

Company: Petroleum Development Corp.
Well Name: Spaur 10Y-241
API: 0523423200
County/Parish: WELD
State: CO,OR,AZCO
Country: USA
Job Number: 052321
Project Number: 052321
Rig ID: Ensign 152

Survey Company: Ensign Directional
DD1: James Gallepp
DD2: Dan Hansen
DD3: John Edgerton
MWDT: Drew Cross
MWDT2: Luke Aschone
MWDT3: Luke Aschone
MWDT4: Drew Cross

Log measurements Gamma RCP		Depth	Date
Maximum temperature:		Start: 0 ft	
		End:	ft

Surfing	Depth	Size	Mud Type	Value	Elevations
Intermediate:	1338 ft	9 3/8"	Viscosity:	Rft:	SL: 4634 ft GR: 4634 ft

Run	Bit Size	Gamma	Survey	Start	Depth	End	Start	Dates	End
1	13 3/8"	57.38 ft	0 ft	1338 ft	2-7-2016	2-8-2016			
2	8 5/8"	61.47 ft	1350 ft	1819 ft	2-10-2016	2-10-2016			
3	8 5/8"	61.45 ft	1350 ft	1819 ft	2-11-2016	2-11-2016			
4	8 5/8"	58.45 ft	1350 ft	1819 ft	2-11-2016	2-11-2016			
5	8 5/8"	58.45 ft	1350 ft	1819 ft	2-11-2016	2-11-2016			
6									
7									
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.

