

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-33055	
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 1610'N 790'E		8. FARM OR LEASE NAME TRAIL CANYON	
		9. WELL NO. 103	
		10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	
		11. SEC. T. R. M OR BLK. SEC. 18 T32N R08W NMPM	
14. PERMIT NO.	15. ELEVATIONS 6728'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.

18. AUTHORIZED BY:


REGULATORY AFFAIRS

RECEIVED

MAR 26 1990

OIL CON. DIV
DIST. 3

9/9/89

DATE

APPROVED

MAR 19 1990

DATE

AREA MANAGER
FARMINGTON RESOURCE AREA

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

=====

(This space for Federal or State office use)

APPROVED BY _____
CONDITION OF APPROVAL, IF ANY:

TITLE _____

Well Name: 103 TRAIL CANYON
 Sec. 18 T32N R08W
 BASIN FRUITLAND COAL

1610'N 790'E
 SAN JUAN NEW MEXICO
 Elevation 6728'GL

Formation tops: Surface- SAN JOSE

Ojo Alamo- 1905
 Kirtland- 1985
 Fruitland- 3215
 Fruitland Coal Top- 3383
 Fruitland Coal Base- 3648
 Intermediate TD- 3363
 Total Depth- 3648
 Pictured Cliffs- 3650

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
0 - 200	Spud	8.4 - 8.9	40-50	no control	
200 - 3363	Non-dispersed	8.4 - 9.1	30-60	no control	
3363 - 3648	Formation Water	8.4		no control	

Casing Program:	Hole Size	Depth	Interval	Csg. Size	Weight	Grade
12 1/4"	0 - 200	9 5/8"	32.3#	H-40		
8 3/4"	0 - 3363	7"	20.0#	K-55		
6 1/4"	3313 - 3648	5 1/2"	15.5#	K-55		
	0 - 3648	2 7/8"	6.5#	J-55		

Tubing Program:

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# floccel/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 166 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. 438 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.

5 1/2" liner - do not cement.

BOP and Tests:

Surface to Intermediate TD - 11" 2000 psi(minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams to 600 psi for 30 minutes.

Intermediate TD to TD - 7 1/16" 2000 psi(minimum) double gate BOP stack (Reference Figure #2). Prior to drilling out intermediate casing, test rams to 1500 psi(minimum) for 30 minutes.

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

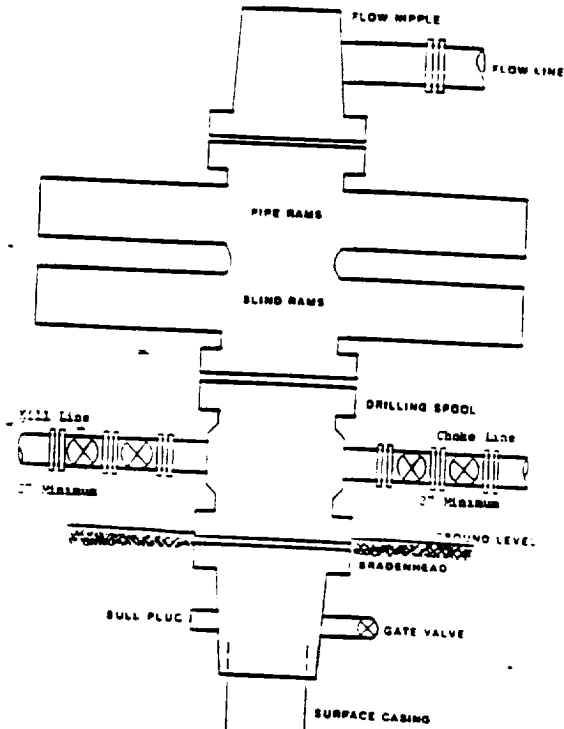
Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. A kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Addition Information:

The Fruitland coal formation will be completed.
This gas is dedicated.
The *N/L* of Section 18 is dedicated to this well.

