

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 87401

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

At surface
1520' FNL & 1830' FEL

At proposed productive zone

Same as above

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

25 miles Northwest of Lindrith, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, ET.

CAUSE TO DISTANCE 1830' 2560'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST TOWN OR POST OFFICE, DISTANCE
OR APPROX. FOR ON THIS MAP, ET.

1000'

8325'

21. ELEVATIONS (Show whether DE, RT, OR, etc.)

7161' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	32.75#	200'	165 cu.ft. (circ. to surface)
9-5/8"	7-5/8"	26.40#	4200'	677 cu.ft. (cover Ojo Alamo)
6-3/4"	5-1/2"	15.50#	4050'-8325'	677 cu.ft. (circ. liner)

Surface formation is San Jose.

Top of Ojo Alamo sand is at 1820'.

Top of Pictured Cliffs sand is at 3914'.

Fresh water mud will be used to drill from surface to intermediate total depth and gas system will be used from intermediate total depth to total depth.

It is anticipated that an GR-Induction and GR-Density will be run from total depth to intermediate casing point.

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

It is expected that this well will be drilled before December 1, 1981.

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

Gas is dedicated.

19. 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. Fielder

TITLE

District Engineer

DATE

August 17, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DATE
AS AMENDED

SEP 09 1981

Dean Elliott
For JAMES F. SIMS
DISTRICT ENGINEER

NMOC

30-039-22818

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla #101

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla 101

9. WELL NO.

7-M

10. FIELD AND FORECASTER WILDCAT

Basin Dakota

Blanco Mesa Verde

11. SEC. T. R. N. OR BLK.
AND SURVEY OR AREA

Section 12, T26N, R4W

12. COUNTY OR PARISH

Rio Arriba New Mexico

17. NO. OF WELLS ASSIGNED

TO THIS WELL

E 320

20. NO. OF CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START

October 1, 1981



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

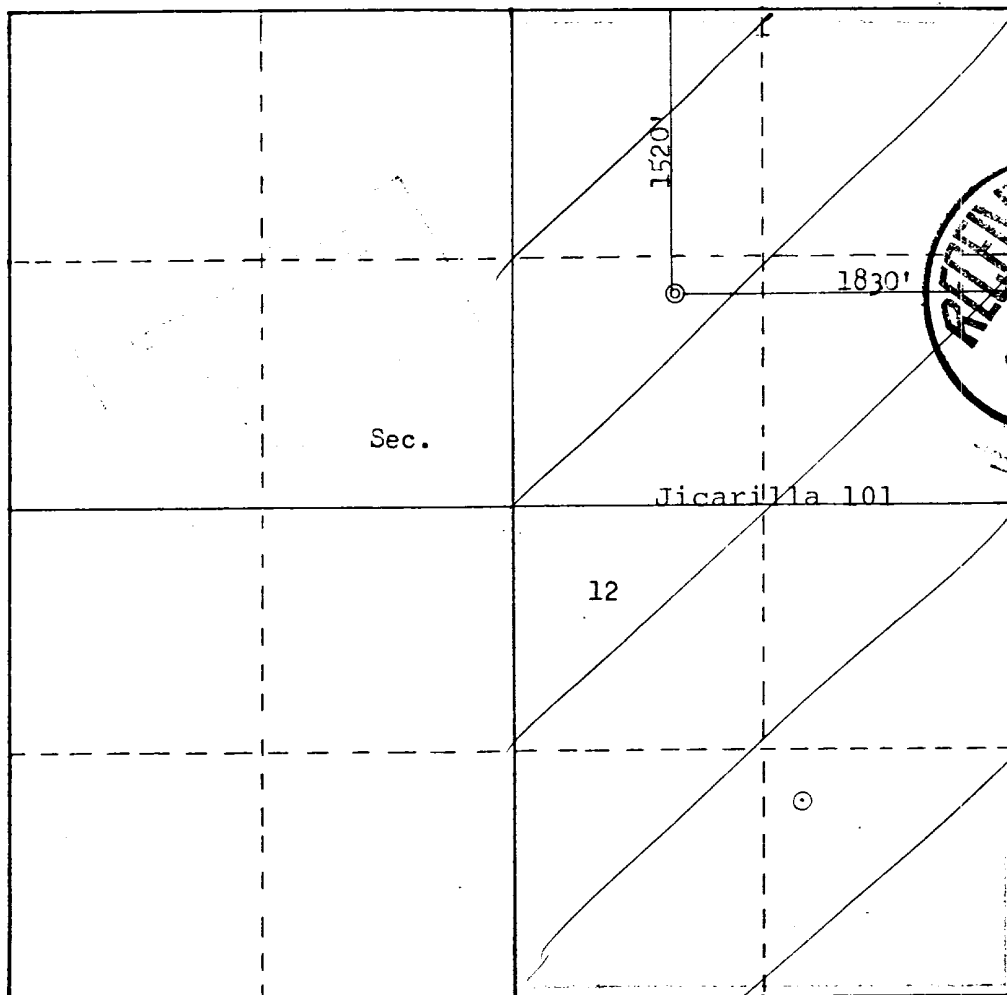
Operator SOUTHLAND ROYALTY COMPANY			Lease JICARILLA 101		Well No. 7M
Unit Letter G	Section 12	Township 26N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1520 feet from the North line and 1830 feet from the East line					
Ground Level Elev: 7161	Producing Formation Dakota/Mesa Verde		Pool Basin/Blanco		Dedicated Acreage: 320 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 _____

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.



