



DDC
3222 North 6th Mile Road
Casper WY 82604

RM-141343

1":100' - TVD

1/2/2015 3:07:50 PM

Oper. Company: Noble Energy Inc

Country: USA

State / Province: Colorado

County / Parish: Weld

Started: 12/29/2014 06:00 PM

API/UWI: 05-123-39817

Field: Wattenburg

Well: Upchurch State LD02-77-1BHN

Rig: H&P 326

Ended: 01/02/2015 02:30 PM

Personnel

Day Hand: Bob Kubistek

Night Hand: Chris Myers

Comp. Emp: Bob Kubistek

Location

Latitude: 40° 46' 29.928 N

Longitude: 103° 50' 7.260 W

Elev. GL: 4742

Elev. DF: 30

Elev. KB: 4772

Hole Data

Size	From	To
13 3/4	0	1177
8 3/4	1177	6030
6 1/8	6030	9688

Casing Data

Size	From	To
9 5/8	0	1177
7	0	6030
4 1/2	0	9688

Bit Sizes

Size	From	To
13 3/4	0	1177
8 3/4	1177	6030
6 1/8	6030	9688

Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.5		37				0	9688

Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
205	37	0	12/29/2014 6:00:41 PM	1177	12/30/2015 6:30:41 PM	6030
205	36	0	1/1/2015 9:00:32 AM	6030	1/2/2015 2:30:32 PM	9688

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 COUNTS(mG) 150.00 TVD 0.00 ROP(FT/HR) 750.00
150.00 2 300.00 FT 750.00 2 1,500.00











