

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

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

At surface

1840 ft. from the North line and 1680 ft. from the East line.

At proposed prod. zone

Same as above.

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

3 Miles North of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

960 Ft.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

320

19. PROPOSED DEPTH

6570 Ft.

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary Tools

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

5734 Ft. Ungraded ground level

22. APPROX. DATE WORK WILL START*

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#	300 Ft.	225 cu. ft.
7-7/8"	4-1/2"	10.5	6570 Ft.	2000 cu. ft.

We propose to drill a Dakota well. Anticipated total depth 6570 Ft.

1. Proposed Casing Program:

Surface: 8-5/8", 24.0#, J-55 set at 300 ft. Cemented to surface w/200 cu. ft.

Production: 4-1/2", 10.50#, J-55 set at total depth 6570 ft. 1st stage cemented w/400 cu. ft. Cement. 2nd Stage cemented thru Stage Collar under Mesaverde at 4620 feet w/1600 cu. ft. of cement.

Tubing: 1-1/2", R.U.E., 2.90#, JOW Landed at approximately 6500 ft. R.K.B.

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

3. Dakota formation will be perforated and sand fraced to stimulate production.

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

Gilbert D. Noland, Jr.

TITLE

Drilling Superintendent

DATE

June 29, 1965

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE

JUN 30 1965

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

*See Instructions On Reverse Side

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

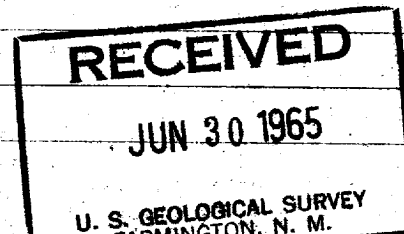
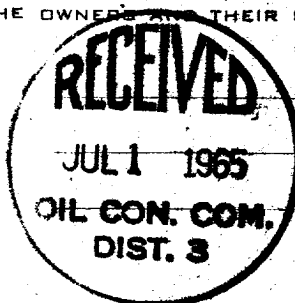
SECTION A.

DATE June 29, 1965
OPERATOR Southern Union Production Company LEASE Maddox Federal
WELL NO. 1840 UNIT LETTER G SECTION 23 TOWNSHIP 30 North RANGE 13 West NMPM
LOCATED 1840 FEET FROM North LINE, 1680 FEET FROM East LINE
COUNTY San Juan G. L. ELEVATION 5734 DEDICATED ACREAGE 8 1/2 320 Ac. ACRES
NAME OF PRODUCING FORMATION Dakota POOL Basin Dakota

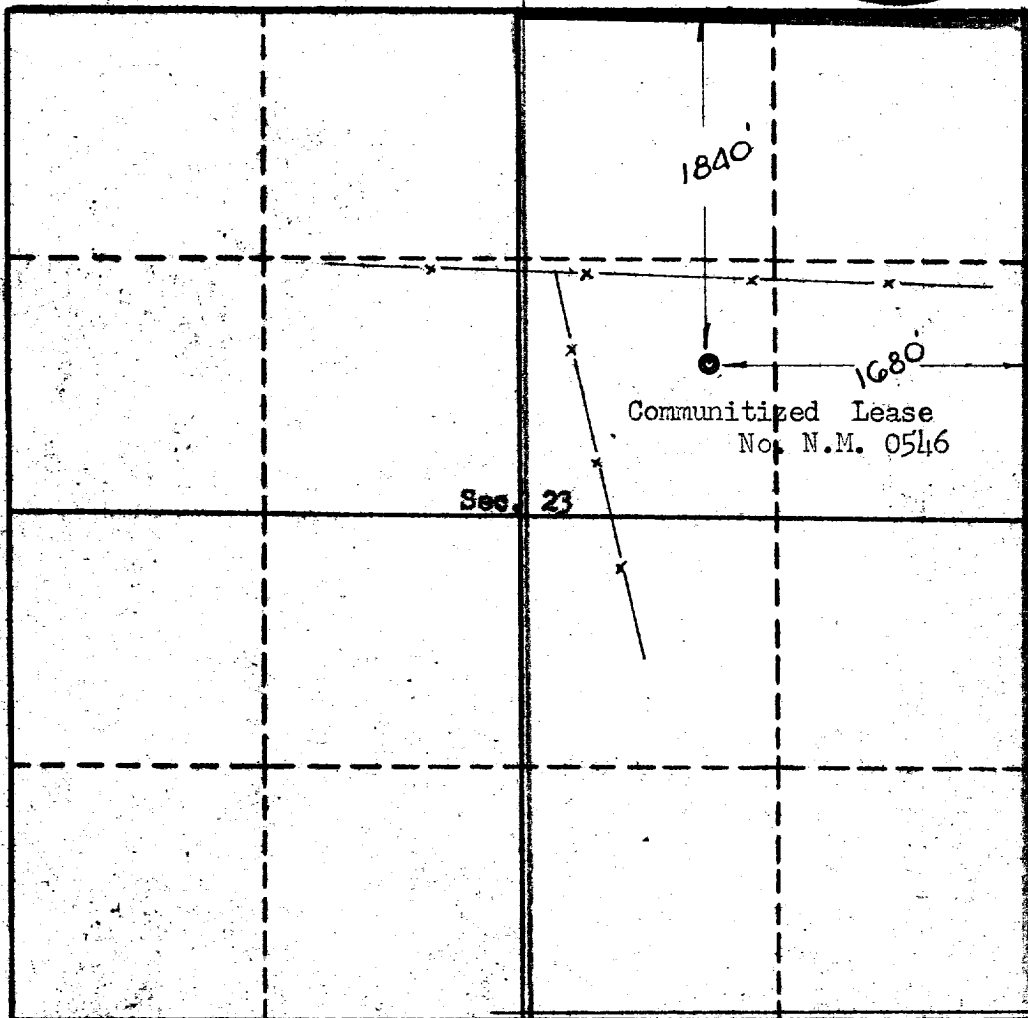
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES _____ NO X
2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES X NO _____ IF ANSWER IS "YES," TYPE OF CONSOLIDATION _____

COMMUNITIZATION AGREEMENT

3. IF THE ANSWER TO QUESTION TWO IS "NO," LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:
- | OWNER | LAND DESCRIPTION |
|-------|------------------|
| | |
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| | |
| | |



SECTION B.



THIS IS TO CERTIFY THAT THE INFORMATION IN SECTION A ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Southern Union Production Co.
Gilbert D. Noland, Jr.
Gilbert D. Noland, Jr.
(REPRESENTATIVE)
P. O. Box 808
Farmington, New Mexico

REGISTERED LAND SURVEYOR
THAT THE LOCATION SHOWN ON THE PLAT IN SECTION B IS PLOTTED FROM FIELD NOTES OF ACQUA SURVEYS MADE BY ME OR MY SURVEYOR AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE SURVEYED June 10, 1965
FOUR STATES ENGINEERING CO.
FARMINGTON, NEW MEXICO
REGISTERED ENGINEER OR LAND SURVEYOR
CERTIFICATE NO. 3602

Scale, 1 inch = 1,000 feet