

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

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

At surface

910' FSL & 1460' FEL ✓

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

S / 320 ✓

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

19. PROPOSED DEPTH

4987'

20. ROTARY OR CABLE TOOLS

Rotary

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

5806' GR

22. APPROX. DATE WORK WILL START*

January 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"	9-5/8"	36#	200'	130 cu. ft.
8-3/4"	7"	20#	2679'	364 cu. ft.
6-1/4"	4-1/2"	10.50#	2529'-4969'	424 cu. ft.
	2-3/8"	4.7#	4800'	

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1083'.

Top of Pictured Cliffs sand is at 2397'.

Fresh mud will be used to drill to intermediate casing point.

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

It is anticipated that a Gamma Ray Induction and a Gamma Ray Density
log be run at total depth and intermediate casing point.

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

It is expected that this well be drilled before April 1, 1978. This
depends on time required for approval, 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

Dist. Production Manager

DATE

January 13, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION CO.
1000 RIO BRAZOS RD.
AZTEC, NEW MEXICO 87410

DATE

*See Instructions On Reverse Side

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.

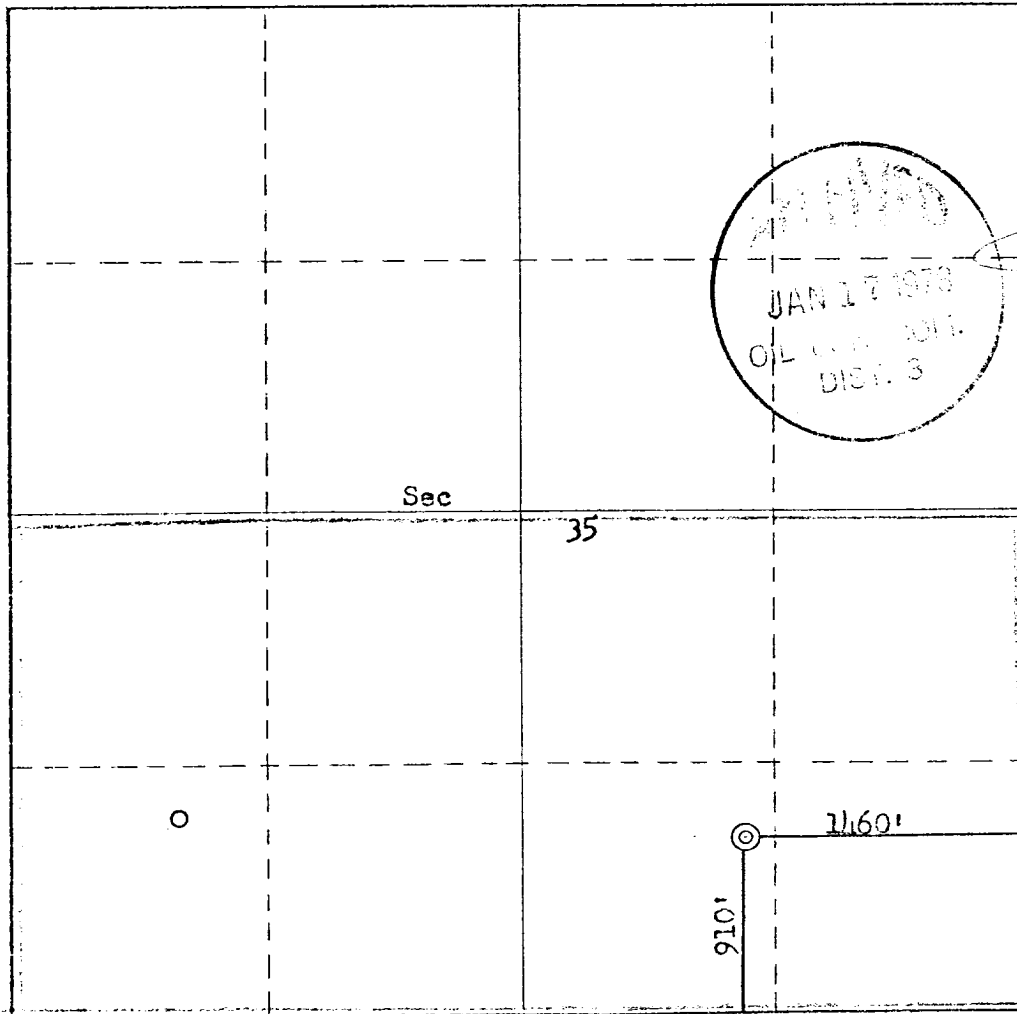
Operator SOUTHLAND ROYALTY COMPANY			Lease F. J. Titt		Well No. 2A
Unit Letter 0	Section 35	Township 31N	Range 11W	County San Juan	
Actual Postage Location of Well:					
210	feet from the South	line and	1460	feet from the East	line
Section Survey Elev. 5806	Producing Formation Mesa Verde	Pool Blanco	Dedicated Acreage: 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.

