

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-045-24589
5. LEASE DESIGNATION AND SERIAL NO.
NM-2995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Burnt Mesa

9. WELL NO.

#3

10. FIELD AND POOL, OR WILDCAT

So. Los Pinos Frt.-PC

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

Section 26, T32N, R7W

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, NM 87401

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

At surface

1030' FSL & 1000' FWL
At proposed prod. zone

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

14 miles SE of Ignacio, CO.

15. DISTANCE FROM PROPOSED*

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

1000'

16. NO. OF ACRES IN LEASE

480.00

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

200'

19. PROPOSED DEPTH

3904'

20. ROTARY OR CABLE TOOLS

Rotary

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

6757' GR

22. APPROX. DATE WORK WILL START*

July 15, 1980

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'	85 sacks
7 7/8"	4 1/2"	10.5#	3904'	528 sacks

Surface formation is San Jose.

Top of Ojo Alamo sand is at 1659'.

Top of Pictured Cliffs sand is at 3679'.

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

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

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

It is expected that this well will be in operations before September 30, 1980. This depends on time required for approval to compliance with 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 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 6-20-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

ak Zue

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.

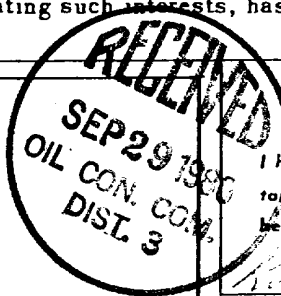
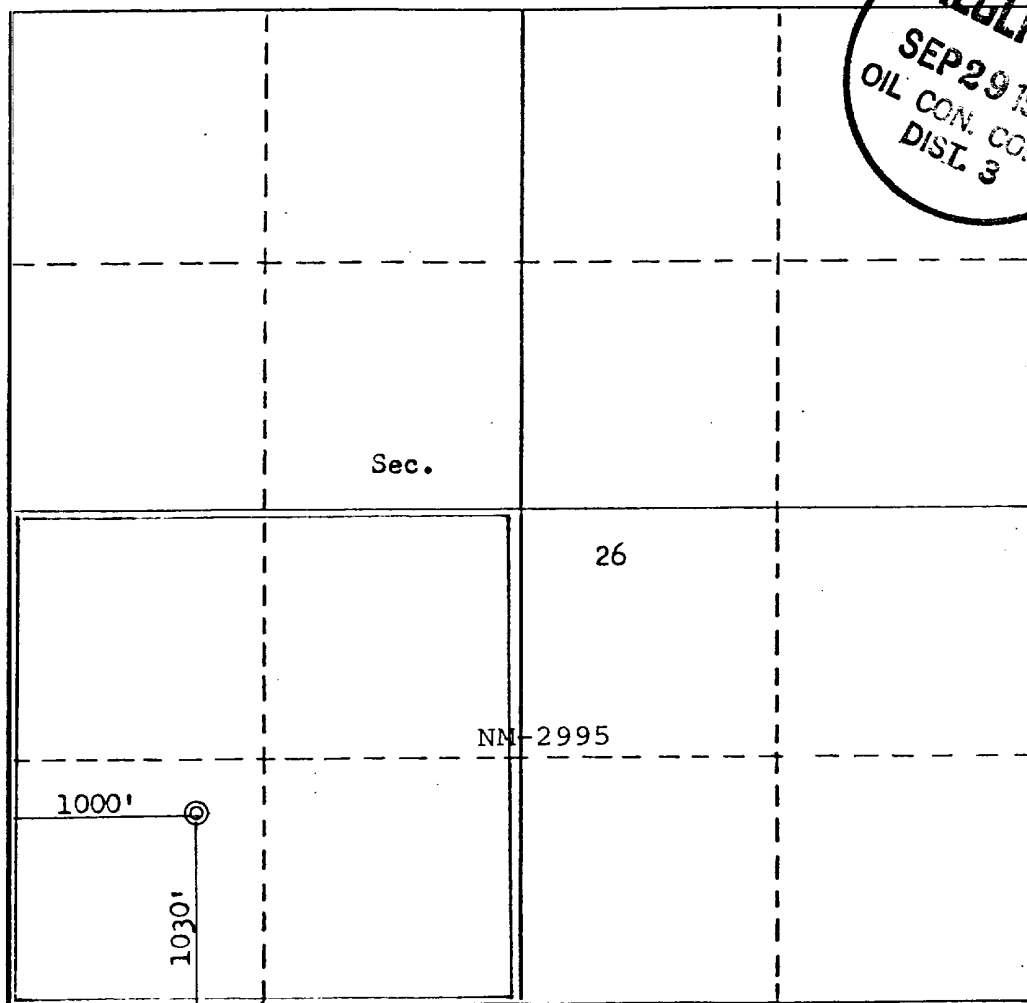
Operator SOUTHLAND ROYALTY COMPANY			Lease BURNT MESA		Well No. 3
Unit Letter M	Section 26	Township 32N	Range 7W	County San Juan	
Actual Footage Location of Well: 1030 feet from the South line and 1000 feet from the West line					
Ground Level Elev. 6757	Producing Formation Pictured Cliffs	Pool So. Los Pinos Fruitland	Dedicated Acreage: 160		Acre

