

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21139

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. USA NM 18328
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
2. NAME OF OPERATOR John E. Schalk		7. UNIT AGREEMENT NAME -----
3. ADDRESS OF OPERATOR P. O. Box 26687, Albuquerque, New Mexico 87125		8. FARM OR LEASE NAME Schalk 29-4
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1100' from the North line, 790' from the West line Section 32, Township 29 North, Range 4 West		9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 40 miles East of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat <i>Pictured Cliffs</i>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T-29N, R-4W
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Rio Arriba
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile		14. COUNTY OR PARISH Rio Arriba
19. PROPOSED DEPTH 4395'		15. STATE N.M.
20. ROTARY OR CABLE TOOLS rotary		21. APPROX. DATE WORK WILL START* 9-15-75
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7332 GR		

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#	150'	150 Sacks
7-7/8"	4-1/2"	10.5#	4395'	

ESTIMATED TOPS

Ojo Alamo	3570'
Kirtland	3805'
Fruitland	3945'
Pictured Cliffs	4195'



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. *John E. Schalk* SIGNED \_\_\_\_\_ TITLE Operator DATE 9-2-75

(This space for Federal or State office use)

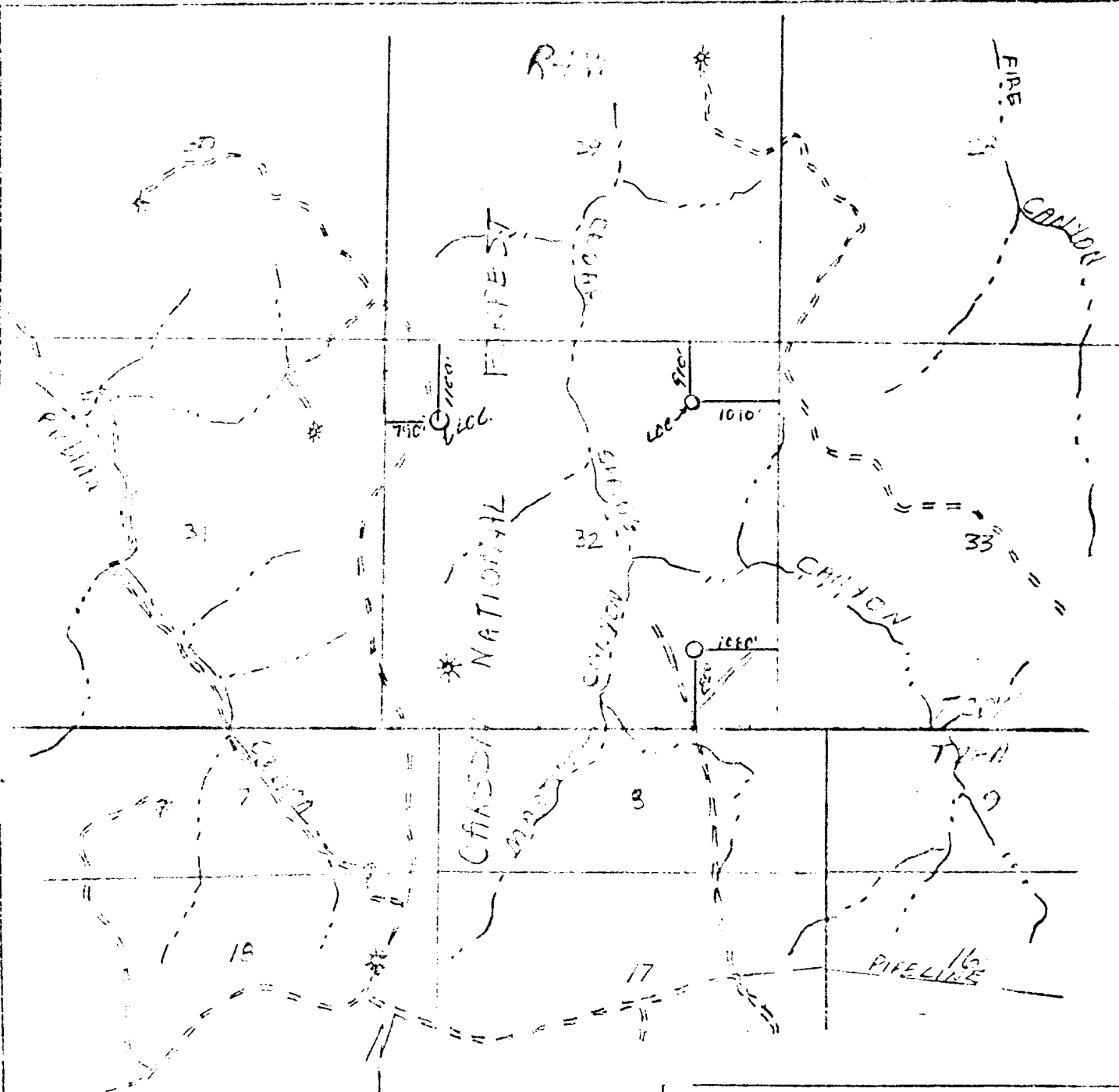
PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*OK*

