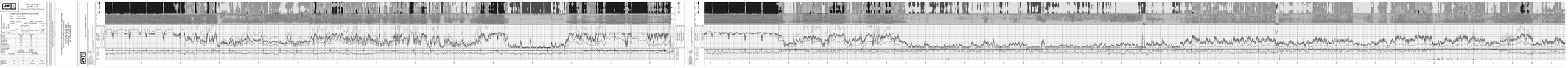

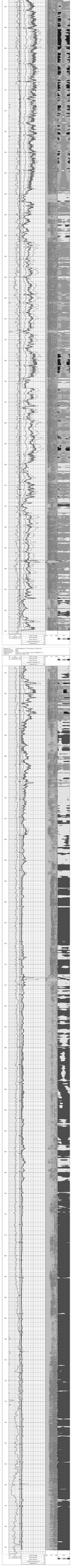

J-W WIRELINE COMPANY

SECTOR BOND
GAMMA RAY
COLLAR CORRELATION LOG

Company NOBLE ENERGY PRODUCTION INC.
Well TOOL G 2-18
Field WATTENBERG
County WELD State COLORADO

Location: API #: 05-123-25523-00
SEE REMARKS
FOR SEC., TWP., RGE.
SEC TWP RGE

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4683
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4697
D.F. 4696
G.L. 4683

Company NOBLE ENERGY PRODUCTION INC.
Well TOOL G 2-18
Field WATTENBERG
County WELD
State COLORADO

Date	27-MAY-2008	09-JUN-2008
Run Number	ONE	TWO
Depth Driller	7560	7560
Depth Logger	7514	2165
Bottom Logged Interval	7516	2154
Top Log Interval	1738	710
Open Hole Size	7 7/8	7 7/8
Type Fluid	WATER	WATER
Density / Viscosity	---	---
Max. Recorded Temp.	235	114 F
Estimated Cement Top	1922	912
Time Well Ready	---	---
Time Logger on Bottom	---	---
Equipment Number	473/CR-30	2337/19/CR29
Location	BRIGHTON, CO.	BRIGHTON
Recorded By	CURT ERICKSON	JACKSON
Witnessed By	MR. ARMSTRONG	MR. SCOTT ARMSTRONG

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	599
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 TOP CDN / MICRO LOG DATED 26-MARCH-2008
LOG SPLIT FOR CORRELATION PURPOSES
SHL: 90' FSL & 1475' FEL SW/SE
SEC. 35, TWP. 5N, RGE. 65W
BHL: 1480' FNL & 2517' FWL SE/NW
SEC. 2, TWP. 4N, RGE. 65W

J-W WIRELINE COMPANY

RUN 2 AFTER ANNULAR SQUEEZE

Database File: c:\warrior\data\tool g 2-18 sector\tool g 2-18sector.db
Dataset Pathname: pass8
Presentation Format: scbl01
Dataset Creation: Mon Jun 09 11:28:37 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

-4 CCL 1
30 GR (GAPI) 130
0 Sector Average 150
0 Sector Maximum 150
0 Sector Minimum 150
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200
VAD 10 81

-4 CCL 1
30 GR (GAPI) 130
0 Sector Average 150
0 Sector Maximum 150
0 Sector Minimum 150
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200
VAD 10 81

Database File: c:\warrior\data\tool g 2-18 sector\tool g 2-18sector.db
Dataset Pathname: pass4
Presentation Format: scbl01
Dataset Creation: Tue May 27 12:40:47 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

9 CCL -1
30 GR (GAPI) 130
0 Sector Average 150
0 Sector Maximum 150
0 Sector Minimum 150
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200
VAD 10 81

9	CCL	-1	0	Sector Average	150	200	VDL	1200
30	GR (GAPI)	130	0	Sector Maximum	150		VAD	
			0	Sector Minimum	150	10		81
			0	Amplified Amplitude (mV)	30			
			0	Amplitude (mV)	100			

Database File: c:\warrior\data\tool g 2-18 sector\tool g 2-18sector.db
Dataset Pathname: pass2
Presentation Format: scbl01
Dataset Creation: Tue May 27 11:08:59 2008 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

9	CCL	-1	0	Sector Average	150	200	VDL	1200
0	GR (GAPI)	180	0	Sector Maximum	150		VAD	
			0	Sector Minimum	150	10		81
			0	Amplified Amplitude (mV)	30			
			0	Amplitude (mV)	100			

9	CCL	-1	0	Sector Average	150	200	VDL	1200
0	GR (GAPI)	180	0	Sector Maximum	150		VAD	
			0	Sector Minimum	150	10		81
			0	Amplified Amplitude (mV)	30			
			0	Amplitude (mV)	100			