

1. Geologic Formations

TVD of target	10,758'	Pilot hole depth	N/A
MD at TD:	15,401'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	838	Barren	
Salado	1,085	Barren	
Base of Salt	4,405	Barren	
Delaware	4,755	Oil	
Bone Spring	8,635	Oil	
1 st Bone Spring Lime	9,622	Oil	
2 nd Bone Spring Lime	10,007	Oil	
2 nd Bone Spring	10,282	Oil	
2 nd Bone Spring L Top	10,727	Oil	
2 nd Bone Spring L Base	10,815	Oil	
3 rd Bone Spring Lime	10,842	Oil	

*H₂S, water flows, loss of circulation, abnormal pressures, etc.

• Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn .	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	920'	13.375"	48	H-40	STC	1.83	4.11	12.25
12.25"	0	4,300'	9.625"	40	J-55	BTC	1.15	1.56	2.45
12.25"	4,300'	4,600'	9.625"	40	HCK-55	BTC	1.60	3.60	5.72
8.75"	0	15,401'	5.5"	17	P-110	BTC	1.91	1.22	2.43
7" x 5.5" Tapered String Option									
8.75"	0	10,243'	7"	29	P-110	BTC	2.20	1.29	3.01
8.75"	10,243'	15,401'	5.5"	17	P-110	BTC	1.77	1.26	3.11