

HUBBS OFFICE O. C. C.  
JUN 11 1968 AM 1:00

SUBMIT IN TRIPPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

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 WESTERN STATES PRODUCING CO.

~~SOUTHWESTERN NATURAL GAS CO.~~

3. ADDRESS OF OPERATOR

900 Bank of the Southwest, Midland, Texas MAY 31 1968

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

At surface

1980' FNL & 660' FWL

At proposed prod. zone

U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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

16 miles west of Milnesand, New Mexico

10. 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

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.

-0-

19. PROPOSED DEPTH

4600

20. ROTARY OR CABLE TOOLS

Rotary

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

4449 GR

22. APPROX. DATE WORK WILL START\*

5-24-68

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"	10-1/2 #	4600± (TD)	150 sx

1. Drill 11" hole to 1700'. (Anhydrite). Cement 7", 23# casing to surface (circulated).
2. Test casing to 1000 psi for 30 minutes.
3. Drill 6-1/4" hole to 4600'. Run 4-1/2" 10-1/2# casing to 4600'. Cement with 150 sks cement.
4. Run temperature survey. Pressure test 4-1/2" casing to 1000 psi for 30 minutes.
5. Deviation surveys will be made on every trip or 500' which ever is first. 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 preventer program, if any.

24.

SIGNED

*John McCammon*

TITLE

Office Manager

DATE May 23, 1968

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
MAY 31 1968  
A. R. BROWN  
DISTRICT ENGINEER

DATE

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

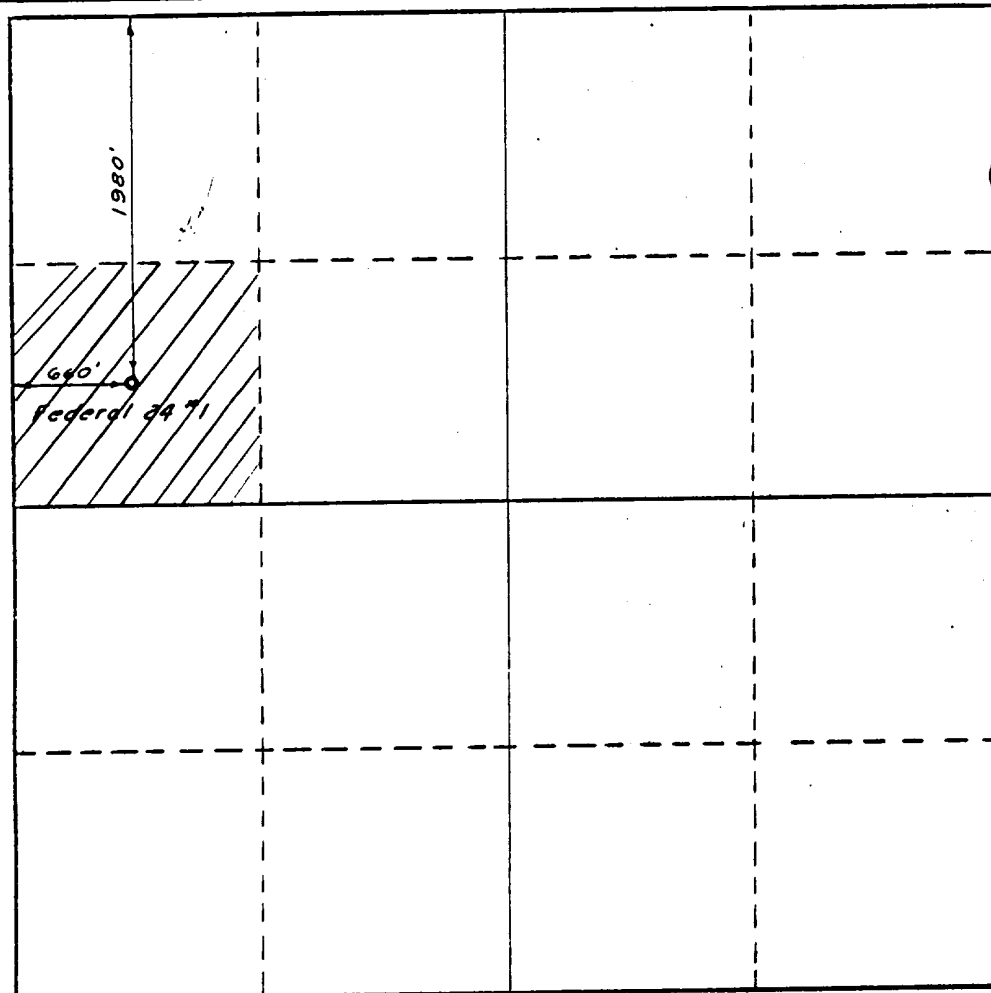
Operator WESTERN STATES PRODUCING CO. <del>SOUTHWESTERN NATURAL GAS CO., INC.</del>		Lease FEDERAL 24		Well No. 1
Unit Letter E	Section 24	Township T-7-S	Range 32 E	County Roosevelt
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the West line				
Ground Level Elev. 4449'	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.) Purchase of all leasehold rights.

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.

Name

Office Manager

Position

SOUTHWESTERN NATURAL GAS, INC.

Company

May 23, 1968

Date

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 17, 1968

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.

1411

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

7-16-68 Cont.  
Perf @ 4341', 4346', 4360', 4363', 4370',  
4389', 4394', 4398', 4565', 4570', 4574',  
4580', 4585' W/1 SPI  
Acc. to Acid, would not break  
7-22-68 TD 4700', prep re-perf.  
7-29-68 TD 4700', TOP  
Perf @ 4341', 4346', 4360', 4363', 4370',  
4389', 4394', 4398', 4565', 4570', 4574',  
4580', 4585' W/1 SPI  
Acid (4341-4585') 1500 gals.  
Swbd 58 BF in 11 hrs & swbd dry (4341-4585')  
TD 4700', TOP  
8-10-68 TD 4700', TOP  
Pmpd 39 BO in 24 hrs.

8-18-68 TD 4700', TOP  
8-25-68 TD 4700', TOP  
9-1-68 TD 4700', TOP  
9-12-68 TD 4700', TOP  
10-21-68 TD 4700', COMPLETE  
LOG: Rust 1700', Yates 2260', Seven Rivers  
2370', Queen 2950', San Andres 3414'.

