

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  
 Lone Star Producing Company

3. ADDRESS OF OPERATOR  
 Box 4815, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 660' South of North Line, 660' West of East Line of Section 20, T-8-S, R-36-E, Unit A  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 4 miles Southeast 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  
 80

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH  
 PSTD 4,980'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4,121.4' Ground

22. APPROX. DATE WORK WILL START\*  
 January 23, 1967

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Present production zone, Bough "C" from 9,642'-58', produces an average of 158 barrels oil and 127 barrels water per month. Proposed plug back procedure: Squeeze Bough "C" Penn zone 9,642'-58', perforations, with 75 sacks cement. Perforate 7" OD casing for cement job over San Andres Lime zone at 5,050'. Cement with 100 sacks. After cement has set, perforate at 5,000' and squeeze to 4000#. Perforate at 4,925' and squeeze to 4000#.

Perforate for completion 4,959'-73' (14'), one hole per foot. Treat with 1,000 gallons MCA acid and test.

19. 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 sub-surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.  
 SIGNED \_\_\_\_\_ TITLE Dist. Prod. Supt. DATE January 16, 1967

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: