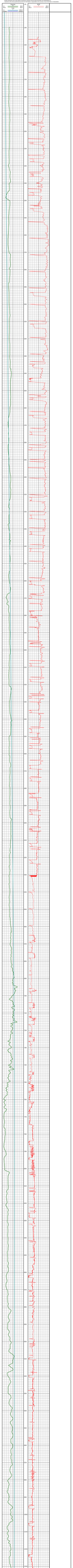

ENSIGN Directional

Spaur 10Q-401

MD
2":100’

Company: Petroleum Development Corp.
Well Name: Spaur 10Q-401
API: 05-123-4232300
County/Parish: WELD
State: COLORADO
Country: USA
Job number: 207-152-42
Field: DJ BASIN
Rig Id: Ensign 152
Survey Company: Ensign Directional
DD1 Jesus Gallegos
DD2 Dan Hanson
DD3 Joe Edgerton
MWD1 Matt Brokaw
MWD2 Kabel Skelton
MWD3 Tyler Teague
MWD4 Matt Mason

Log measurements: Gama, ROP
Depth measured from: RKB ft
Maximum temperature:

	Depth	Date
Start:	0 ft	3/30/2016
End:	11,572 ft	4/4/2016

Casing	Depth	Size
Surface:	1362 ft	9 5/8"
Intermediate:		

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

Elevations
KB: 4852 ft
GL: 4829 ft
DF: 4852 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	12.25"		55.49 ft	0 ft	1365 ft	3/30/2016	3/31/2016
2	8.5"	57.82 ft	55.32 ft	1365 ft	11,572 ft	4/1/2016	4/4/2016
3							
4							
5							
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.

10400
10500
10600
10700
10800
10900
11000
11100
11200
11300
11400
11500
Gamma
API
0.0
300.0
300.0
600.0
TVD
ft
0.0
12550.0
12550.0
25100.0
ROP
0
0.0
800.0
800.0
1600.0