

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

1190' FSL, 1070' FEL, SEC. 22, 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)

1070'

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.

2506'

19. PROPOSED DEPTH

4383'

20. ROTARY OR CABLE TOOLS

Rotary

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

7320 GR

22. APPROX. DATE WORK WILL START*

4/30/78

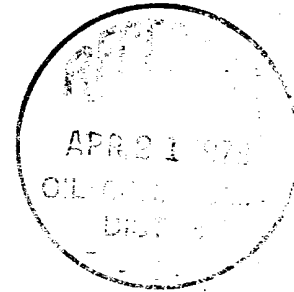
23.

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# | 4383' | 350 Sacks |

FORMATION TOPS

| | |
|----------------|-------|
| OJO ALAMO | 3558' |
| KIRTLAND | 3793' |
| FRUITLAND | 3933' |
| PICTURED CLIFF | 4183' |
| TD | 4383' |



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

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 Enah

*See Instructions On Reverse Side

**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 16 |
| Unit Letter P | Section 22 | Township 29 NORTH | Range 4 WEST | County RIO ARriba |
| Actual Footage Location of Well: 1190 feet from the SOUTH line and 1070 feet from the EAST line | | | | |
| Ground Level Elev 7320 | Producing Formation Pictured Cliff | Pool Chozas Mesa Gobernador | Dedicated Acreage: 160 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 communization, 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 communization, 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

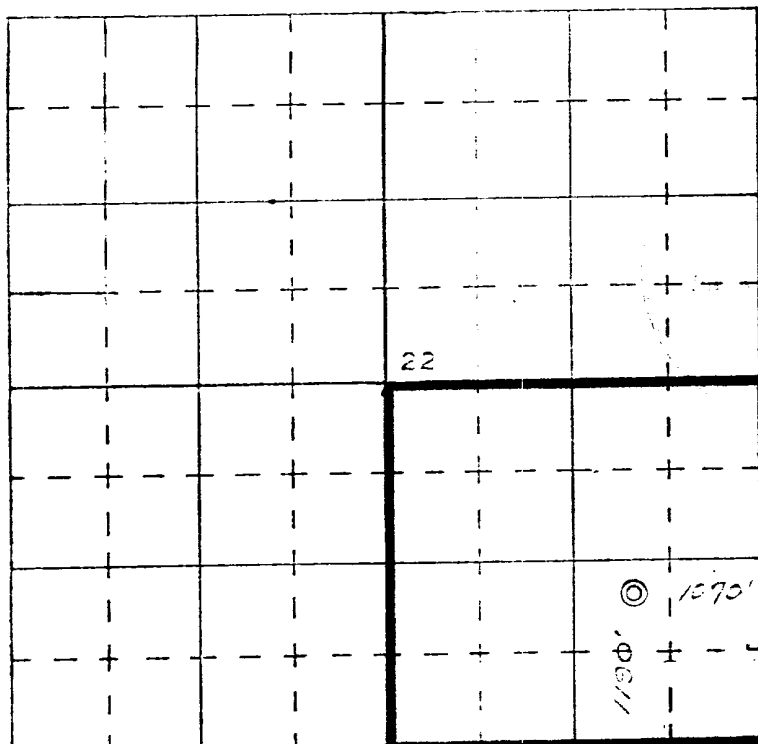
Date
4-18-78

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



SCALE—4 INCHES EQUALS 1 MILE

Multi-Point Surface Use and Operations Plan

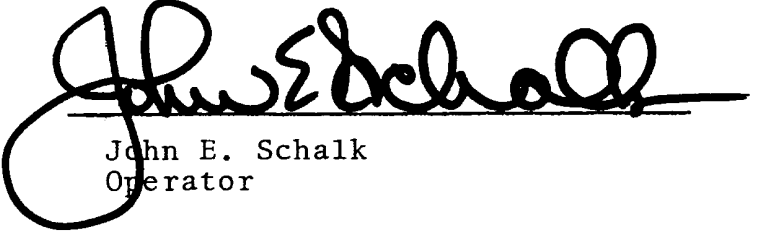
Schalk 29-4 #16

1. Existing roads: Attached map shows existing road running from the East line, through location, and ending further West in the Section.
2. Planned Access road: None.
3. Location of Existing wells: Continental Oil Co., Conoco 29-4, #1, approximately 1650' FWL, 1575' FSL, Sec. 22, T-29N, R-4W
4. Location of existing and/or proposed facilities: None.
5. Location and type of water supply: Water will be taken from a water supply 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 8' per 200' to the Northwest. There will be approximately an 8 foot cut on the Northwest side of the proposed location. Vegetation is sage brush, Pinon and Juniper trees. The surrounding area is comparable and any disturbances to the wildlife 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

