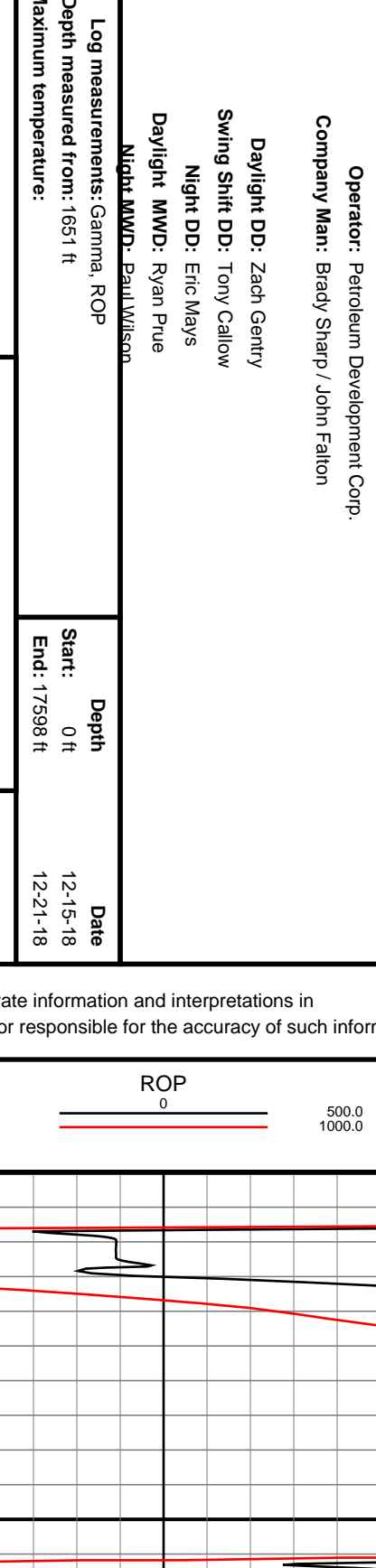


Company:	Petroleum Development Corp.
Well Name:	Harold 6X-232
API:	051234575600
County/Parish:	Ward
State:	Colorado
Country:	United States
Job number:	161-1-85
Field:	Willingburg
Ridg:	Ensign 161
Survey Company:	Ensign

Operator: Petroleum Development Corp. Company Man: Brad Sharp / John Fallon	
Daylight DD: Zach Carey	
Swim Shift DD: Tony Calkins	
Night DD: Eric Adams	
Daylight MWD: Ryan Paine	
Mud MWD: Paul Wilson	
Log measurements: Gamma, ROP	
Depth measured from: 1651 ft	
Maximum temperature:	
	Depth
	Start: 0 ft
	End: 17598 ft
	Date
	12-15-18
	12-21-18

State information and interpretations in \_\_\_\_\_  
or responsible for the accuracy of such information.

ROP	500.0
0	1000.0



Run	Bit Size	Gamma	Depth	Start	End
1	12-25"	702.00 ft	1651 ft	12-15-18	12-15-18
2	8-5"	65.00 ft	60.00 ft	12-16-18	12-15-18
3	8-5"	62.77 ft	57.94 ft	1477 ft	12-20-18
4					
5					
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.