TOP SET FRUITLAND COAL

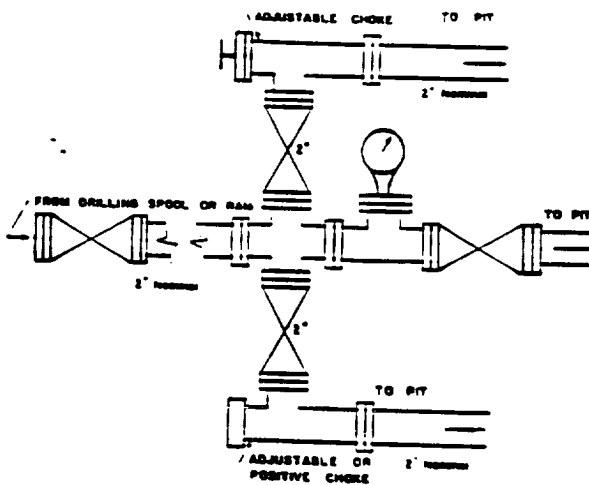
FIGURE #1



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

TOP SET FRUITLAND COAL

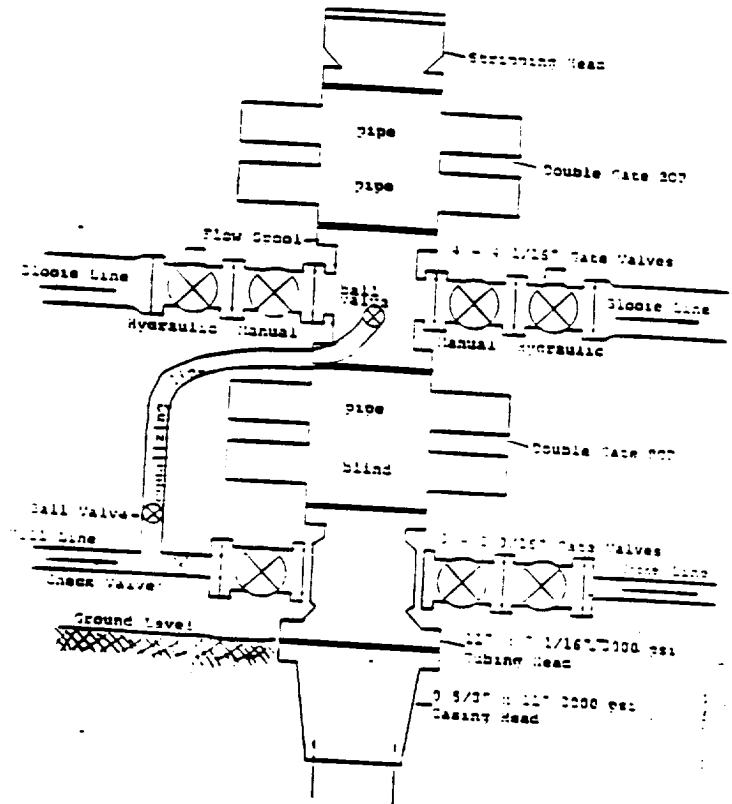
FIGURE #2



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

TOP SET FRUITLAND COAL

FIGURE #2

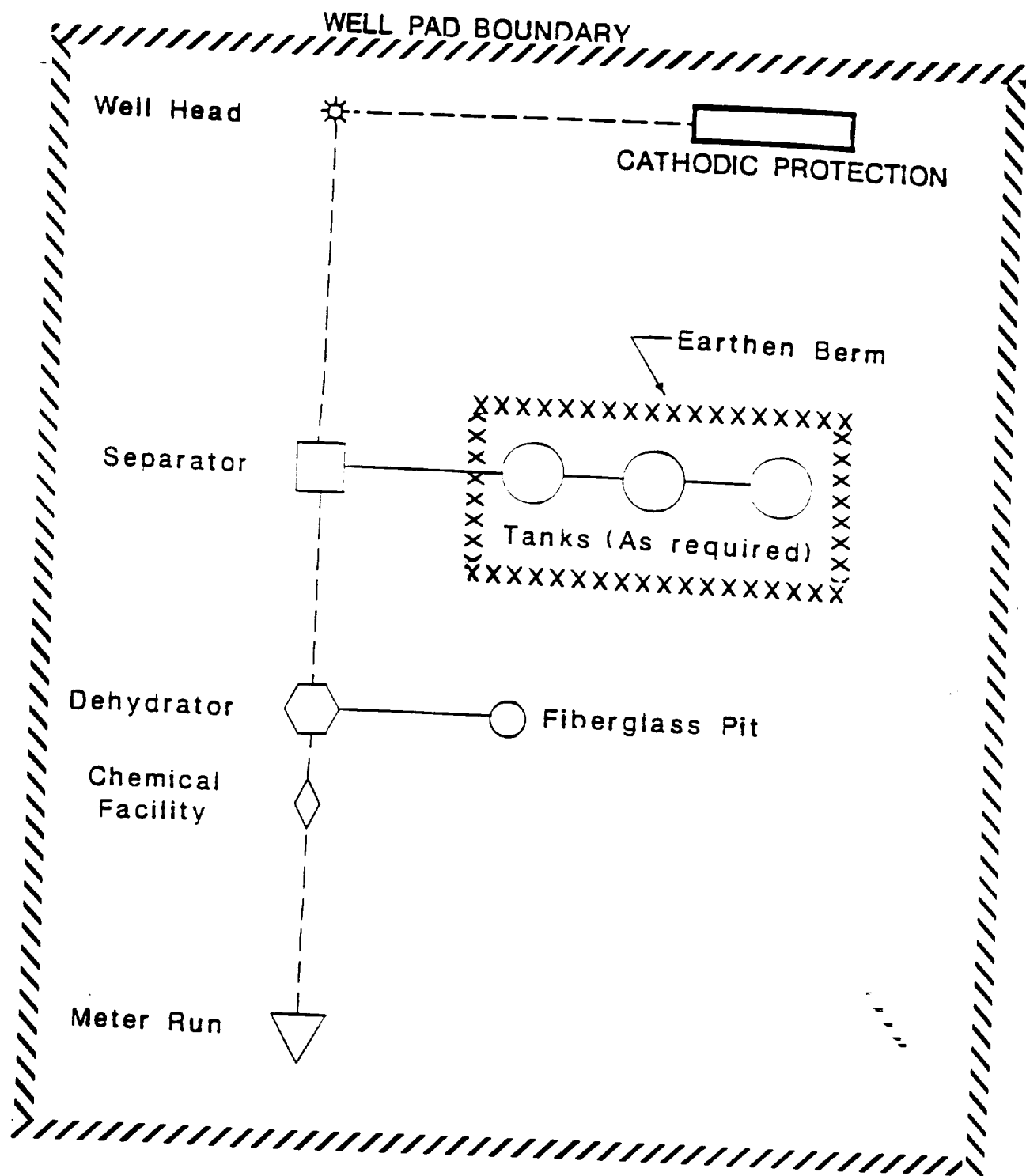


Minimum SOPE installation for a typical Fruitland Coal well from intermediate TD to TD. 6", 2000 psi working pressure double gate SOPE equipped with three pipe and one blind ram.

TOP SET FRUITLAND
COAL WELL BOPE.

UPDATED

9/8/89



MERIDIAN OIL

ANTICIPATED
PRODUCTION FACILITIES
FOR A
FRUITLAND WELL

J. Falconi

4/28/89