



Cathedral Energy
Cathedral Energy Services INC.
1949 N. Pyrite Rd
Casper, Wyoming 82604

145019

5":100' - TVD
1/19/2014 3:31:52 PM

Oper. Company: Encana Oil & Gas
Country: USA
State / Province: Colorado
County / Parish: Weld

API/UWI: 051233621000
Field: DJ Basin
Well: Liberty 2E-21H
Rig: Ensign 135

Personnel

Day Hand: Kenneth Wagoner
Night Hand: Brett Giannino

Location

Latitude: 40.215170
Longitude: -105.008780
Elev. GL: 5023
Elev. DF: 5036
Elev. KB: 5036

Hole Data

Size	From	To
12.25	90	909
8.75	909	7480

Casing Data

Size	From	To
9.625	0	909

Mud Data

Weight	From	To
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Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
232	41.3	0	1/12/2014 11:00:33 PM	5000	1/15/2014 5:00:33 PM	7122
232	41.9	0	1/15/2014 7:00:08 PM	7122	1/16/2014 5:30:08 PM	7480

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 GR_1(API) 150.00 TVD 0.00 ROP(FT/HR) 300.00
150.00 2 300.00 FT 300.00 2 600.00





















