

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  
JOHN E. SCHALK

3. ADDRESS OF OPERATOR  
P.O. BOX 25825, ALBUQUERQUE, NM 87125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface ☒ 610' FSL, 660' FSL, SEC 23, T-29N, R-4W  
At proposed prod. zone ☐

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
55 Miles East of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

610'

16. NO. OF ACRES IN LEASE  
640

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.

3835'

19. PROPOSED DEPTH  
4086'

20. ROTARY OR CABLE TOOLS  
Rotary

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

7023 GR

22. APPROX. DATE WORK WILL START\*  
4/30/78

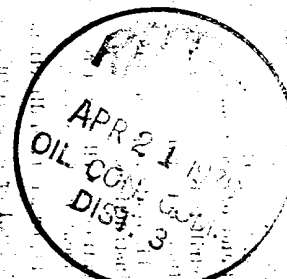
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	23#	250'	200 Sacks
7-7/8"	4-1/2"	10.5#	4086'	350 Sacks

FORMATION TOPS

OJO ALAMO 3261'  
KIRTLAND 3496'  
FRUITLAND 3636'  
PICTURED CLIFF 3886'  
TD 4086'

gas is limited



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. SIGNATURE John E. Schalk TITLE OPERATOR DATE 4-18-78

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

ok Snake Water C 204 Jim L

\*See Instructions On Reverse Side

RECEIVED  
APR 20 1978  
U.S. GEOLOGICAL SURVEY

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>JOHN E. SCHALK</b>			Lease <b>SCHALK 29-4</b>		Well No. <b>11</b>
Unit Letter <b>P</b>	Section <b>23</b>	Township <b>29 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Factage Location of Well: <b>610</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>7023</b>	Producing Formation <b>Pictured Cliff</b>	Pool <b>Choz Mesa Cxt - Gobernador</b>		Dedicated Acreage: <b>160</b>	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 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.

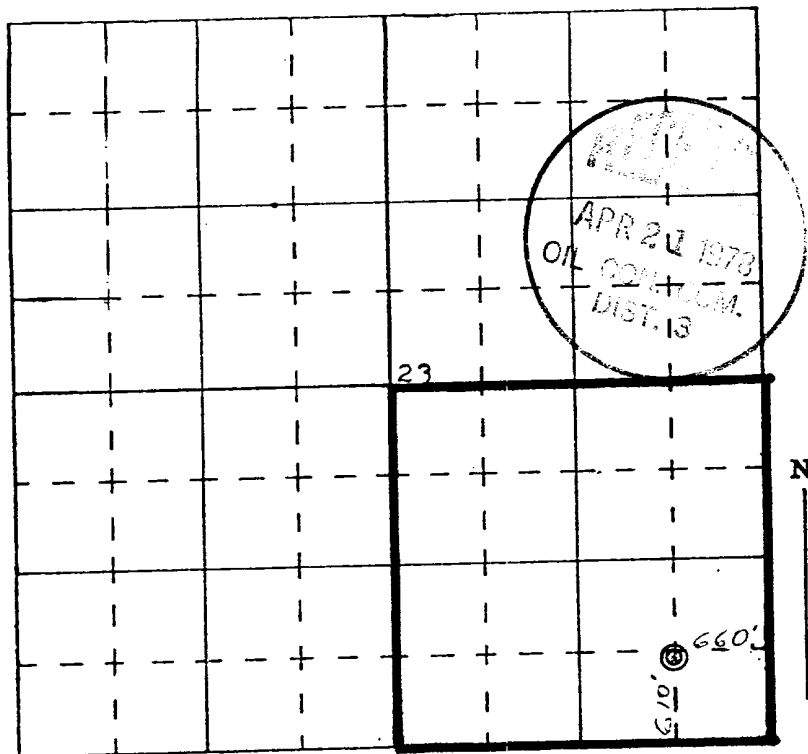
**CERTIFICATION**

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

*John E. Schalk*  
 Name  
**John E. Schalk**  
 Position  
**Operator**

Company

Date  
**4-18-78**



SCALE-4 INCHES EQUALS 1 MILE

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.

