



Cathedral Energy Services  
1949 North Pyrite Road  
Casper, Wyoming 82604

# CATHEDRAL

145329

5":100' - TVD

10/21/2014 11:45:25 AM

**Oper. Company:** Encana Oil and Gas (USA) Inc.

**Country:** U.S.A.

**State / Province:** Colorado

**County / Parish:** Weld

**Started:** 09/26/2014 01:00 AM

**API/UWI:** 05-123-38093

**Field:** Wattenburg

**Well:** Grant Hurt 1H-14H-G268

**Rig:** Patterson Drilling 326

**Ended:** 10/02/2014 01:00 AM

Gamma Ray:  
Section Plane:0  
Magnetic North:8.51  
Gamma Attenuation Factor: 4.055  
2.928

Gamma Averaging: 7%

## Personnel

**Day Hand:** J. Minter

**Night Hand:** M. Liebergot

**Comp. Emp:** Norman McCreary

Maximum Temperature: 245°F

## Location

**Latitude:** 40.139280

**Longitude:** -104.966480

**Elev. GL:** 4888

**Elev. DF:**

**Elev. KB:** 4920

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

## Hole Data

Size	From	To
12-1/4	0	885
8-3/4	885	7608
6-1/8	7608	14449

## Casing Data

Size	From	To
9-5/8	0	867
7	0	7608
5	0	14449

## Bit Sizes

Size	From	To
12-1/4	0	867
8-3/4	867	7608
6-1/8	7608	14449

## 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
DG2976	36.87	0	9/26/2014 8:15:23 AM	5000	9/29/2014 8:15:23 AM	7806
IEKF6-01	40.48	0	9/28/2014 8:17:27 AM	7608	10/2/2014 8:17:27 AM	14449

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

























