

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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JUL 19 1968
SUBMIT IN THIS SPACE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.
639
20-041-20122

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

1550 ft. from the South line & 1650 ft. from the East line.

At proposed prod. zone

Same as above.

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

12 Miles Northwest of Ojito, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

3630 ft.

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED TO THIS WELL

320 Dakota 160 P.C.

18. DISTANCE FROM PROPOSED LOCATION*

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

2800 ft.

19. PROPOSED DEPTH

8305

20. ROTARY OR CABLE TOOLS

Rotary

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

7134 ft. Ungraded ground level

22. APPROX. DATE WORK WILL START*

7/22/68

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	32.75	350 ft.	250 sacks
9-7/8"	7-5/8"	26.40	4055 ft.	350 cu. ft.
6-3/4"	4-1/2"	10.50	3905-8305	750 cu. ft.

We propose to drill a well to be doubly completed in the Dakota and Pictured Cliffs formations. Anticipated total depth 8305 ft.

1. Casing Program:

Surface: 10-3/4", 32.75, H-40 set @ 350 ft. Cemented w/250 sacks.

Intermediate: 7-5/8", 26.40, J-55 set @ 4055 ft. Cemented w/350 cu. ft. cement.

Liner: 4-1/2", 10.50, J-55 set from 3905-8305 ft. Cemented w/750 cu. ft. Ont.

2. Well will be sand drilled from surface to 4055 ft. and gas drilled from 4055 to T.D.

3. Dakota and Pictured Cliffs zones will be sand fraced to stimulate production.

4. Baker Model "B" 4-1/2" Production Packer will be set at approx. 7900 ft. B.J.B.

5. 1-1/2", B.J.B., 2.90, JCB Tagging will be run to Dakota and landed @ approx. 8200' B.J.B.

6. 1-1/2", Integral joint, 2.75, JCB Tag. will be run to Pictured Cliffs and landed at approx. 3800 ft. B.J.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.

SIGNED B. L. Vandervliet

TITLE Area Superintendent

DATE July 15, 1968

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY AK

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.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICARILLA		Well No. 11
Unit Letter J	Section 14	Township 26 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well: 1550 feet from the South line and 1650 feet from the East line					
Ground Level Elev. 7134	Producing Formation Dakota	Pool Dakota	Dedicated Acreage 8 1/2 320		Acres
Pictured Cliffs					

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?

RECEIVED

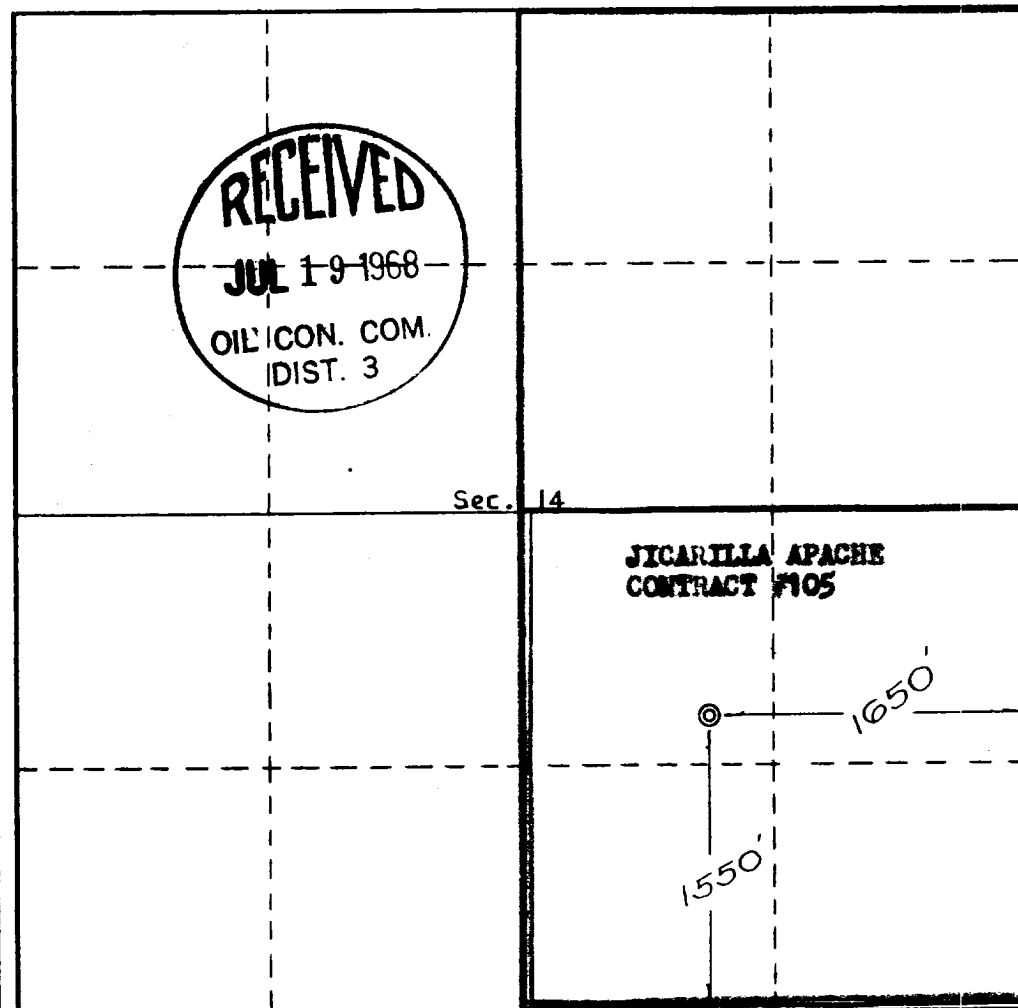
JUL 13 1968

☐ Yes ☐ No If answer is "yes," type of consolidation

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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 Dakota Acreage** **Dedicated Pictured Cliffs Acreage**



CERTIFICATION

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

B. R. Vanderalice
Name

B. R. Vanderalice

Position

Area Superintendent

Company

Southern Union Production Co.

Date

July 16, 1968

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 are true and correct to the best of my knowledge and belief.

Date Surveyed

March 21, 1955

Registered Professional Engineer and/or Land Surveyor

E. H. Campbell

Certificate No. **3602**