**15 April 1978**

Date Surveyed  
*James P. Leese*  
 Registered Professional Engineer  
 and/or Land Surveyor **James P. Leese**

**SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.**

Certificate No. **1463**

## Multi-Point Surface Use and Operations Plan

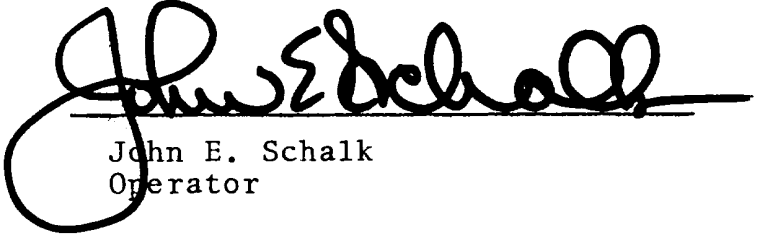
SCHALK 29-4 #11

1. Existing roads: Attached map shows existing road in section 24 running from the Northeast to the corner of the section.
2. Planned access road: Will depart from main (Existing) road and run approximately 900' Northwest to location in Section 23.
3. Location of Existing wells: None
4. Location of existing and/or proposed facilities: None.
5. Location and type of water supply: Water will be taken from a water hole 15 miles away and transported by truck to location.
6. Source of construction materials: None
7. Methods for handling waste disposal: Cuttings to be disposed of in a reserve pit; a burn pit to be used for disposal of trash, garbage, etc.; and covered on clean-up of location.
8. Ancillary facilities: None.
9. Well site layout: Per attached drawing.
10. Restoration of surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of surface. Restoration will be to the satisfaction of the United States Geological Survey.
11. This location slopes at an increase of 10' per 200' to the West. There will be approximately a 10 foot cut on the West side of the proposed location. Vegetation is sage brush, Pinon and Juniper trees. The surrounding area is comparable and any disturbances to the wild-life will be only temporary. With the restoration of surface, surface damage will be minimal.
12. Lessee's or Operator's Representative: John E. Schalk, P. O. Box 25825, Albuquerque, New Mexico, 87125; or J. D. Christesson, 2301 Southside River Road, Farmington, New Mexico 87401.

# CERTIFICATION

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 Arapahoe Drilling Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

