BRAN-DEX
WIRELINE SERVICES

GAMMA RAY C.C.L.
CEMENT BOND V.D.L.
SECTOR MAP

Company ENCANA OIL & GAS (USA) INC.
Well MANTLE 4-2-28
Field WATTENBERG
County WELD
State CO.

Company ENCANA OIL & GAS (USA) INC.
Well MANTLE 4-2-28
Field WATTENBERG
County WELD State CO.
Location: API # :
SHL: 1881' FNL & 1590' FEL SWNE
BHL: 1488' FNL & 2544' FEL
SEC 28 TWP 4N RGE 65W
Other Services

Permanent Datum	GL	Elevation 4820	Elevation K.B. 4832 D.F. 4831 G.L. 4820
Log Measured From	KB		
Drilling Measured From	KB		

Date	MARCH 6 2007
Run Number	ONE
Depth Driller	7945
Depth Logger	7873
Bottom Logged Interval	7871
Top Log Interval	3376
Open Hole Size	
Type Fluid	
Density / Viscosity	
Max. Recorded Temp.	248
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	581
Location	STERLING
Recorded By	DIZMANG
Witnessed By	CECIL CLARK

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"			
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

CORRECTED UPHOLE 1' TO CORRELATE TO
PSI OPENHOLE DATED MARCH 2 2007
LOG RUN UNDER 1000 PSI

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CCL-S_101 (101)	2.92	1.69	11.00
CCL	17.99					
			CENT-TEKCO (101)	2.73	2.25	
TEMP	12.57					
WVFCAL	11.15					
WVFS1	11.15		SCBLTEKSECT-225Temp (T225t_001) TekCo 2 1/4" Sector Tool with Temperature	9.11	2.25	75.00
WVFS2	11.15					
WVFS3	11.15					
WVFS4	11.15					
WVFS5	11.15					
WVFS6	11.15					
WVFS7	11.15					
WVFS8	11.15					
WVF3FT	10.40					
WVF5FT	9.40					
WVFTEMP	6.15					
WVFSYNC	6.15					
			CENT-TEKCO (102)	2.73	2.25	
			GR-FLEX (100) Flexstack Gamma Ray	3.42	1.69	22.05
GR	0.67					

Dataset: mantle4-2-28.db: field/well/run1/pass4
Total Length: 20.91 ft
Total Weight: 108.05 lb
O.D. 2.25 in

Database File: mantle4-2-28.db
Dataset Pathname: pass4
Presentation Format: scbl02
Dataset Creation: Wed Mar 07 13:15:37 2007 by Log Std Casedhole 06103
Charted by: Depth in Feet scaled 1:240

360 TT (usec) 220	0 AMP (mV) 85	0 AMPAVG 100	200 VDL 1200	1 SECTORS 8
-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 100		10 85
0 GR (GAPI) 300		0 AMPMIN 100		

360 TT (usec) 220	0 AMP (mV) 85	0 AMPAVG 100	200 VDL 1200	1 SECTORS 8
-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 100		10 85
0 GR (GAPI) 300		0 AMPMIN 100		

Database File: mantle4-2-28.db
Dataset Pathname: pass2
Presentation Format: scbl02
Dataset Creation: Wed Mar 07 12:34:11 2007 by Log Std Casedhole 06103
Charted by: Depth in Feet scaled 1:240

360 TT (usec) 220	0 AMP (mV) 85	0 AMPAVG 100	200 VDL 1200	1 SECTORS 8
-9 CCL 1	0 AMPx5 (mV) 30	0 AMPMAX 100		10 85
0 GR (GAPI) 300		0 AMPMIN 100		

7350
7400
7450
7500
7550
7600
7650
7700
7750
7800
7850
360 TT (usec) 220
-9 CCL 1
0 GR (GAPI) 300
0 AMP (mV) 85
0 AMPx5 (mV) 30
0 AMPAVG 100
0 AMPMAX 100
0 AMPMIN 100
200 VDL 1200
1 SECTORS 8
10 85