

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
20"	16"	65#	New	100	*1200 sx. (2010 cu. ft.)
17½"	13 3/8"	48# & 54.5#	New	1600	
12¼"	11 3/4"	47#	New		**1700 (3521 cu. ft.)
	9 5/8"	36# & 40#	New	4825	
8 3/4"	4½"	11.6#	New	11950	***2300
	2 7/8"	6.4#	New	10800	
	2 7/8"	6.4#	New	10000	

* 850 sks. Incor, 4% gel / 350 sks. Class "A" Neat.

** 1500 sks. Incor, 8% gel / 200 sks. Class "A" Neat.

*** Stage tool at approx. 10,800.

1st stage w/400 sks. of 1:1 Incor-Pozmix Mixture (468 cu. ft.)

2nd stage w/1900 sks. of 1:1 Incor-Pozmix Mixture (2225 cu. ft.)

FORMATION TOPS EXPECTED

Glorieta	5,835'
Blaine	6,300'
Tubb	7,224'
Abo	7,855'
Wolfcamp (xx)	9,280'
Bursum	9,727'
Penn.	10,162'
Atoka	10,692'
Lower Miss.	11,117'
Woodford	11,725'
Devonian	11,865'