

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

Southwestern Natural Gas, Inc.

## 3. ADDRESS OF OPERATOR

900 Bank of the Southwest, Midland, Texas

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

At surface

1980' FNL &amp; 660' FWL

At proposed prod. zone

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

16 Miles West of Milnesand, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

660'

## 16. NO. OF ACRES IN LEASE

480

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

-0-

## 19. PROPOSED DEPTH

4600'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4429' ground level

## 22. APPROX. DATE WORK WILL START\*

June 14, 1968 \*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	7"	23#	1700'±	Sufficient to circulate
6-1/4"	4-1/2"	10.5#	4600'±	150 sks.

1. Drill 11" hole to top of Anhydrite (approx. 1700') and cement 7" casing to surface (circulated).
2. Test casing to 1000 psi to 30 mins.
3. Drill 6-1/4" hole to 4600' and run 4-1/2", 10.5# casing to 4600' (proposed total depth) and cement w/150 sks cement.
4. Run temperature survey. Pressure test 4-1/2" casing to 1000 psi for 30 mins.
5. Deviation surveys will be made on every trip or 500 feet. Maximum deviation allowed is 6°.

Verbal approval to spud 6-14-68 received from Mr. Brown, USGS, Hobbs, on 6-13-68.

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

TITLE

Office Manager

DATE

6-14-68

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

JUN 14 1968

A. R. BROWN  
DISTRICT ENGINEER

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

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

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?

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.



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

Name \_\_\_\_\_

Jan McCammon

Position

Office Manager

**Company**

Southwestern Natural Gas,  
Date Inc.

Date \_\_\_\_\_

June 14, 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 is true and correct to the best of my knowledge and belief.

May 11, 1968

Date Surveyed

Registered Professional Engineer  
and/or Land Surveyor

Certificate No.

1411

