

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

1. TYPE OF WELL GAS	5. LEASE NUMBER SF-078487
2. OPERATOR SOUTHLAND ROYALTY CO.	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 1660'N 1150'E	8. FARM OR LEASE NAME HILL
	9. WELL NO. 210
	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. SEC. 4 T29N R08W NMPM
14. PERMIT NO.	15. ELEVATIONS 6399'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.

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MAR 26 1990

18. AUTHORIZED BY:

[Signature]
REGULATORY AFFAIRS

OIL CON. DIV
DIST

9/9/89
DATE

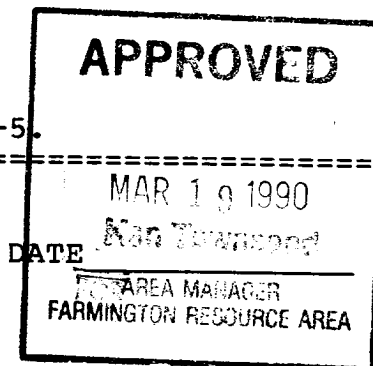
NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-5.

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(This space for Federal or State office use)

APPROVED BY _____
CONDITION OF APPROVAL, IF ANY:

TITLE _____



10-10-68

Well Name: 210 HILL
 Sec. 4 T29N R08W
 BASIN FRUITLAND COAL

1660'N 1150'E
 SAN JUAN NEW MEXICO
 Elevation 6399'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 1985
 Kirtland- 2150
 Fruitland- 2770
 Fruitland Coal Top- 2905
 Fruitland Coal Base- 3070
 Total Depth- 3070
 Pictured Cliffs- 3073

Logging Program: Mud logs from 2770 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3070	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 - 3070	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3070	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 134 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. 376 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.

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 INST. 3

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.

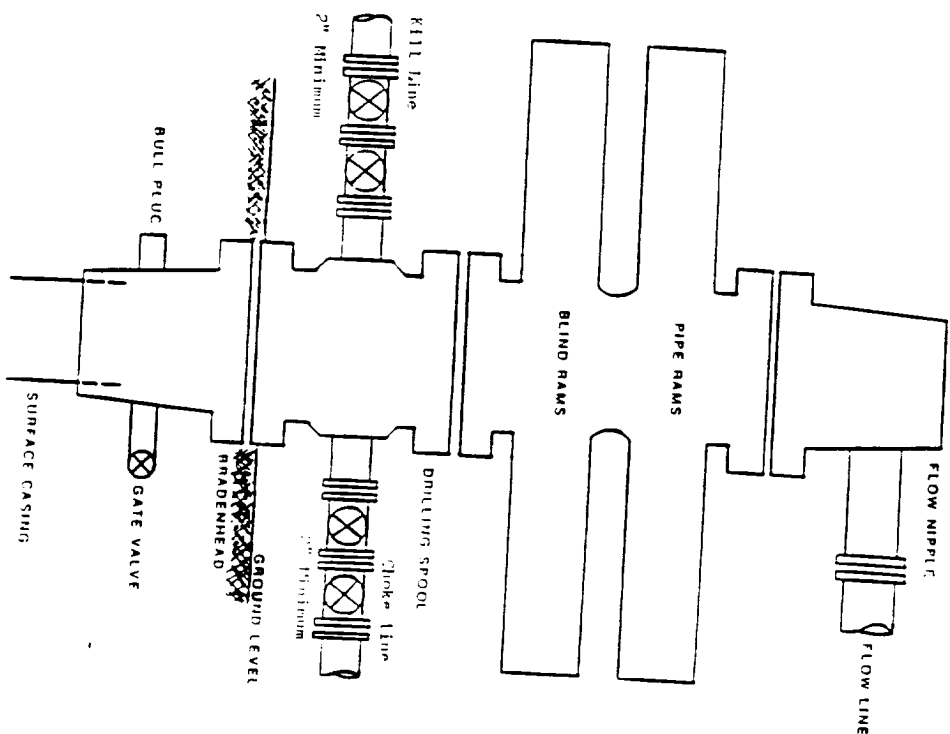
This gas is dedicated.

The E/2 of Section 4 is dedicated to this well.

