DRILLING PROGRAM

Attached to Form 3160-3 Mitchell Energy Corporation Apache "13" Federal No. 5 660' FSL & 330' FEL SE/SE, Sec. 13, T22S, R30E Eddy Co., N.M.

1. <u>Geologic Name of Surface Formation</u>:

Permian

2. <u>Estimated Tops of Important Geologic Markers</u>:

| Permian | Surface |
|--------------|----------------|
| Base of Salt | 3640′ |
| Delaware | 3895′ |
| Bone Spring | 7760 <i>'</i> |
| Total Depth | 7 860 ′ |

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

| Upper Permian Sands | 100′ | Fresh Water |
|--------------------------|-------|-------------|
| Delaware | 3895′ | 0i1 |
| Delaware (Brushy Canyon) | 73651 | 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 13-3/8" casing at 500' and circulating cement back to surface. The potash will be protected by setting 8-5/8" casing at 3845' and circulating cement back to surface. The 5-1/2" production casing to be run at TD will be cemented back 500' into the 8-5/8" casing (TOC at 3400') in order to cover all productive zones in the Delaware.

4. <u>Casing Program</u>:

| <u>Hole Size</u> | <u>Interval</u> | <u>OD csg</u> | <u>Weight, Grade, Jt, Cond, Type</u> |
|------------------|-----------------|---------------|--------------------------------------|
| 17-1/2" | 0-500' | 13-3/8" | 54.5#, K-55, ST&C, New, R-3 |
| 12-1/4" | 0-3845' | 8-5/8" | 32#, K-55, LT&C, New, R-3 |
| 7-7/8" | 0-TD | 5,1/2" | 17#, K-55, ST&C, New, R-3 |

Cement Program:

13-3/8" Surface Casing @ 500':

Cemented to surface with 525 sx of Class "C" + 2% $CaCl_2$ + 1/4 #/sx Flocele.