

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039- 211 10

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

Southern Union Production Company

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico 87401

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

At surface

800 ft. from the North line & 2075 ft. from the West line.

At proposed prod. zone Same as above.

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

15. DISTANCE FROM PROPOSED\* 3205' Lease line

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 565' Unit line

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2215 Ft.

16. NO. OF ACRES IN LEASE

2560 Acres

19. PROPOSED DEPTH

3725 Ft.

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

6818 Ungraded GR.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	150 Ft.	120 cubic feet
7-7/8"	4-1/2"	10.5#	3725 Ft.	1275 cubic feet

5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 104

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "E"

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Tapacito Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 22, T-26N, R-4W

N.M.P.M.

12. COUNTY OR PARISH

13. STATE

Rio Arriba

New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL

160 acres

20. ROTARY OR CABLE TOOLS

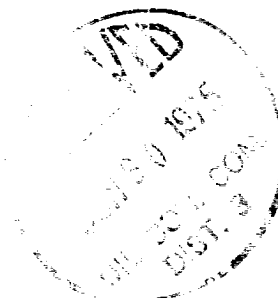
Rotary

22. APPROX. DATE WORK WILL START\*

August 1, 1975

We propose to drill a Pictured Cliffs gas well.

The zone will be perforated and stimulated with a sand-water frac. 1-1/2", 2.U.E., 2.90# tubing will be run to a depth of approx. 3550 ft.



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U.S. GEOLOGICAL SURVEY  
DISTRIBUTION

15. 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 prevention program, if any.

24

Original Signed By

Jerry L. Lee

SIGNED

Jerry L. Lee

TITLE

Area Engineer

DATE

June 18, 1975

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1  
Supersedes O-128  
Effective 1-1-66

All distances must be from the outer boundaries of the Section

Lessee <b>SOUTHERN UNION PRODUCTION COMPANY</b>			Lease <b>JICARILLA</b>		<b>E</b>	<b>11</b>
Tract <b>C</b>	Section <b>22</b>	Township <b>26 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>		
Actual True Location of Well <b>800</b>		<b>NORTH</b>		<b>2075</b>		<b>WEST</b>
Actual Depth Elev. <b>6818.0</b>	Producing Formation <b>Flinted Cliffs</b>	Field <b>Tapacito</b>	<b>ext</b>		Tract Number <b>NO/4</b>	<b>160</b>

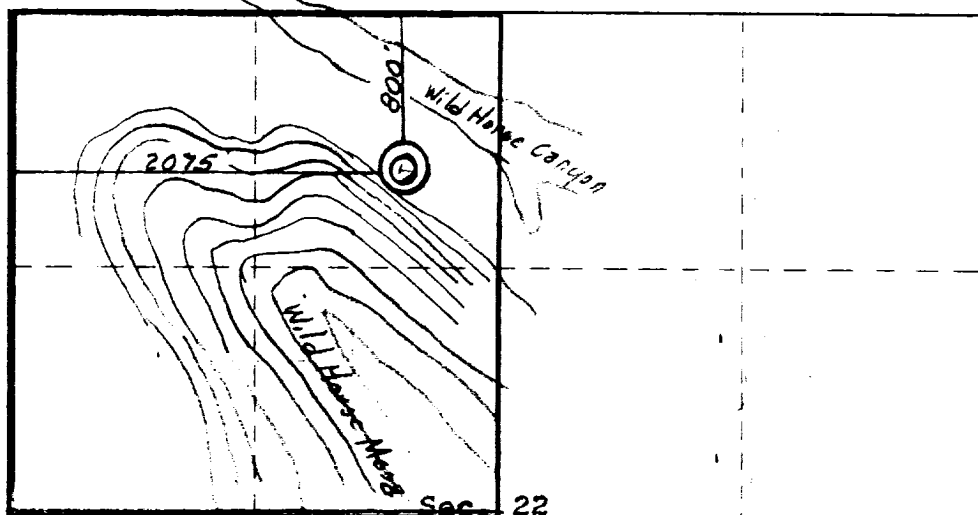
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by 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.

