

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 29 1990

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG OIL CON. DIV.,
DIST. 3

1a. TYPE OF WORK DRILL	5. LEASE NUMBER NM-58137
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR SOUTHLAND ROYALTY CO.	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR 21281 P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME 10449 BURNS RANCH
4. LOCATION OF WELL 2505'FNL 895'FEL	9. WELL NO. 300
10. FIELD, POOL, OR WILDCAT 71629 BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. H SEC. 2 T29N R04W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 10 mi. NE of Gobernador	12. COUNTY RIO ARRIBA
	13. STATE NM
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE. 895'	16. ACRES IN LEASE 639.080
	17. ACRES ASSIGNED TO WELL E/319.36
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 6000' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 4118'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 7078'GL	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: [Signature]
REG. DRILLING ENGR.

4/30/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

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

NMOCD

Ken Townsend
FOR

THE UNIVERSITY OF
THE SOUTH ALABAMA
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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 8-1-89

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, Artesa, NM 88210

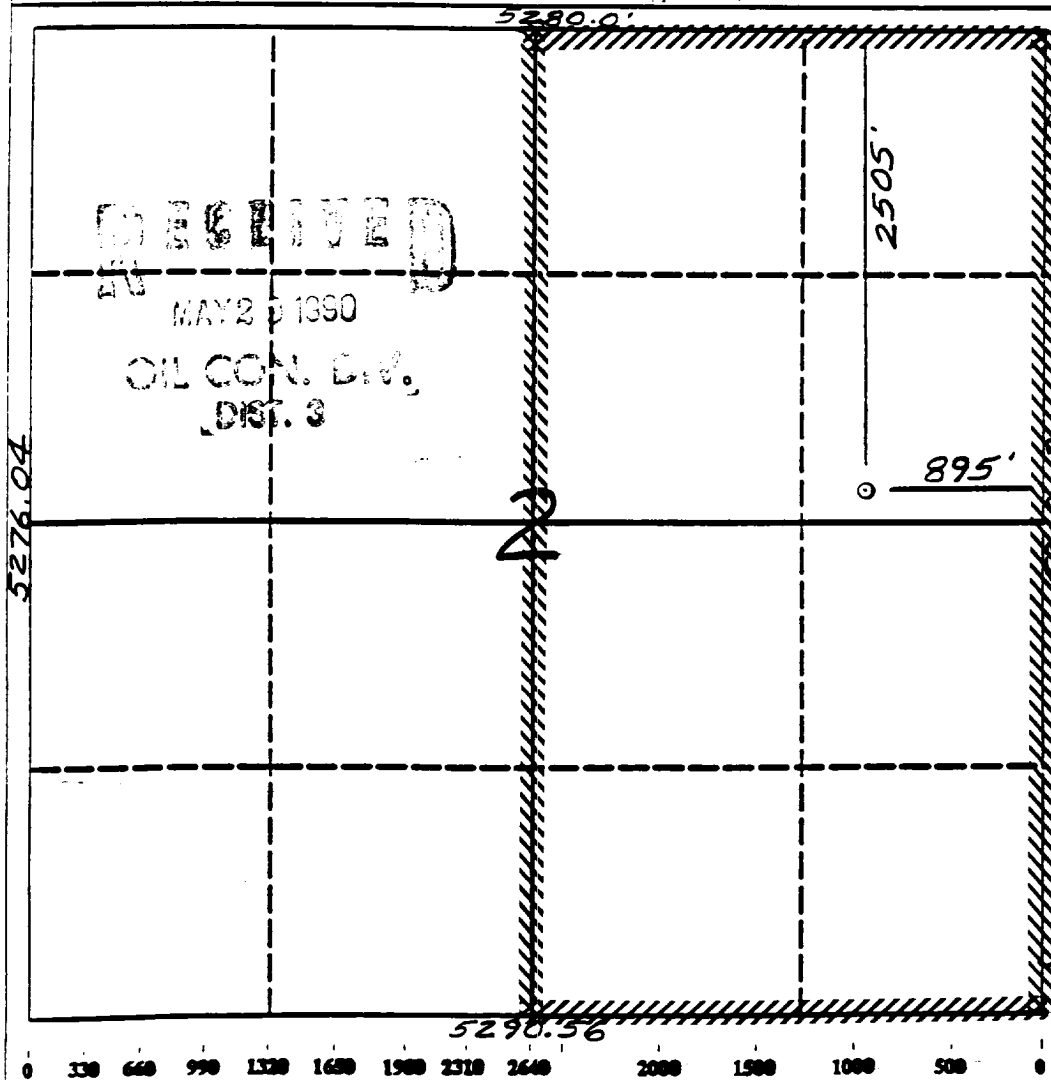
DISTRICT III
1000 Rio Arriba Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease Burns Ranch (NM-58137)		Well No. 300
Unit Letter H	Section 2	Township 29 North	Range 4 West	County NMPM Rio Arriba	
Actual Footage Location of Well:					
2505 feet from the North line and		895 feet from the East line			
Ground level elev. 7078'		Producing Formation Fruitland Coal Basin		Dedicated Acreage: 319.36 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hectare 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 commutation, 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 well be assigned to the well until all interests have been consolidated (by commutation, unitization, force-pooling, or otherwise) or until a non-structured 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
4-27-90

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 Surveyor
Professional Surveyor 857

REGISTERED LAND SURVEYOR
6857

Well Name: 300 BURNS RANCH
 Sec. 2 T29N R04W
 BASIN FRUITLAND COAL

2505'FNL 895'FEL
 RIO ARRIBA NEW MEXICO
 Elevation 7078'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 3284
 Kirtland- 3414
 Fruitland- 3580
 Fruitland Coal Top- 3615
 Fruitland Coal Base- 3666
 Total Depth- 4118
 Pictured Cliffs- 3718

Logging Program: Mud logs from 3580 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no contro.
	200 - 4118	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 - 4118	5 1/2"	15.5#	K-55
Tubing Program:		0 - 4118	2 3/8"	4.7#	J-55

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe. Centralizers will be run in accordance with Onshore Order #2.

5 1/2" production casing - float shoe on bottom.
 Three centralizers run every other joint above shoe and four centralizers run every other joint across Ojo Alamo.

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 211 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (248 cu ft. of slurry, 200% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 682 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. 1434 cu ft. of slurry, 100% excess to circulate to surface. WOC 12 hours.