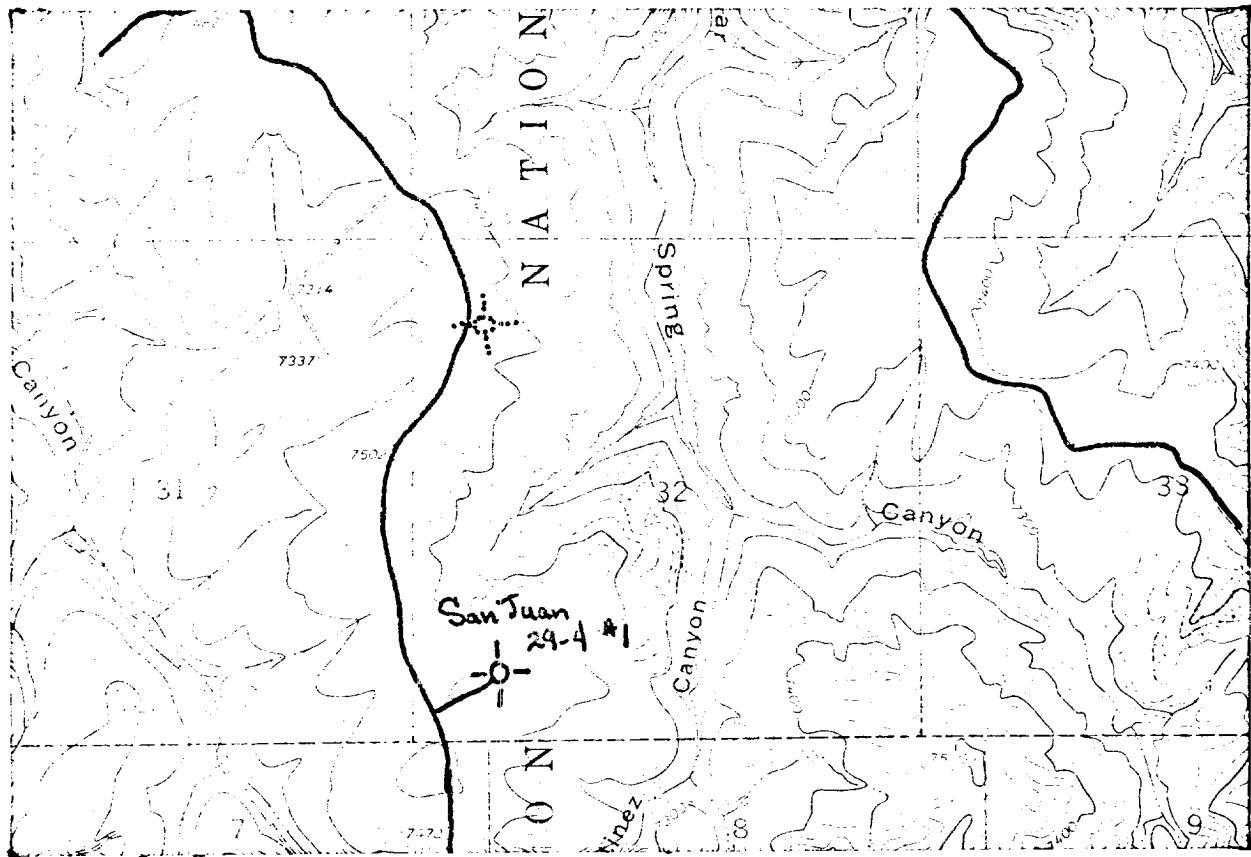




VICINITY MAP FOR

JOHN E. SCHALK

Section 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 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Proposed Road;  
app.  $\frac{1}{10}$  mile long  
& 14 feet wide