**Dedicated Acreage**



**Jicarilla Apache  
Contract #104**

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**JUN 27 1975**

U. S. GEOLOGICAL SURVEY  
ENERGY DIV.

## CERTIFICATION

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

**ORIGINAL SIGNED BY  
B. R. VANDERSLICE**

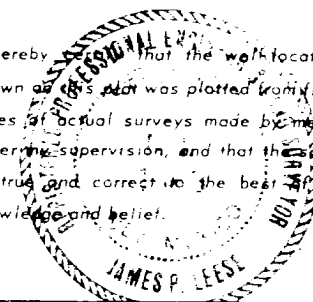
Name  
**B. R. Vanderalice**

Position  
**Area Superintendent**

Company  
**Southern Union Production**

Date  
**June 19, 1975**

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.



**17 June, 1975**

James P. Lease  
**James P. Lease**

## SOUTHERN UNION PRODUCTION COMPANY

POST OFFICE BOX 808  
FARMINGTON, NEW MEXICO 87401

June 18, 1975

United States Geological Survey  
P. O. Box 1809  
Durango, Colorado 81301

Dear Sir:

Southern Union Production Company proposes to drill its Jicarilla "E" No. 11 Tapacito Pictured Cliffs well located 800 feet from the North line and 2075 feet from the West line of Section 22, Township 26 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico.

Attached are maps showing the following data:

1. Existing roads.
2. Planned access roads.
3. Location of existing wells.
4. Lateral roads to well locations.
5. The location of tank batteries and flow lines are not presently known. After the well has been drilled and the location has been cleaned this equipment will then be installed on the existing location. It is requested that a subsequent map be submitted after determining the exact location.
6. Drilling and completion water will be obtained from our water well located in the SW/4, Section 23, Township 26 North, Range 4 West and from a sump on the Tapacito wash located in the SE/4 of Section 16, Township 26 North, Range 4 West.
7. Waste will be disposed of by being placed in the reserve pit and buried. Some will be burned in burn pit which will be covered after the well has been completed.
8. There will be no camp at or near the proposed well site.
9. There will be no airstrip.
10. A map is attached showing the location of the rig, mud tanks, reserve pit, burn pit, pipe racks, etc. The access road and location will be compacted.
11. After the well is completed the location will be cleaned and bladed. The reserve pit will be fenced until it has dried and then it will be filled and restored to its natural state. The access road will be left as is for well maintenance.
12. The location is near an existing road and is relatively flat. Pinon and sage brush is the predominant vegetation.

