

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-21745

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
 1080' FSL, 1130" FEL, SEC. 27, 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 drlg. unit line, if any)
 1080'

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.
 3140'

19. PROPOSED DEPTH
 4288'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7225GR

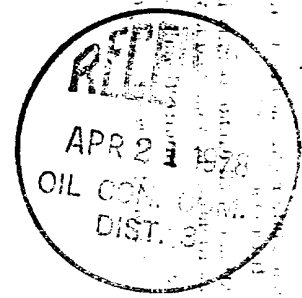
22. APPROX. DATE WORK WILL START*
 4/30/78

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#	4288'	350 Sacks

FORMATION TOPS

OJO ALAMO 3463'
 KIRTLAND 3698'
 FRUITLAND 3838'
 PICTURED CLIFF 4088'
 TD 4288'



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 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 4-19-78

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

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

All distances must be from the outer boundaries of the Section

Operator JOHN E. SCHALK		Lease SCHALK 29-4			Well No 15
Unit Letter P	Section 27	Township 29 NORTH	Range 4 WEST	County RIO ARRIBA	
Actual Footage Location of Well: 1080 feet from the SOUTH line and 1130 feet from the EAST line					
Ground Level Elev. 7225	Producing Formation Pictured Cliff		Pool Chozamesa Gobernador ext	Dedicated Acreage: 160 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, force-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

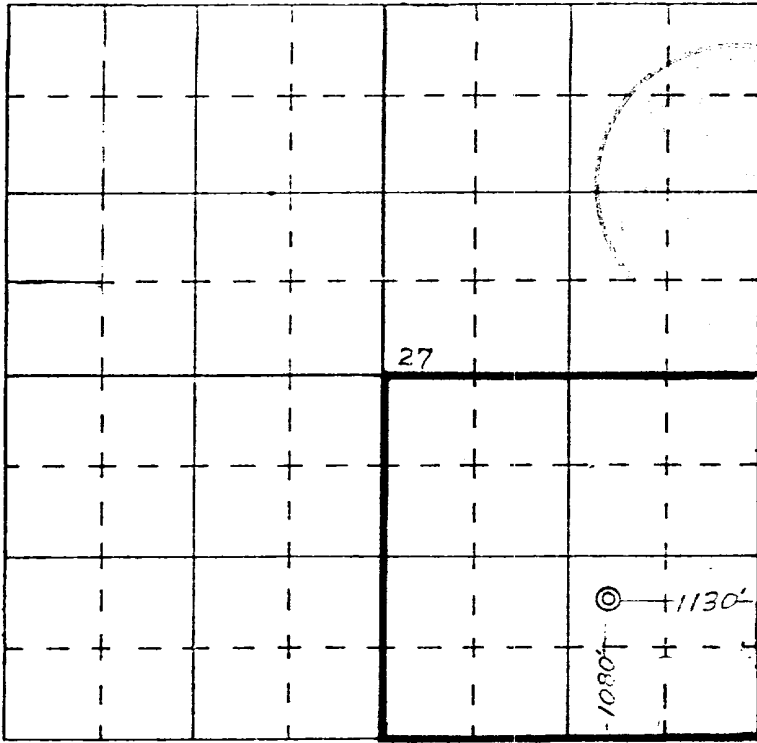
Operator
Company

Date
4-18-78

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.

14 April 1978
Date Surveyed

James P. Lease
Registered Professional Engineer
and/or Land Surveyor **James P. Lease**



SCALE—4 INCHES EQUALS 1 MILE

Multi-Point Surface Use and Operations Plan

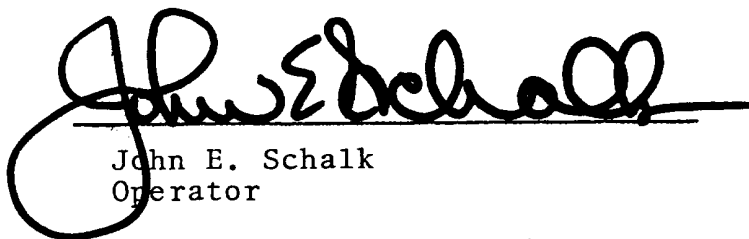
SCHALK 29-4 #15

1. Existing roads: Attached map shows existing road running from the Southwest corner, East, following contour of land, turning South just West of proposed location.
2. Planned Access road: Will depart from main (Existing)road and run 300' East to proposed sight.
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 15' per 200' to the West. There will be approximately a 15 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.

