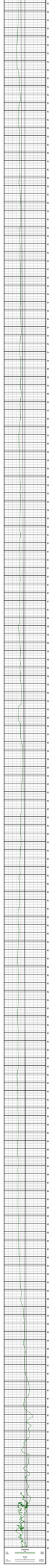

Thistle Down 31G-232

TVD
5":100'

ENSIGN

Company: PDC Energy Inc
Well Name: Thistle Down 31G-232
API: 05123456000
County/Parish: WELD
State: COLORADO
Country: USA
Job number: 152-181
Field: Wattenberg
Rig Id: Ensign 152
Survey Company: Ensign Directional
DD1 Jesus Gallego
DD2 Dan Hanson
DD3
MWD1 Ryan Prue
MWD2 Paul Wilson

Log measurements: Gamma, ROP
Depth measured from:
Maximum temperature:

	Depth	Date
Start:	0 ft	12-31-2018
End:	12328 ft	1-4-2019

Casing	**Depth**	**Size**
Surface:		9 5/8"
Intermediate:		

Mud Type: Water
Density: 10.5
Viscosity: 42
Rm: **Rmf:** **Rmc:**

Elevations
KB: 23 ft
GL: 4805 ft
DF: 4828 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	12.25"		60.24 ft	0 ft	2502 ft	12-31-2018	1-1-2019
2	8.5"	63.25 ft	58.25 ft	2502 ft	12328 ft	1-2-2019	1-4-2019
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4							
5							
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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.

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