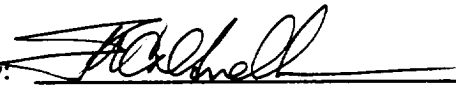


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

JUN 22 AM 9:31

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED JUN 21 1994	5. Lease Number SF-078119B
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator SOUTHLAND ROYALTY COMPANY 21281	OIL CON. DIV. DIST. 3	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name 15.246 Maddox Com 9. Well Number 100
4. Location of Well 1905' FSL, 1210' FEL 1850' 2440' Latitude 36° 59' 51", Longitude 107° 58' 18"		10. Field, Pool, Wildcat 71629 Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. Sec 10, T-32-N, R-11-W NMPM
14. Distance in Miles from Nearest Town 6 miles from Cedar Hill	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1210'		
16. Acres in Lease 87.760	17. Acres Assigned to Well 5/335.60	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 700'		
19. Proposed Depth 3169'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6458' GR 6417'	22. Approx. Date Work will Start 4th quarter 1993	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by:  Regional Drilling Engineer	10-21-93 Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____

**APPROVED
AS AMENDED**

Archaeological Report to be submitted
Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

JUN 17 1994
DISTRICT MANAGER

Submit to Assessor
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-
Revised

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer 00, Artesa, NM 88210

DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

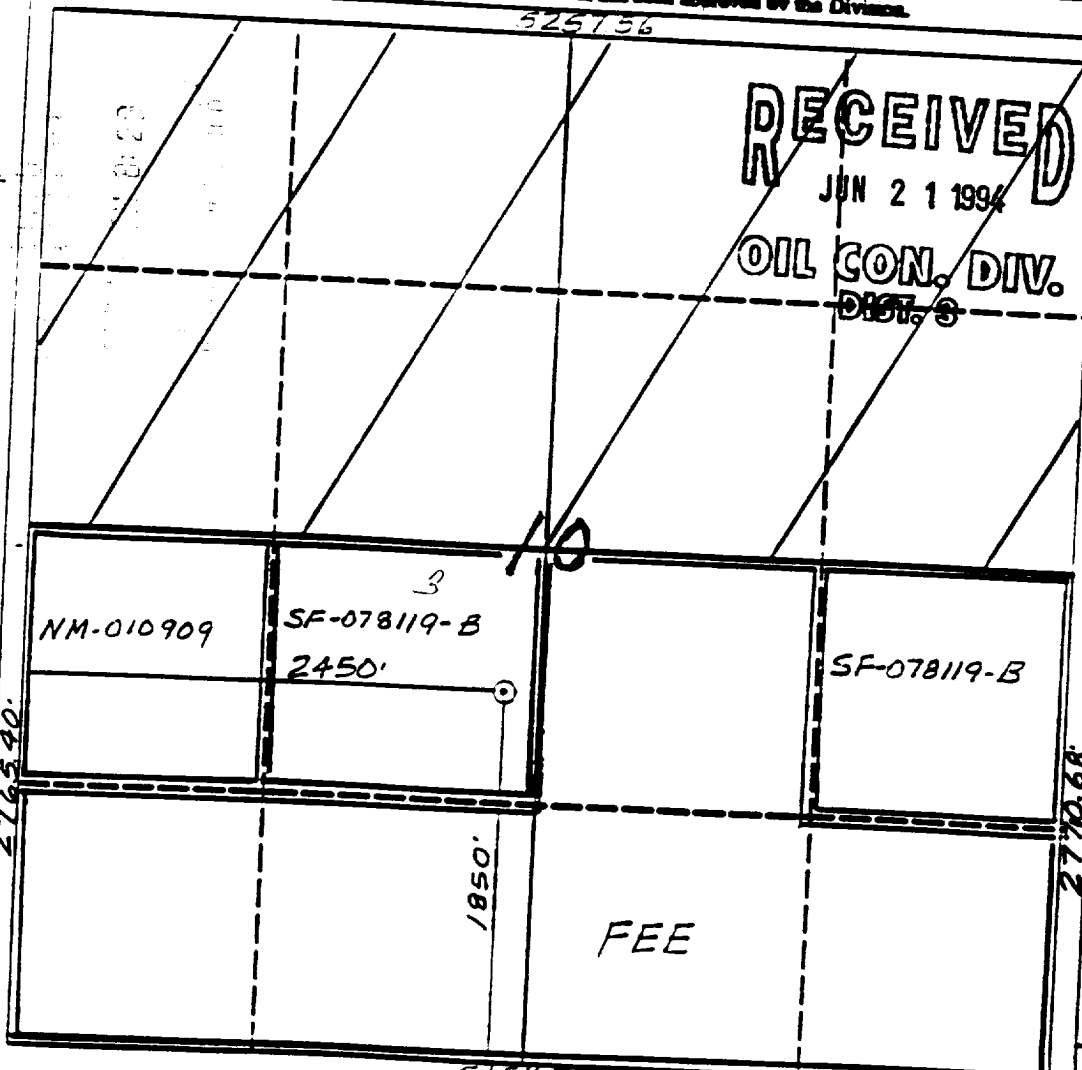
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the corner boundaries of the section

