



Directional

Sauer F33-78-1HN

TVD
1"-100'

Company: Noble Energy Inc.
Well Name: Sauer F33-78-1HN
UWI or LSD: 05-123-36635
Rig Id: Ensign 121
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: Ensign Energy Inc
Job number: 121-172
Company Rep 1 Noble Energy

DD1 Zach Gentry
DD2 Jamie Sheets
DD3 Brian Bednarek

LWD1 Andrew Derrrow

LWD2 Ryan Brue

Log measurements: Gamma
Depth measured from:
Maximum temperature:

Depth Date
Start: 516 ft 04-25-2013
End: 11122 ft 05-02-2013

Casing Depth Size Mud Type: Density: Viscosity: Elevations
Surface: 619 9 5/8 Rm: Rmt: Rmc: KB: 4684
Intermediate: 7241 7 Rm: Rmt: Rmc: GI: 4671

Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8 7/8	52.55	47.55	624	7256	04-25-2013	04-28-2013
2	6 1/2	60.31	55.31	7256	9945	04-29-2013	05-01-2013
3	6 1/2	60.58	55.58	9945	11122	05-01-2013	05-02-2013
4							
5							
6							
7							
8							
9							
10							

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