

N. M. OIL & GAS COMMISSION
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
For instructions on reverse side

30 025-30736
Form Approved
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

B. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

21 Desta Drive, Midland, Texas 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1943' FWL & 779' FNL, Sec. 18, T-18S, R33E

At proposed prod. zone

21

5. LEASE DESIGNATION AND SERIAL NO.

NM-0001 6/16/85

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "21"

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

W. Corbin (Delaware)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 21, T18S, R33E

12. COUNTY OR PARISH 13. STATE

Lea

NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

707'

16. NO. OF ACRES IN LEASE

240

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2800'

19. PROPOSED DEPTH

5500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3846' G.R.

22. APPROX. DATE WORK WILL START

12/01/89

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	370'	200 sx, circulate
7 7/8"	5 1/2"	15.5	5500'	900 sx, circulate

D

Drill 12 1/4" hole to 377'. Set 8 5/8" csg @ 370'. Cmt w/ 200 sx, Circ.

Drill 7 7/8" hole to 5500'. Set 5 1/2" csg @ 5500'. Cmt w/ 900 sx, Circ.

MUD PROGRAM: 0-370' fresh water gel & lime; 370'-5500' salt water; MW 9.8-10.2;
No abnormal pressures or temperatures anticipated at TD.

BOP PROGRAM: 11"-3M BOP stack to be installed on 8 5/8" & left on for remainder of drlg. Stack to consist of annular BOP, blind ram BOP, and one pipe ram BOP. Test BOP's after setting 8 5/8" csg with independent tester.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Robert L. Bradshaw

TITLE Sr. Staff Env./Reg. Spec.

DATE 10/19/89

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

11/22/89

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL AGREEMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

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

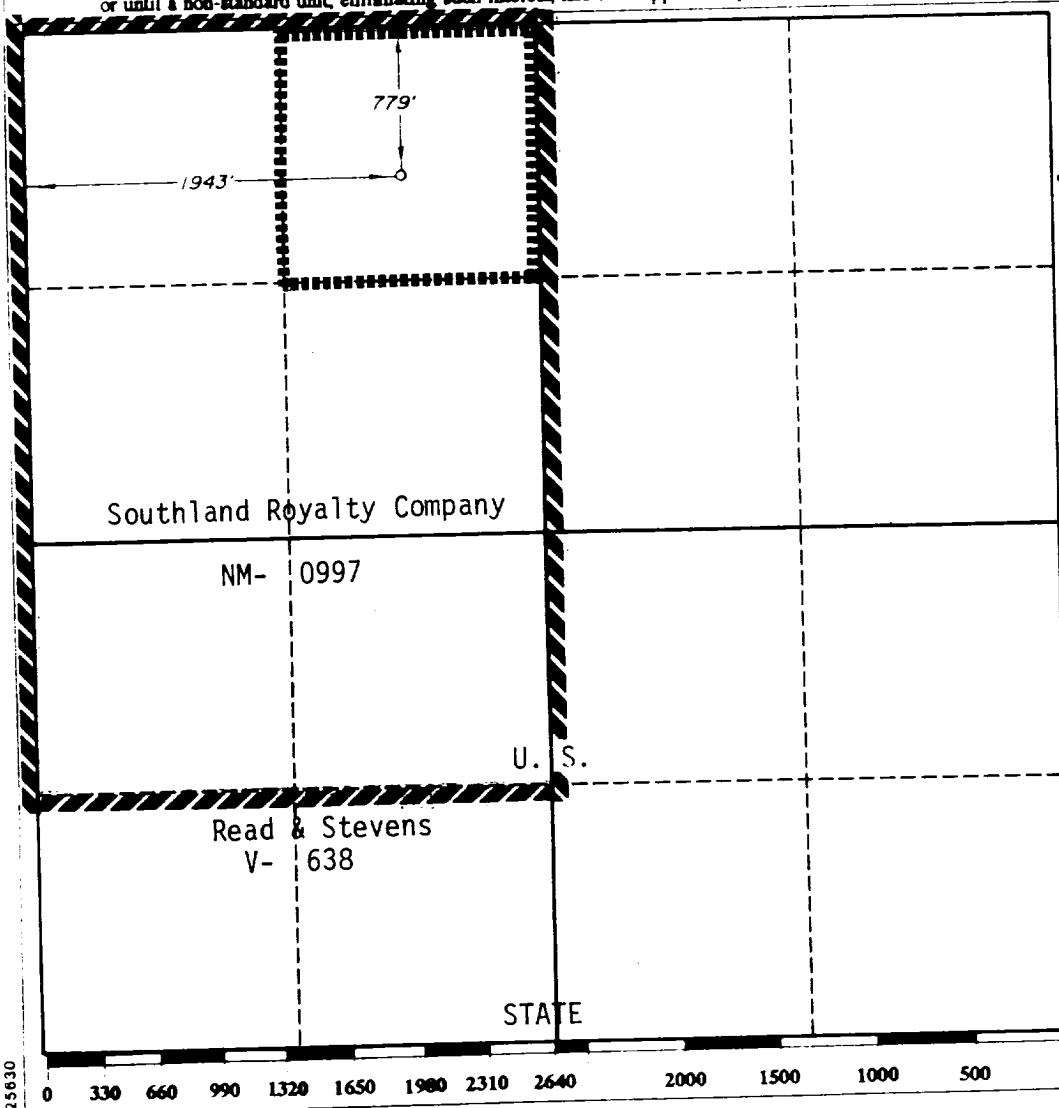
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <i>Southland Royalty Co.</i> MERIDIAN OIL INC.		Lease FEDERAL "21"		Well No. 4	
Unit Letter C	Section 21	Township 18-SOUTH	Range 33-EAST	County NMPM	LEA
Actual Footage Location of Well: 779 feet from the NORTH line and 1943 feet from the WEST line					
Ground level Elev. 3846'		Producing Formation Delaware		Pool West Corbin Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, 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
Robert L. Bradshaw
Printed Name
Robert L. Bradshaw
Position
Sr. Staff Env./Reg. Spec.
Company
Meridian Oil Inc.
Date
October 18, 1989

