



Formation	TVD (ft)	MD (ft)	Formation Fluid	Hole Section	Drilling Fluid	Casing	Cement
Mancos Shale	19	19		30" Hole from 0' to 60'	None	20" 0.5" WT	6 yds Ready Mix
Morapos SS	102	102	Fresh Water	17-1/2" hole from 60' to 500'	FW/Gel 8.4 to 8.6 ppg	13-3/8" 54.50 J-55 STC	Single Slurry: 410 sx 13.5 ppg Class G (TOC @ 0')
B/ Morapos SS	282	282		12-1/4" hole from 500' to 3916'	FW/Amine 8.4 to 9.0 ppg	9-5/8 36# J-55 STC	Lead: 670 sx 12.0 ppg Class G (TOC @ 0') Tail: 160 sx 13.5 ppg Class G (500' fill).
Surface Casing	500	500		8-3/4" hole from 3916' to 4900'	N2/FW/Amine Mist (+/- 1.0 ppge)	5-1/2 15.5# J-55 LTC	None
Buck Peak	2875	3277					
Niobrara	3289	3817	Oil				
Intermediate Casing	3365	3916					
TD	4119	4900					