

Company: Noble Energy Inc

Well Name: Rohn State LD04-65-1HN

UWI or LSI: 05-23-27-451

Rig Id: Helmerich 273

State: Colorado

County/Parish: Weld

Country: USA

Survey Company: Ensign Directional

Job number: 207-273-15

Directional Pillar 1: Kody Wood

Directional Pillar 2: Jamie Sheets

MWD 1: Tyler Tague

MWD 2: Johnnie Kibel

Log measurements: 500		Depth Date	
Depth measured from: KB		Start: 1204 ft	08/03/2013
Maximum temperature: 206.6		End: 9578 ft	08/08/2013

Casing		Mud Type:		Elevations	
Depth	Size	Density:	Viscosity:	KB: 4731	
Surface: 1194	9.625			DL: 4731	
Intermediate: 5978	7	Rm:	Rmc:	Orbits	

Run Bit Size		Gamma Survey		Start		End		Start		End	
1	6.75	58.37	53.37	1204	5388	08/03/2013	08/05/2013				
2	6.75	60.57	55.57	1204	5388	08/06/2013	08/08/2013				
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.

