

Company: Noble Energy, Inc.
Well Name: Thistle Down PC F36-63HN
UWI or LSI: 05-123-5678
R/L/L: Precision 828

State: Colorado
County/Prefix: Weld
Country: USA

Survey Company: Ensign Directional
Job Number: 829-03

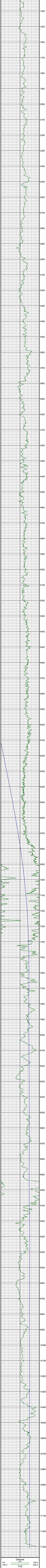
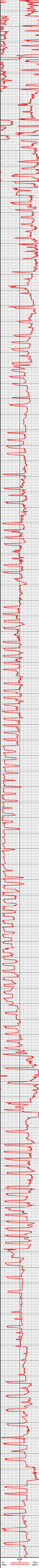
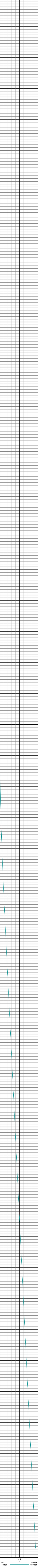
Company Man: Cliff Keeler
Directional Driver 1: Nick Brownwood
Directional Driver 2: Tanner Swartz
MWD 1: Matt Mason
MWD 2: Jeff Acilla

Log Measurements:
Depth measured from:
Maximum temperature:
Casing Depth Size

Depth Date
Start: 604 ft 2013-January-14
End: 11371 ft 2013-January-24
Mud Type: Elevation
Surf: 594

Intermediate: 7426 7
Viscosity: Rm: Rmc: GEL: 4770
DL: 4788

Run	Run Start	Gamma Survey	Start	Depths	End	Start	Dates	End
1	604	7426	604	7426	7426	01-20-2013	01-20-2013	7426
2	6125	7145	7436	11371	7436	01-20-2013	01-24-2013	7436
3								
4								
5								
6								
7								
8								
9								
10								



Ensign Directional uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.