

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-23454

5. LEASE DESIGNATION AND SERIAL NO.

SF-080655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hare

9. WELL NO.

#2322A

10. FIELD AND POOL, OR WILDCAT

Aztec Pictured Cliffs

11. SEC., T., E., M., OR BEE.
AND SURVEY OR AREA

Section 14, T29N, R10W

12. COUNTY OR PARISH

San Juan

13. STATE

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

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

At surface

1850' FSL & 900' FEL

At proposed prod. zone

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

7 miles East of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

160.28

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

19. PROPOSED DEPTH

2420'

20. ROTARY OR CABLE TOOLS

Rotary

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

5848' GR

22. APPROX. DATE WORK WILL START*

August 15, 1978

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#	120'	100 cu. ft.
6-3/4"	2-7/8"	6.5#	2420'	370 cu. ft.

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1207'.

Fresh water will be used to drill from surface to total depth.

It is expected that an IES and GR-Density log be run at total depth.

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

It is expected that this well be drilled before October 15, 1978. 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

TITLE

District Production Manager

DATE

July 19, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

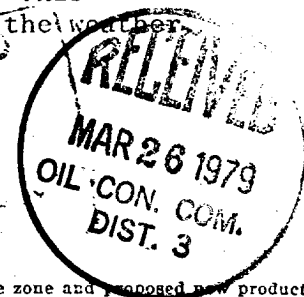
SEP 10 1978

P. T. McGRATH

ENGINEER

*See Instructions On Reverse Side

*APPROVAL IS FLARE GRANTED



MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
 Supersedes C-128
 Effective 1-1-65

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

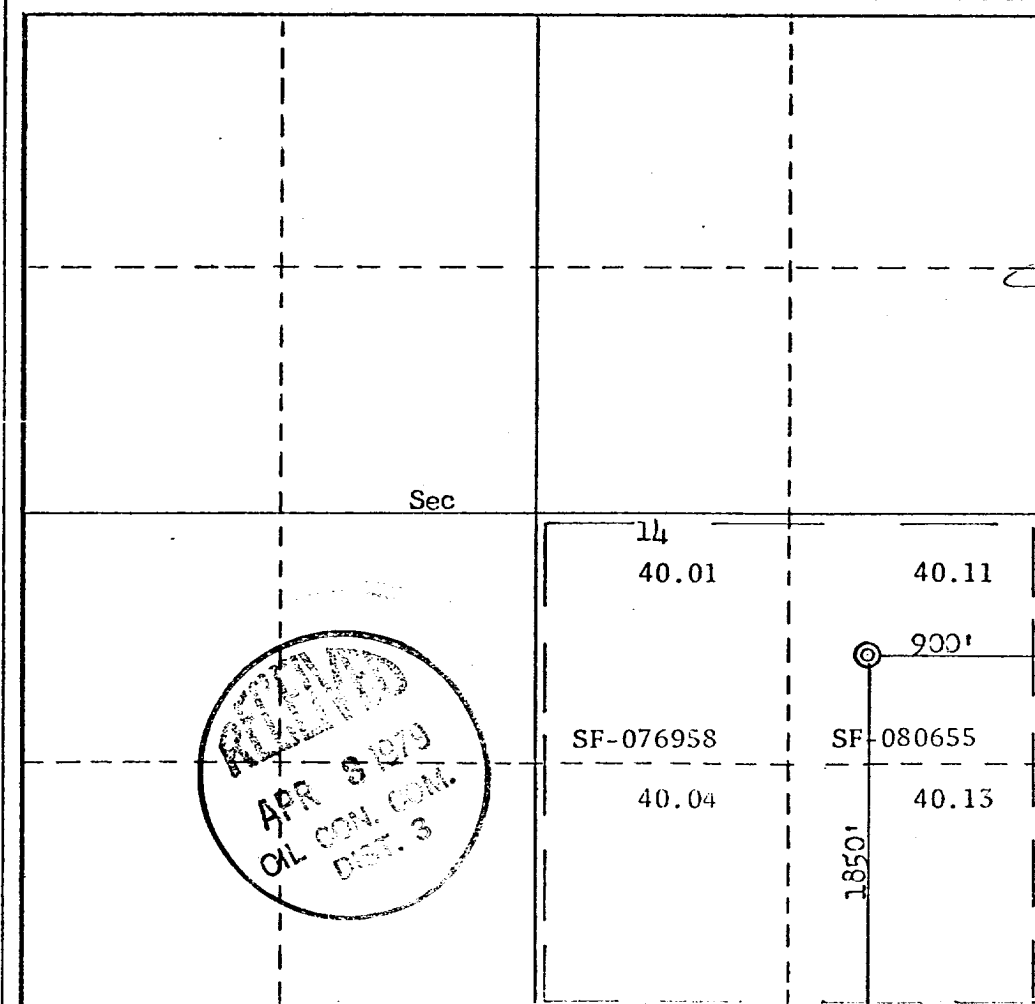
Operator SOUTHLAND ROYALTY COMPANY			Lease HARE		Well No. 23-22A
Unit Letter I	Section 14	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 1850 feet from the South line and 900 feet from the East line					
Ground Level Elev. 5848	Producing Formation Pictured Cliffs		Pool Aztec		Dedicated Acreage: 160.28 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 Communitization

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.

