

Attachment (Form 9-331a - Lamson No. 8)

It is planned to drill the above well with rotary tools to an approximate depth of 9450 feet through the makee sand members of the Simpson formation. Surface formation is caliche and sand. The most probable casing program, which will be used in the event that seven inch O.D. casing is set on top of the makee sand, is as follows:

<u>Location in String</u>	<u>Size</u>	<u>Description</u>
<u>Production</u>		
0' - 1300'	7" OD	23½, A. O. Smith HiYield
1300' - 5200'	7" OD	23½, J-55, long thread & coupling, S.S.
5200' - 9275'	7" OD	23½, A. O. Smith HiYield
<u>Intermediate</u>		
0' - 2900'	9-5/8" OD	36½, H-40, S.S.
<u>Surface</u>		
0' - 300'	13-3/8" OD	48½, H-40, S.S.

The surface casing will be cemented with 300 sacks and the cement circulated to the cellar. The intermediate casing will be cemented with 1300 sacks of cement. The production casing will be cemented with 700 sacks.

An alternate production casing program which will be run in the event that a later decision is made to set pipe through the makee sand and then perforate the casing is as follows:

<u>Location in String</u>	<u>Size</u>	<u>Description</u>
0' - 35'	7" OD	29½, H-80, long thread & coupling csg.
35' - 1500'	7" OD	23½, H-80, long thread & coupling csg.
1500' - 5150'	7" OD	23½, J-55, long thread & coupling csg.
5150' - 7300'	7" OD	23½, H-80, long thread & coupling csg.
7300' - 9200'	7" OD	26½, H-80, long thread & coupling csg.
9200' - 9450'	7" OD	29½, H-80, long thread & coupling csg.

Estimated depths at which important markers will be encountered are as follows:

Mustler Anhydrite	1000'
Base Salt	2350'
Yates	2530'
Queen	3250'
Grayburg	3500'
San Andres	3775'
Glorietta	4900'