SURVEYOR CERTIFICATION

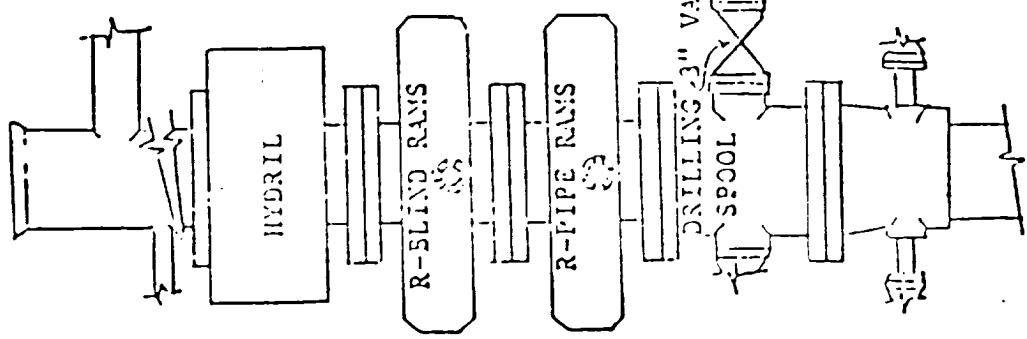
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
SEPTEMBER 11, 1989
Signature & Seal of Professional Surveyor
LYNN BEZNER
NO. 7920
REGISTERED LAND SURVEYOR
Certificate No.
7920

