

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

FEB 1 1972

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PERRY R. BASS

D. C. C.

3. ADDRESS OF OPERATOR

ARTISIA, OFFICE

P. O. Box 1178, Monahans, Texas 79756

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

At surface

660' FNL and 1980' FEL, Section 30, T-20-S, R-31-E,

At proposed prod. zone Eddy County, New Mexico

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

24 1/2 miles East of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 660'

(Also to nearest drilg. unit line, if any) 1/2 mile

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

4600'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

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

3570' KDB 3552' GL

22. APPROX. DATE WORK WILL START*

within 30 Days after approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65	796	850 sx. cement circulated
13-3/4"	11-3/4"	47	2164	900 sx. cement circulated
10-5/8"	8-5/8"	24 & 32	3913	1150 sx. cement circulated
7-7/8"	5-1/2"	17 & 20	11517	500 sx.

The well is presently completed in the Strawn Zone, 11398 to 11406' and 11411 to 11420'. (Top of Strawn Reef: 11395'; -7825). This lower zone will be abandoned by setting a cement retainer at 11350', displace hole with 9.8 PPG mud-laden brine and cement existing Strawn perforations with 50 sx. class H cement. One bbl. volume of cement will be spotted on top of retainer. A 60 sx. class H cement plug will be spotted every 1500' and across 5 1/2" casing cut (calc. top of cement 8250') up to 4600'.

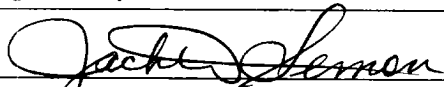
A production string of 5 1/2" OD 17#/ft. N-80 casing will be set at approximately 4600' and cemented with 275 sx. Incor neat.

The well is to be re-completed in the Delaware zone by perforating the 5 1/2" casing 4476' to 4486' and stimulating as needed.

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 Division Engr.

DATE February 1, 1972

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

APPROVED
FEB 1 1972J. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side