



CATHEDRAL

Cathedral Energy Services
1949 North Pyrite Road
Casper, Wyoming 82604

145307

5":100' - TVD
11/7/2014 9:05:39 AM

Oper. Company: Encana Oil & Gas (USA) Inc.
Country: U.S.A.
State / Province: Colorado
County / Parish: Weld
Started: 09/13/2014 07:00 AM

API/UWI: 05-123-37588-00
Field: Wattenberg (Niobrara)
Well: Drieth 1C-6H-A368
Rig: Ensign Drilling 135
Ended: 09/22/2014 11:00 AM

Gamma Ray
Section Plane: 270.00
Magnetic North: 8.57
Gamma Attenuation Factor: 4.12
Gamma Averaging: 7%

Personnel

Day Hand: J. Corby
Night Hand: J. Davis
Comp. Emp: Dennis Elrod

Location

Latitude: 40.260130
Longitude: -105.038150
Elev. GL: 5086
Elev. DF:
Elev. KB: 5099

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

Hole Data

Size	From	To
12-1/4	0	862
8-3/4	862	7585
6-1/8	7585	11422

Casing Data

Size	From	To
9-5/8	0	862
7	0	7585

Bit Sizes

Size	From	To
12-1/4	0	862
8-3/4	862	7585
6-1/8	7585	11422

Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
Water/LSND							862	7585
Water/LSND							7585	10118
Water/LSND							10118	11422

Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
1602	36.85	0	9/11/2014 6:00:18 PM	5000	9/18/2014 5:30:18 AM	7585
7585.00	39.91	0	9/19/2014 4:57:21 AM	7585	9/21/2014 12:00:21 AM	10118
1634	39.73	0	9/21/2014 5:05:41 AM	10118	9/22/2014 11:00:41 AM	11422

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





