Name: *[Signature]*
Position: **Dist. Production Mgr.**
Company: **Southland Royalty Company**
Date: **January 13, 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: **December 15, 1977**
Registered Professional Engineer and/or Land Surveyor: *[Signature]*
Fred B. Kerr Jr.
Certificate No.: **3950**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



Southland Royalty Company

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

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 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: January 13, 1978

Name: Curtis C. Parsons
Title: District Engineer



Southland Royalty Company

January 13, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 6" or larger double gate hydraulic blowout preventers and a Hydraulic operated closing unit with steel lines.

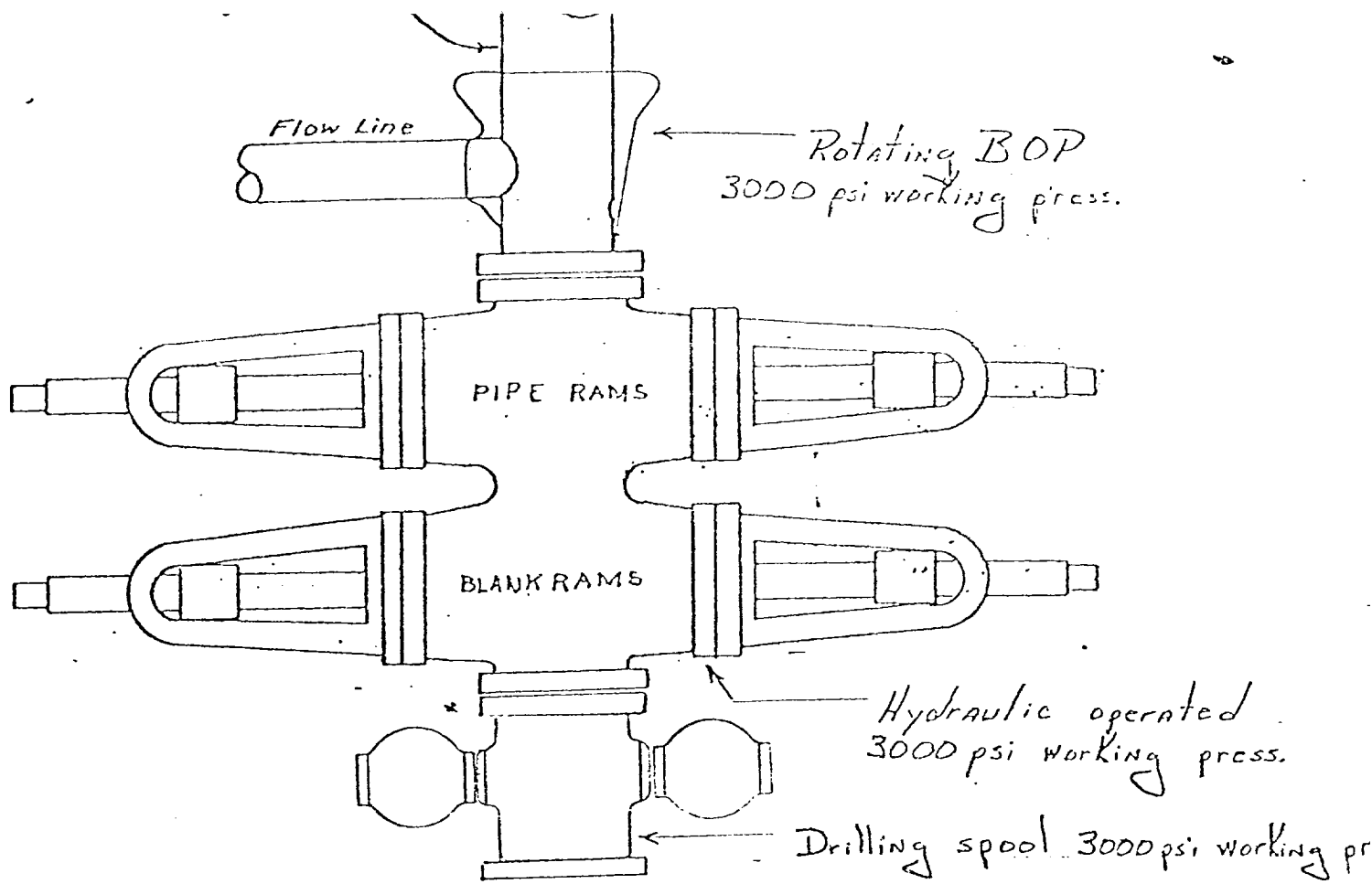
The preventer is 3000# working pressure and 6000# test.

