

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other information on  
reverse side)

LEASE DESIGNATION AND SERIAL NO.

SF-078144

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hampton

9. WELL NO.

4M

10. FIELD AND POOL OR WILDCAT

Basin Dakota  
Blanco Mesaverde11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 13, T30N, R11W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐OIL CON. DIV.  
DIST. 3

## 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

970' FSL &amp; 1680' FWL

At proposed prod. zone

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

5 miles east of Aztec, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

300'

## 16. NO. OF ACRES IN LEASE

760.00

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1300'

## 19. PROPOSED DEPTH

7275'

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6124' GL

DRILLING OPERATIONS AUTHORIZED ARE

SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS AND CEMENTING PROGRAM"

## 22. APPROX. DATE WORK WILL START\*

September 1, 1983

## 23.

This 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
13-3/4"	10-3/4"	32.75#, H-40	200'	165 cu.ft. (Circulate to surface)
9-7/8"	7-5/8"	26.40#, K-55	4830'	Stg 1: 214 cu.ft. (Cvr Cliff House)
6-3/4"	5-1/2"	15.5# & 17.0#, K-55	7275'	Stg 2: 496 cu.ft. (Cvr Ojo Alamo)
				370 cu.ft.

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1313'.

Top of Pictured Cliffs sand is at 2580'.

Fresh water mud will be used to drill from surface to intermediate total depth and  
an air system will be used from intermediate total depth to total depth.It is anticipated that an IES log will be run from intermediate total depth to surface  
casing, a GR-Density log will be run from intermediate total depth to 2000', and  
a GR-Induction and GR-Density logs will be run from total depth to intermediate TD.

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

It is expected that this well will be drilled before September 30, 1983.

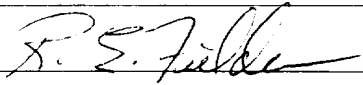
This depends on time required for approvals, rig availability and the weather.

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 Engineer

DATE August 9, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

SEP 22 1983

R. Bonham  
M. MILLENBACH

AREA MANAGER

NMDC

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

Operator <b>Southland Royalty Company</b>			Lease <b>Hampton</b>		Well No. <b>4M</b>
Unit Letter <b>N</b>	Section <b>13</b>	Township <b>30N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>970</b> feet from the <b>South</b> line and <b>1680</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6124' GL</b>	Producing Formation <b>Dakota/Mesaverde</b>		Pool <b>Basin/Blanco</b>		Dedicated Acreage <b>320 312.55</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

FEE		SF-078198	
FEE		Sec	
FEE		13	
1680'	SF-078198	970'	SF-078144

Scale: 1"=1000'

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  
**August 9, 1983**

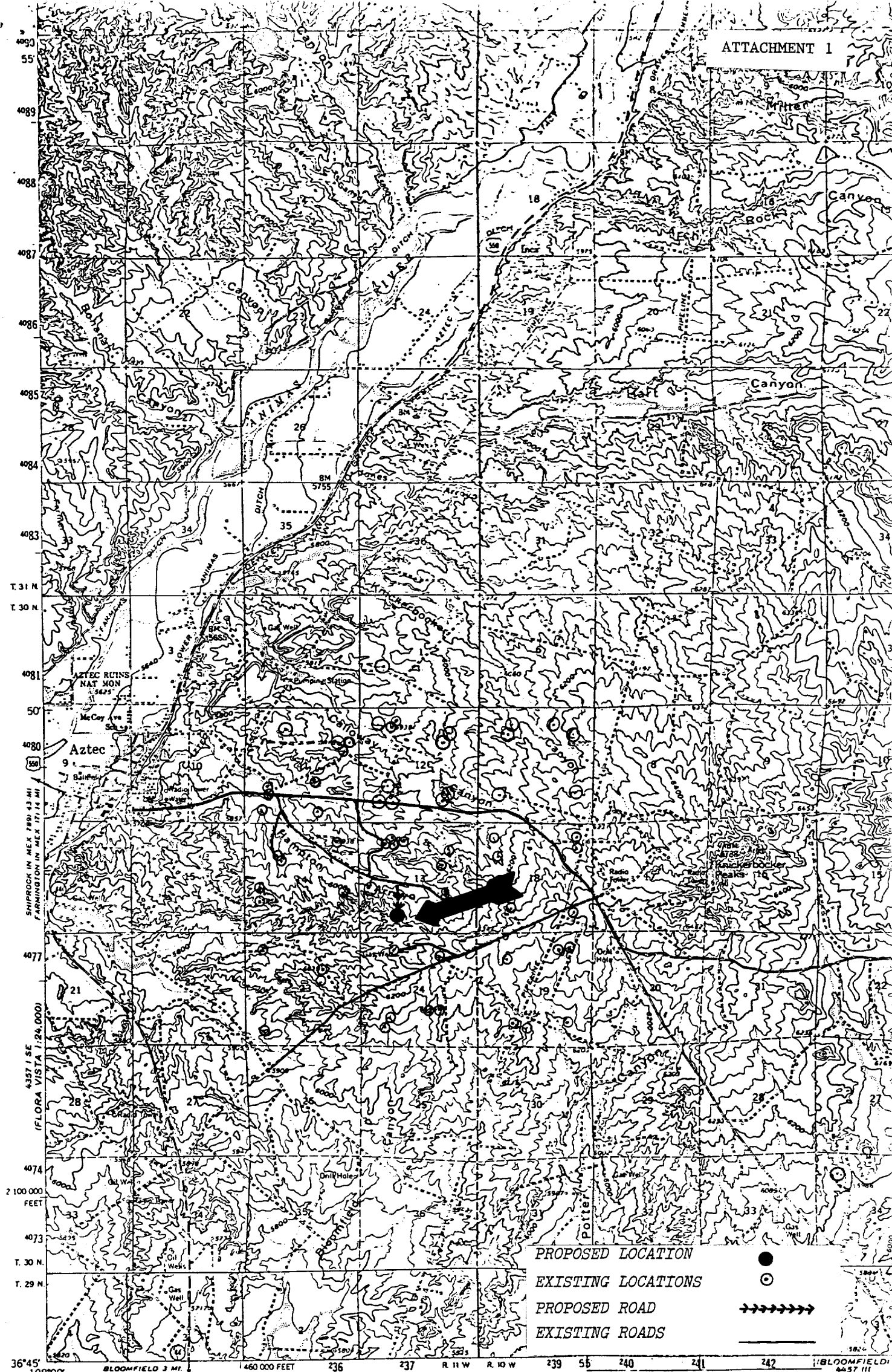
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**Reissue Plat-February 7, 1983**

Registered Professional Engineer and Land Surveyor.

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

Certificate No. **3950**

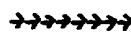


PROPOSED LOCATION

EXISTING LOCATIONS

PROPOSED ROAD

EXISTING ROADS



SCALE 1:62500

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetry

photographs taken 1955. Field

Polyconic projection. 1927 N

10,000 foot grid based on Nev

west zone

1000 meter Universal Transverse Mercator grid ticks,

zone 13 shown in blue

Red tint indicates area in which only landmark buildings are shown

Vicinity Map for  
SOUTHLAND ROYALTY COMPANY #4M HAMPTON  
970' FSL 1680' FWL Sec. 13-T30N-R11W  
SAN JUAN COUNTY, NEW MEXICO

UTM GRID AND 1973 MAGNETIC NORTH

THIS MAP COMPLETES WITH NATIONAL MAP

535' 11" NE  
ORN CANYON  
1:24,000