

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

|  |                           |   |                 |
|--|---------------------------|---|-----------------|
| 1. TYPE OF WELL<br>GAS   |                           | 5. LEASE NUMBER<br>SF-077107A                       |                 |
| 2. OPERATOR<br>MERIDIAN OIL INC.   |                           | 6. IF INDIAN, ALL. OR TRIBE NAME                    |                 |
| 3. ADDRESS & PHONE NO. OF OPERATOR<br>P O BOX 4289<br>FARMINGTON, NM 87499 |                           | 7. UNIT AGREEMENT NAME                              |                 |
| 4. LOCATION OF WELL<br>580'S 2205'W  |                           | 8. FARM OR LEASE NAME<br>LACKEY B                   |                 |
|  |                           | 9. WELL NO.<br>710                                  |                 |
|  |                           | 10. FIELD, POOL, OR WILDCAT<br>BASIN FRUITLAND COAL |                 |
|  |                           | 11. SEC. T. R. M OR BLK.<br>SEC. 27 T28N R09W NMPM  |                 |
| 14. PERMIT NO.   | 15. ELEVATIONS<br>6198'GL | 12. COUNTY<br>SAN JUAN                              | 13. STATE<br>NM |
| 16. NOTICE OF INTENTION TO: Change Plans                                   |                           |   |                 |
| 17. Describe proposed or completed operations                              |                           |   |                 |

Attached is a revised operations plan, BOPE diagram and anticipated production facilities diagram on the subject well.

**RECEIVED**

MAR 19 1990

OIL CON. DIV.  
DIST. 3

18. AUTHORIZED BY: ADZ  
REGULATORY AFFAIRS

9/9/89  
DATE

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-5.

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(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITION OF APPROVAL, IF ANY:

|  |
|--|
| <b>APPROVED</b>                          |
| MAR 16 1990                              |
| DATE <u>PSH</u>                          |
| AREA MANAGER<br>FARMINGTON RESOURCE AREA |

RECEIVED  
MAR 18 1966  
OIL CONT. DIV.  
DET. 3

Well Name: 710 LACKEY B 580'S 2205'W  
Sec. 27 T28N R09W SAN JUAN NEW MEXICO  
BASIN FRUITLAND COAL Elevation 6198'GL

Formation tops: Surface- NACIMIENTO  
Ojo Alamo- 1242  
Kirtland- 1509  
Fruitland- 2149  
Fruitland Coal Top- 2251  
Fruitland Coal Base- 2353  
Total Depth- 2355  
Pictured Cliffs- 2359

Logging Program: Mud logs from 2149 to total depth.

| Mud Program: | Interval   | Type          | Weight    | Visc. | Fl. Loss   |
|--------------|------------|---------------|-----------|-------|------------|
|              | 0 - 200    | Spud          | 8.4 - 8.9 | 40-50 | no control |
|              | 200 - 2355 | Non-dispersed | 8.4 - 9.5 | 30-60 | no control |

| Casing Program: | Hole Size | Depth Interval | Csg. Size | Weight | Grade |
|-----------------|-----------|----------------|-----------|--------|-------|
|                 | 12 1/4"   | 0 - 200        | 8 5/8"    | 24.0#  | K-40  |
|                 | 7 7/8"    | 0 - 2355       | 5 1/2"    | 15.5#  | K-55  |
| Tubing Program: |           | 0 - 2355       | 2 3/8"    | 4.7#   | J-55  |

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

Three centralizers run every other joint above shoe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembl

#### Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 139 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 386 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

## BOP and Tests:

Surface to TD - 11" 2000 psi(minimum) double gate BOP stack

From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. A kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

