

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

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

915 FT. FROM THE NORTH LINE &amp; 860 FT. FROM THE EAST LINE

At proposed prod. zone SAME AS ABOVE.

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

4 MILES North of Ojito, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

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

860 FT.

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2715 FT.

## 16. NO. OF ACRES IN LEASE

2360

## 19. PROPOSED DEPTH

6200 FT.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

MEASURED - 320 ACRES

PICTURED CLIFFS - 100 ACRES

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

7214 FT. UNGRADED GROUND LEVEL.

## 22. APPROX. DATE WORK WILL START\*

JUNE 15, 1973

## 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"	24.00#	200 FT.	175 BAGS
7-7/8"	5-1/2"	15.50#	6200 FT.	1900 FT.

WE PROPOSE TO DRILL A WELL TO BE FULLY COMPLETED IN THE PICTURED CLIFFS AND MEASURED FORMATIONS. ANTICIPATED TOTAL DEPTH 6200 FT. R.K.B.

## 1. CASING PROGRAM

SURFACE: 8-5/8", 24.00#, K-55 SET AT 200 FT. CEMENTED TO SURFACE w/175 BAGS.  
PRODUCTION: 5-1/2", 15.50#, K-55 SET AT T.D. OF 6200 FT. R.K.B. 1ST STAGE CEMENTED w/APPROX. 500 CU. FT. OF CEMENT. STAGE COLLAR SET UNDER PICTURED CLIFFS AT APPROX. 4000 FT. AND CEMENTED w/APPROX. 500 CU. FT. CEMENT. STAGE COLLAR SET AT APPROX. 2000 FT. AND CEMENTED w/APPROX. 500 CU. FT. CEMENT.

## 2. WELL WILL BE FULLY DRILLED FROM SURFACE TO TOTAL DEPTH.

## 3. PICTURED CLIFFS AND MEASURED WILL BE SAND FRACED TO STIMULATE PRODUCTION.

4. BAKER 5-1/2" MODEL D<sup>2</sup> PRODUCTION PACKER WILL BE SET AT APPROX. 5800 FT. R.K.B.

## 5. 1-1/2", E.U.E., 2.90#, JCO-55 TUB. WILL BE RUN TO MEASURED AND Landed AT APPROX. 6050 FT. R.K.B.

## 6. 1-1/2", 2.76#, JCO-55 TUBING WILL BE RUN TO PICTURED CLIFFS AND Landed AT APPROX. 3050 FT. R.K.B.

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.

Original signed by

GILBERT D. NOLAND, JR.

SIGNED GILBERT D. NOLAND, JR.TITLE DRILLING SUPERINTENDENTDATE MAY 8, 1973

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

839-171



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

All distances must be from the outer boundaries of the Section

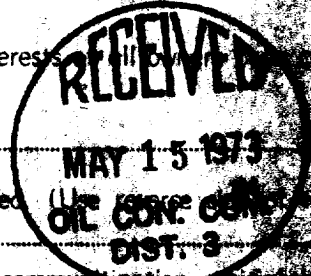
Operator <b>SOUTHERN UNION PRODUCTION CO.</b>			Lease <b>JICARILLA D</b>		Well No. <b>13</b>
Unit Letter <b>A</b>	Section <b>32</b>	Township <b>26 NORTH</b>	Range <b>3 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>915</b> feet from the <b>NORTH</b> line and <b>860</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>7214.0</b>	Producing Formation <b>PICTURED CLIFFS</b>	Pool <b>TAPASITO PICTURED CLIFFS</b>	Dedicated Acreage <b>2.6</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 ownership interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests consolidated (by communitization, unitization, force-pooling, etc?)