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.



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

June 19, 1980

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 20, 1980

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr, Jr.

Certificate No.

3950

SOUTHLAND ROYALTY COMPANY - DRILLING SCHEDULE

B U R N T M E S A # 3

1030' FSL & 1000' FWL

Section 26, T32N, R7W

San Juan County, NM

Field: So. Los Pinos Fruitland-Pictured Cliffs Elev: 6757' GR

Geology: Formation Tops

Ojo Alamo	1659'	Pictured Cliffs	3679'
Kirtland	2952'	Total Depth	3904'
Fruitland	3299'		

Logging Program: IES and GR-Density at Total Depth.

<u>Drilling:</u> Contractor:	Tool Pusher:
	SRC Answering Svc: 325-1841
SRC Representative:	SRC Dispatch No: 325-7391

Mud Program: Fresh water mud to Total Depth. Mud up as necessary to control tight hole problems.

Materials: Casing Program

<u>Hole Size</u>	<u>Depth</u>	<u>Casing Size</u>	<u>Wt. & Grade</u>
12 1/4"	120'	8 5/8"	24# H-40
7 7/8"	3904'	4 1/2"	10.5# K-55

Float Equipment:

8 5/8" surface casing: Pathfinder type "A" guide shoe.

4 1/2" Production casing: Pathfinder type "A" guide shoe and self-fill insert flapper type float valve. Five bow type centralizers. Run float one joint off bottom. (40' minimum.) Run centralizers every other joint above shoe.

Wellhead Equipment: Larkin or Rector screwed type 2000 psi casinghead and tubinghead.

Cementing Program:

8 5/8" surface casing: 85 sacks (100.3 cu. ft.) of class B with 1/4# gel flake per sack and 3% CaCl. (100% excess to circulate.)

4 1/2" production casing: 478 sacks 50/50 Poz with 6% gel. Mix with 7.2 gallons water per sack to weigh 12.85 ppg. Tail in with 50 sacks class B. (747 cu. ft. - volume is 50% excess to cover Ojo Alamo.)

L. O. Van Ryan
District Production Manager



Southland Royalty Company

June 20, 1980

United States Geological Survey
Mr. James F. Sims
District Oil and Gas Supervisor
P. O. Box 959
Farmington, NM 87401

Dear Mr. Sims:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Burnt Mesa #3 well.

The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid, and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

There will be no camps or airstrips.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks.

Water supply for this well will be The Pine River .

The terrain is rolling hills with sagebrush. The location will be restored according the Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Ross Lankford will be Southland Royalty Company's field representative supervising these operations. Either he or myself may be reached anytime at 325-7391.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Robert E. Fielder
District Engineer

REF/ke



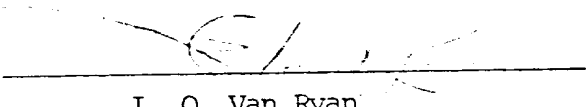
Southland Royalty Company

United States Geological Survey
Mr. James Sims
P. O. Box 595
Farmington, NM 87401

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 6-20-80



L. O. Van Ryan
District Production Manager

LOVR/ke



Southland Royalty Company

June 20, 1980

United States Geological Survey
Mr. James F. Sims
District Oil and Gas Supervisor
P. O. Box 959
Farmington, NM 87401

RE: Blowout Preventer Plan

Dear Mr. Sims:

All drilling and completion rigs will be equipped with 8" or larger double hydraulic blowout preventers and a hydraulic closing unit with steel lines.