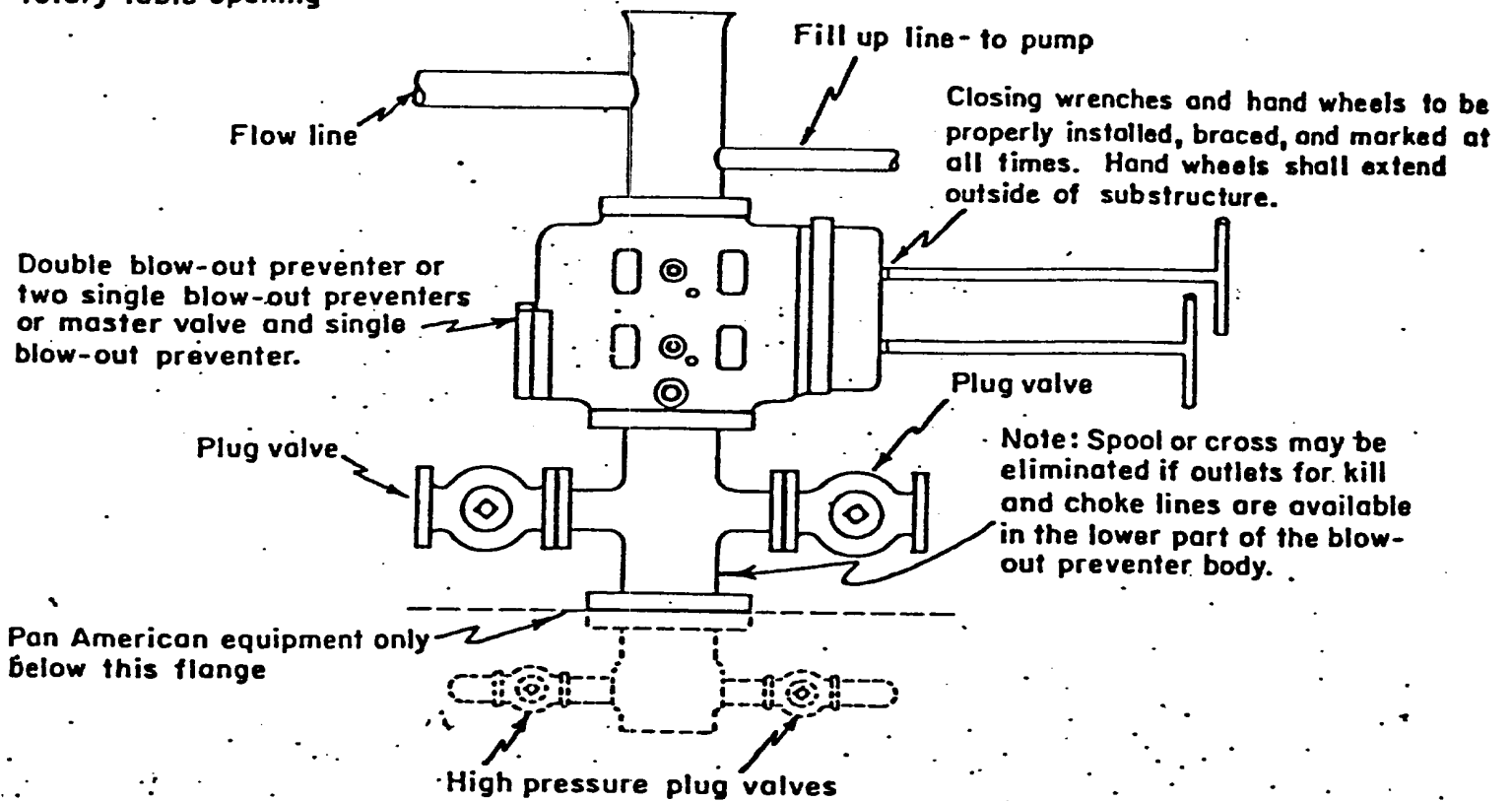
DATE April 17, 1978

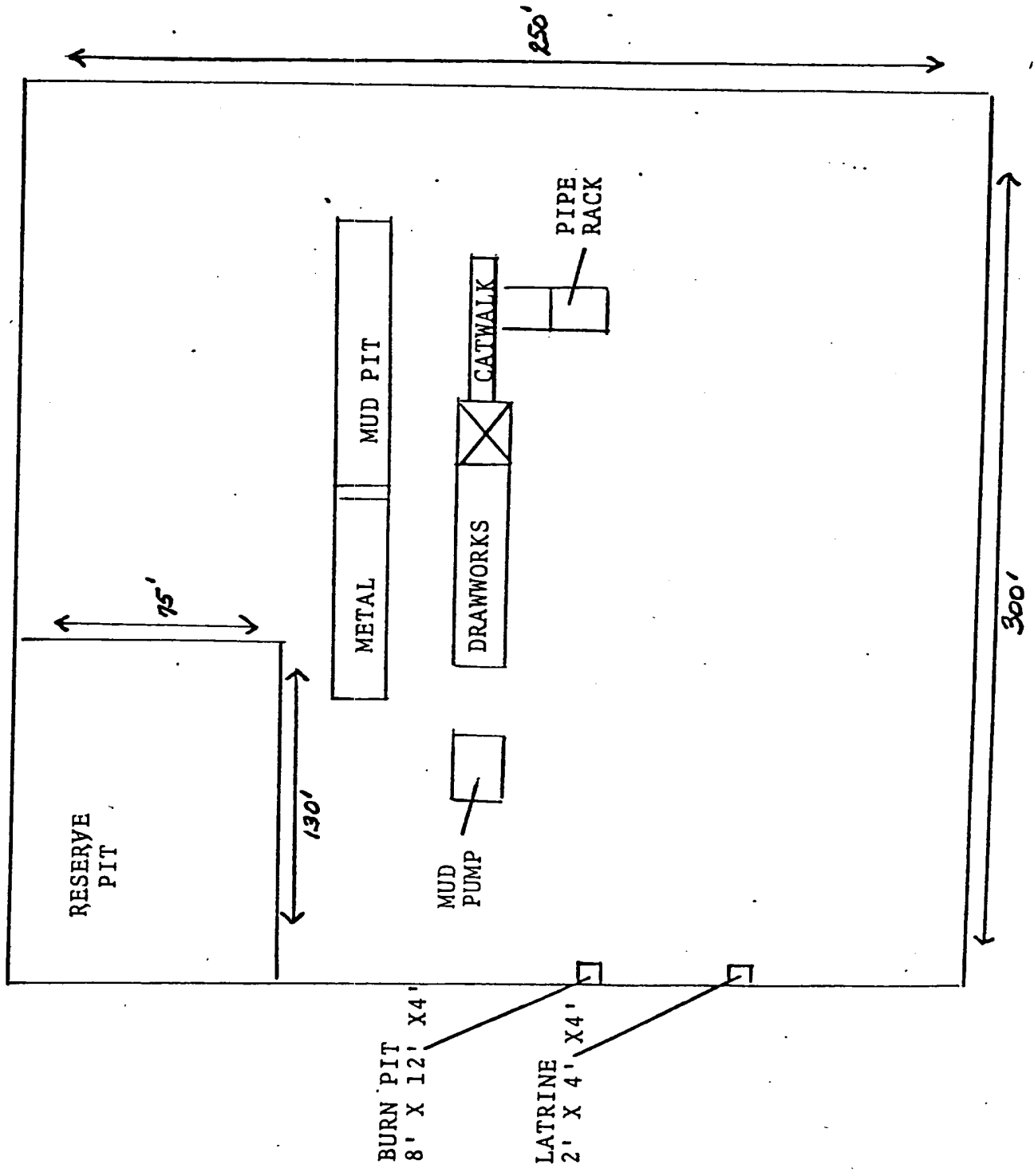

John E. Schalk
Operator

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







VICINITY MAP
John E. Schalk
Schalk #15
1080 F/S 1130 F/E
Sec. 27, T29N, R4W
Scale: 1" = 2000'

United States Department of Agriculture
Forest Service

**SPECIAL USE
APPLICATION AND REPORT**

Ref: FSM 2712

FOREST SERVICE USE ONLY	a. Record no. (1-2) <p style="text-align: center;">70</p>	b. Region (3-4) <p style="text-align: center;">--</p>	c. Forest (5-6) <p style="text-align: center;">--</p>
	d. District (7-8) <p style="text-align: center;">--</p>	e. User number (9-12) <p style="text-align: center;">----</p>	f. Kind of use (13-15) <p style="text-align: center;">---</p>
	g. State (16-17) <p style="text-align: center;">--</p>	h. County (18-20) <p style="text-align: center;">---</p>	k. Card No. (21) <p style="text-align: center;">1</p>

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 SE/4 of Section 27, Township 29 North, Range 4 West and construct an access road right-a-way from existing road North-Northeast for approximately 300' as shown on the attached map. Lease No. NM 18326.

