



DDC

RM-140796

1":100' - TVD

8/20/2014 4:51:18 AM

Oper. Company: Noble Energy Inc.
Country: USA
State / Province: Colorado
County / Parish: Weld
Started: 08/15/2014 09:30 AM

API/UWI: 05-123-38846
Field: Wattenberg
Well: Cutthroat LC28-78HNB
Rig: H&P 326
Ended: 08/20/2014 02:00 AM

Personnel

Day Hand: Bob Kubistek
Night Hand: Chris Abbott
Comp. Emp:

Location

Latitude: 40° 42' 53.964 N
Longitude: 103° 59' 15.036 W
Elev. GL: 4862
Elev. DF: 30
Elev. KB: 4892

Hole Data

Size	From	To
13 3/4	0	628
8 3/4	628	6594
6 1/8	6594	10424

Casing Data

Size	From	To
9 5/8	0	618
7	0	6584
4 1/2	0	10424

Bit Sizes

Size	From	To
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Mud Data

Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
LSND	10.2		40				0	10424

Tool Run Data

Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
424	37	0	8/15/2014 9:30:57 AM	628	8/16/2014 3:30:57 AM	5455
424	36	0	8/16/2014 1:00:44 PM	5455	8/17/2014 2:00:44 AM	6594
424	40	0	8/18/2014 7:30:24 AM	6594	8/20/2014 2:00:24 AM	10424

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.











