

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-078767	
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 ROSA UNIT	
4. LOCATION OF WELL 1760' N 830' E 1450' 1700'		8. FARM OR LEASE NAME ROSA UNIT	
		9. WELL NO. 226	
		10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	
		11. SEC. T. R. M OR BLK. SEC. 12 T31N R06W NMPM	
14. PERMIT NO.	15. ELEVATIONS 6285' GL	12. COUNTY RIO ARRIBA	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
APR 03 1990
OIL CON. DIV. 1
DIST. 3

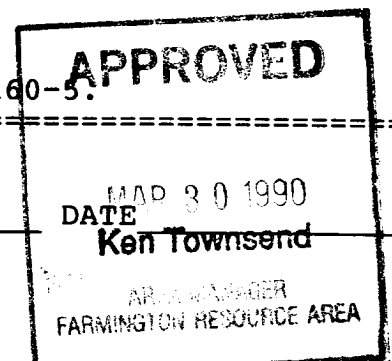
18. AUTHORIZED BY: [Signature]
REGULATORY AFFAIRS

9/9/99
DATE

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITION OF APPROVAL, IF ANY:



100-443887-100

Well Name: 226 ROSA UNIT
 Sec. 12 T31N R06W
 BASIN FRUITLAND COAL

1760'N 830'E
 RIO ARRIBA NEW MEXICO
 Elevation 6285'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2355
 Kirtland- 2470
 Fruitland- 2850
 Fruitland Coal Top- 2950
 Fruitland Coal Base- 3120
 Intermediate TD- 2930
 Total Depth- 3125
 Pictured Cliffs- 2122

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 - 2930	Non-dispersed	8.4 - 9.1	30-60	no control
	2930 - 3125	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 - 2930	7"	20.0#	K-55
	6 1/4"	2880 - 3125	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3125	2 7/8"	6.5#	J-55

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# flocele/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 28 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. 173 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.

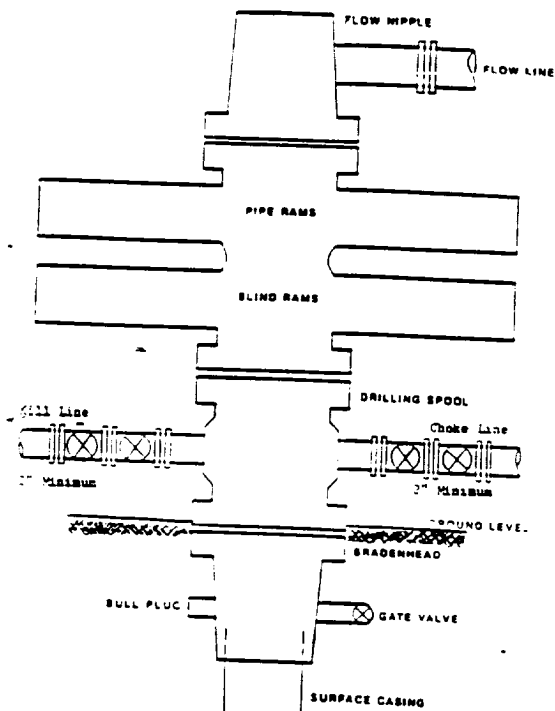
The * of Section 12 is dedicated to this well.



* W/2 OF E/2 AND LOTS 1, 2, 3, &

TOP SET FRUITLAND COAL

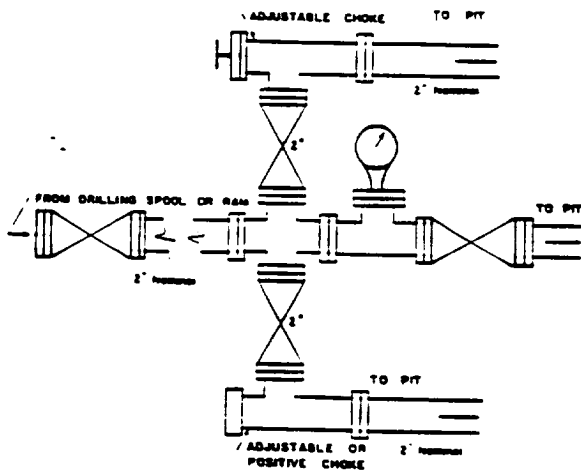
FIGURE #1



Minimum ROPE installation for a typical Fruitland Coal well from surface to intermediate TD. 12", 2000 psi working pressure double gate SOP equipped with blind and pipe rams.

