



Cathedral Energy Services  
1949 North Pyrite Road  
Casper, Wyoming 82604

5":100' - TVD

9/22/2014 3:28:07 AM

**Oper. Company:** Encana Oil & Gas

**Country:** USA

**State / Province:** Colorado

**County / Parish:** Weld

**Started:** 09/16/2014 12:00 AM

**API/UWI:** 05-123-38094

**Field:** DJ Wattenberg

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

**Rig:**

**Ended:** 09/23/2014 12:00 AM

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

### Personnel

**Day Hand:** Mike Andrew

**Night Hand:** Jim Minter

**Comp. Emp:**

Maximum Temperature: 245 °f

### Location

**Latitude:** 40.139280

**Longitude:** -104.966520

**Elev. GL:** 4888

**Elev. DF:** 4920

**Elev. KB:** 4920

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

### Hole Data

Size	From	To
12.25	0	850
8.75	850	7869
6.125	7869	14535

### Casing Data

Size	From	To
95/8	0	850
7	850	7869
5	7869	14535

### Bit Sizes

Size	From	To
12.25	0	850
8.75	850	7869
6.125	7869	14535

### 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
116	49.66	0	9/15/2014 1:43:06 AM	850	9/18/2014 1:43:06 AM	7896
2012	40.38	0	9/20/2014 1:43:47 AM	7896	9/23/2014 1:43:47 AM	14535

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      Surveys (MD/INC/AZ)  
150.00      2      300.00      FT



