## Addition Information:

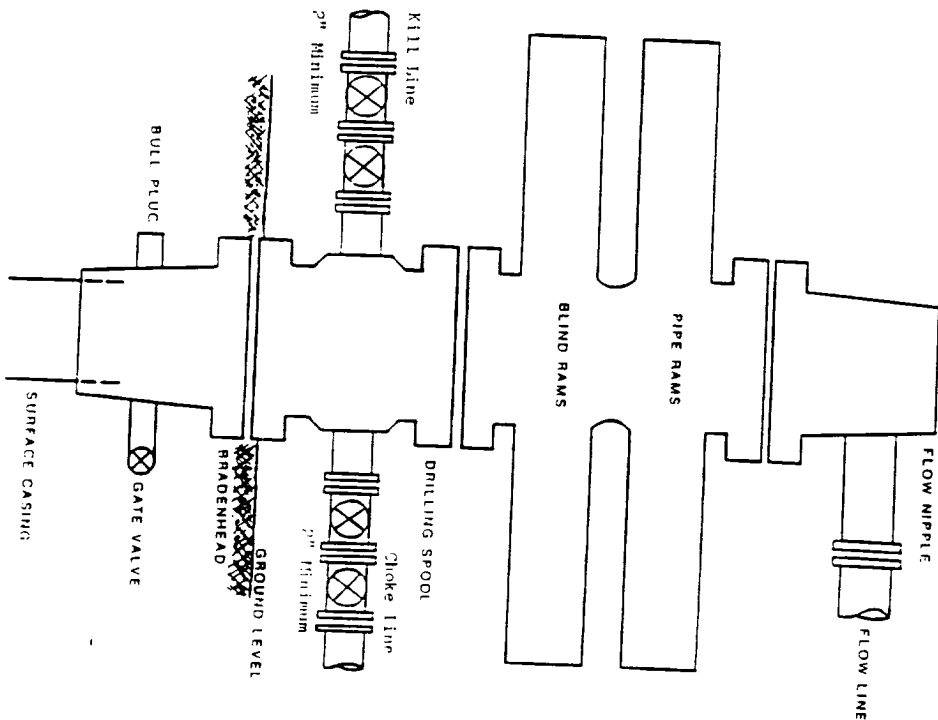
The Fruitland coal formation will be completed.

This gas is dedicated.

The W/2 of Section 27 is dedicated to this well.

LONG STRING FOOTLAND COAL

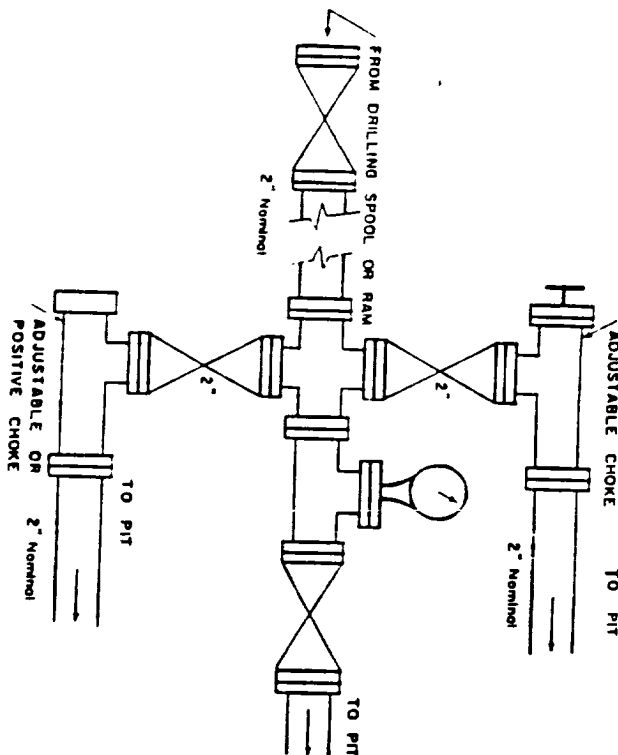
FIGURE #1



Minimum ROPE installation for a typical Fruitland Coal well from surface to Total Depth. 11", 2000 psi working pressure double gate ROPE equipped with blind and pipe rams.