The preventer is 3000# working pressure and 6000# test pressure.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested frequently enough to insure proper operation.

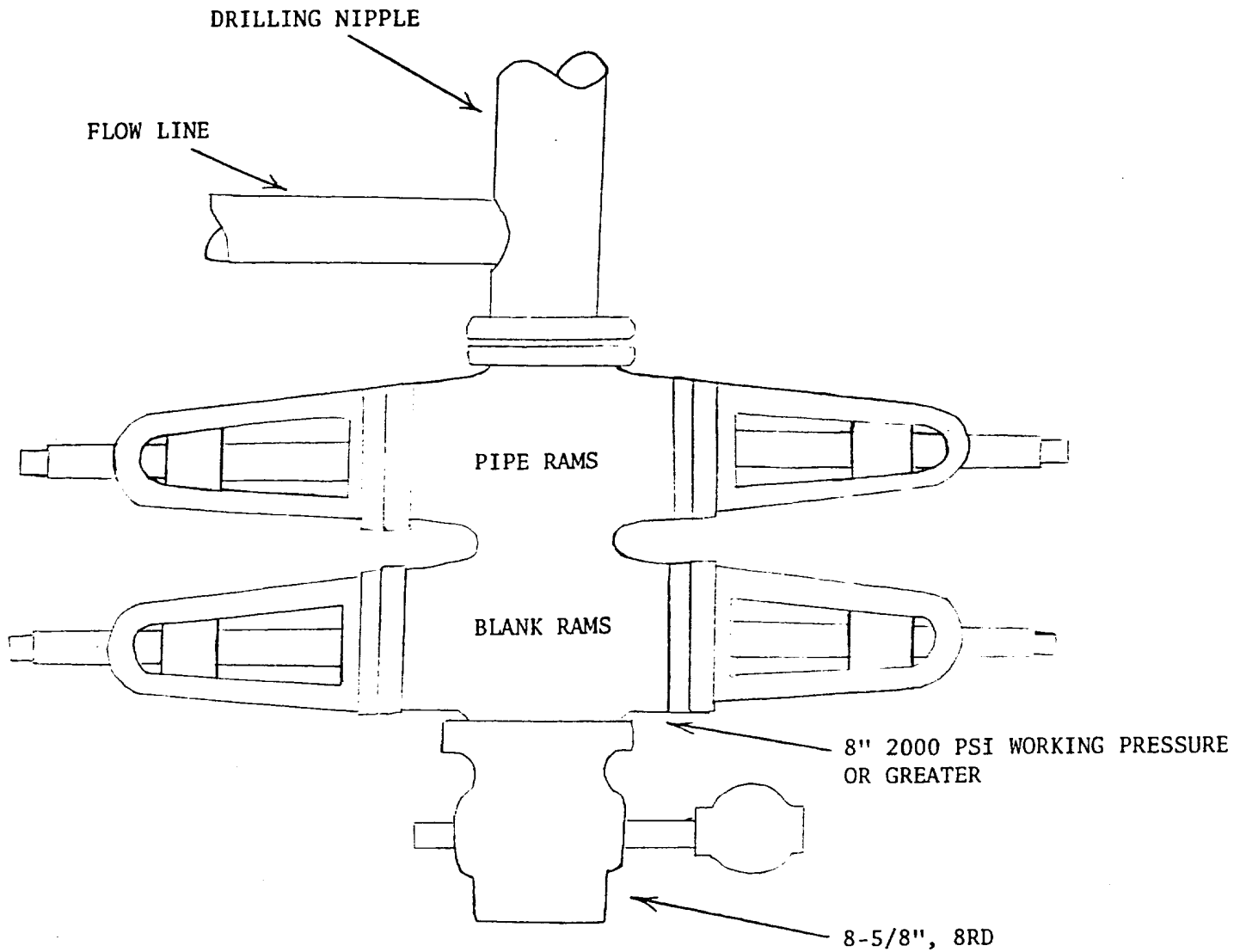
Sincerely,

SOUTHLAND ROYALTY COMPANY

