

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-25310

5. LEASE DESIGNATION AND SERIAL NO.

NM-33025

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hugh Lake

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 33, T27N, R12W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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 87499-0570

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

At surface

800' FNL & 565' FWL

At proposed prod. zone

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

15 miles south of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 565'

16. NO. OF ACRES IN LEASE

640'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

N 320

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

1000'

19. PROPOSED DEPTH

6100'

20. ROTARY OR CABLE TOOLS

Rotary

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

5904' GL

22. APPROX. DATE WORK WILL START*

January 4, 1982

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#	200'	165 cu.ft. (Circulate to surface)
7-7/8"	4-1/2"	10.5#	6100'	Stge 1: 414 cu.ft. (Cover Gallup)
				Stge 2: 725 cu.ft. (Cover Cliff House)
				Stge 3: 207 cu.ft. (Cover Fruitland)

Surface formation is Ojo Alamo Sandstone.

Top of Pictured Cliffs sand is at 1232'.

Fresh water mud will be used to drill from surface to Total Depth.

It is anticipated that an IEL and GR-Density log will be run from Total Depth to surface casing.

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

It is expected that this well will be drilled before January 31, 1982.

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

Gas is not dedicated.

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

24.

SIGNED



TITLE District Engineer

DATE December 21, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for NSL

m2

NM000

APPROVED AS AMENDED
JAN 15 1982 Dean Elliott JAMES F. SIMS DISTRICT ENGINEER

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

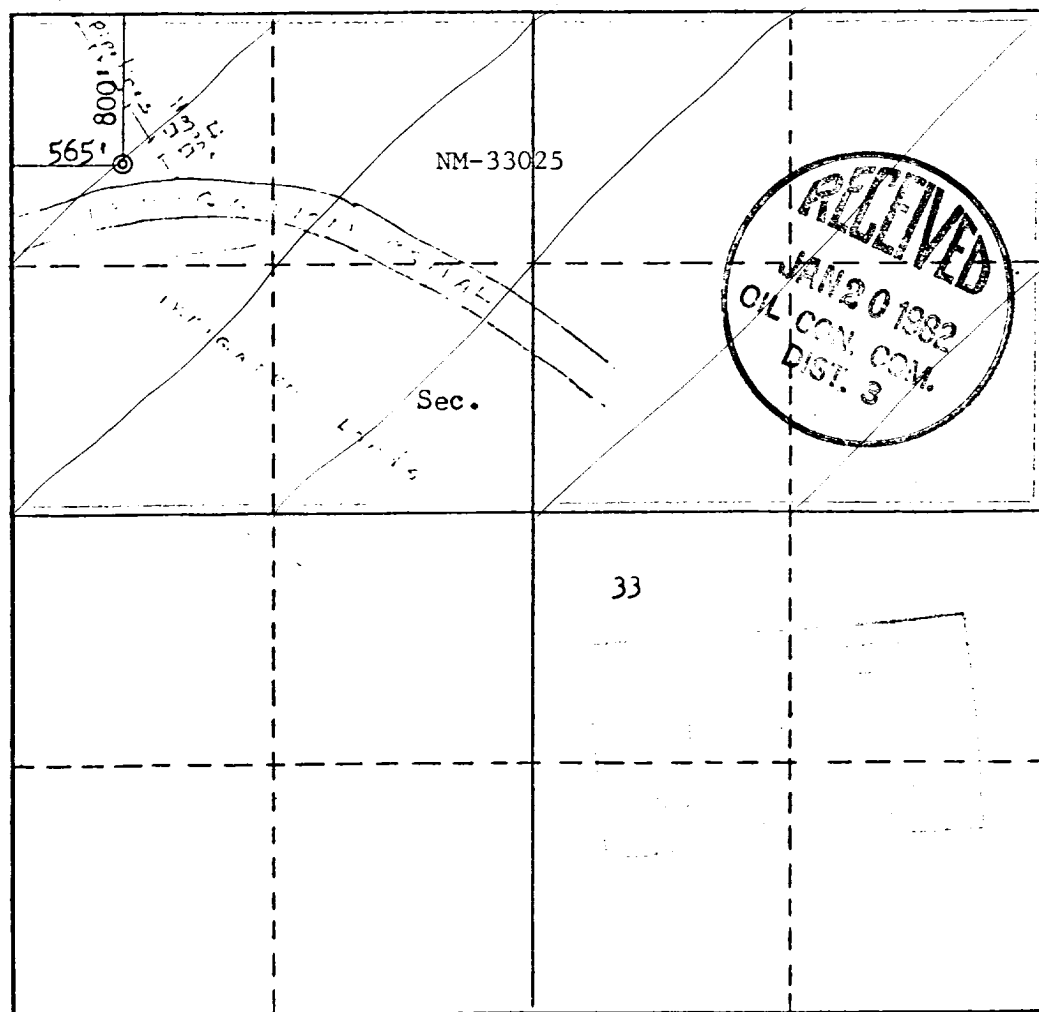
Operator SOUTHLAND ROYALTY COMPANY			Lease HUGH LAKE		Well No. 1
Unit Letter D	Section 33	Township 27N	Range 12W	County San Juan	
Actual Footage Location of Well: 800 feet from the North line and 565 feet from the West line					
Ground Level Elev. 5904	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: N 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interests 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 interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

