

30-045-27559

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
PLANNING ROOM

DEC 27 AM 10:14

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

RECEIVED
DEC 26 1989

5. LEASE NUMBER
SF-078115

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR
OIL CON. DIV
SOUTHLAND ROYALTY CO. DIST. 3

7. UNIT AGREEMENT NAME

3. ADDRESS & PHONE NO. OF OPERATOR
P O BOX 4289
FARMINGTON, NM 87499

8. FARM OR LEASE NAME
GRENIER

9. WELL NO.
105

4. LOCATION OF WELL
~~2475' N 790' E~~
1745' 2912 & 1715' 862

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL
11. SEC. T. R. M OR BLK.
SEC. 13 T31N R12W NMPM

14. DISTANCE IN MILES FROM NEAREST TOWN
5 MILES FROM AZTEC

12. COUNTY
SAN JUAN
13. STATE
NM

15. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST PROPERTY
OR LEASE LINE. 790'

16. ACRES IN LEASE 17. ACRES ASSIGNED TO WELL
307.78

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 700'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH
2694'
20. ROTARY OR CABLE TOOLS
ROTARY

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.3
and appeal pursuant to 43 CFR 3105.4.

21. ELEVATIONS (DF, FT, GR, ETC.)
6183' GL
6195

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

24. AUTHORIZED BY: J. D. Zylinski
REGULATORY AFFAIRS

10/21/89
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

APPROVED
AS AMENDED
DATE DEC 21 1989
[Signature]
AREA MANAGER

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

OK
(2)

NMOCD

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease Grenier (SF-078115)		Well No. 105
Unit Letter G	Section 13	Township 31 North	Range 12 West	County NMPM San Juan	
Actual Footage Location of Well: 1795 feet from the North line and 1715 feet from the East line					
Ground level Elev. 6195'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 307.78 Acres	

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 working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.

OPERATOR CERTIFICATION

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

Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Southland Royalty Co

Company

11-27-89

Date

SURVEYOR CERTIFICATION

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

Date Surveyed

NEALE C. EDWARDS

Signature of Sealed Professional Surveyor

Certificate No.

6857

RECEIVED

DEC 26 1989

OIL CON. DIV
DIST. 3

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Well Name: 105 GRENIER 2475'N 790'E
 Sec. 13 T31N R12W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6183'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 964
 Kirtland- 989
 Fruitland- 2269
 Fruitland Coal Top- 2465
 Fruitland Coal Base- 2688
 Total Depth- 2694
 Pictured Cliffs- 2716

Logging Program: Mud logs from 2269 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
-	0 - 200	Spud	8.4 - 8.9	40-50	no contro.
	200 - 2694	Non-dispersed	8.4 - 9.5	30-60	no contro.

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 - 2694	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2694	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 250 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. 600 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.

0
6/68

GRENICK #105
NE 13-31-12
R.O.W. IS FEE AND
ON LEASE

MAP #1