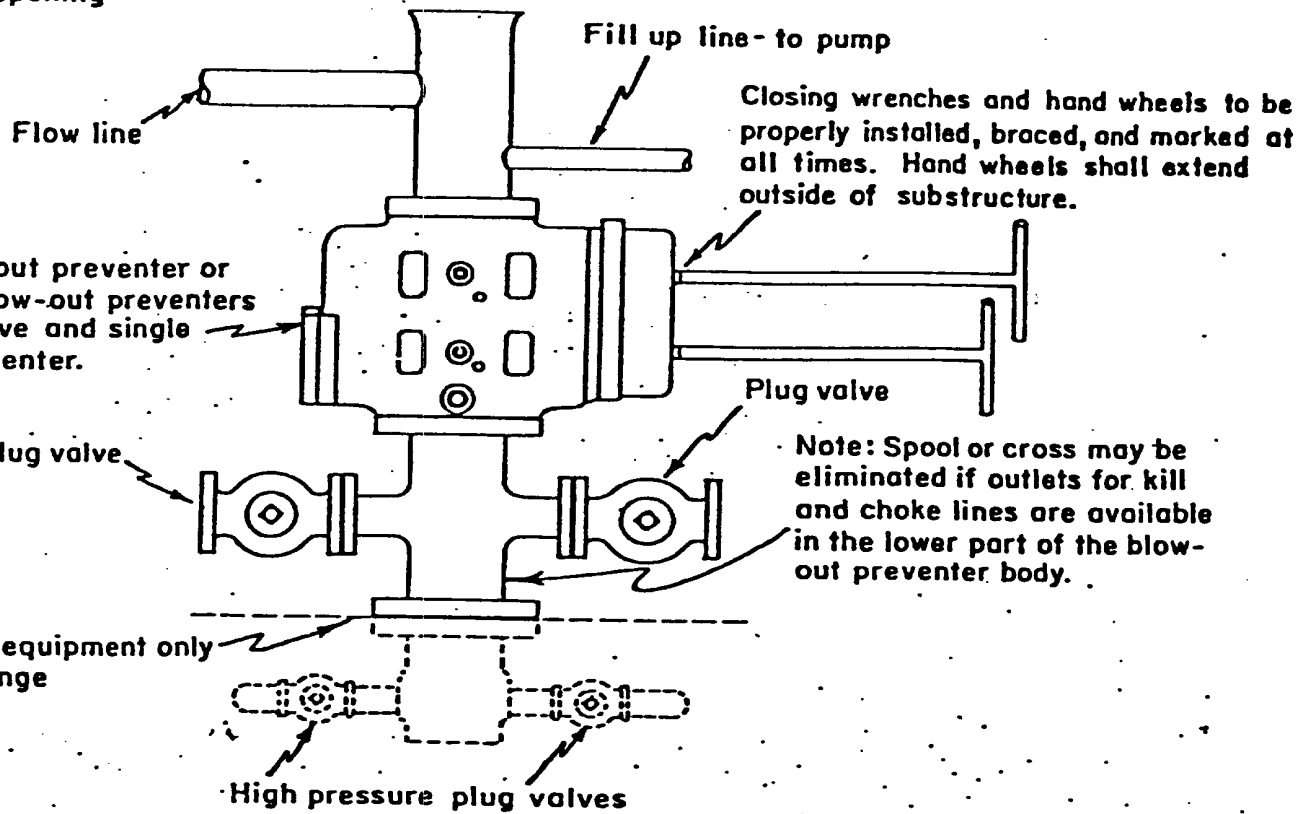


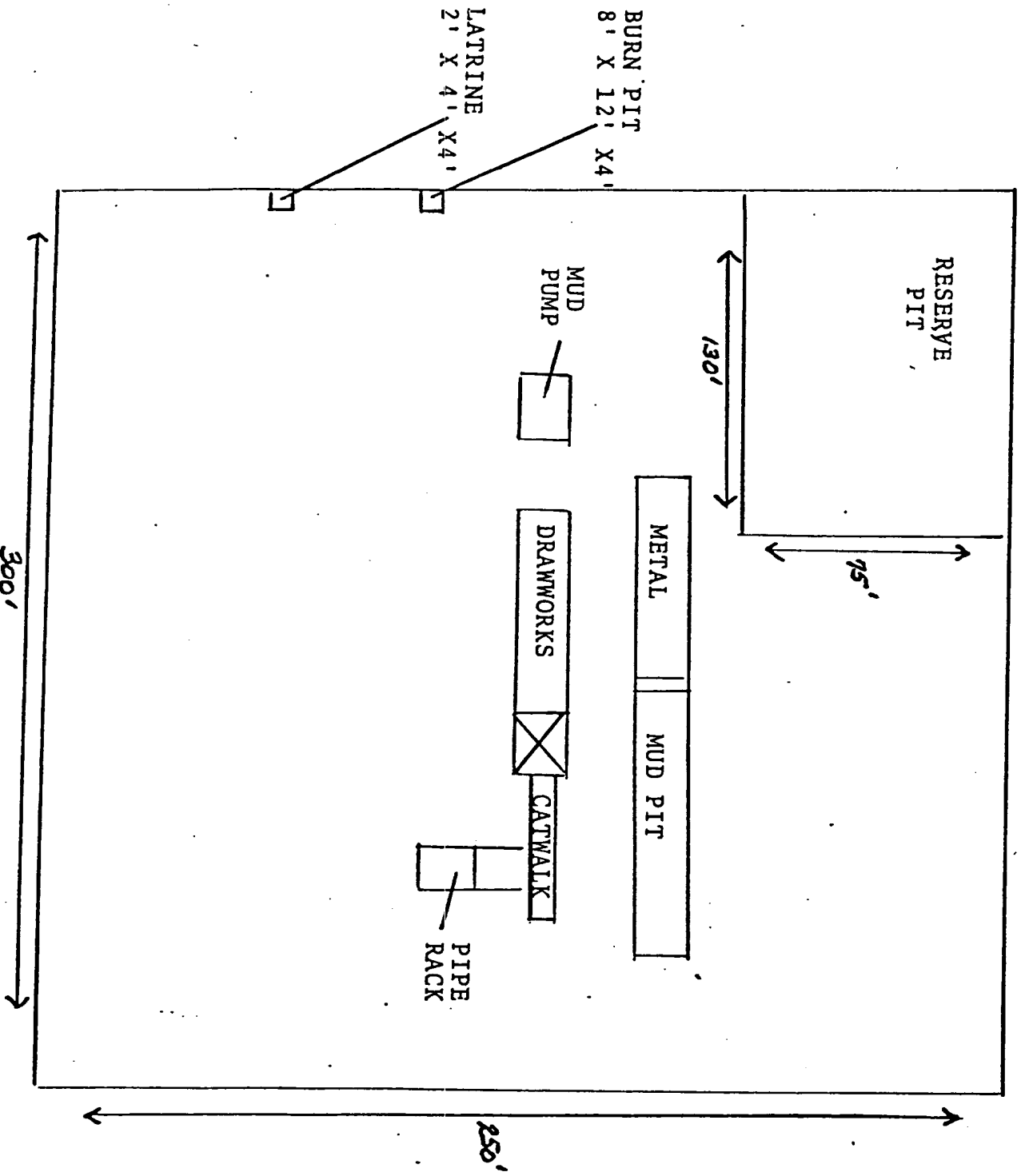
John E. Schalk
Operator

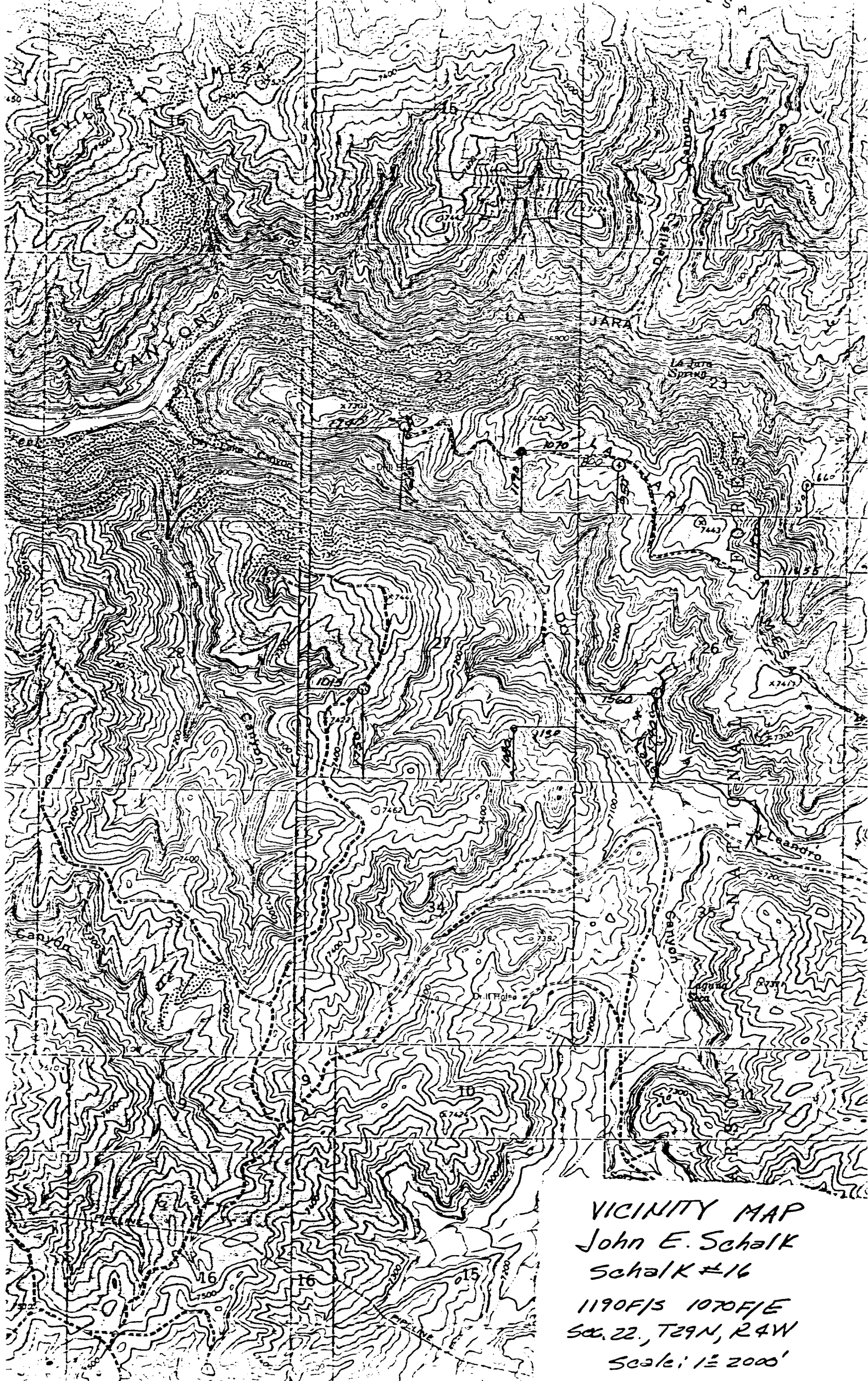
ARAPAHOE DRILLING CO.

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 #16
1190F/15 1070F/E
Sec. 22, T29N, R4W
Scale: 1" = 2000'

United States Department of Agriculture
Forest ServiceSPECIAL USE
APPLICATION AND REPORT

Ref: FSM 2712

FOREST SERVICE USE ONLY

| | | |
|---------------------------------|-------------------------------|-------------------------------|
| a. Record no. (1-2) 70 -- | b. Region (3-4) -- | c. Forest (5-6) -- |
| d. District (7-8) -- | e. User number (9-12) ---- | f. Kind of use (13-15) --- |
| g. State (16-17) -- | h. County (18-20) --- | k. 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 SE/4 of Section 22, Township 29 North
Range 4 West. Lease No. NM 18321

2. Purpose of use.

Construction and drilling the Schalk 29-4 Well No. 16 gas well
located 1190' from the South Line, 1070' from the East Line of
Section 22, 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: (Miles) or (Feet) × Width (Feet) = (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)

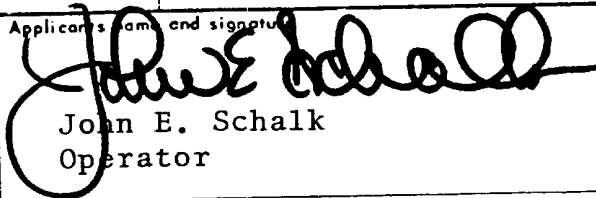
e. Construction will be completed within

3
(Months)

Date of Application

4-18-78

Applicant's name and signature


John E. Schalk
Operator

Applicant's address

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

(OVER)

2700-3 (7/71)