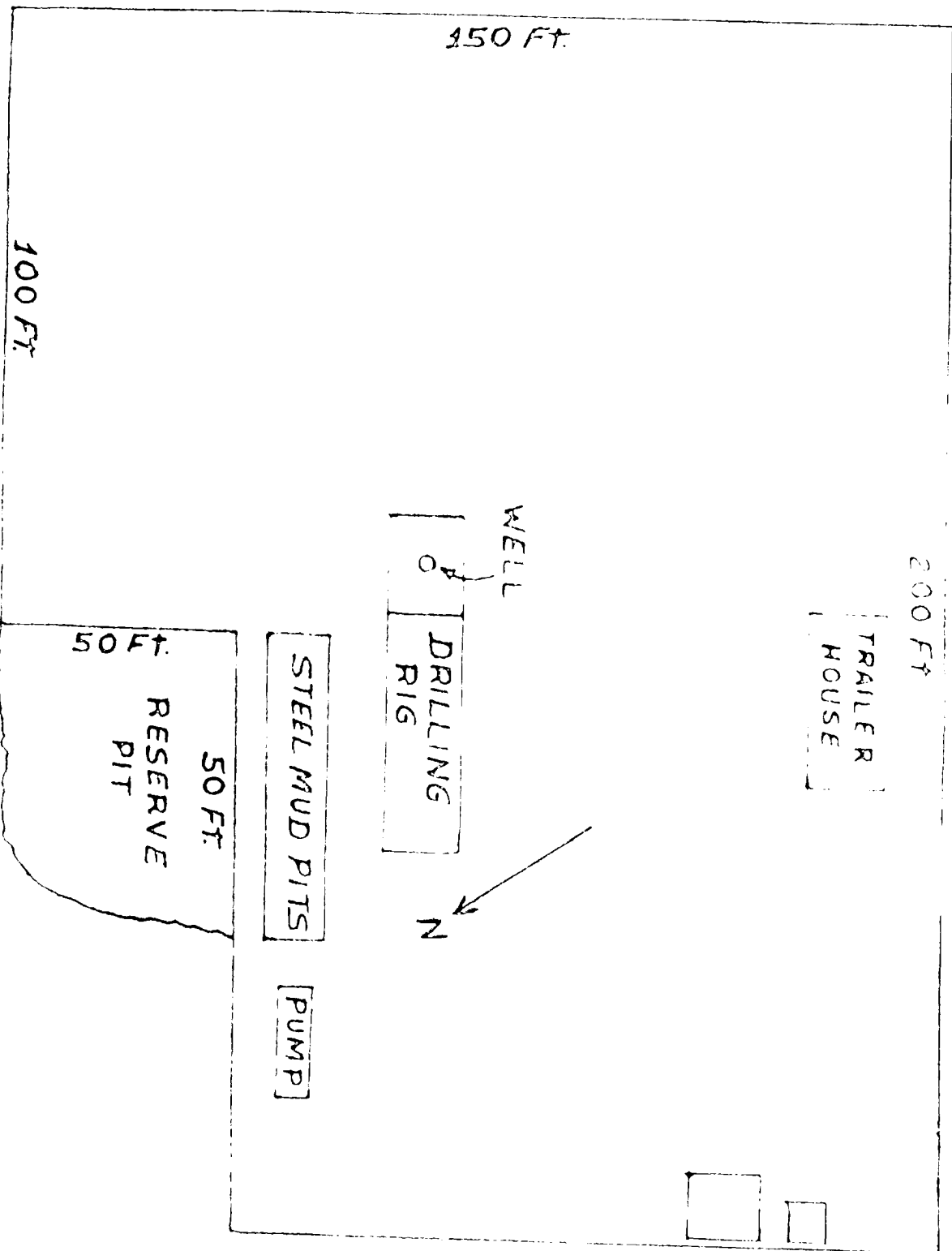
Yours very truly,

SOUTHERN UNION PRODUCTION COMPANY

ORIGINAL SIGNED BY  
B. R. VANDERSLICE

Bill Vanderslice  
Area Superintendent

SOUTHERN OIL PRODUCTION COMPANY  
DECEMBER 1971  
800/M - 2075/E, Sec. 22, T-20N, R-12  
Rice, Ardmore County, New Mexico



LATRINE  
2'x4'x4'Dee



BURN PIT  
8'x12'x4'L

OIL CONSERVATION COMMISSION  
3 DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE 6-30-75

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL ✓ \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated June 25, 1975  
for the Southern Union Prod Co Lease and Well No. Unit, S-T-R  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Topography has been verified by  
Chapman & Co. of the Office  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Ernest C. Smith

**SOUTHERN UNION PRODUCTION COMPANY**

POST OFFICE BOX 808  
FARMINGTON, NEW MEXICO 87401

June 25, 1975



New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey, Secretary-Director

Dear Sir:

Southern Union Production respectfully requests administrative approval for an unorthodox Pictured Cliffs gas well to be located 800 feet from the North line and 2075 feet from the West line of Section 22, Township 26 North, Range 4 West, Rio Arriba County, New Mexico. The well is to be named Jicarilla "E" No. 11 and will be in the Tapacito Pictured Cliffs field.

The lease is our Jicarilla Tribal Lease Contract No. 104 jointly owned equally by Southern Union Production Company and Exxon Company. Acreage involved in the lease consists of: Section 15 all; Section 16 all; Section 21 all and Section 22 all, Rio Arriba County, New Mexico.

Our request for this unorthodox location is due to topography. An orthodox location would entail building a switch-back road to the top of an approx. 200 - 300 foot high rocky Mesa or by building an approach road on top the Mesa for a distance of approx. two (2) miles. Offset lease drainage presents no problem due to the location of the proposed well. It would be located 3205 feet from the nearest lease line and approximately 2215 feet from the nearest well on the lease.

Enclosed are maps showing topography, existing gas wells and lease ownership.

Should additional information be required, please advise.

