

Company: Noble Energy Inc				Well Name: Rohn State L D04-66HN			
UWI or LSI: 05-23-37-483				Rig Id: Hammer 273			
State: Colorado				County/Parish: Weld			
Country: USA				Survey Company: Ensign Directional			
Job Number: 207-273-12				Directional Pillar 1: Roddy Wood			
Directional Pillar 2: Jamie Sheets				MWD 1: Tyler T. Reagin			
MWD 2: Bill Mercer							
Log measurements: 500				Depth Date			
Depth measured from: KB				Start: 1199 ft 07/11/2013			
Maximum temperature:				End: 9628 ft 7/16/2013			
Casing Depth Size				Mud Type:			
Surface: 1198 9 9/8				Viscosity:			
Intermediate: 6994 7				Rm:			
Offsets				Rmc:			
				DL: 4/21			
Run Bit Size		Gamma Survey		Start		End	
1 8 7/8		53.00		4831		07/11/2013	
2 8 7/8		58.00		4831		07/12/2013	
3 6 1/2		60.25		6086		07/14/2013	
4							
6							
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.

