

5. LEASE DESIGNATION AND SERIAL NO.

11

### Multiple Zone

013925

**(505) 885-4596**

2337' FSL and 1546' FWL (NE/SW) Unit K

2337' FSL and 1546' FWL (NE/SW) Unit K

55 miles east of Bloomfield, New Mexico

OF A

(Also to nearest drg. unit line, if any)

PROPOSED DEPTH

OR APPLIED FOR, ON THIS LEASE, FT.

08/17/98

**PROPOSED CASING AND CEMENTING PROGRAM**

R- 8774 (NSP)  
HOLD C-104 FOR NST (E)

## **DRILLING PROGRAM**

Attached to Form 3160-3

Mallon Oil Company

**Jicarilla 458-6 No. 5**

2337' FSL and 1546' FWL (NE/SW) Unit K

Sec. 6, T30N-R3W

Rio Arriba County, New Mexico

**LEASE NUMBER: JIC458**

**1. Geologic name of surface formation:** San Jose

**2. Estimated tops of important geologic markers:**

|                 |         |
|-----------------|---------|
| San Jose        | Surface |
| Ojo Alamo       | 3230'   |
| Kirtland        | 3458'   |
| Fruitland       | 3478'   |
| Pictured Cliffs | 3468'   |
| Lower P.C.      | 4017'   |
| Total Depth     | 4500'   |

**3. Estimated depths of anticipated fresh water, oil, or gas:**

|                 |       |             |
|-----------------|-------|-------------|
| San Jose        | 50'   | Fresh water |
| Ojo Alamo       | 3230' | Gas         |
| Fruitland       | 3478' | Gas         |
| Pictured Cliffs | 3768' | Gas         |

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" casing at 500' and circulating cement back to surface.

**4. Proposed casing program:**

| <u>Hole Size</u> | <u>Interval</u> | <u>Casing OD</u> | <u>Casing weight, grade, thread</u> |
|------------------|-----------------|------------------|-------------------------------------|
| 12-1/4"          | 0-500'          | 8-5/8"           | 24 lb/ft, K55, ST&C                 |
| 7-7/8"           | 0-4500'         | 5-1/2"           | 15.5 lb/ft, K55, LT&C               |

**Cement program:**

8-5/8" surface casing: Cemented to surface with 350 sks Class B containing 2% CaCl<sub>2</sub>, 0.25 lb/sk Cello Seal, slurry to be mixed at 15.6 lb/gal, yield 1.18 cu ft/sk. Circulate cement to surface.

5-1/2" production casing: Lead slurry 300 sks 65/35 mixed at 13.4 lb/gal, 1.62 cu ft/sk, 30% excess. Tail with 270 sks 50/50 POZ, containing 1/4 lb/sk Cello Seal mixed at 14.15 lb/gal, 1.26 cu ft/sk, 30% excess.

☐ AMENDED REPORT

**Certificate Number**

MALLON OIL COMPANY

JICARILLA 458-6 No.5

SW/4 SECTION 6, T-30-N, R-3-W, N.M.P.M.

RIO ARRIBA COUNTY, NEW MEXICO

2337' FSL

1546' FWL

