Shable Federal LB33-78HN

TVD 1":100'

Ensign Directional

Company:	Noble Energy Inc
Well Name:	Shable Federal LB33-78HN
UWI or LSD:	05-123-36799
Rig Id:	Precision 828
State:	Colorado
County/Parish:	Weld
Country:	USA
Survey Company:	Ensign Directional
Job number:	828-08
Company Man 1	Cliff Kester
Directional Driller 1	Nick Brownwood
Directional Driller 2	Tanner Schwartz
MWD 1	Matt Mason
MWD 2	Joel Alcala

Log measurements:
Depth measured from: KB
Maximum temperature:

	Depth	Date
Start:	642 ft	03-30-2013
End:	10621 ft	04-12-2013

Casing	Depth	Size
Surface:	632	9.625
Intermediate:	5670	7

Mud Type:
Density:
Viscosity:
Rm: **Rmf:** **Rmc:**

Elevations
KB: 4956
GL: 4940
DF: 4956

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	8.75	54.11	49.11	642	5680	03-30-2013	04-01-2013
2	8.75	54.11	49.11	5680	6742	04-05-2013	04-08-2013
3	6.125	53.64	48.64	6742	10621	04-09-2013	04-12-2013
4							
5							
6							
7							
8							
9							
10							

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