Yours very truly,

SOUTHERN UNION PRODUCTION COMPANY

*Bill Vanderslice*  
Bill Vanderslice  
Area Superintendent

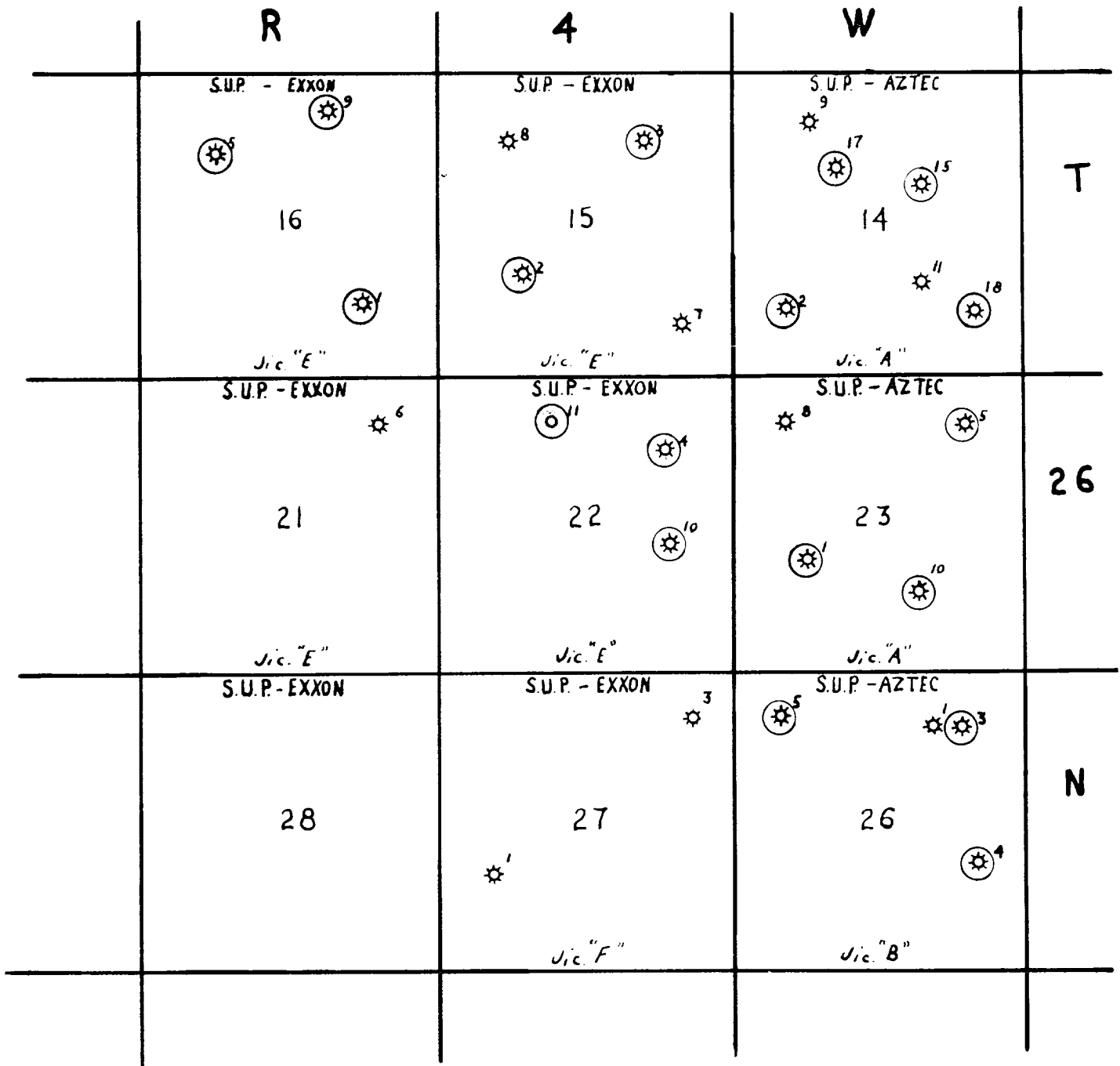
BV:ml  
Enclosures

cc: New Mexico Oil Conservation Commission  
Aztec, New Mexico  
United States Geological Survey  
Durango, Colorado  
Mr. J. M. Shepherd  
Exxon Company, Midland, Texas

SOUTHERN PACIFIC PRODUCTION COMPANY

APPLICATION FOR UNORTHDOX WELLS  
JICARILLA FORM NO. 11

LOCATION: 800 feet from the North line and 2075 feet from  
West line of Sec. 22, T-24N, R-24W, Rio Arriba Co., N. Mex.



S.U.P. - EXXON - JICARILLA FORM NO. 11



PROPOSED UNORTHDOX WELL



EXISTING PICTURED CLIFFS WELL



EXISTING GAS WELL

4537 111 SE  
WIGAS CANYON

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

R - 4 - W

Section from T10N 20E, 60E  
Proposed North-south line  
8 mi. E. from North Line  
2 1/2 mi. from West Line  
Sec. 2, T-10N, R-4E  
Rio Arriba Co., N. Mex.

T  
26  
N