Proposed location;  
app. 1650 feet North of  
San Juan 29-4 #1

..... Proposed road & location

— Existing road & location



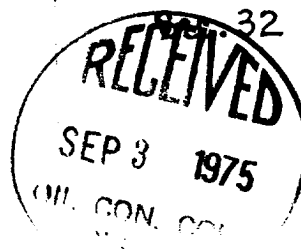
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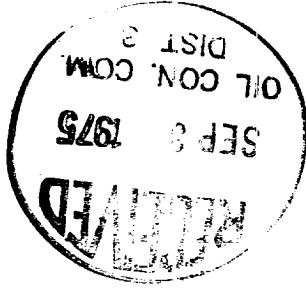
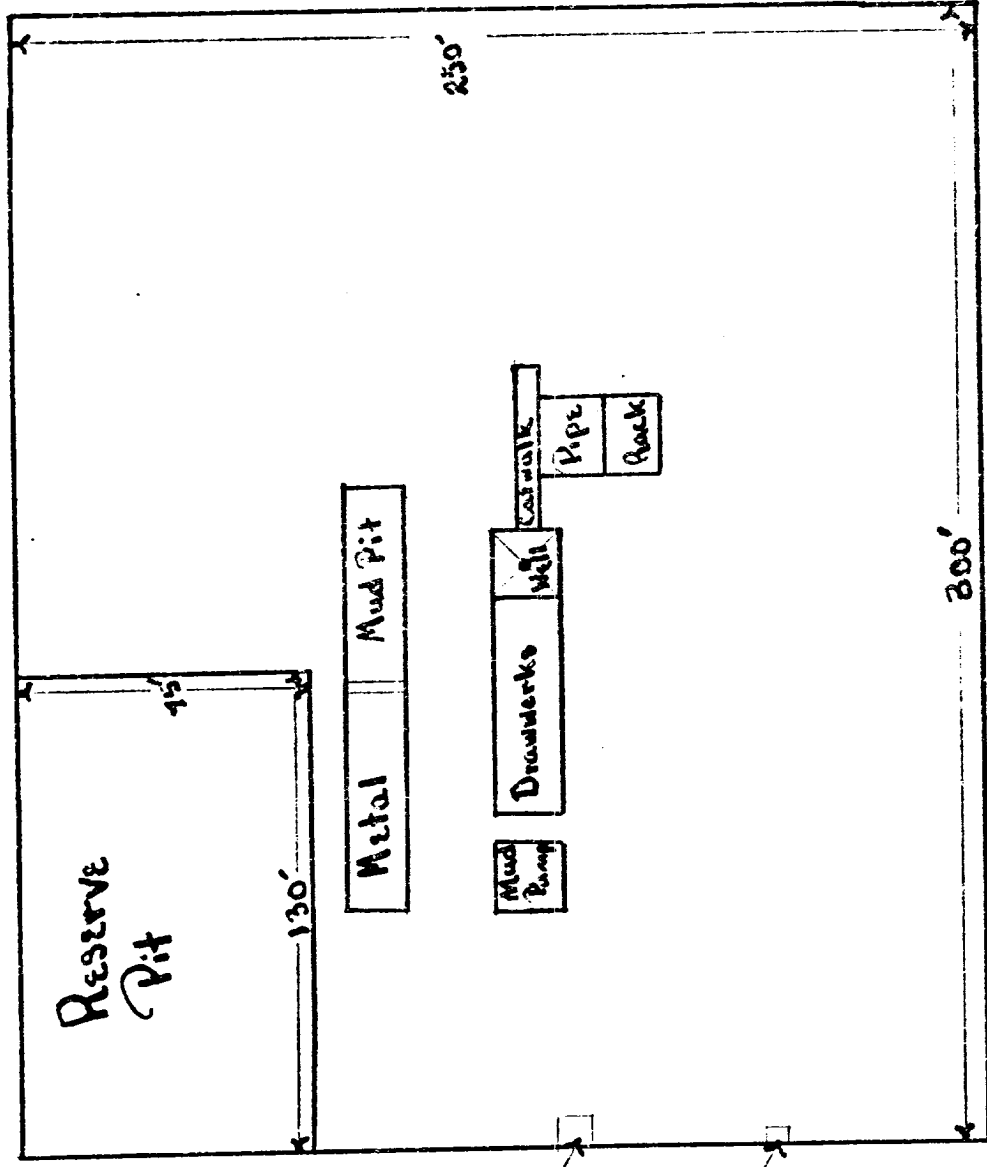