LONG STRING FOOTLAND COAL

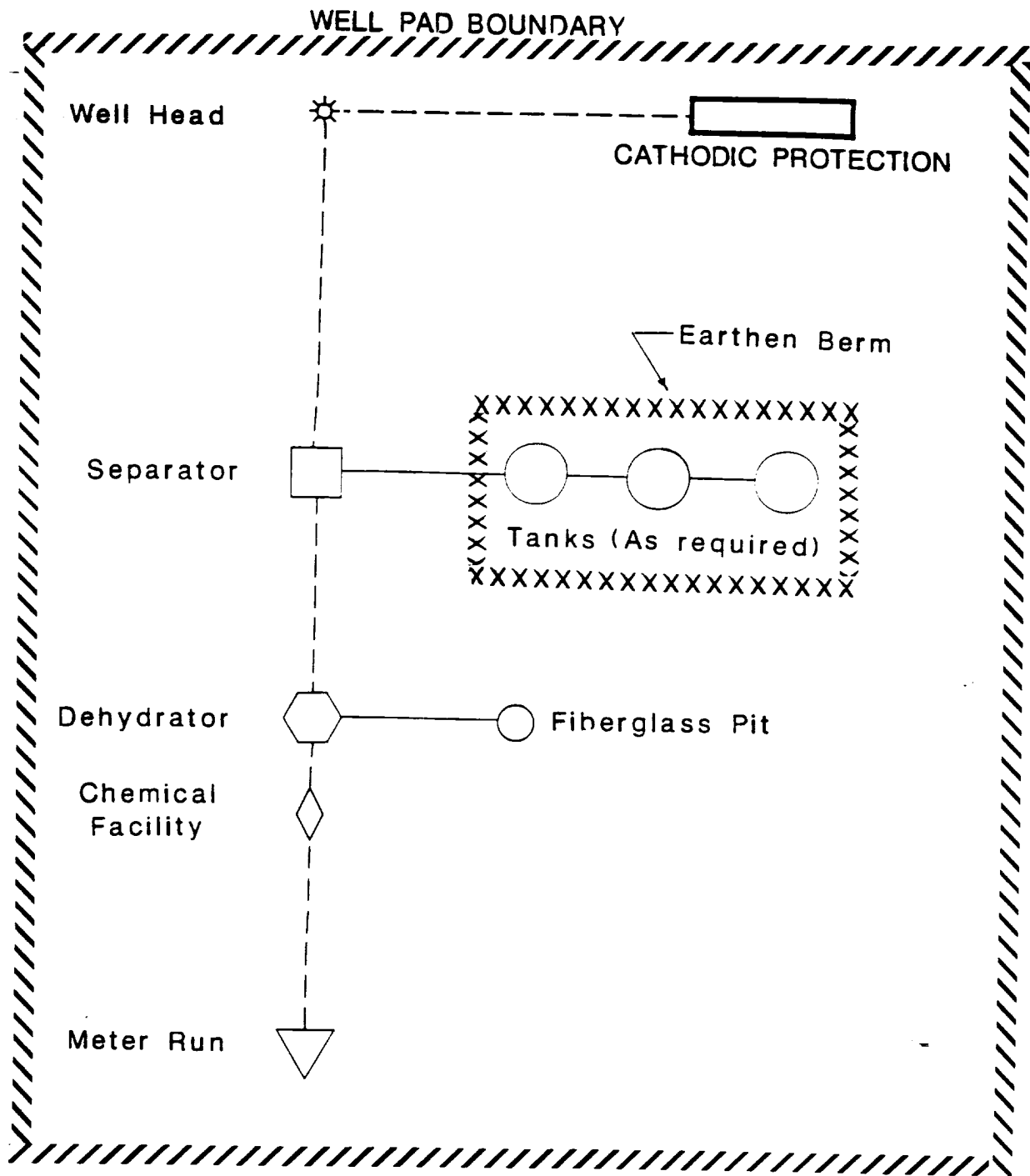
FIGURE #3



Minimum choke manifold configuration for a typical Fruitland Coal well from surface to TD. 2", 2000 psi working pressure equipment with two chokes.

LONG STRING FCCU ROPE

UP04240 9/8/81



**MERIDIAN OIL**

ANTICIPATED  
PRODUCTION FACILITIES  
FOR A  
FRUITLAND WELL

J. Falconi

4/28/89