BRAN-DEX
WIRELINE SERVICES

GAMMA RAY CCL
CEMENT BOND VDL

Company ENCANA OIL AND GAS (USA) INC
Well CHARRON 24-31
Field WATTENBERG
County WELD State COLORADO

Location
Other Services
SEC 31 TWP 3N RNG 66W
Permanent Datum GL Elevation 4,977.00 Ft Above Perm. Datum
Log Measured From KB 16.00 Ft Above Perm. Datum
Drilling Measured From KB

Run Number	1		
Date	10/27/2009		
Depth Driller	8,000		
Depth Logger	8,000		
Bottom Logged Interval	8,000		
Top Logged Interval	6,000		
Type Fluid in Hole			
Salinity, PPM Cl			
Density / Viscosity	0.0		
Max Recorded Temp, deg. F			
Estimated Cement Top			
Time Since Circulation			
Time Since Cement Job			
Equipment Number	1304		
Location	GREELEY		
Recorded By	BRAN-DEX		
Witnessed By	BRAN-DEX		

Run Number	Bore-Hole Record				Casing Record			
	On Bottom							
	Bit Size	From	To	Weight	Size	Weight	From	To
1	7.875	0	8,000		4.5	11.6	0	8,000

CEMENT BOND LOG
VARIABLE DENSITY
GAMMA RAY
CASING COLLAR LOCATOR

Scale 1 : 240

Gamma Ray (GR) (API)
0 — 100

Tension (LB)
0 — 1,000

CCL (V)
0 — 10

CBL Amplitude (CBL) (MV)
0 — 100

VDL (US/F)
200 — 0

Gamma Ray (GR) (API)
0 — 100

Tension (LB)
0 — 1,000

CCL (V)
0 — 10

CBL Amplitude (CBL) (MV)
0 — 100

VDL (US/F)
200 — 0

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