Scale: 1"=1000'

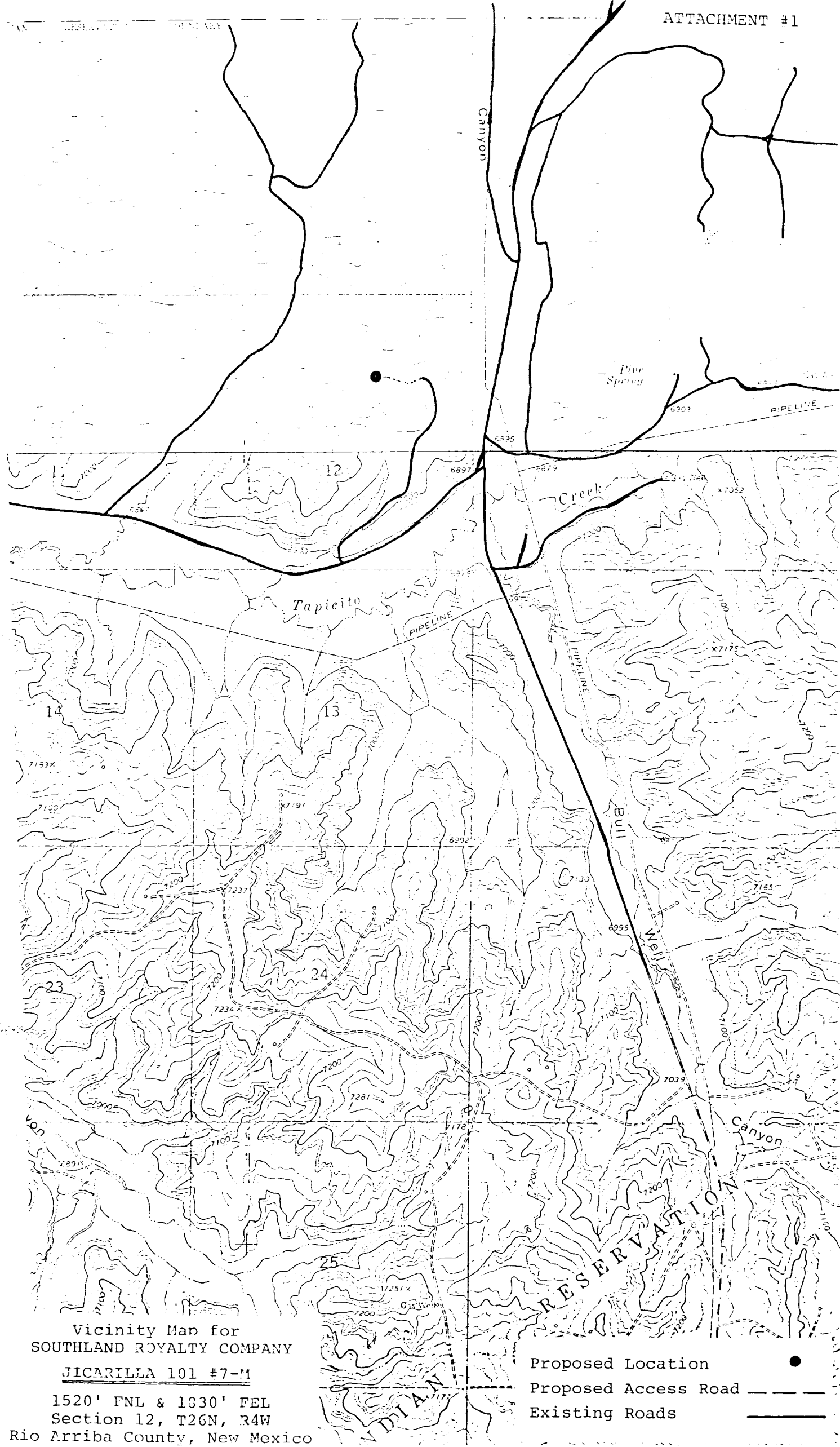
CERTIFICATION

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

Name **Robert E. Fielder**
Position **District Engineer**
Company **Southland Royalty Company**
Date **August 17, 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 **January 8, 1981**
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**



Vicinity Map for
SOUTHLAND ROYALTY COMPANY

JICARILLA 101 #7-M

1520' FNL & 1330' FEL
Section 12, T26N, R4W
Rio Arriba County, New Mexico

Proposed Location ●
Proposed Access Road - - - -
Existing Roads —————