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CITY OF
DENVER

LONG STRING FRUITLAND COAL

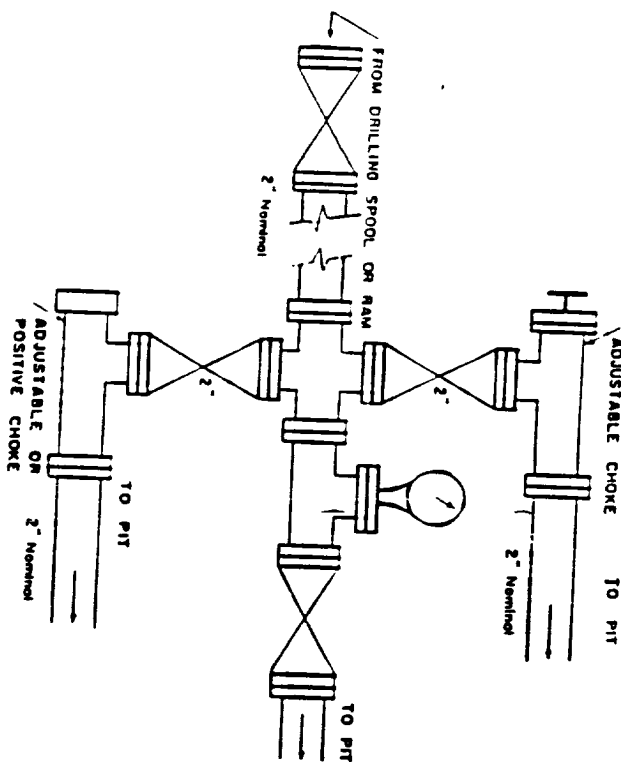
FIGURE #1



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

LONG STRING FRUITLAND COAL

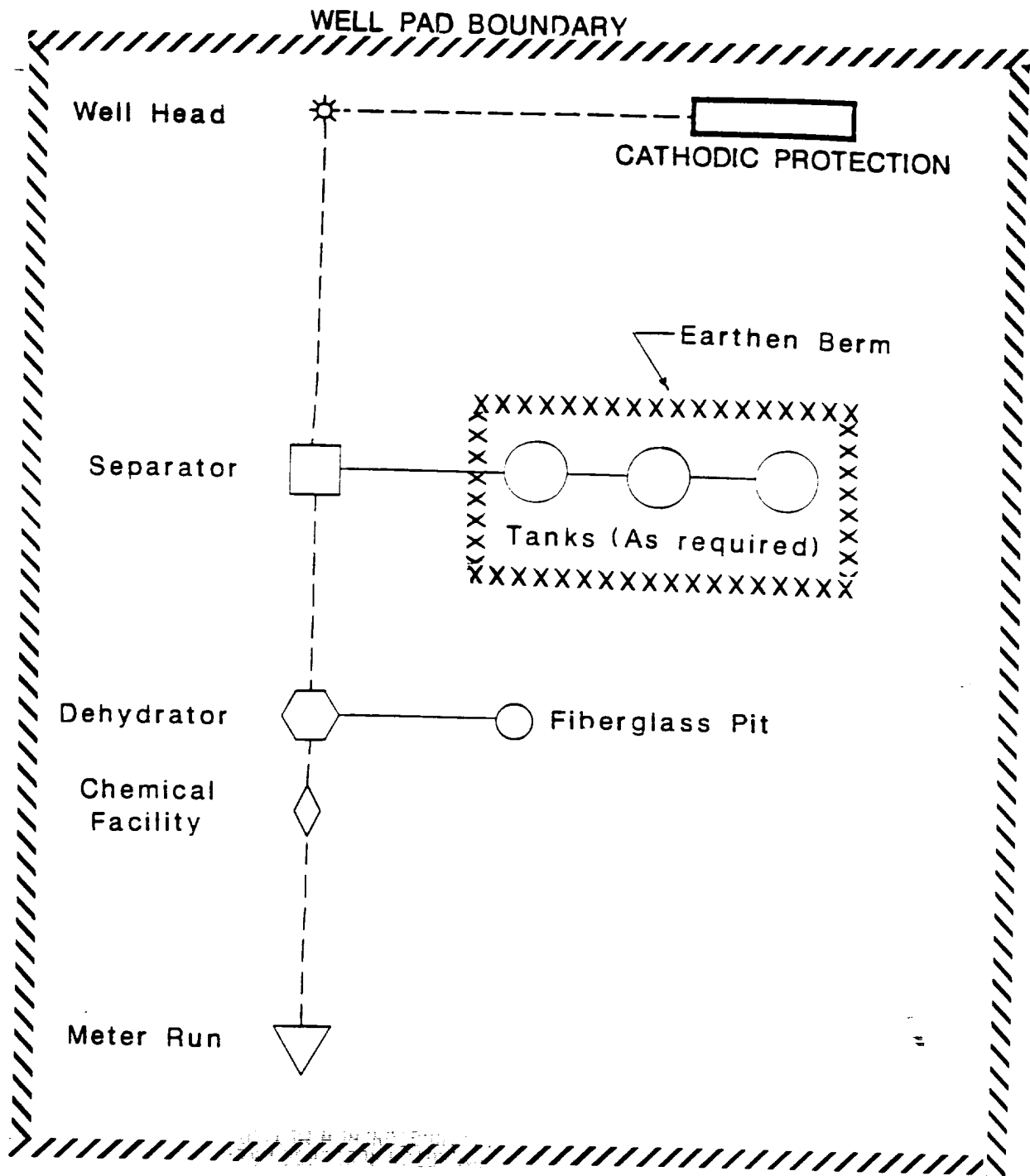
FIGURE #3



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 FCCW GORE

UPDATING 9/8/81



MERIDIAN OIL

**ANTICIPATED
PRODUCTION FACILITIES
FOR A
FRUITLAND WELL**

J. Falconi

4/28/89