



Directional Services

Rohn State LD04-67-1HN

TVD
1"=100'

Company: Noble Energy Inc
Well Name: Rohn State LD04-67-1HN
UWI or LSD: 05-123-37480
Rig Id: Heinrich 273
State: Colorado
County/Parish: Weld
Country: USA
Survey Company: Ensign Directional
Job number: 207273-11
Directional Driller 1 Kody Wood
Directional Driller 2 Jamie Sheets
MWD 1 Tyler Teague
MWD 2 Bill Mercer

Log measurements: 500					Depth		Date
Depth measured from: KB					Start: 1277 ft		07/04/2013
Maximum temperature:					End: 9563 ft		07/09/2013
Casing	Depth	Size	Mud Type:		Elevations		
Surface:	1277	9.5/8	Density:		KB:	4731	
Intermediate:	5991	7	Viscosity:		GL:	4707	
			Rm:		DF:	4731	
			Rmt:		Rmc:		
Offsets		Depths		Dates			
Run	Bit Size	Gamma	Survey	Start	End	Start	End
1	8.75	53.30	48.30	1277	6001	07/04/2013	07/06/2013
2	6.125	55.43	50.43	6001	9563	07/07/2013	07/09/2013

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.