2. Purpose of use.

Construction and drilling the Schalk 29-4 Well No. 15 gas well located 1080' from the South Line, 1130' from the East Line of Section 27, 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)


$$\text{Length in: } \frac{\text{(Miles) or } 300' \text{ (Feet)}}{\text{(Feet)}} \times \text{Width } \frac{20' \text{ (Feet)}}{\text{(Feet)}} = \frac{.1}{\text{(Acres)}}$$

4. Improvements

a. Description

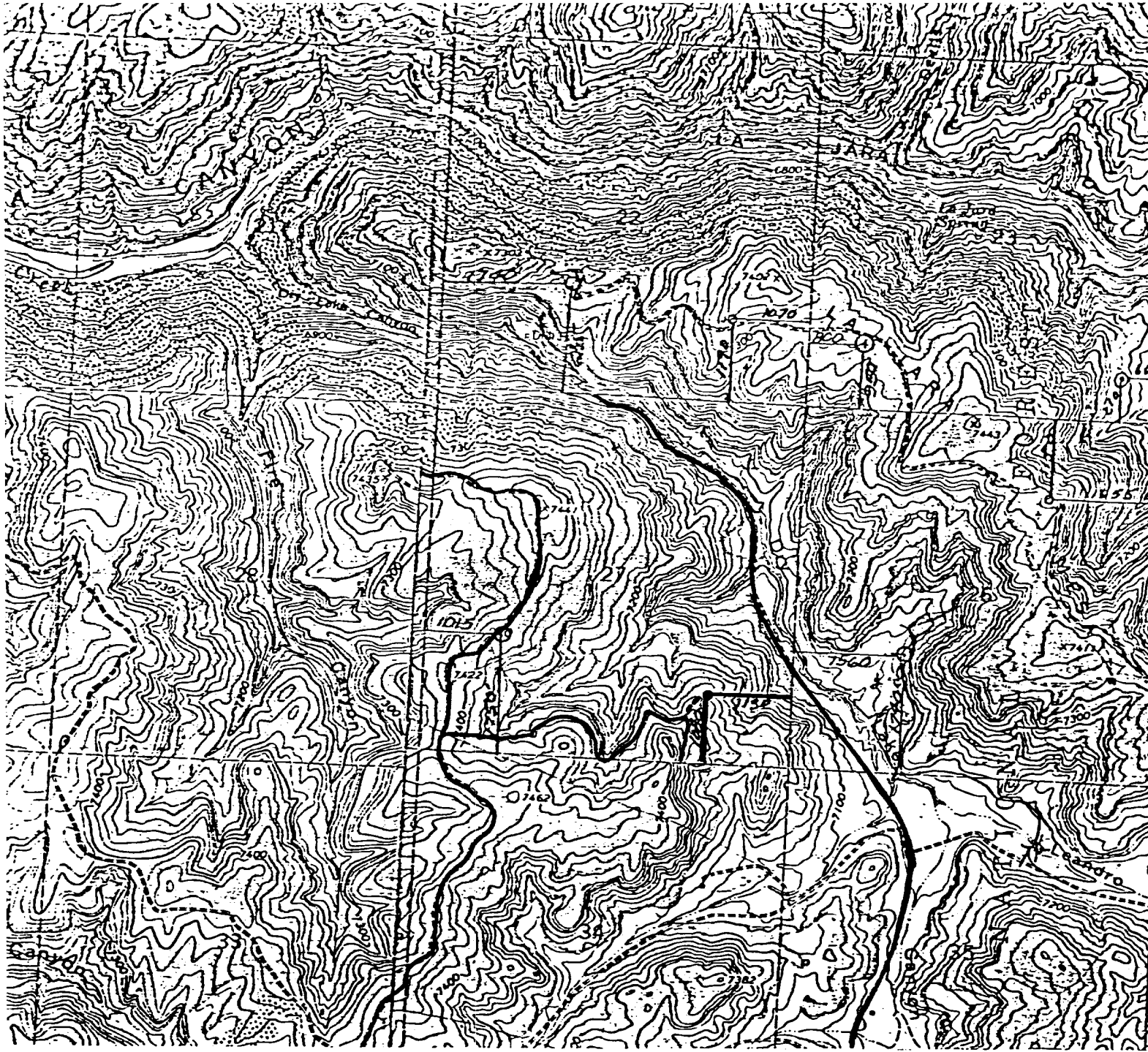
Improvements will consist of a one acre gas well location, an access road, storage tanks, collection pits, and other paraphenalia necessary for the drilling maintenance and production of natural gas.

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

c. Estimated cost <p style="text-align: center;">\$ 5,000.00</p>	d. Construction will begin within <p style="text-align: center;">3 (Months)</p>	e. Construction will be completed within <p style="text-align: center;">3 (Months)</p>
Date of Application <p style="text-align: center;">4-18-78</p>	Applicant's name and signature <p style="text-align: center;"> John E. Schalk Operator</p>	Applicant's address <p style="text-align: center;">P. O. Box 25825 Albuquerque, NM 87125 (ZIP Code)</p>

(OVER)

2700-3 (7/71)



Schalk 29-4 #15

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

Sec. 27, T-29N, R-4W
Rio Arriba County, N. M.