

**DRILLING PROGRAM**

30.005.64071



**1. Geologic Name of Surface Formation**

San Andres

**2. Estimated Tops of Important Geologic Markers:**

Glorieta	2565'
Tubb	3575'
Abo Shale	3925'
Wolfcamp	4750'
Wolfcamp Shale	4925'

**3. Estimated Depths of Anticipated Fresh Water, Oil and Gas**

Water Sand	95'	Fresh Water
Wolfcamp	4750'	Oil/Gas

No other formations are expected to yield oil, gas or fresh water in measurable quantities. Setting 8-5/8" casing to 1400' and circulating cement to surface will protect the fresh water sand. There is no salt section in the area. The 5-1/2" casing production string will be planned to circulate back to surface and at a minimum, tie back to the surface casing.

**4. Casing Program**

Hole Size	Interval	OD Casing	Weight	Grade	Jt., Condition	Jt.	burst/collapse/tension
11"	0-1400'	8 5/8"	24#	J-55	New	ST&C	1.5/1.85/6.8
7 7/8"	1400'-TD	5 1/2"	17#	N-80	New	LT&C	1.4/2.6/2.27

**5. Cement Program**

8 5/8" Surface Casing: 600 sx "C", yield 1.32, circulate

5 1/2" Production Casing: 1200 sx "C" Acid-Soluble, yield 2.62, circulate or tie back to surface casing