R. E. Fielder

Name

R. E. Fielder

Position

District Engineer

Company

Southland Royalty Company

Date

December 21, 1981

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

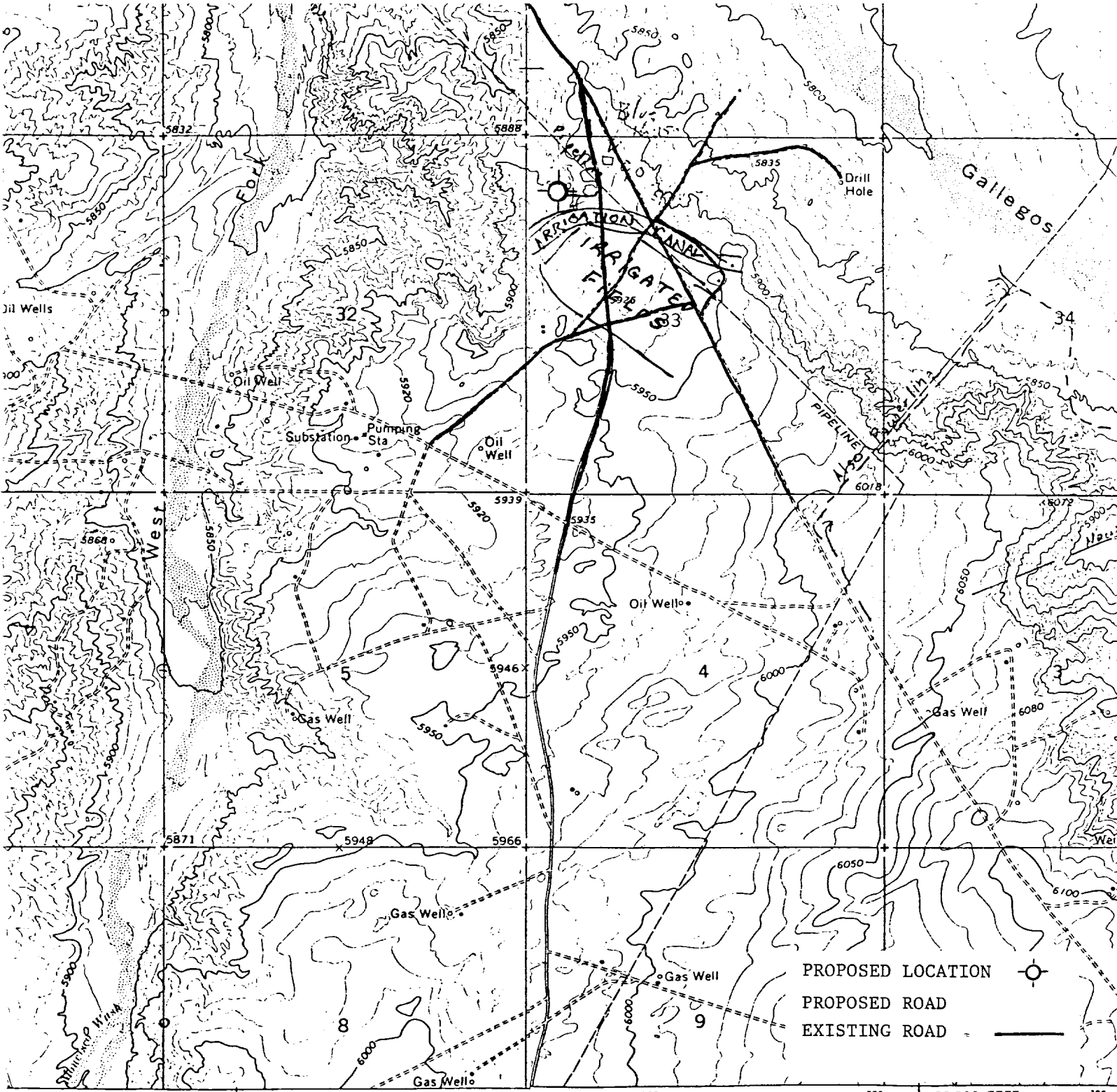
November 1981

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950



INTERIOR-GEOLOGICAL SURVEY WASHINGTON D C - 1970
 108°07'30" 758 759 1420000 FEET 760
 7570000 E

Mapped, edited, and published by the Geological Survey
 Control by USGS, USC&GS, and U. S. Bureau of Reclamation
 Topography by photogrammetric methods from aerial
 photographs taken 1964 and by plane-table surveys of the
 area by USGS 1965
 datum
 finite system,
 grid ticks,
 zone 12, shown in blue
 Fine red dashed lines indicate selected fence lines

ROAD CLASSIFICATION
 Medium-duty ——— Light-duty ———
Vicinity Map for
SOUTHLAND ROYALTY CO. #1 HUGH LAKE
800'FNL 565'FWL Sec. 33-T27N-R12W
SAN JUAN COUNTY, NEW MEXICO
HUGH LAKE, N. MEX.
 N3630—W10807.5/7.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ X other Wildcat
well well
2. NAME OF OPERATOR
Southland Royalty Company
3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, New Mexico 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 800' FNL & 565' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

RECEIVED
JAN 27 1982
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE
NM-33025
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Hugh Lake
9. WELL NO.
1
10. FIELD OR WILDCAT NAME
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 33, T27N, R12W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5904' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

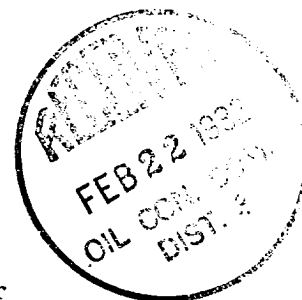
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

1-26-82

Spotted Plugs As Follows:

5920'-5820'	35 sacks Class "B" cement
4950'-4850'	45 sacks Class "B" cement
3759'-3659'	50 sacks Class "B" cement
2175'-2075'	45 sacks Class "B" cement
1195'-1095'	40 sacks Class "B" cement
270'-170'	40 sacks Class "B" cement

10 sacks at surface, installed dry hole marker



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Bonnie Mayberry TITLE Drilling Clerk DATE January 26, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

NMOCC

FEB 19 1982

*See Instructions on Reverse Side

FARMINGTON DISTRICT
BY Dean Elliott