

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐DEEPEEN ☒PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐

2. NAME OF OPERATOR

Southern Union Production Company

3. ADDRESS OF OPERATOR

P. O. Box 303, Farmington, New Mexico 87401

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

At surface

1650 ft. from the north line and 1700 ft. from the east line

At proposed prod. zone New as above.

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

15 miles Northwest of Counsellors, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

990 ft.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

Approx. 1 mile

16. NO. OF ACRES IN LEASE

Approx. 1920

19. PROPOSED DEPTH

6925 ft.

17. NO. OF ACRES ASSIGNED

TO THIS WELL 40 Acres (Gallup)

320 Acres (Lakota)

20. ROTARY OR CABLE TOOLS

Rotary

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

6550 ft. Ungraded ground

22. APPROX. DATE WORK WILL START*

August 25, 1970

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	5-5/8"	25.0	300 ft.	250 sacks
7-7/8"	2-1/2"	15.5	5925 ft.	2175 cu. ft.

We propose to drill a well to be finally completed in the Gallup and Lakota formations.
Anticipated total depth 6925 feet.

1. Casing Program:

Surface: 5-5/8", 24.0', J-55 set at 300 ft. Cemented to surface w/250 sacks.

Production: 2-1/2", 15.50' set at total depth of 6925 ft. R.K.B.

1st stage cemented w/600 cu. ft. of cement. Stage collar set at
approx. 5000 ft. under Mesaverte and cemented w/375 cu. ft. of cement.
Stage collar set under Chacra at approx. 3700 ft. and cemented with
1200 cu. ft. of cement.

2. Rotary tools will be used to mud drill well from surface to total depth.

3. Gallup and Lakota formations will be sand fraced to stimulate production.

4. Baker 5-1/2" Model "D" Production Packer will be set at approximately 6600 ft. R.K.B.

5. 2-1/16", 3.30, J tubing will be run to Lakota and landed at approx. 6850 ft. R.K.B.

6. 2-1/16", 3.30, J tubing will be run to Gallup and landed at approx. 5900 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.

OR SIGNAL SIGNED BY

SIGNED B. R. VANDERSLICE

TITLE Area Superintendent

DATE August 14, 1970

B. R. Vanderslice
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

*See Instructions On Reverse Side

AUG 17 1970

APP. SUBD. TO PERMIT OF N.S. SEC. 9 E. DAKOTA

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.

RECEIVED

AUG 17 1970

U. S. GEOLOGICAL SURVEY
DURANGO COLO

MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND AGERAGE DEDICATION PLAT

All data derived from the later boundary of the Section

SOUTHERN UNION PRODUCTION CO.

JICARILLA "L"

4

9

1480

1700

OTERO GALLUP
BASIN DAKOTA

1700

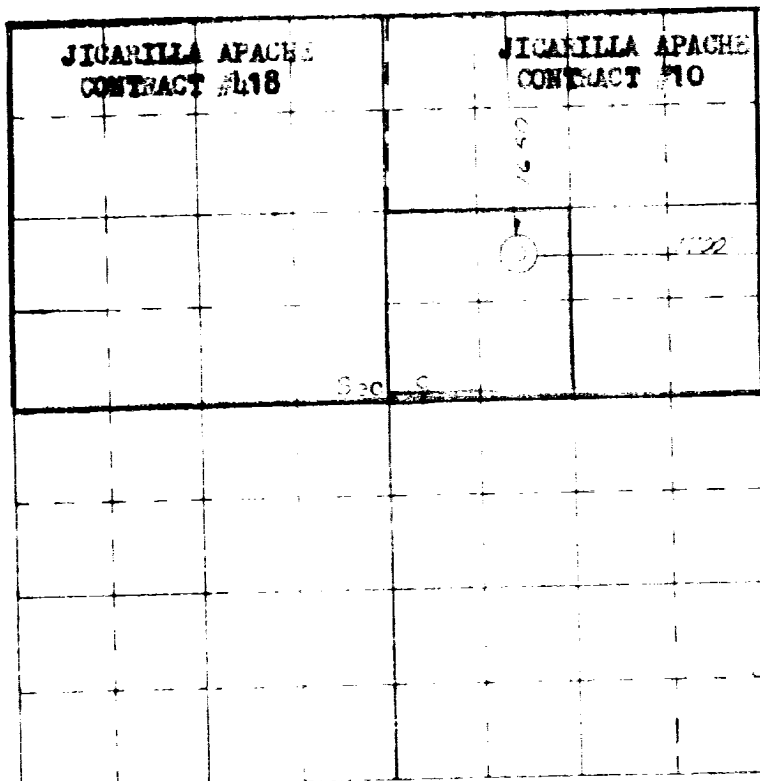
6550

GALLUP - DAKOTA

40 Acres (Gallup)
320 Acres (Dakota)



———— Dedicated Dakota Acreage
———— Dedicated Gallup Acreage



SCALE—4 INCHES EQUAL 1 MILE

SAN JUAN ENGINEERING COMPANY

ARMINGTON, N. M.

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

B. R. Vanderslice

Area Superintendent

Southern Union Production Co.

August 14, 1970

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.

13 August, 1970

James O. Keene
Professional Engineer
JAMES O. KEENE

1769