Operator Southland Royalty Co.			Lease Maddox Com (SF-078119B)	Well No. 100
Unit Letter K	Section 10	Township 32 North	Range 11 West	County San Juan
Actual Footage Location of Well: 1850 feet from the South		Line and 2450 feet from the West		
Ground Level Elev. 6417'	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage 335.60	

1. Outline the acreage dedicated to the subject well by corner points or section corners on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the owner(s) thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the nature of all covenants been considered by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consideration communitization agreement will
this form if necessary. obtained
No allotments will be assigned to the well until all interests have been considered (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, communitization such interest, has been approved by the Division.



OPERATOR CERTIFICATE

I hereby certify that the information given is true and correct to the best of my knowledge and belief.

Signature Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Southland Royalty

Company

Date

SURVEYOR CERTIFICATE

I hereby certify that the well location on this plat was planned from field actual survey made by me or my supervisor, and that the same is correct to the best of my knowledge and belief.

7-18-90

Date Surveyed

Signature

Professional



OPERATIONS PLAN

Well Name: Maddox Com #100
Location: 1905'FSL, 1210'FEL, Section 10, T-32-N, R-11-W
 San Juan, New Mexico
 Latitude 36° 59' 51", Longitude 107° 58' 18"
Formation: Basin Fruitland Coal
Elevation: 6458'GL

Formation:	Top	Bottom	Contents
Surface	Nacimiento	1344'	
Ojo Alamo	1344'	1378'	aquifer
Kirtland	1378'	2711'	
Fruitland	2711'	3172'	
Fruitland Coal Top	2893'	3161'	gas & salt water
Pictured Cliffs	3172'		
Total Depth	3169'		

Logging Program: Mud logs from intermediate to Total Depth.

Mud Program:

Interval	Type	Weight	Vis.	Fluid Loss
0- 200'	Spud	8.4-8.9	40-50	no control
200-2853'	Non-dispersed	8.4-9.1	30-60	no control
2853-3169'	Formation Water	8.4		no control

Casing Program:

Hole Size	Depth Interval	Csg.Size	Wt.	Grade
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2853'	7"	20.0#	K-55
6 1/4"	2703' - 3169'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 3169'	2 3/8"	4.7#	J-55
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Float Equipment: 9 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

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 guide shoe. Two turbolizing type centralizers - one below and one into the base of the Ojo Alamo @ 1378'. Standard centralizers thereafter every fourth joint up to the base of the surface pipe.

5 1/2" production casing - float shoe on bottom and 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 3/8" x 11" 2000 psi xmas tree assembly.

MERIDIAN OIL INC

TOWNSHIP 32 NORTH, RANGE 11 WEST

ADOBE DOWNS R7
NEW MEXIC

7.5 MINUTE SERI