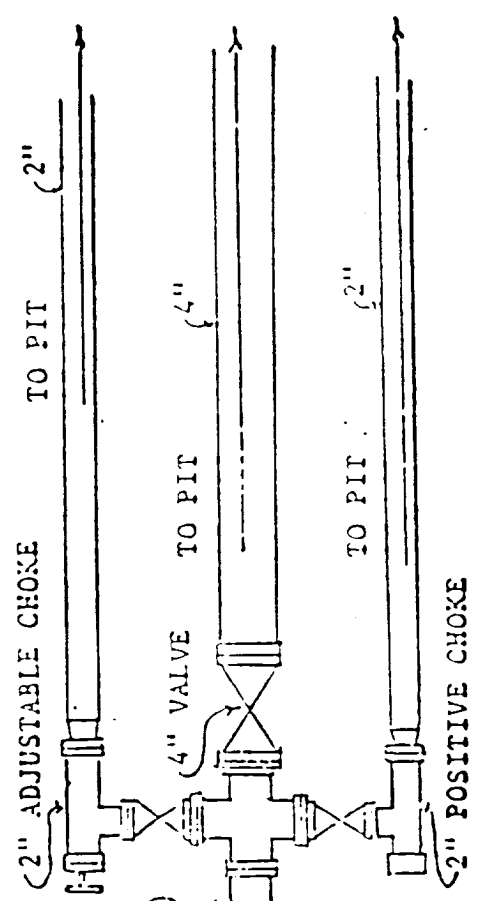
RECEIVED

NOV 27 1989

OCD
HOBS OFFICE



BLOW OUT PREVENTION EQUIPMENT
 10" 900s ALL FLANGED CONNECTIONS
 3,000# WORKING PRESSURE - 6,000# TEST



06-81-1890
173

100-10

NOV 27 1989

DOE
LABOR OFFICE

WRS COMPLETION REPORT

COMPLETIONS SEC 21 TWP 18S RGE 33E
PI# 30-T-0011 02/02/90 30-025-30736-0000 PAGE 1

NMEX LEA * 779FNL 1943FWL SEC NE NW
STATE COUNTY FOOTAGE SPOT
SOUTHLAND ROYALTY D DO
OPERATOR WELL CLASS NIT FIN
4 FEDERAL "21"
WELL NO. LEASE NAME
3858KB 3846GR CORBIN W
OPER ELEV FIELD POOL AREA
API 30-025-30736-0000

LEASE NO. PERMIT OR WELL ID NO.
12/01/1989 01/05/1990 ROTARY VERT OIL
SPUD DATE COMP DATE TYPE TOOL HOLE TYPE STATUS
5500 DELAWARE CACTUS DRLG 54 RIG SUB 11
PROJ. DEPTH PROJ. FORM CONTRACTOR
DTD 5500 PB 5454 FM/TD DELAWARE
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD TD FORM TD

LOCATION DESCRIPTION

11 MI SW BUCKEYE, NM

CASING/LINER DATA

CSG 8 5/8 @ 362 W/ 250 SACKS
CSG 5 1/2 @ 5500 W/ 1150 SACKS

TUBING DATA

TBG 2 7/8 AT 5099

INITIAL POTENTIAL

IPP 36BOPD 30 MCFD 210BW 24HRS
DELAWARE PERF W/ 90/IT 5156- 5246 GROSS
GTY 42.0 GOR 833

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	QUEEN		4204 -358	
LOG	PENROSE		4468 -622	
LOG	SN ANDRS		4806 -960	
LOG	DELAWARE		5089 -1243	

SUBSEA MEASUREMENTS FROM GR

PRODUCTION TEST DATA

DELAWARE PERF W/ 90/IT 5156- 5246 GROSS
PERF 5156- 5166 5190- 5206 5230- 5246

CONTINUED IC# 300257031489

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Petroleum Information

DB a company of
The Dun & Bradstreet Corporation

FD-WRS-CEP
Form No 187

COMPLETIONS
PI# 30-T-001

02/02/90 SEC 21 TWP 18S RGE 33E
30-025-30736-0000 PAGE 2

SOUTHLAND RO
4

LT
FEDERAL "21" D DO

PRODUCTION TEST DATA

ACID 5156-
7 1/2% NEFE
SFFR 5156-
16/30

6 2500GALS
6 43386GALS 137360LBS SAND
CO2 AMT-NO DETAILS

LOGS
LOGS

LOGS AND SURVEYS /INTERVAL, TYPE/

GR CBL
DDL MSFL CCL

DRILL

PROGRESS DETAILS

SOUTHLAND ROYALTY
2 DESTA DRIVE
M AND, TX 79705
9 686-5600
10/24 LC 1989/
12/04 DF 2680
12/12 55 TD, CIRC
12/19 55 TD, PREP COMP
12/19 DEVIATIC SURVEYS @ 362 (1/2 DEG), 834 (1/4 DEG)
1307 (1/ DEG), 1546 (1/2 DEG), 1763 (3/4 DEG),
1979 (3/ DEG), 2164 (1/2 DEG), 2388 (1/2 DEG),
2637 (3/ DEG), 2825 (1 1/4 DEG), 2918 (1 1/4
DEG), 30 (3/4 DEG), 3314 (1/2 DEG), 3770 (1
DEG), 39 (1/2 DEG), 4359 (1 DEG), 4802 (1 DEG)
5174 (3/ DEG), 5500 (1 1/4 DEG)
01/11 TOTAL DI. PLACEMENT 59.9090 FT @ TD
55 TD, PB 5454, TOP
01/30 TD REACH 12/11/89 RIG REL 12/13/89
55 TD, PB 5454
CON 1/5/90, IPP 36 BO, 30 MCFCG, 210 BWPD,
GOR 833, GTY 42
PRC ZONE - DELAWARE 5156-5246
NO RES OR DSTS RPTD