

30-139-27419

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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MAIL ROOM

JUL 20 AM 10:31

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

- 1a. TYPE OF WORK
DRILL
- 1b. TYPE OF WELL
GAS SINGLE ZONE
2. OPERATOR
MERIDIAN OIL INC.
3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499
4. LOCATION OF WELL
1450'S 175'W
5. LEASE NUMBER
NM-01772A
6. IF INDIAN, ALL. OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
REID
9. WELL NO.
705
10. FIELD, POOL, OR WILDCAT
EASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
SEC. 19 T28N R09W NMMP
12. COUNTY
SAN JUAN
13. STATE
NM
14. DISTANCE IN MILES FROM NEAREST TOWN
12 MILES FROM BLOOMFIELD
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.
175'
16. ACRES IN LEASE
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
17. ACRES ASSIGNED TO WELL
320.00
S/ 302.28
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 1000' COMPL., OR APPLIED FOR ON THIS LEASE.
19. PROPOSED DEPTH
2047'
20. ROTARY OR CABLE TOOLS
ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.)
5911'GL
22. APPROX. DATE WORK WILL START

RECEIVED

JUL 19 1989

OIL CON. DIV.

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: *[Signature]*
REGULATORY AFFAIRS

3-16-89
APPROVED
AS AUTHORIZED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.

JUL 17 1989
[Signature]
AREA MANAGER

1050 2653
②

OPERATIONS PLAN

DATE: MAR 14, 1989

Well Name: 705 REID
Sec. 19 T28N R09W
BASIN FRUITLAND COAL

1450'S 175'W
SAN JUAN NEW MEXICO
Elevation 5911'GL

Formation tops: Surface- SAN JOSE
Ojo Alamo- 932
Kirtland- 1115
Fruitland- 1751
Fruitland Coal Top- 1917
Fruitland Coal Base- 2046
Intermediate TD- 1897
Total Depth- 2047
Pictured Cliffs- 2050

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

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 - 1897	7"	20.0#	K-55
	6 1/4"	1847 - 2047	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2047	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 liner - 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 89 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. 290 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.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The S/2 of Section 19 is dedicated to this well.

All distances must be from the outer boundaries of the Section.

Operator Southland Royalty Company			Lease Reid (NM-01772A)		Well No. 705
Unit Letter L	Section 19	Township 28 North	Range 9 West	County San Juan	
Actual Footage Location of Wells 1450 feet from the South line and 175 feet from the West line					
Ground Level Elev. 5911'	Producing Formation Fruitland Coal		Pool Basin		Dedicated Acreage: 320.00 302.28

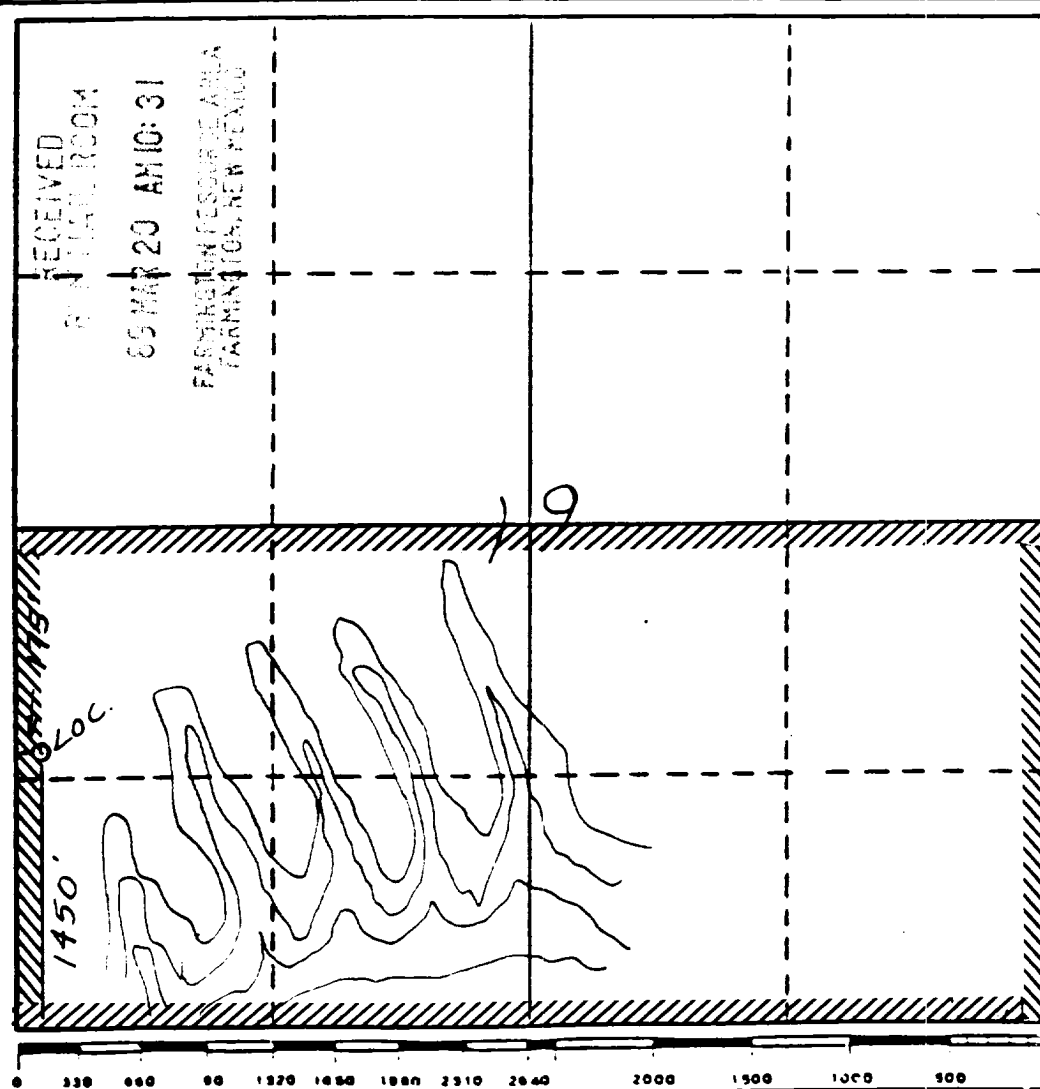
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

*Note: Non-standard due to terrain and pipelines.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Regulatory Affairs
Position
Southland Royalty Co.
Company
3-16-89

Date

I hereby certify that the location shown on this plat was plotted from notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
11/27/88

Registered Professional Engineer and/or Land Surveyor

Neale C. Edward

Certificate No.
6857

State
Lands

Applied
For ROW

BLM ROW
T28N, R10W
Section 13: E2SE
1200'
Reid #705

BLM
ROW

MAP 2

NM 01772-A

36

13

18

19

American
CANYON

MUNDO
CANYON

CANYON

NAVAJO INDIAN