



Cathedral Energy Services
1949 North Pyrite Road
Casper, Wyoming 82604

155055

5":100' - TVD

1/26/2015 10:13:59 AM

CATHEDRAL

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

Country: U.S.A.

State / Province: Colorado

County / Parish: Weld

Started: 01/19/2015 04:00 AM

API/UWI: 05-123-4028600

Field: Wattenberg

Well: Ruhl 1G-32H-B264

Rig: Ensign Drilling 135

Ended: 01/24/2015 12:00 PM

Gamma Ray
Section Plane: 180.00
Magnetic North: 8.25
Gamma Averaging: 7%

Personnel

Day Hand: K. Wagoner

Night Hand: J. Corby

Comp. Emp: Gage Soehner

Maximum Temperature: 206°F

Location

Latitude: 40.101449

Longitude: -104.570909

Elev. GL: 4997

Elev. DF:

Elev. KB: 5010

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

Hole Data

Size	From	To
12-1/4	137	1170
8-3/4	1170	7460
6-1/8	7460	11500

Casing Data

Size	From	To
9-5/8	0	1160
7	0	7438

Bit Sizes

Size	From	To
12-1/4	137	1170
8-3/4	1170	7460
6-1/8	7460	11500

Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
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Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
278	36.33	0	1/19/2015 4:31:37 AM	5000	1/20/2015 5:15:37 AM	7460
278	39.44	0	1/21/2015 8:32:09 PM	7460	1/24/2015 7:32:09 AM	11500

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





















