

Company: PDC Energy Inc
Well Name: Thistle Down 31H-302
API:

County/Parish: WELD
State: COLORADO
Country: USA
Job Number: 152-178
Field: Waterberg

Rig Id: Ensign 152

Survey Company: Ensign Directional
DD1: Jesse Gallego
DD2: Dan Hansen
MWD: Ryan Pugh
MWD2: Paul Wilson

Log Measurements: Gamma, ROP				Depth		Date	
Depth measured from: 1690 ft				Start: 0 ft		12-16-2018	
Maximum temperature: 204.3				End: 12487 ft		12-19-2018	

Casing	Depth	Size	Mud Type	Viscosity	Temp	Rime	DF	Elevations
Surface:	1690 ft	9.5 in					4874 ft	
Intermediate:								

Run	Bit Size	Gamma	Survey	Depth	End	Start	Dass	End
1	8.5"			1690 ft	12487 ft	12-16-2018		12-19-2018
2		63.21 ft	57.22 ft					
3								
4								
5								
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.