DATE April 17, 1978

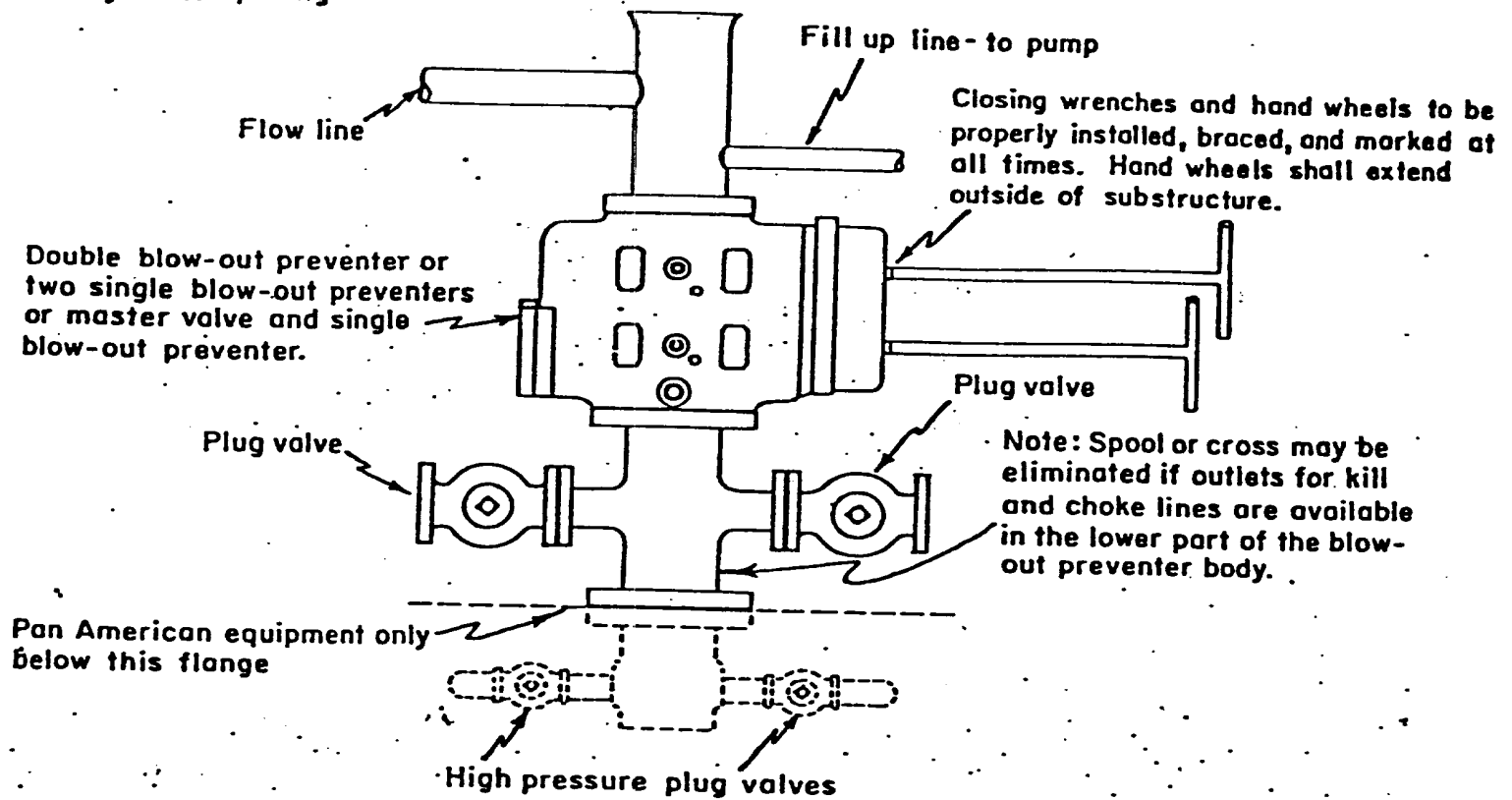


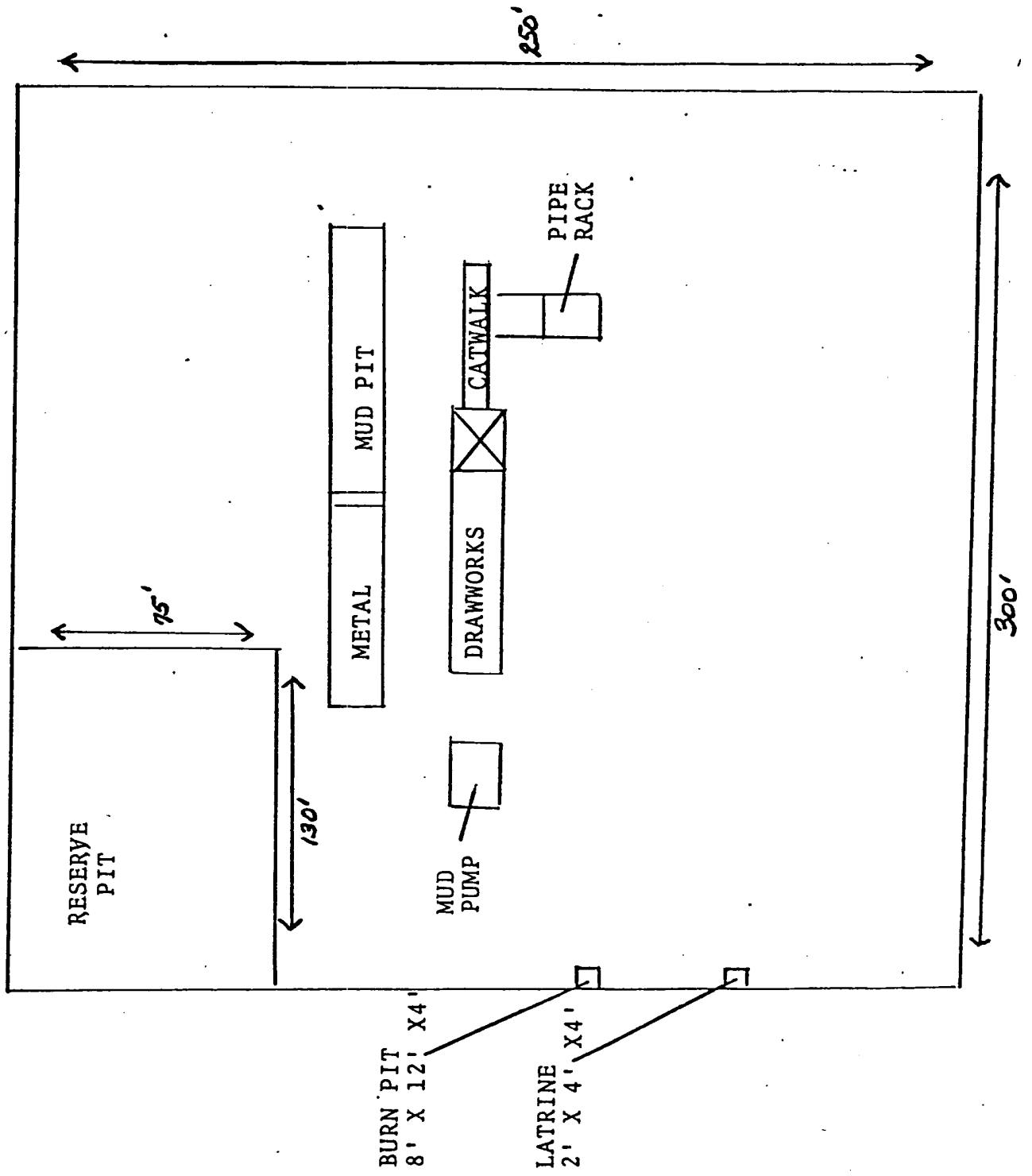
John E. Schalk  
Operator

# ARAPAHOE DRILLING CO.

## BLOW-OUT PREVENTER HOOK-UP

Drilling nipple to be so constructed that it can be removed, without use of a welder, through rotary table opening







United States Department of Agriculture  
Forest ServiceSPECIAL USE  
APPLICATION AND REPORT

Ref: FSM 2712

FOREST SERVICE USE ONLY	a. Record no. (1-2)	b. Region (3-4)	c. Forest (5-6)
	70 --	--	--
	d. District (7-8)	e. User number (9-12)	f. Kind of use (13-15)
	--	----	---
	g. State (16-17)	h. County (18-20)	i. Cord No. (21)
	--	---	1

## PART I - APPLICATION (To be completed by applicant)

Application is hereby made for a permit to use National Forest land as indicated below:

## 1. Description of land: (Attach MAP or PLAT)

A one acre plot in the Southeast/4 of Section 23, Township 29 North, Range 4 West and construct an access road right-a-way from the existing road Northwest for approximately 900' as shown on the attached map. Lease No. NM 18322.

## 2. Purpose of use.

Construction and drilling the Schalk 29-4 Well No. 11 gas well located 610' from the South Line, 660' from the East Line of Section 23, Township 29 North, Range 4 West, Rio Arriba County, New Mexico.

## 3. Land Area applied for (For Rights-of-Way show length and width and convert to acres; for other uses show acres)

Length in:  $\frac{900'}{5280}$  (Miles) or 900' (Feet)  $\times$  Width  $\frac{20'}{43560}$  (Feet) = .4 (Acres)

## 4. Improvements

## a. Description

Improvements will consist of a one acre gas well location, an access road, storage tanks, collection pits, and other paraphernalia necessary for the drilling maintenance and production of natural gas.

b. Plans attached ☐ Yes ☒ No. If "NO" show date plans will be furnished

c. Estimated cost

\$ 5,000.00

d. Construction will begin within

3

(Months)

e. Construction will be completed within

3

(Months)

