

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

1. TYPE OF WELL GAS	5. LEASE NUMBER NM-011393
2. OPERATOR MERIDIAN OIL INC.	6. IF INDIAN, ALL. OR TRIBE NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL 790'N 1485'E	8. FARM OR LEASE NAME CLEVELAND
	9. WELL NO. 221
	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 17 T27N R09W NMPM
14. PERMIT NO.	15. ELEVATIONS 6312'GL
	12. COUNTY SAN JUAN
	13. STATE 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 23 1990

OIL CON. DIV
DIST. 3

18. AUTHORIZED BY:

Bo Zee
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:

APPROVED
MAR 23 1990 Kan Townsend DATE
FOR THE DIRECTOR FARM & FOREST AREA

Well Name: 221 CLEVELAND 790'N 1485'E
Sec. 17 T27N R09W SAN JUAN NEW MEXICO
BASIN FRUITLAND COAL Elevation 6312'GL

Formation tops: Surface- NACIMIENTO
Ojo Alamo- 1274
Kirtland- 1468
Fruitland- 1969
Fruitland Coal Top- 2150
Fruitland Coal Base- 2248
Total Depth- 2249
Pictured Cliffs- 2251

Logging Program: Mud logs from 1969 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2249	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 - 2249	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2249	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 assembly

Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# flocculent/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 114 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. 338 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:

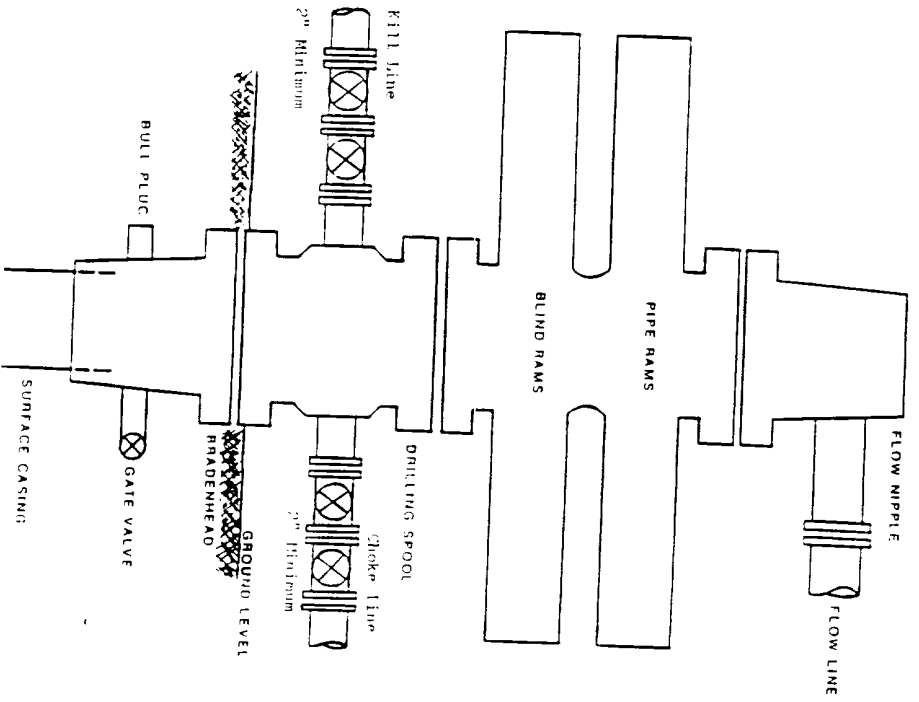
The Fruitland coal formation will be completed.

This gas is dedicated.

The E/2 of Section 17 is dedicated to this well.

