

DRILLING PROGRAM

Attached to Form 3160-3
Mitchell Energy Corporation
Cochise "1" Federal No. 4
2310' FSL & 990' FWL
NW/SW Sec 1, T-19-S, R-32-E
Lea Co., N.M.

1. Geologic Name of Surface Formation:

Permian

2. Estimated Tops of Important Geologic Markers:

Permian	Surface
Base Salt	2850'
Yates	3180'
Total Depth	3850'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas:

Upper Permian Sands	100'	fresh water
Yates Sandstone	3430'	oil

No other formations are expected to give up oil, gas, or fresh water in measurable quantities. The surface fresh water sands will be protected by setting 8-5/8" csg at 600' and circulating cement back to surface. Any shallower zones above TD which contain commercial quantities of oil and/or gas will have cement circulated across them behind the 4-1/2" csg.

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD csg</u>	<u>Weight, Grade, Jt. Cond. Type</u>
12-1/4"	surf -600'	8-5/8"	24#, K-55, ST&C, New, R-3
7-7/8"	surf -TD'	4-1/2"	11.6#, K-55, ST&C, New, R-3

Cement Program:

8-5/8" Surface
casing:

Cemented to surface with 400 sacks of
Class "C" + 2% CaCl₂ + 1/4 #/sack
Flocele.

4-1/2" Production
casing:

Cemented to surface with 1150 sacks Class
"C" + 5#/sack salt + 1/4#/sack Flocele.