

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

30-045-27866

RECEIVED
LAND MAIL ROOM

JUN 11 1990 1:51

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

FARMINGTON, NEW MEXICO

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079634
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 P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME MCCLANAHAN
4. LOCATION OF WELL 1785'FNL 1670'FEL	9. WELL NO. 551
14. DISTANCE IN MILES FROM NEAREST TOWN 5 MILES S. OF BLANCO	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
	11. SEC. T. R. M OR BLK. G SEC. 24 T28N R10W NMPM
15. DISTANCE FROM PROPOSED LOCATION 1670' TO NEAREST PROPERTY OR LEASE LINE.	12. COUNTY SAN JUAN
	13. STATE NM
16. ACRES IN LEASE 2040	17. ACRES ASSIGNED TO WELL E/ 320.00
	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 600' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2019'
	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC.) 5875'GL	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.
	22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS

RECEIVED

JUN 19 1990

24. AUTHORIZED BY:

REG. DRILLING ENGR.

OIL CON. DIV.
DIST. 3

5/4/90
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

DATE

APPROVED

JUN 11 1990

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

for Ken Townsend
AREA MANAGER

NMOCD

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89
RECEIVED
MINERAL ROOM

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

RECEIVED
FARM & RANCH SURVEY AREA
TARMINGTON, NEW MEXICO

Operator Southland Royalty Company			Lease Mc Clanahan (SF-079634)			Well No. 551		
Unit Letter G	Section 24	Township 28 North	Range 10 West	County NMPM	San Juan			
Actual Footage Location of Well: 1785 feet from the North line and 1670 feet from the East line								
Ground level Elev. 5875'		Producing Formation Fruitland Coal		Pool Basin		Dedicated Acreage: 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or highlighter 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 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 will be assigned to the well until all interests have been consolidated (by commutation, 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 the best of my knowledge and belief.

Signature
Peggy Bradfield

Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Southland Royalty Co

Company
4-20-90

Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of 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
1-28-90

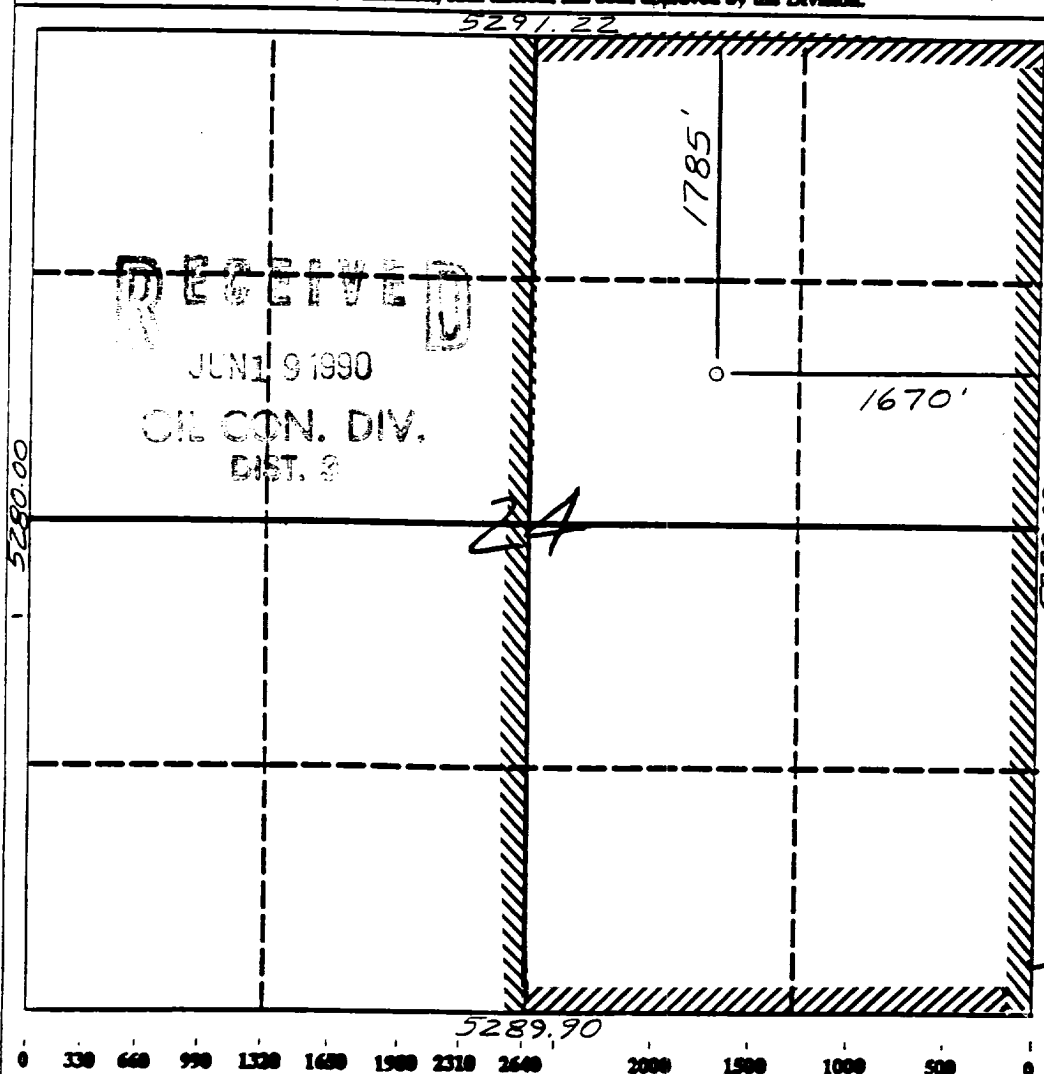
Signature of Surveyor
NEALE C. EDWARDS

Professional Surveyor
857

REGISTERED LAND SURVEYOR

Signature of Surveyor
Neale C. Edwards

Certificate No.
6857



Well Name: 551 MCCLANAHAN
Sec. 24 T28N R10W
BASIN FRUITLAND COAL

1785'FNL 1670'FEL
SAN JUAN NEW MEXICO
Elevation 5875'GL

Formation tops: Surface- NACIMIENTO
Ojo Alamo- 962
Kirtland- 1066
Fruitland- 1766
Fruitland Coal Top- 1872
Fruitland Coal Base- 2018
Total Depth- 2019
Pictured Cliffs- 2021

Logging Program: Mud logs from 1766 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2019	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 - 2019	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2019	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 assembly

Cementing:

8 5/8" surface casing - cement with 211 sacks of class "B" cement with 1/4# flocculent/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 305 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. 707 cu ft. of slurry, 100% excess to circulate to surface. WOC 12 hours.

BLM ROW
McClanahan #551
T28N, R9W

Section 19: NWSW 400'
W2NW 2600'
18: SWSW 1500'

State Lands

Fee Lands

Existing ROW

SFO 79634

BLM ROW

1500' New Construction

