

EXHIBIT "A"
HAWK B-1 #19

DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

II. Estimated Tops of Geological Markers:

<u>FORMATION</u>	<u>DEPTH</u>
Quaternary alluvials	Surface
Rustler	1280'
Yates	2600'
Grayburg	3800'
San Andres	4000'
TD	4200'

III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

<u>SUBSTANCE</u>	<u>DEPTH</u>
Oil	Grayburg at 3800' San Andres at 4000'
Gas	None anticipated
Fresh Water	None anticipated

All fresh water and prospectively valuable minerals (as described by BLM) encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows within zones of correlative rights will be tested to determine commercial potential.

IV. A. Proposed Casing Program:

<u>HOLE SIZE</u>	<u>CASING SIZE</u>		<u>GRADE</u>	<u>WEIGHT PER FOOT</u>	<u>DEPTH</u>	<u>SACKS CEMENT</u>	<u>ESTIMATED TOC - REMARKS</u>
	<u>OD</u>	<u>ID</u>					
12 1/4"	8 5/8"	8.097	J55 STC	24#	400'	350	TOC - Surface Float Collar set @ 358/ 9.00 PPG Water-based Mud; 83 Deg. F Est. Static Temp; 80 Deg. F Est. Circ. Temp.
7 7/8"	5 1/2"	4.892	J55 STC	17#	4,200'	760	TOC - Surface Float Collar set @ 4120/ 9.00 PPG Water-based Mud; 108 Deg. F Est. Static Temp; 99 Deg. F Est. Circ. Temp.