

<div>ENSIGN</div> <div>Drilling Services</div>		Harold 6X-234										TVD 2"-100'	
		Company: Petroleum Development Corp.											
		Well Name: Harold 6X-234											
		API: 051234567890											
County/Parish: Weld				State: Colorado				Country: United States					
Job number: 161-159				Field: Waterburg				Rig Id: Ensign 161					
Survey Company: Ensign				Operator: Petroleum Development Corp.									
Company Man: Bundy Sharp / John Fallon				Daylight DD: Zach Centry									
				Swing Shift DD: Tony Callow									
				Night DD: Eric Mayes									
				Daylight MWD: Ryan Price									
				Night MWD: Chad Jackson									
Log measurements: Gamma, ROP													
Depth measured from: 1651 ft													
Maximum temperature: 130.8													
Casing		Depth		Size		Mud Type: H2O		Start: 0 ft		Date: 1-18-2019			
Surface:		1651 ft		9.56'		Viscosity:		End: 11780 ft		Elevations			
Intermediate:						Rm:		Rmc:		KB: 23 ft			
										DL: 478 ft			
Run		Size		Gamma		Start		End		Dates			
1		61.57 ft		2830 ft		1-18-2019		1-20-2019					
2		8.5'		63.14 ft		58.21 ft		2580 ft		1-20-2019			
3		8.5'		62.84 ft		58.01 ft		5659 ft		1-21-2019			
4								11780 ft		1-21-2019			
5										1-22-2019			
6													
7													
8													
9													
10													

Ensign 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.

2500

TVD

0.0

300.0

Gamma

API

0.0

500.0

ROP

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