

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-C45-25446  
5. LEASE DESIGNATION AND SERIAL NO.  
SF-081240

## 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

P.O. Drawer 570, Farmington, New Mexico 87499

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

At surface

1790' FSL &amp; 1090' FEL

At proposed prod. zone

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horton

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 35, T32N, R11W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

9 miles Northwest of Cedar Hill, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

820'

16. NO. OF ACRES IN LEASE

160.00

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

5/320

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

100'

19. PROPOSED DEPTH

7787'

20. ROTARY OR CABLE TOOLS

Rotary

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

6340' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START\*

March 15, 1984

23. "GENERAL REQUIREMENTS"  
PROPOSED CASING AND CEMENTING PROGRAMThis action is subject to administrative  
appeal pursuant to 30 CFR 290.

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                   |
|--------------|----------------|-----------------|---------------|--------------------------------------|
| 12-1/4"      | New 9-5/8"     | 32.30#, H-40    | 200'          | 126 cu.ft. (Circulate to surface)    |
| 8-3/4"       | New 7"         | 23#, K-55       | 5367'         | Stge 1: 185 cuft (Cover Cliff House) |
|              |                |                 |               | Stge 2: 437 cuft (Cover Ojo Alamo)   |
| 6-1/4"       | New 4-1/2"     | 10.50#, K-55    | 5150'-6800'   | 444 cu.ft. (Circulate to liner)      |
| 6-1/4"       | 4-1/2"         | 11.60#, K-55    | 6800'-7787'   |                                      |

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1370'.

Top of Pictured Cliffs sand is at 3110'.

Fresh water mud will be used from surface to intermediate total depth, an air system will be used from intermediate total depth to 6850' and from 6850' to total depth 50/50 air-nitrogen mixture will be used.

It is anticipated that an IES will be run from intermediate total depth to surface casing, GR-Density will be run from intermediate total depth to 2400', and GR-Induction and GR-Density will be run from total depth to intermediate total depth.

No abnormal pressures or poisonous gases are anticipated in this well.

It is expected that this well will be drilled before March 31, 1984.

This depends on time required for approvals, rig availability and the weather.

Gas is dedicated.

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 R. E. Fields TITLE District Prod. Manager DATE 3/20/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

RECEIVED

APR 16 1984

OIL CON. DIV.  
DIST. 3

APPROVED

AS AMENDED

DATE

APR 12 1984

Larry S. Chase  
DISTRICT MANAGER  
FARMINGTON RESOURCE AREA

NMOCC

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

|  |                               |                 |                 |                                 |               |
|--|-------------------------------|-----------------|-----------------|---------------------------------|---------------|
| Operator<br>Southland Royalty Company  |                               |                 | Lease<br>Horton |                                 | Well No.<br>3 |
| Unit Letter<br>I   | Section<br>35                 | Township<br>32N | Range<br>11W    | County<br>San Juan              |               |
| Actual Footage Location of Well:<br>1790 feet from the South line and 1090 feet from the East line   |                               |                 |                 |                                 |               |
| Ground Level Elev:<br>6340' GL   | Producing Formation<br>Dakota |                 | Pool<br>Basin   | Dedicated Acreage:<br>320 Acres |               |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes," type of consolidation <u>Communitization</u></p> <p>If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____</p> <p>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 interests, has been approved by the Commission.</p> |                               |                 |                 |                                 |               |

|           |  |   |  |
|-----------|--|---|--|
| Sec       |  | RECEIVED<br>APR 16 1984<br>OIL CON. DIV.<br>DIST. 3 |  |
|           |  | RECEIVED<br>JUN 04 1984                             |  |
| NM-010989 |  | SF-081240   |  |
|           |  | 1790'   |  |
|           |  | 1090'   |  |

Scale: 1"=1000'

|   |                             |
|---|-----------------------------|
| CERTIFICATION   |                             |
| I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.   |                             |
| Name  | R. E. Fielder               |
| Position  | District Production Manager |
| Company   | Southland Royalty Company   |
| Date  | March 20, 1984              |
| 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   | December 13, 1983           |
| Registered Professional Engineer and Land Surveyor  |                             |
| Fred B. Kerr Jr.  |                             |
| Certificate No.   | 3950                        |

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

SF-081240

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Horton

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 35, T32N, R11W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. PERMIT NO.  
DEC 23 1985

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

6340' GL

BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

Suspended Drilling

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

SOUTHLAND ROYALTY COMPANY has suspended the drilling of the subject well indefinitely.

APP rescinded 12/20/85

RECEIVED  
JAN 08 1986  
OIL & GAS DIV.  
DIST. 2

18. I hereby certify that the foregoing is true and correct

SIGNED

*Arthur J. Grogan*

TITLE Secretary

ACCEPTED FOR RECORD

DATE 12-19-85

(This space for Federal or State office use)

JAN 07 1986

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA

BY

\*See Instructions on Reverse Side

NMOC

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ATTACHMENT #1