Date of Application

4-18-78

Applicant name and signature

John E. Schalk  
Operator

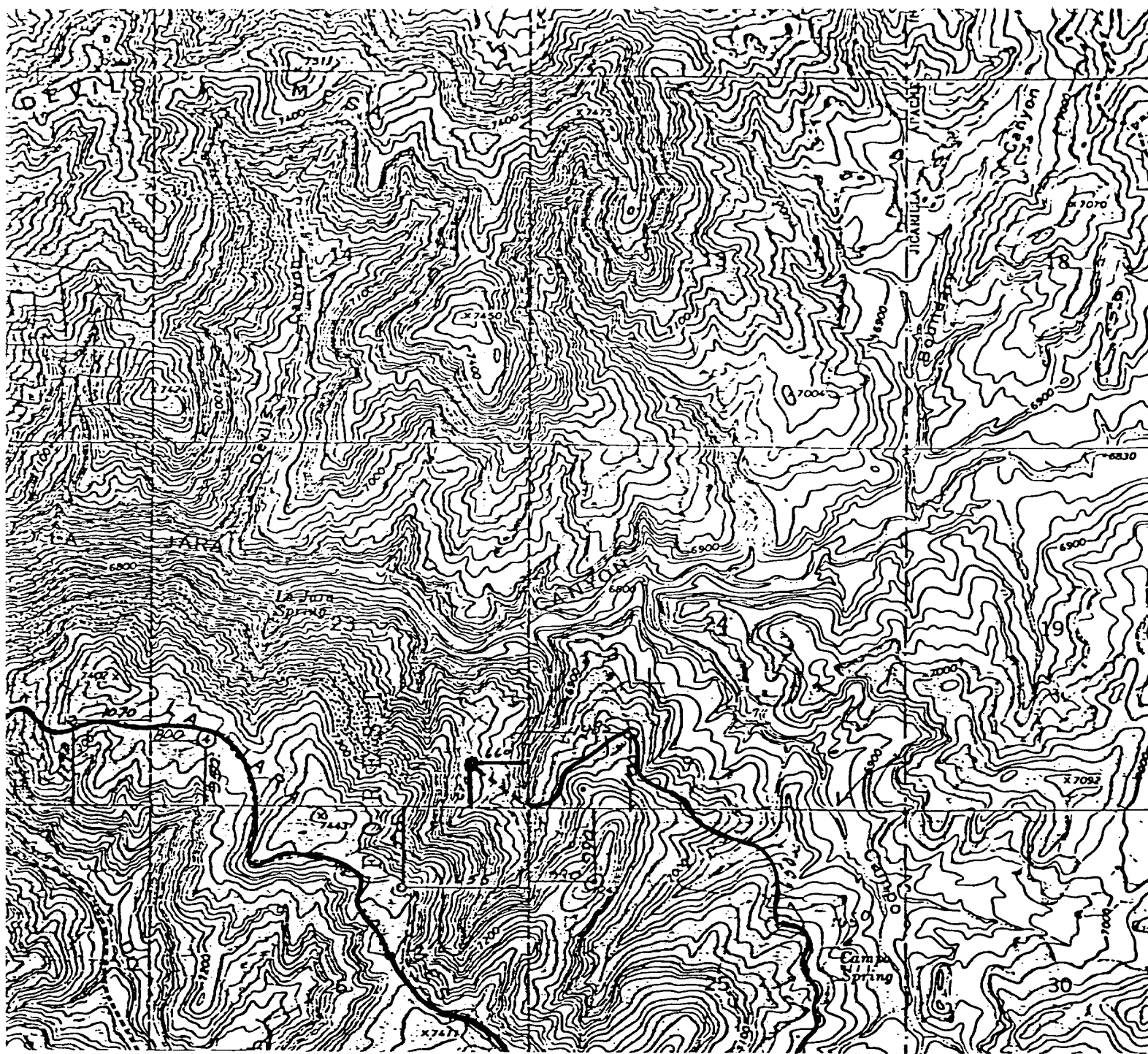
Applicant's address

P. O. Box 25825  
Albuquerque, NM  
87125  
(ZIP Code)

(OVER)

2700-3 (7/71)





Schalk 29-4 #11

Sec. 23, T-29N, R-4W  
Rio Arriba County, N. M.

———— Existing Road  
----- Proposed Road