

DRILLING PROGRAM

Attached to Form 3160-3
Chevron U.S.A. Inc.
Spear Federal #1
2310' FNL & 2308' FWL
Section 33, T18S, R32E
Lea County, New Mexico

1. Geological Name of Surface Formation:

Aeolian

2. Estimated Tops Of Important Geological Markers:

Rustler	1215'	Grayburg	4345'
Top of Salt	1345'	San Andres	4875'
Base of Salt	2635'	Delaware	5245'
Yates	2925'	Bone Spring	7065'
Seven Rivers	3415'	Wolfcamp	10,285'
Queen	3855'	Strawn	11,465'
Penrose	4100'	TD	12,200'

3. Protection of Zones:

The fresh water sands will be protected by setting 13-3/8" casing at 450' and circulating cement to surface. The salt section will be protected by setting 8-5/8" casing to 3200' and circulating cement to surface. The oil and gas zones will be isolated from other formations by setting 5-1/2" casing at TD and circulating cement to 200' above intermediate 8-5/8" casing shoe.

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>Csg OD</u>	<u>Weight, Grade, Type</u>
17"	0-450'	13-3/8"	54.5#, J-55, ST&C
12-1/4"	0-3200'	8-5/8"	28#, 32#, K-55, ST&C
7-7/8"	0-TD	5-1/2"	17#, K-55, LT&C

A kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.