Attached to For 160-3 Mack Energy Co. poration GC Federal #4 1775 FSL & 2310 FWL NE/4 SW/4, Sec 19 T17S R32E Lea County, NM

DRILLING PROGRAM

1. Geologic Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geologic Markers:

| Quaternary | Surface |
|--------------|---------|
| Top of Salt | 800' |
| Base of Salt | 1800' |
| Yates | 2080' |
| Queen | 3010' |
| San Andres | 3800' |
| Glorietta | 5250' |

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

| Water Sand | 150' | Fresh Water |
|------------|-------|-------------|
| Grayburg | 3500' | Oil/Gas |
| San Andres | 3800' | Oil/Gas |
| Paddock | 5330' | Oil/Gas |
| | | |

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 13 3/8" casing to 650' and circulating cement back to surface will protect the surface fresh water sand. Salt Section will be protected by setting 8 5/8" casing to 2100' 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 by cementing 5 1/2" production casing, which will be run at TD.

4. Casing Program:

| Hole Size | Interval | OD Casing | Weight, Grade, Jt, Cond., Type |
|-----------|----------|-----------|--------------------------------|
| 17 ½" | 0-650' | 13 3/8" | 48#, J-55, ST&C, New, R-3 |
| 12 ¼" | 0-2100' | 8 5/8" | 24#, J-55, ST&C, New, R-3 |
| 7 7/8" | 0-TD | 5 1/2" | 17#, J-55, LT&C, New, R-3 |

Drilling Program Page 1