



CATHEDRAL

Cathedral Energy Services
1819 North Pyrite Road
Casper, Wyoming 82604

145207

5"-100' - TVD

11/6/2014 1:33:43 PM

Oper. Company: Encana Oil & Gas (USA) Inc.

Country: U.S.A.

State / Province: Colorado

County / Parish: Weld

Started: 07/02/2014 01:30 PM

API/UWI: 05-123-380040-000

Field: Wattenberg (B Chalk)

Well: Jillson-East Rinn 3I-22H-N268

Rig: Helmerich & Payne 278

Ended: 07/05/2014 07:00 AM

Gamma Ray
Section Plane: 0.00
Magnetic North: 8.56
Gamma Correction Factor
2.64 Start 5000' End 7726

Personnel

Day Hand: A. Evans

Night Hand: M. Leiberger

Comp. Emp: Randy Berk

Location

Latitude: 40.117591

Longitude: -104.991241

Elev. GL: 4975

Elev. DF:

Elev. KB: 5000

Log and Survey Depths Relative to Kelly Bushing (KB) Depth

Hole Data

Size	From	To
12-1/4	0	880
8-3/4	880	7832
6-1/8	7832	15040

Casing Data

Size	From	To
9-5/8	0	880
7	0	7832

Bit Sizes

Size	From	To
12-1/4	0	880
8-3/4	880	7832
6-1/8	7832	15040

Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	8.5						880	5000
LSND	10.2						5000	7832

Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
1278	37.21	0	7/2/2014 4:48:23 PM	880	7/3/2014 4:48:23 PM	2342
175-1486	44.05	0	7/3/2014 4:50:25 PM	2342	7/5/2014 7:00:25 AM	7832

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, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

0.00 Gamma (API) 150.00 TVD 0.00 ROP (FT/HR) 600.00
150.00 2 300.00 FT