TOP SET FRUITLAND COAL

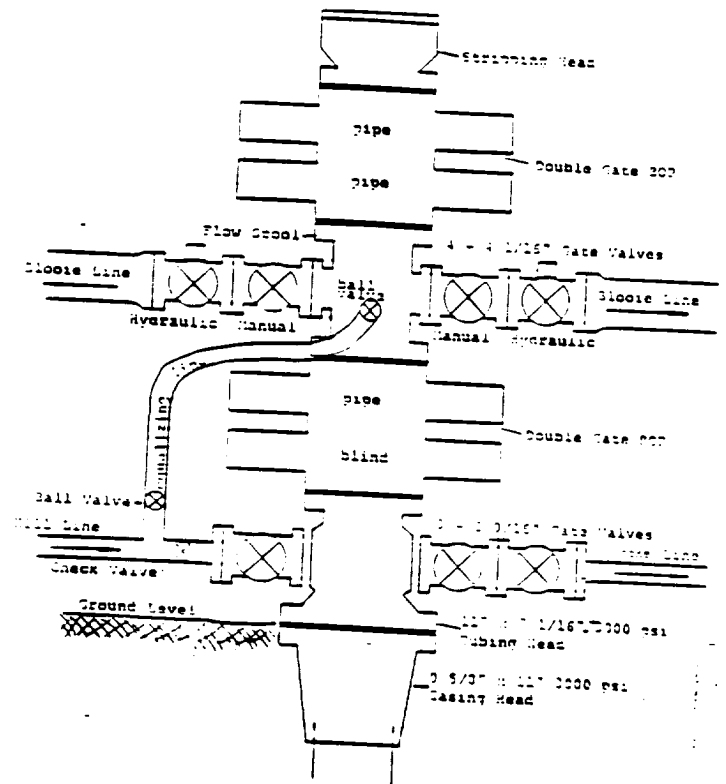
FIGURE #3



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

TOP SET FRUITLAND COAL

FIGURE #2

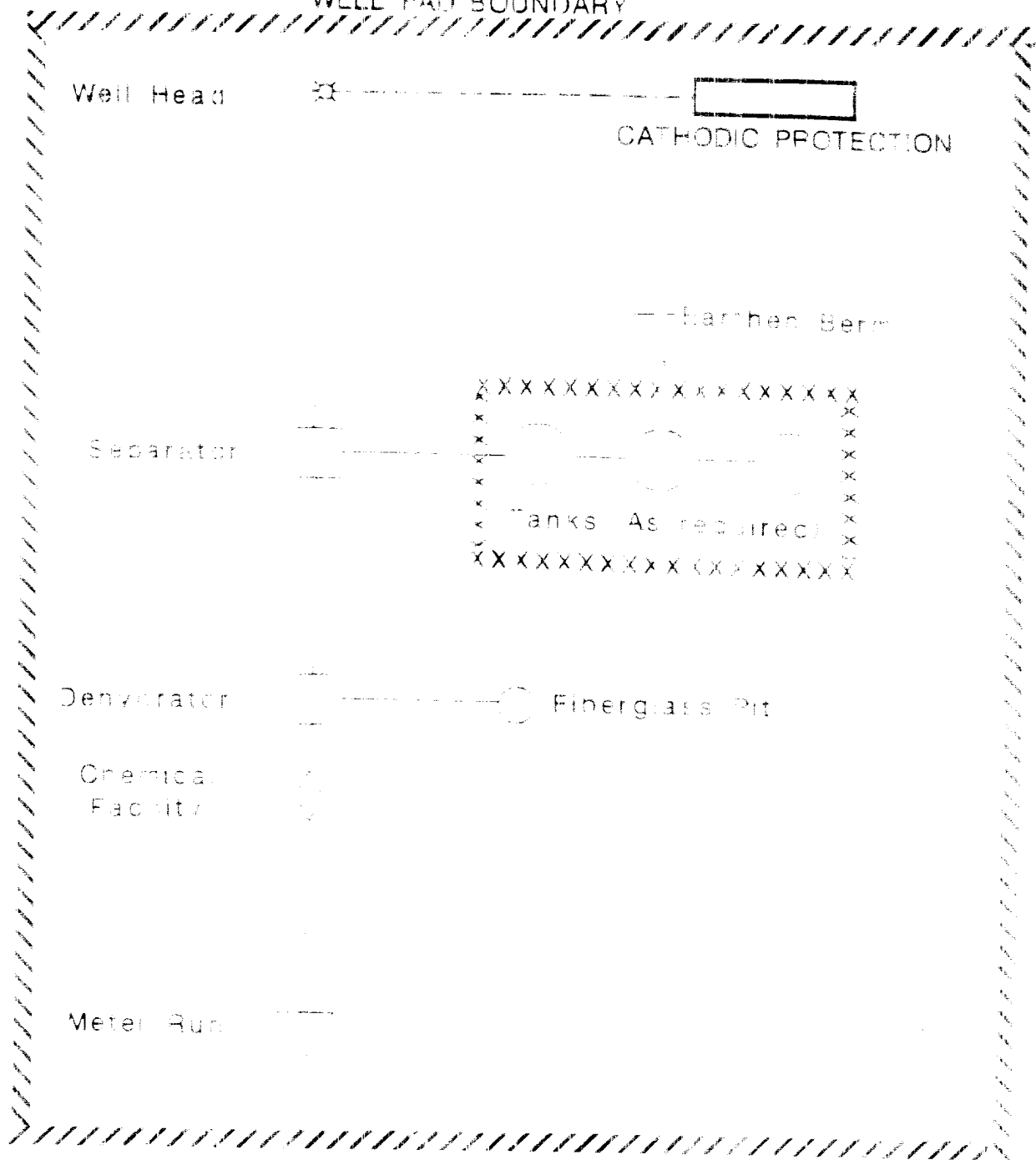


Minimum ROPE installation for a typical Fruitland Coal well from intermediate TD to TD. 6", 2000 psi working pressure double stack double gate SOP equipped with three pipe and one blind ram.

TOP SET FRUITLAND
COAL WELL ROPE.

UPDATED
9/8/89

WELL PAD BOUNDARY



MERIDIAN OIL

ANTICIPATED
PRODUCTION FACILITIES
FOR A
FRUITLAND WELL

J. Falconi

4/28/88