

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 ☐MULTIPLE ☒

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 790 North Line & 1670 W Line

At proposed prod. zone Same as above

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

9 Miles Northwest of Ojito, New Mexico

15. DISTANCE FROM PROPOSED*

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

790 ft.

18. DISTANCE FROM PROPOSED LOCATION*

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

3630 ft.

16. NO. OF ACRES IN LEASE

2560

19. PROPOSED DEPTH

8010 ft.

17. NO. OF ACRES ASSIGNED
TO THIS WELL160 Pictured Cliffs
320 Dakota

20. ROTARY OR CABLE TOOLS

Rotary

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

6919 ft. Ungraded Ground Level

22. APPROX. DATE WORK WILL START*

May 13, 1968

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.75	300 ft.	250 sacks
9-7/8"	7-5/8"	26.40	3840 ft.	200 sacks
6-2/3"	4-1/2"	10.50	3690-8010 ft.	750 cu. ft. (liner)

We propose to drill a well to be fully completed in the Dakota and Pictured Cliffs formation.
Anticipated total depth 8010 ft.

1. Casing Program: Surface - 10-3/4", 32.75#, H-40 set at 300 ft. Cemented w/250 sacks.

Intermediate: 7-5/8", 26.40#, J-55 set at 3840 ft. Cemented w/200 sacks.

Liner: 4-1/2", 10.50#, J-55 set from 3690 ft. to T.D. of 8010 ft. and cemented w/approx. 750 cu. ft. of cement.

2. Well will be mud drilled from surface to 3840 ft. and gas drilled from 3840 ft. to T.D.

3. Pictured Cliffs and Dakota zones will be mud froed to stimulate production.

4. Baker Model "B" 4-1/2" Production packer will be set at approx. 7600 ft. I.I.B.

5. 1-1/2", E.H.E., 2.90#, JCM tubing will be run to Dakota and landed at approx. 7900 ft. H.E.

6. 1-1/2", Integral Joint, 2.75#, JCM tubing will be run to Pictured Cliffs and landed at approx. 3600 ft.

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 Superintendent

(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 drill 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 ACERAGE DEDICATION PLAT

RECEIVED

MAY 3 1968

All distances must be from the outer boundaries of the Section

U. S. GEOLOGICAL SURVEY
FARMINGTON, Well No.

Operator

Lease

SOUTHERN UNION PRODUCTION COMPANY

JICARILLA

A

9

Unit Letter

Section

Township

Range

County

C

14

26 NORTH

4 WEST

RIO ARriba

Actual Footage Location of Well:

790

feet from the

NORTH

line east

1670

feet from the

WEST

line

Ground Level Elev.

6916.0

Producing Formation

Pictured Cliffs

Pool

Basin Dakota

Topside Pictured Cliffs

Dedicated Acreage:

1/4 160

ACRES

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 communization, unitization, force-pooling, etc?

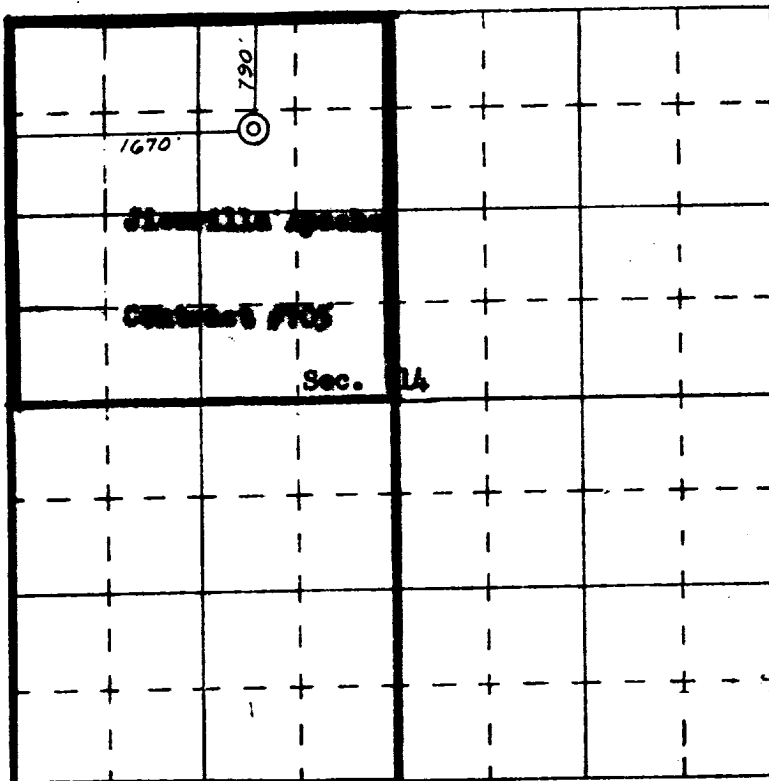
(☒) Yes (☐) No If answer is "yes," type of consolidation Communization

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary)

No allowable will be assigned to the well until all interests have been consolidated (by communization, 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



SCALE—4 INCHES EQUALS 1 MILE

CERTIFICATION

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

Original signed by

GILBERT D. NOLAND, JR.

Name

Gilbert D. Noland, Jr.

Position

Drilling Superintendent

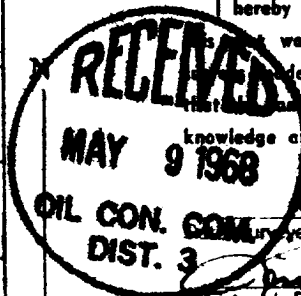
Company

Southern Union Production Co.

Date

May 7, 1968

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.



May 9, 1968

Registered Professional Engineer and/or Land Surveyor

JAMES F. LEASE

1463

Certificate No.