John E. Schalk

San Juan 29-4 Well No. 4

Sec. 32, Town 29 N, Range 4 W.



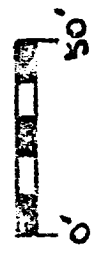


Proposed Road;  
app. 1/4 mile long  
app. 14-12 ft wide

John E. Schalk

San Juan 29-4 Well No. 4

Sec. 32, Town 29 N, Range 4 W.



Scale

North



Burn Pit  
8' x 12' x 4' Deep

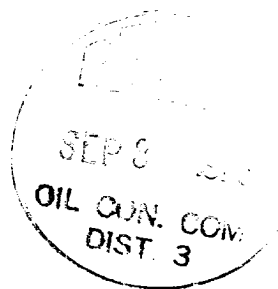
bedrine  
2' x 4' x 4' Deep

## Twelve-Point Development Plan for Surface Use

John E. Schalk

Schalk 29-4 Well No.4

1. Existing roads: Attached map shows existing road running from the west-center of the section, parallel to the proposed location, to the northwest corner.
2. Proposed access road: Will depart from main (existing) road and run approximately 25' into the proposed location.
3. Existing wells: John E. Schalk, Schalk 29-4 Well No.1 - approximately 1½ miles southeast of the proposed location.
4. Lateral roads: None.
5. Location of tank batteries: See attached.
6. Location and type of water supply: Water will be taken from La Jara Wash and transported by truck to the location.
7. Methods for handling waste disposal: Cuttings to be disposed of in reserve pit; a burn pit to be used for disposal of trash, garbage, etc., and covered during clean-up of the location.
8. Location of camps: None.
9. Location of airstrips: None.
10. Rig layout: Per attached drawings.
11. Restoration of surface: Upon completion of drilling operations, the disturbed surface area will be restored as near as is practical to its original contours. If sufficient top soil is encountered, it will be stockpiled for restoration of the surface. Restoration will be to the satisfaction of the U.S. Geological Survey.
12. This location slopes at an increase of 1' per 20' to the south. There will be approximately a two-foot cut on the south side of the proposed location. Vegetation is jack pine, ponderosa pine, pinon pine, cedar, juniper, sagebrush, and various grasses. The surrounding area is comparable and any disturbances to the wildlife will be only temporary. With the restoration of the surface, surface damage will be minimal.



United States Department of Agriculture  
Forest Service

# SPECIAL 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)	k. Card 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 NW/4 OF SECTION 32, T-29 N, R-4 W AND  
CONSTRUCT AN ACCESS ROAD RIGHT-A-WAY THROUGH NW/4 OF SECTION 32,  
T-29 N, R-4 W AS SHOWN ON THE ATTACHED MAP. LEASE NO. NM-18328.

### 2. Purpose of use.

CONSTRUCTION AND DRILLING THE SCHALK 29-4 WELL NO. 4 GAS WELL  
LOCATED 1100' FROM THE NORTH LINE, 790' FROM THE WEST LINE OF  
SECTION 32, T-29-N, R-4-W IN 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:  $\frac{1/4}{1320}$  (Miles) or (Feet)  $\times$  Width  $\frac{18}{18}$  (Feet) =  $\frac{.6}{.6}$  (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 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

ONE

(Months)

e. Construction will be completed within

TWO

(Months)

Date of Application

9-2-75

Applicant's name and signature

JOHN E. SCHALK, OPERATOR

Applicant's address

P. O. BOX 26687  
ALBUQUERQUE, NEW MEXICO  
87125  
(ZIP Code)

(OVER)

2700-3 (7/71)

OIL & GAS COM.  
DIST. 3