( ) Yes ( ) No If answer is "yes," type of consolidation \_\_\_\_\_

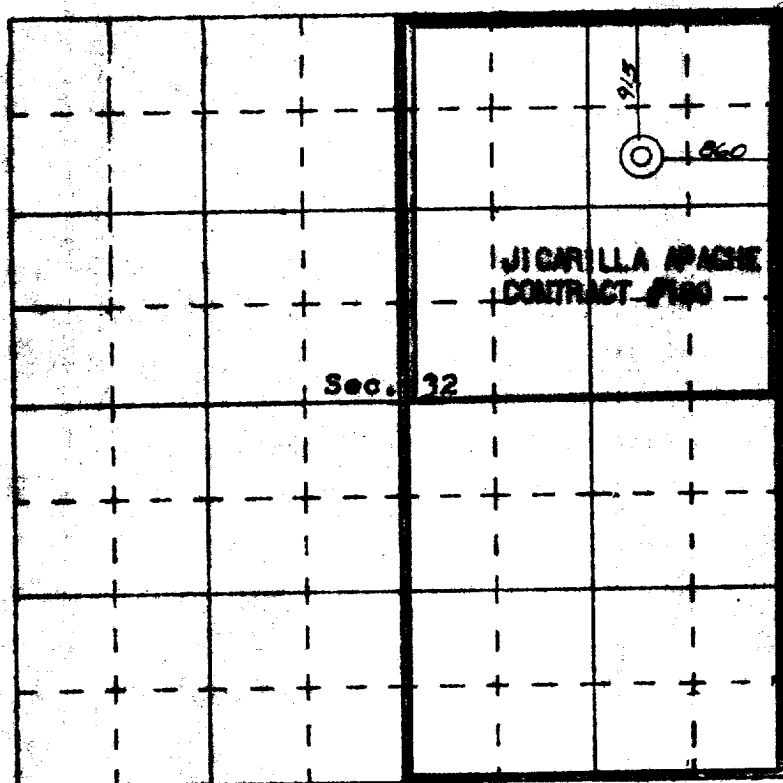
If answer is "no," list the owners and tract descriptions which have actually consolidated (Use space below if necessary.) \_\_\_\_\_

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.



**DEDICATED PICTURED CLIFFS ACERAGE**

**DEDICATED MESAVENNE ACERAGE**



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

## CERTIFICATION

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

Original signed by \_\_\_\_\_  
Name **GILBERT D. NORMAN**

Position **General D. Norman**

Company **Republic Service Company**

Date **Southern Union District**

**May 8, 1973**

I hereby certify that the information on this plat was placed before the Commission made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date \_\_\_\_\_

Signature \_\_\_\_\_  
Register \_\_\_\_\_  
Official \_\_\_\_\_

**MAJOR R. J. LEWIS**

Certified \_\_\_\_\_

SOUTHERN UNION PRODUCTION COMPANY

POST OFFICE BOX 804  
FARMINGTON, NEW MEXICO 87401

MAY 8, 1973

RECEIVED

MAY 14 1973

UNITED STATES GEOLOGICAL SURVEY  
P. O. Box 1809  
DURANGO, COLORADO 81301

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

DEAR SIR:

SOUTHERN UNION PRODUCTION COMPANY PROPOSES TO DRILL ITS JICARILLA "D" No. 13 (DUAL) PICTURED CLIFFS - MESAVARDE WELL LOCATED 915 FT. FROM THE NORTH LINE AND 860 FT. FROM THE EAST LINE OF SECTION 32, TOWNSHIP 26 NORTH, RANGE 3 WEST, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO.

ATTACHED ARE MAPS SHOWING THE FOLLOWING DATA:

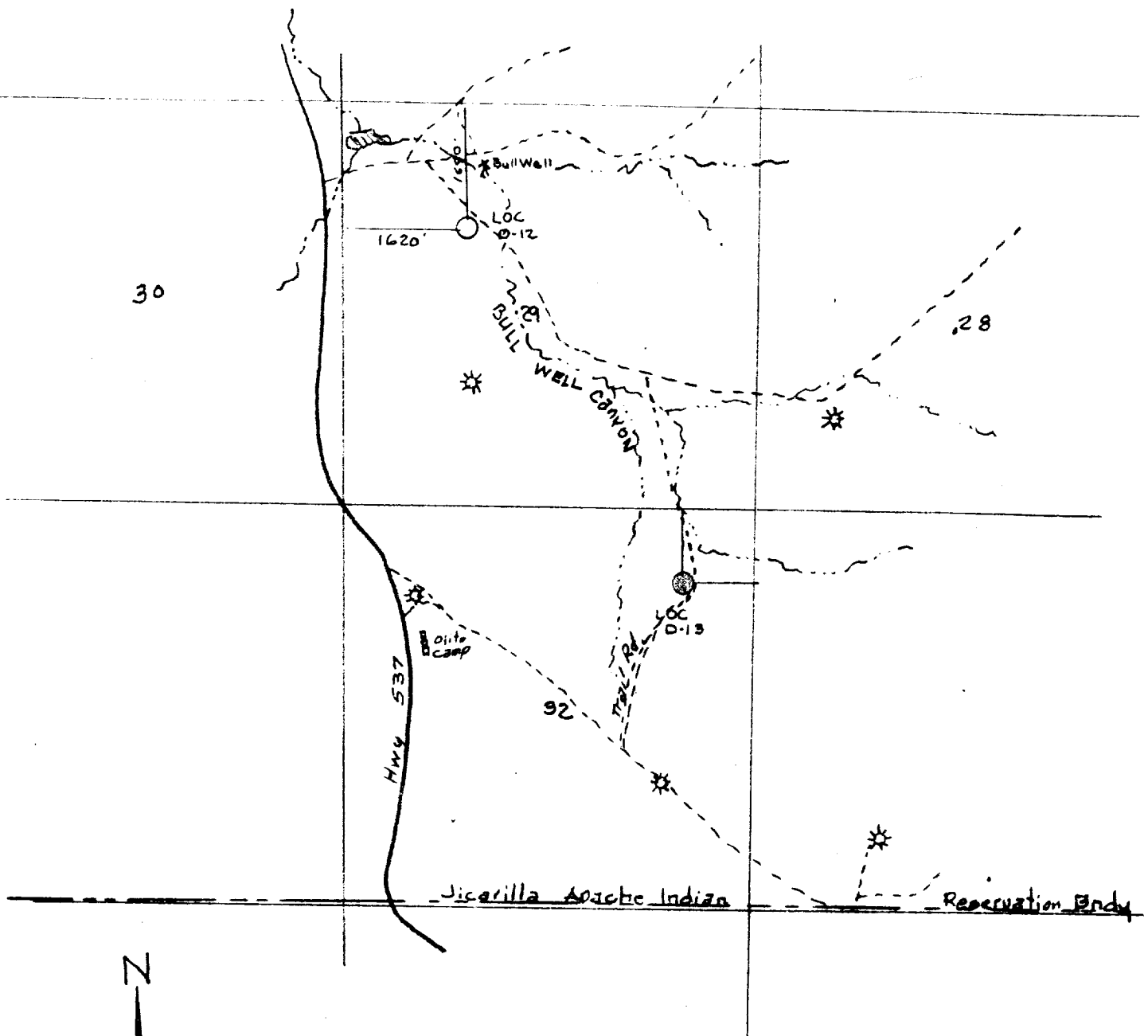
1. EXISTING ROADS.
2. PLANNED ACCESS ROADS.
3. LOCATION OF EXISTING WELLS.
4. LATERAL ROADS TO WELL LOCATIONS.
5. THE LOCATION OF TANK BATTERIES AND FLOW LINES ARE NOT PRESENTLY KNOWN. AFTER THE WELL HAS BEEN DRILLED AND THE LOCATION HAS BEEN CLEANED THIS EQUIPMENT WILL THEN BE INSTALLED ON THE EXISTING 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 INDIAN WOOD HAULING TRAIL AND IS FLAT. SAGE BRUSH IS THE PREDOMINANT VEGETATION.

YOURS VERY TRULY,

SOUTHERN UNION PRODUCTION COMPANY

*Bill Vanderslice*  
BILL VANDERSLICE  
AREA SUPERINTENDENT

BV:ML



JICARILLA "D" NO. 13  
 915 Ft./N Line & 860 Ft./E Line  
 Sec. 32, T-26N, R-3W

VICINITY MAP FOR  
 SOUTHERN UNION PRODUCTION CO.  
 Showing

Well Locations in Sections 29, & 32,  
 T-26N, R-3W, N.M.P.M., Rio Arriba  
 County, New Mexico

Scale: 1" = 2000' Date: 5 May, 1973

----- PROPOSED ACCESS ROAD

San Juan Engineering Company

Farmington, New Mexico

SOUTHERN UNION PRODUCTION COMPANY  
JICARILLA "D" NO. 13  
915 Ft./N Line & 860 Ft./E Line, Sec. 32, T-26N, R-3W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO

