

# CASING PROGRAM

WELL OFFICE 000

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

1003 JUL 11 AM 8 55

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
12 1/4"	9 5/8"	19.37	New	1410'	750*
8 3/4"	2 7/8"	6.4	New	4000'	1700**
8 3/4"	2 7/8"	6.4	New	6200'	
8 3/4"	2 7/8"	6.4	New	6200'	

\*550 sx. Class "C" 4% gel + 200 sx. Class "C" neat.

\*\*Externally clean casing from 3500' to 6200' & install centralizers on each joint of each string throughout each pay. Bull plug Penrose (X) string. Cement down (Y) & (Z) strings with 500 sx. Class "C" 4% gel containing friction reducing agent followed by 1200 sx. Class "C" 4% gel without friction reducing agent. Displace with acetic acid followed by water. Cement should reach base of salt.

## FORMATION TOPS EXPECTED

Top of Anhydrite	1355'
Top of Salt	1470'
Base of Salt	2520'
Top of Yates	2675'
Top of Penrose	3627'
Top of Grayburg	3750'
Top of Glorieta	5265'
Top of Blinberry (Mkr.)	5815'
Total Depth	6200'