

30-045-27464

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED

SEP 15 1989

OIL CON. DIV

1a. TYPE OF WORK
DRILL

1b. TYPE OF WELL
GAS

2. OPERATOR
SOUTHLAND ROYALTY CO. DIST. 3

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

4. LOCATION OF WELL
1160'N 1280'E

5. LEASE NUMBER
NM-01614

6. IF INDIAN, ALL. OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
THOMPSON

9. WELL NO.
100

10. FIELD, POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T. R. M OR BLK.
A SEC. 27 T31N R12W NMPM

12. COUNTY
SAN JUAN

13. STATE
NM

14. DISTANCE IN MILES FROM NEAREST TOWN
4 miles from Aztec

15. DISTANCE FROM
PROPOSED LOCATION 1160'
TO NEAREST PROPERTY
OR LEASE LINE.

16. ACRES IN LEASE
2160

17. ACRES ASSIGNED TO WELL
N/ 320.00

18. DISTANCE FROM
PROPOSED LOCATION
TO NEAREST WELL DR. 300'
COMPL., OR APPLIED
FOR ON THIS LEASE.

19. PROPOSED DEPTH
2542'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (DF, FT, GR, ETC.)
6143'GL

22. APPROX. DATE WORK WILL START

This action is subject to technical and
procedural review pursuant to 43 CFR 3185.3
and appeal pursuant to 43 CFR 3185.4

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

8-23-89
DATE

PERMIT NO. _____ APPROVAL DATE _____ APPROVED
AS AMENDED

APPROVED BY _____ TITLE _____ DATE *SEP 13 1989*

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3 *[Signature]* AREA MANAGER

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

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

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

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

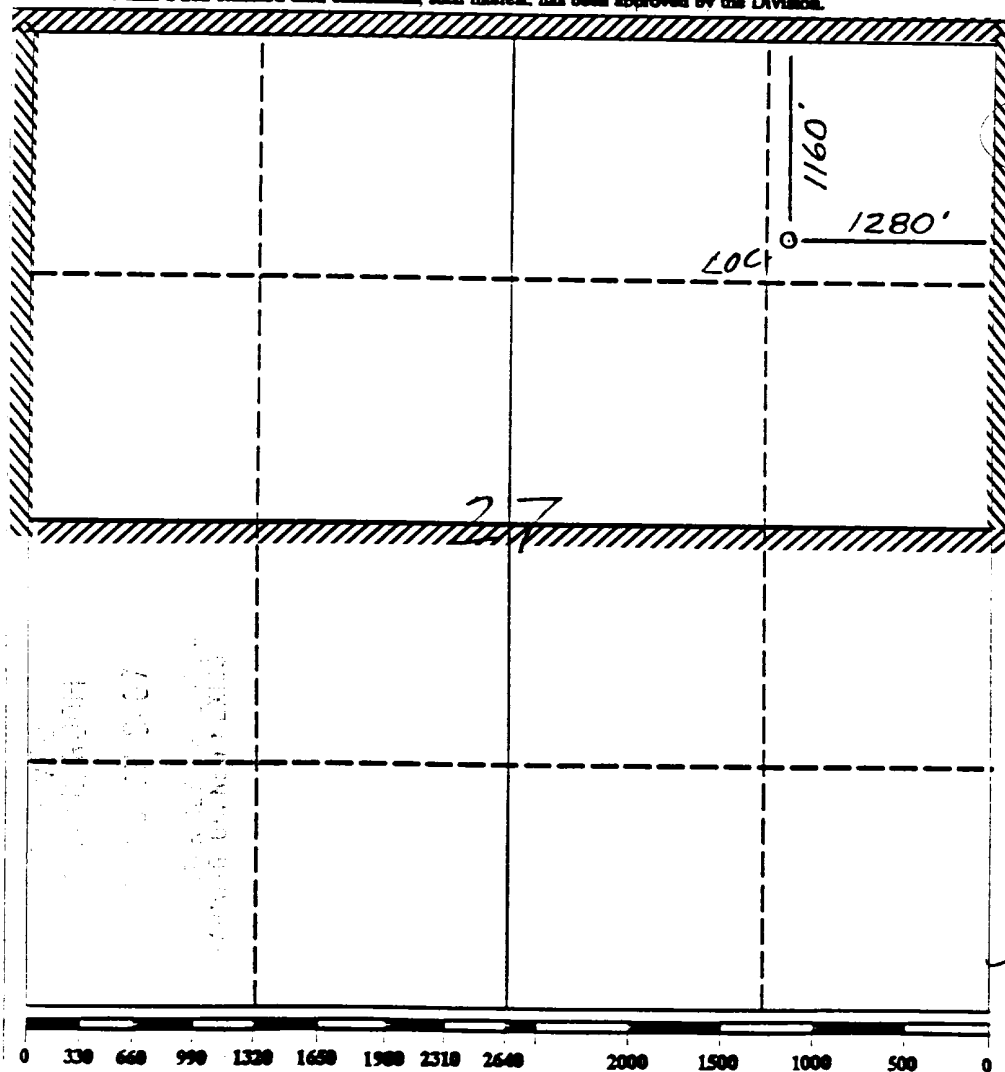
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease Thompson (NM-01614)		Well No. 100
Unit Letter A	Section 27	Township 31 North	Range 12 West	County San Juan	
Actual Footage Location of Well: 1160 feet from the North line and 1280 feet from the East line					
Ground level Elev. 6143'	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or lacquer marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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, force-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 best of my knowledge and belief.

Signature *Peggy Bradford*

Printed Name
Peggy Bradford

Position
Regulatory Affairs

Company
Southland Royalty

Date
8-23-89

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes 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
Neal C. Edwards
Signature of Sealant
Professional Surveyor 6857

Certificate No.
6857

Well Name: 100 THOMPSON 1160'N 1280'E
 Sec. 27 T31N R12W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6143'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 830
 Kirtland- 877
 Fruitland- 2161
 Fruitland Coal Top- 2465
 Fruitland Coal Base- 2541
 Total Depth- 2542
 Pictured Cliffs- 2558

Logging Program: Mud logs from 2161 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2542	Non-dispersed	8.4 - 9.5	30-60	no control

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 - 2542	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2542	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 assembly

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 246 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. 593 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.

BLM ROW

T31N, R12W

Section 26: W2NW

W2SW

W2SE

1900'

2000'

1700'

35' S2NW

21' W2SE

N4SE

E2NE

22' NWNW

15' W2SW

N6SW

S4NW

SWNE

3000'

2700'

200'

2500'

500'

1900'

1400'

1000'

800'

THOMPSON 100