LONG STRING FRUITLAND COAL

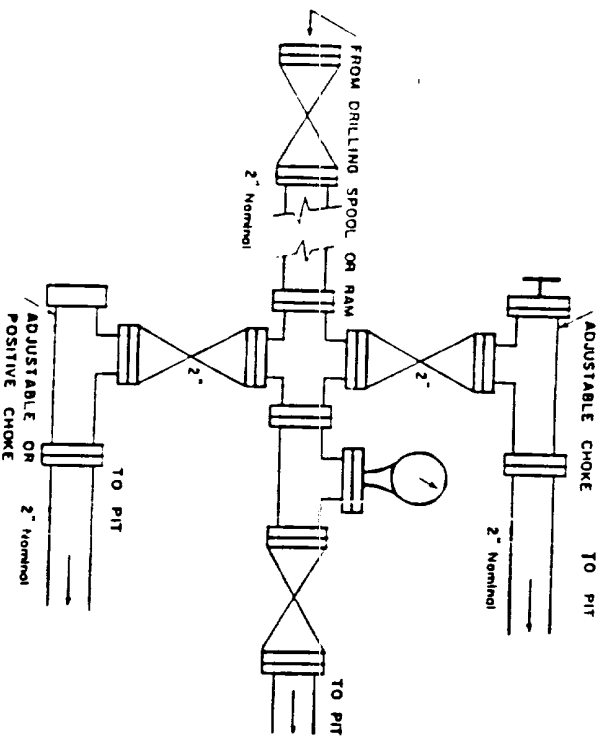
FIGURE #1



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

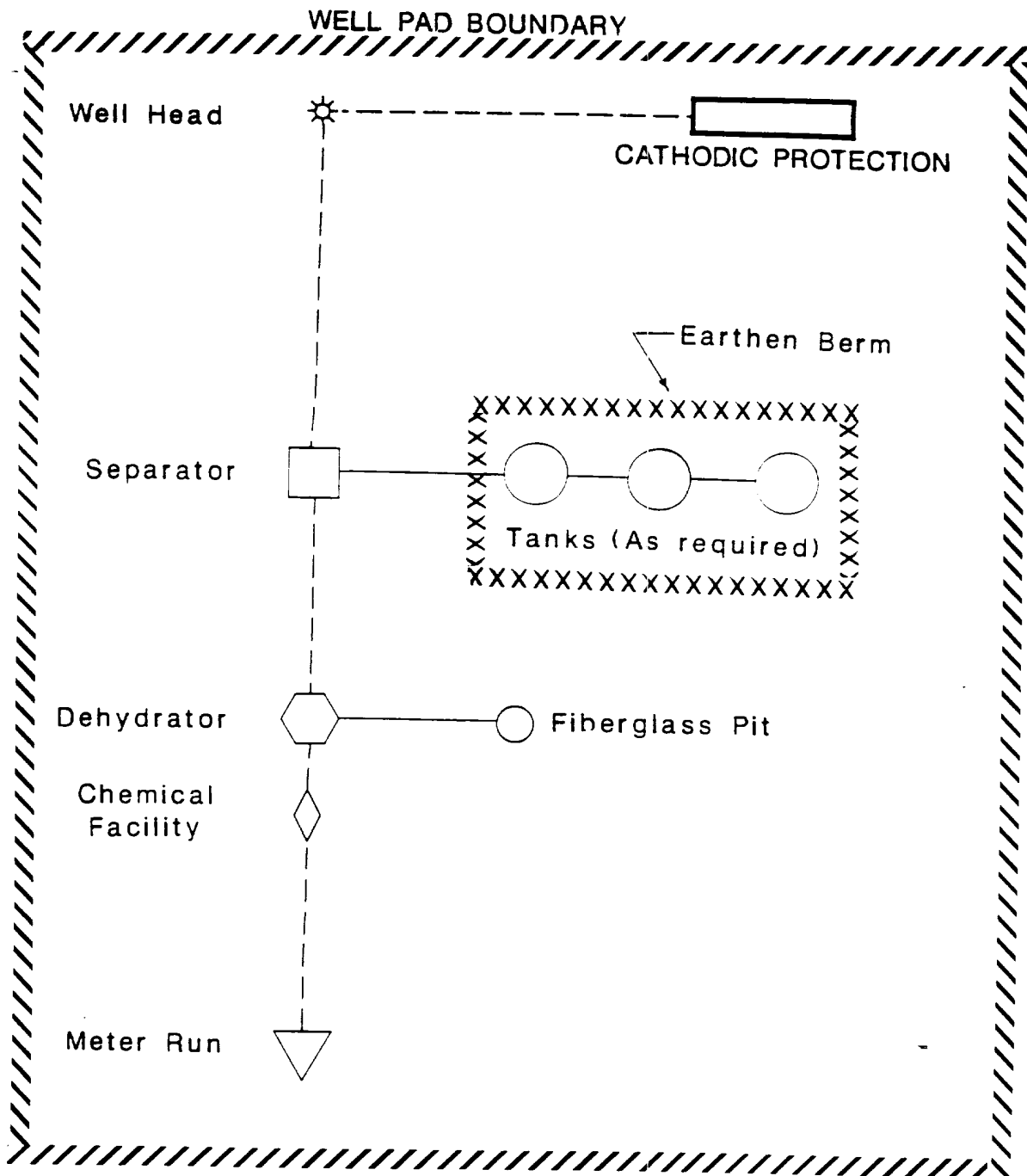
LONG STRING FRUITLAND COAL

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
UPDATING 9/8/87



MERIDIAN OIL

ANTICIPATED
PRODUCTION FACILITIES
FOR A
FRUITLAND WELL

J. Falconi

4/28/89