All crews will be thoroughly trained in the operation of this preventer. The preventer will be tested at the beginning of every tower change to insure proper operation.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg



Preventers and spools are to have
through bore of 6" - 3000# PSI or larger.



Southland Royalty Company

January 13, 1978

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87410

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find map showing existing roads and planned access roads to Southland Royalty Company's F. J. Titt #2A 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 air strips.

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

Water supply will be Animas Ditch.

The location will be restored according to Bureau of Land Management standards. This work will begin when all related construction is finished.

Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly

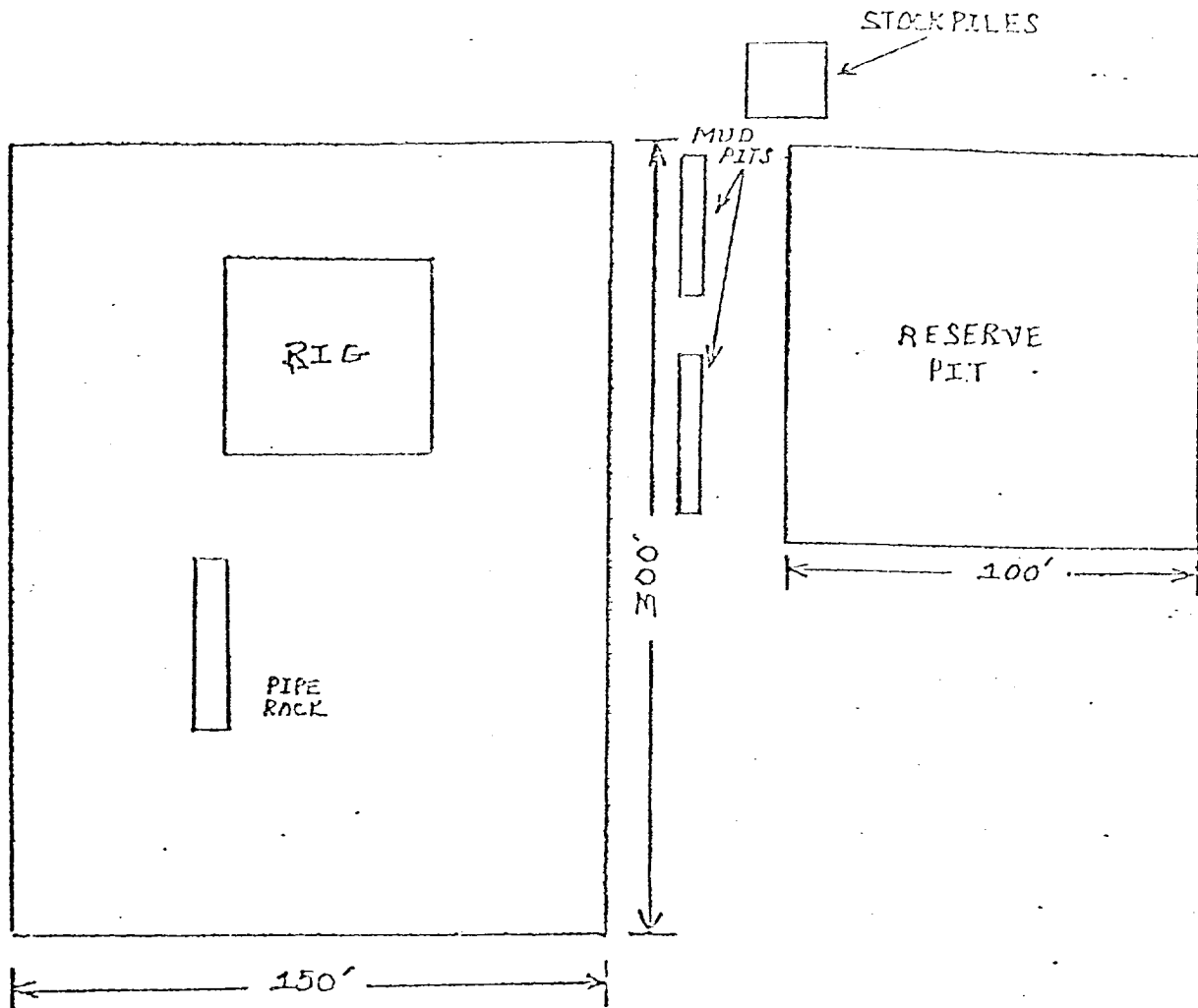
SOUTHLAND ROYALTY COMPANY

L. O. Van Ryan
District Production Manager

LOVR/dg

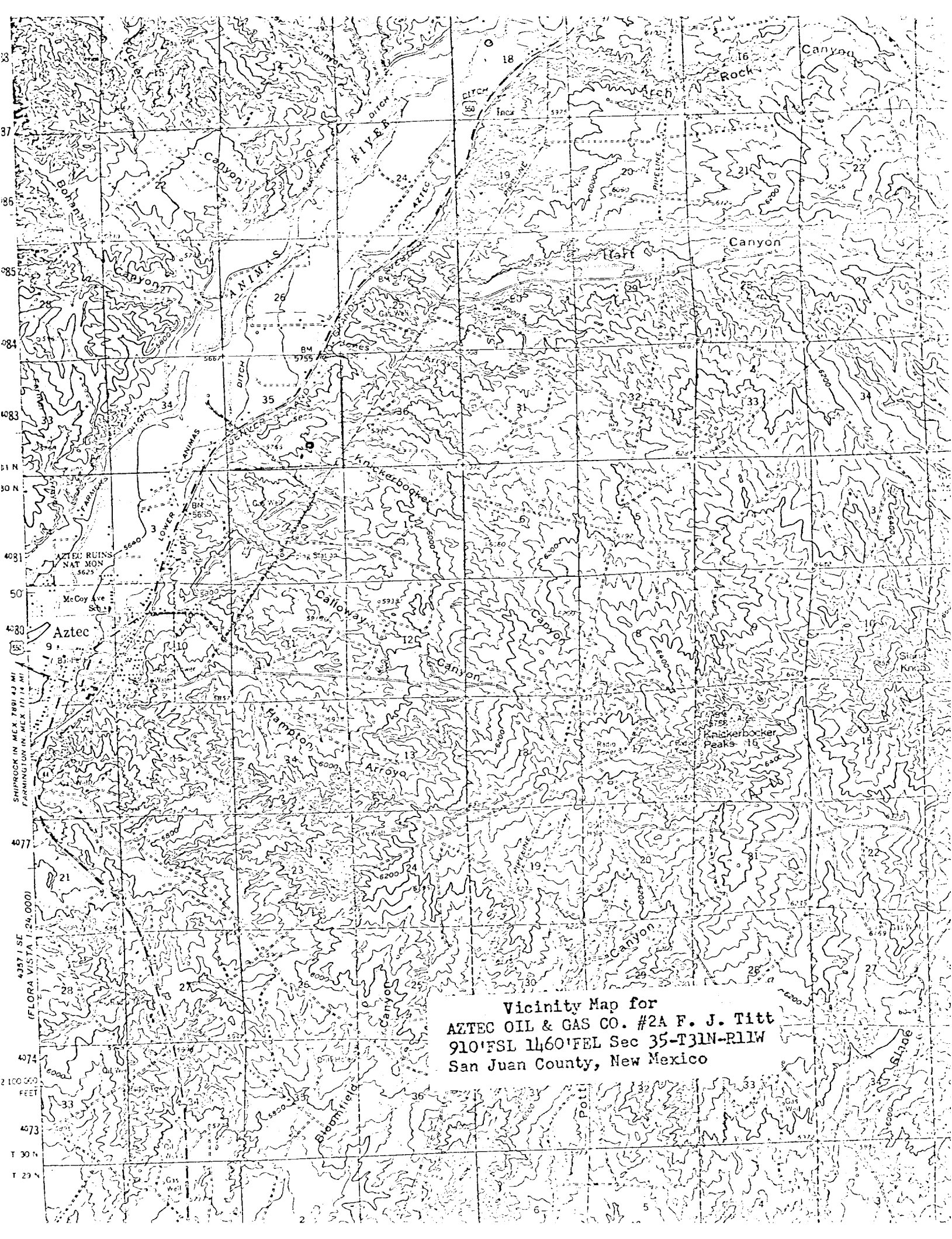
PIT
25'

LOCATION LAYOUT



PARKING AREA

CUT REQUIRED FOR ABOVE
LOCATION: 8'



Vicinity Map for
AZTEC OIL & GAS CO. #2A F. J. Titt
910'FSL 1460'FEL Sec 35-T31N-R11W
San Juan County, New Mexico