

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 800, Farmington, New Mexico 87401

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

At surface

1000 ft. from the south line - 1750 ft. from the east line.

At proposed prod. zone are as above

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

12 miles Northwest of Jito, New Mexico.

15. DISTANCE FROM PROPOSED*

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

1000 ft.

16. NO. OF ACRES IN LEASE

1000

17. NO. OF ACRES ASSIGNED
TO THIS WELL

1000 Pictured Bluffs

18. DISTANCE FROM PROPOSED LOCATION*

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

1950 ft.

19. PROPOSED DEPTH

7975

20. ROTARY OR CABLE TOOLS

diary

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

6933 ft. Ungraded ground level

22. APPROX. DATE WORK TO BE COMPLETED*

July 6, 1968

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-5/8"	10-3/4"	32.75	300 ft.	350 sacks
9-7/8"	7-5/8"	26.50	3750 ft.	350 cu. ft.
6-7/8"	5-1/2"	18.50	(3600-7975) Liner	750 cu. ft.

we propose to drill a well to be fully completed in the Dakota and Pictured Bluffs formations. Anticipated total depth 7975 ft.

1. casing Program:

Surface: 10-3/4", 32.75, 3-40 set 300 ft. cemented w/350 sacks.
Intermediate: 7-5/8", 26.50, 3-55 set 3750 ft. cemented w/350 cu. ft. cement.
Liner: 5-1/2", 18.50, 3-55 set from 3600 ft. - 7975 ft. cemented with 750 cu. ft. cement.

- Well will be mud drilled from surface to 3750 ft. and gas drilled from 3750 ft. to 7975 ft.
- Pictured Bluffs and Dakota zones will be sand fraced to stimulate production.
- Waker Model 1-1/2" production packer will be set at approx. 7600 ft. J.I.P.
- 1-1/2", J.U., 2.90, J.C. tubing will be run to Dakota and landed at approx. 7875' J.C.
- 1-1/2", Integral joint, 2.75, J.C. Tbg. will be run to Pictured Bluffs and landed at approx. 3500 ft. J.C.

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
B. R. VANDERSLICE
SIGNED B. R. Vanderslice TITLE Area Superintendent DATE July 3, 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE JUL 5 1968

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.