Name *[Signature]*
 Position
District Production Manager
 Company
Southland Royalty Company
 Date
July 19, 1978

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
May 6, 1978
 Registered Professional Engineer and/or Land Surveyor
[Signature]
Fred B. Herr, Jr.
 Certificate No. **3950**

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

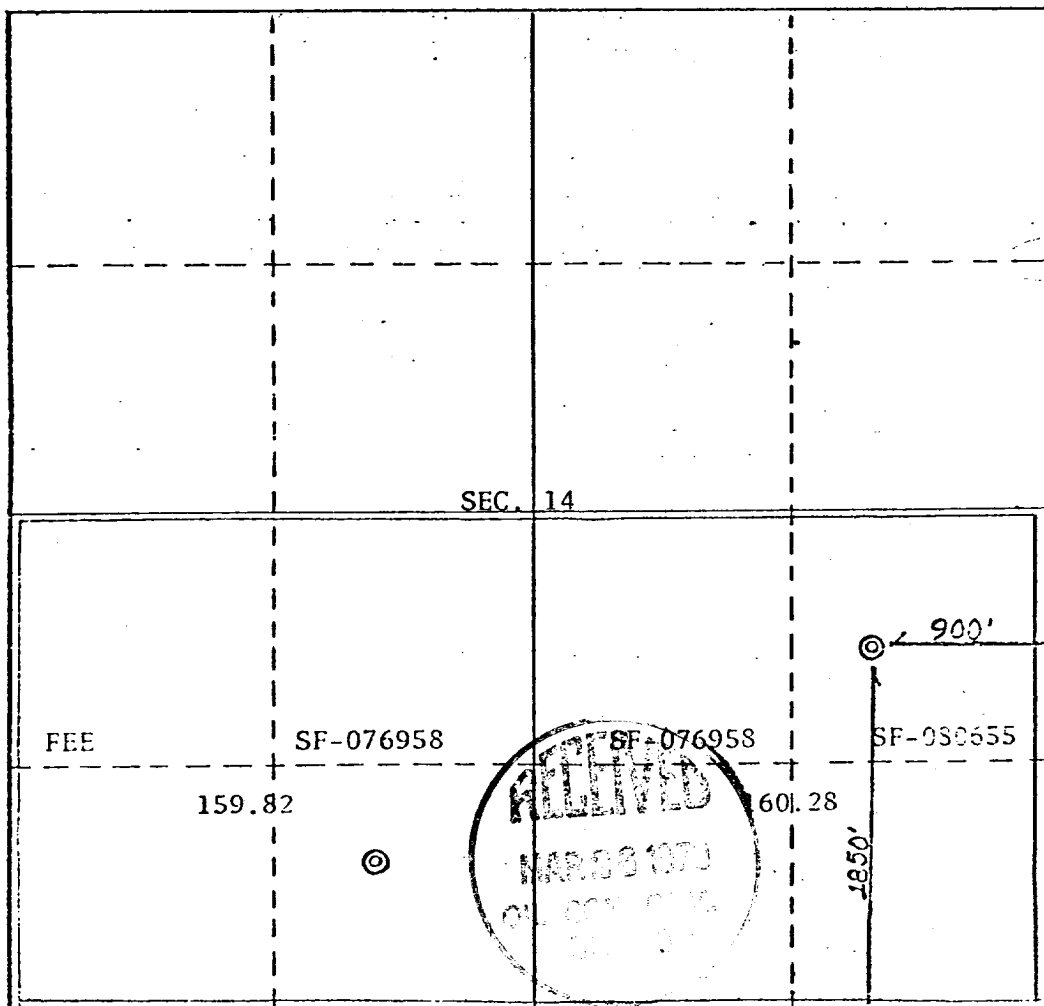
Operator SOUTHLAND ROYALTY COMPANY			Lease HARE		Well No. 22A
Unit Letter I	Section 14	Township 29N	Range 10W	County SAN JUAN	
Actual Footage Location of Well: 1850 feet from the SOUTH line and 900 feet from the EAST line					
Ground Level Elev. 5848'	Producing Formation MESA VERDE	Pool BLANCO	Dedicated Acreage: 320.10 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 Communitization

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 -

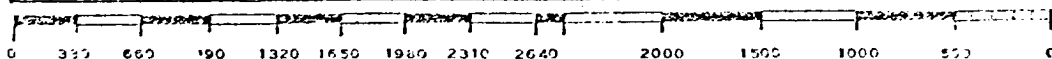
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Edwin Ryan
Position District Production Manager
Company Southland Royalty Company
Date January 31, 1979

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 _____
Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-080655

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hare

9. WELL NO.

#22A

10. FIELD AND POOL, OR WILDCAT
Aztec Pictured Cliffs
Blanco Mesaverde11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 14, T29N, R10W

14. PERMIT NO.

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

5848' GR

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) CHANGE CSG. PROGRAM/DUAL WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Intent was originally submitted as Hare #23. Well name has been changed to Hare #22A.

PROPOSED CASING AND CEMENTING PROGRAM:

SZ. HOLE	SZ. CSG.	WT/FT.	SETTING DEPTH	QUAN. CMT.
12-1/4"	9-5/8"	36#	200'	130 cu. ft.
8-3/4"	7"	20#	2590'	170 cu. ft.
6-1/4"	4-1/2"	10.5#	2440'-4885'	441 cu. ft.
	2-3/8"	4.7#	4840'	
	1-1/4"	2.3#	2290'	

Total depth: 4885'.

It is anticipated that an IES and a GR-Density log will be run at intermediate TD.

A Gamma Ray Induction and a Gamma Ray Density log will be run at total depth.

Fresh water mud will be used to drill from surface to intermediate depth.

An air system will be used to drill from intermediate depth to total depth.

It is expected that this well will be drilled before July 15, 1979. This depends on
rig availability, time required for approvals and the weather

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

SIGNED

TITLE

District Commissioner, U.S. Geological Survey

DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

OPERATOR

*See Instructions on Reverse Side