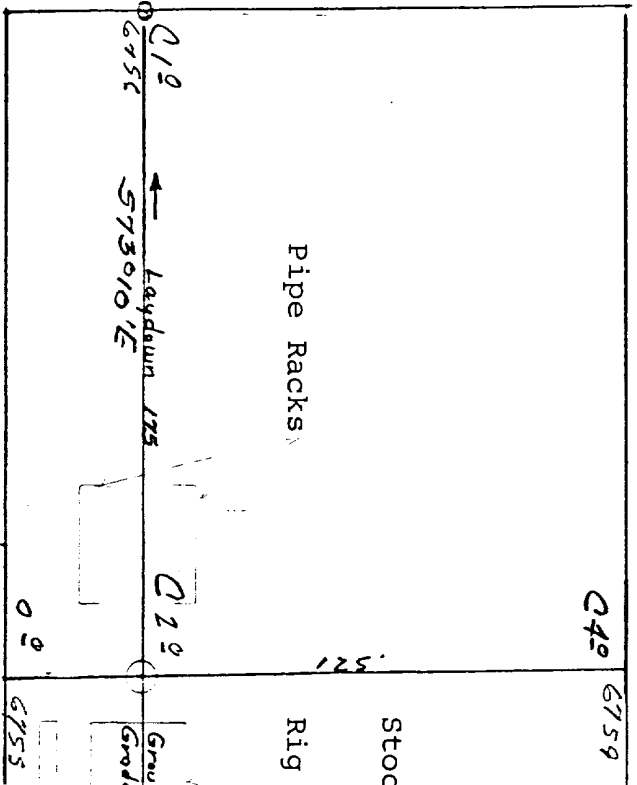
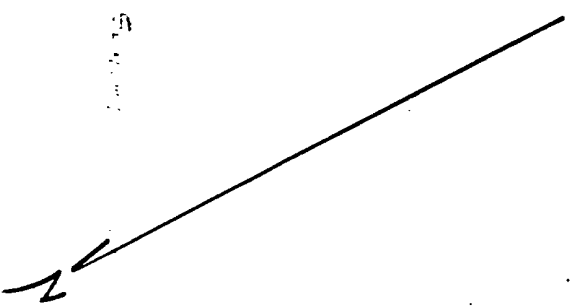
Robert E. Fielder
District Engineer

REF/ke

Southland Royalty Company
Burnt Mesa #3



PREVENTERS AND SPOOLS ARE TO HAVE
THROUGH BORE OF 8" - 2000# OR LARGER



Vert. 1"=40'

