

## CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per foot	New or Second Hand	Depth	Sacks Cement
17-1/2"	13-3/8"	48	New	350'	400* (Circulate Cement)
12-1/4"	9-5/8"	36 & 40	New	4800'	1700**
8-5/8"	2-7/8"	6.4	New	10,300'	2400***
	2-7/8"	6.4	New	10,300'	
	2-7/8"	6.4	New	10,300'	

\* 400 Sacks Class "C" Neat with accelerator.

\*\* 1500 Sacks Class "C" 8% gel, plus 200 Sacks Class "C" Neat

\*\*\* Set three strings at total depth. Externally clean casing & install centralizers over prospective pays. Cement with 600 Sacks Class "C" 2% gel, with friction reducing agent, followed by 1200 Sacks Class "C" 8% gel, followed by 600 Sacks Class "C" Neat. Displace cement with acetic acid.

### FORMATION TOPS EXPECTED

Anhydrite	1550'
Seven Rivers	3050'
San Andres	4500'
Glorieta	5930'
Abo	7945'
Wolfcamp	9315'
L. Wolfcamp	9860'
Pennsylvanian	10,085'
Total Depth	10,300'