

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COPIES TO O.C.C.
7/16/68

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 and 1980 FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 16 miles West of Milnesand

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1980

16. NO. OF ACRES IN LEASE
 160

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.

19. PROPOSED DEPTH
 4600

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4448 GR.

22. APPROX. DATE WORK WILL START*
 7-2-68

5. LEASE DESIGNATION AND SERIAL NO.
 NM 034546-B
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Federal "24"
 9. WELL NO.
 1
 10. FIELD AND POOL, OR WILDCAT
 Chaveroo
 11. SEC., T. E., M., OR BLK. AND SURVEY OR AREA
 24-T7-S, R-32-E
 12. COUNTY OR PARISH
 Roosevelt
 13. STATE
 New Mexico

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 1/2"	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 1/2" 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°.

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 prevention program, if any.

24. SIGNED Jan D. Cannon TITLE Office Manager DATE June 19, 1968

(This space for Federal or State office use)

APPROVED

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE JUN 26 1968 DATE _____

CONDITIONS OF APPROVAL, IF ANY:

J L GORDON
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-162
Supersedes C-128
Effective 1-1-65

HOBBS OFFICE, O. C. C.

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

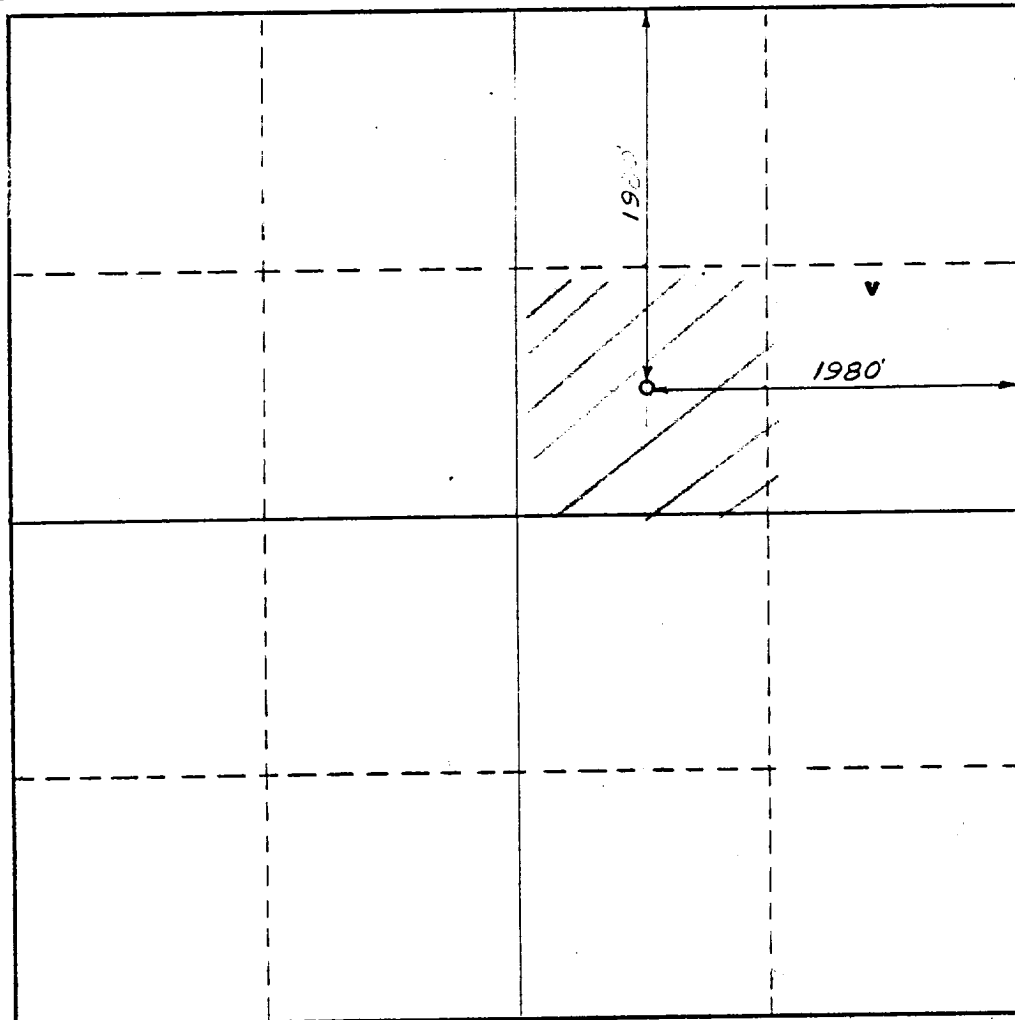
Operator Southwestern Natural Gas Co., Inc.		Lease June 21 10 44 AM '66		Well No. 1
Unit Letter C	Section 24	Township 7-South	Range 32 East	County Roosevelt
Actual Footage Location of Well: 1,980 feet from the North line and 1,980 feet from the East line				
Ground Level Elev. 4,448 ft.	Producing Formation San Andres	Pool Chaveroo	Dedicated Acreage: 40 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 communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

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.



CERTIFICATION

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

Jan McCammon
Name

Jan McCammon
Position

Office Manager
Company

Southwestern Natural Gas Co. Inc.
Date

June 19, 1966

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.

Date Surveyed
June 17, 1966

Registered Professional Engineer and/or Land Surveyor

Tommy E. Emery
Certificate No.

1411

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600