A. H. & Horiz. 1"=100'

6760				
6750				
6740				

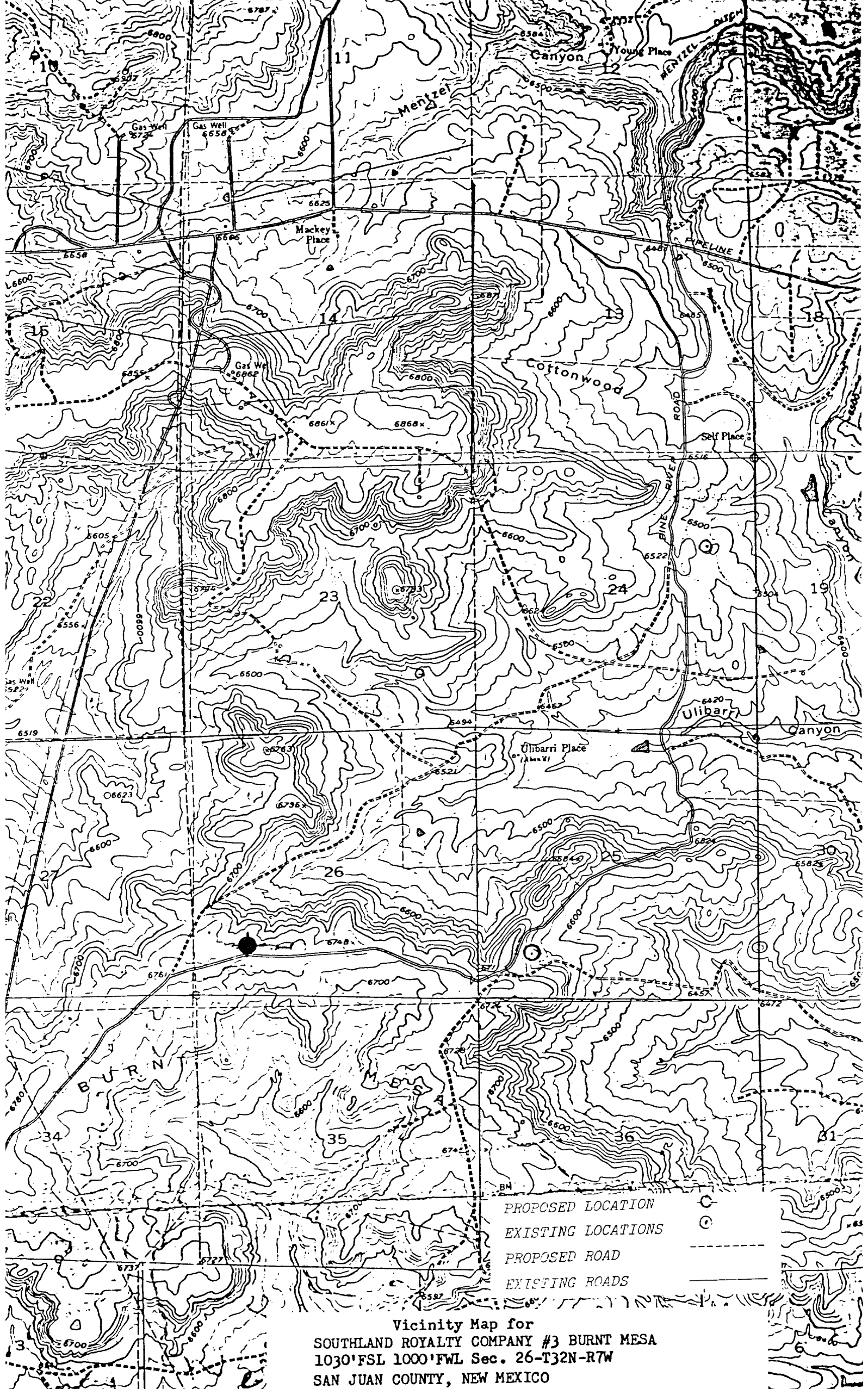
6760				
6750				
6740				

Reserve

Rt

F100

x 6745



Vicinity Map for
SOUTHLAND ROYALTY COMPANY #3 BURNT MESA
1030' FSL 1000' FWL Sec. 26-T32N-R7W
SAN JUAN COUNTY, NEW MEXICO

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 ☒ other ☐
well well

2. NAME OF OPERATOR
Southland Royalty Company

3. ADDRESS OF OPERATOR
P.O. Drawer 570, Farmington, N.M. 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1030' FSL & 1000' 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: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Spud and Casing Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. LEASE
NM-2995

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Burnt Mesa

9. WELL NO.
3

10. FIELD OR WILDCAT NAME
So. Los Pino Frt-P.C.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 26, T32N, R7W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6757' GR

(NOTE: Report results of multiple completion or 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.)*

12/12/80 Spudded 12-1/4" surface hole at 12:01 A.M. 12-12-80 and drilled to a Total Depth of 188'. Ran 4 joints (172.57') of 8-5/8", 24#, H-40 casing set at 184'. Cemented with 110 sacks of Class "B" Neat with 1/4# cello flake per sack and 3% CaCl₂. Plug down at 9:30 A.M. 12-12-80. Cement circulated to surface.

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

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

SIGNED Catherine Stegeman TITLE Drilling Clerk DATE December 15, 1980

ACCEPTED FOR RECORD

(This space for Federal or State office use)

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

DEC 22 1980

BY BW FARMINGTON DISTRICT

*See Instructions on Reverse Side

NMCCC