

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

Champlin Petroleum Company ✓

3. ADDRESS OF OPERATOR

701 Wilco Bldg., Midland, Texas 79701

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

At surface
1980' FWL & 660; FNL, Unit Letter C

At proposed prod. zone

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

5 miles east of Carlsbad, New Mexico

16. DISTANCE FROM PROPOSED*

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

660'

18. NO. OF ACRES IN LEASE

120.27

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

10,500 P.B.

20. ROTARY OR CABLE TOOLS

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

3109 DF

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	452	450 sacks
12-1/4"	9-5/8"	36#	2615	1401 sacks
8-3/4"	7"	28.72 & 25.66	11,397	550 sacks
7" Csg.	5"	23.2#	11,193-12,098	105 sacks

The Pecos-Federal No. 1 is presently dually completed in the Strawn and Morrow Formations. The Strawn zone has watered out and the Morrow zone has depleted. To restore production it is proposed to plug back from these zones and recomplete as a single gas well in the Wolfcamp Lime 9399'-9405' and 9787'-9806'. Set cement retainer @ 11,300' in 5" liner, squeeze with 125 sacks cement to squeeze off Morrow perms. 11,757'-11,772'. Set cement retainer @ 10,450' in 7" csg., squeeze with 150 sacks cement to squeeze off Strawn perms 10,492'-10,608'. Run casing gun, perforate Wolfcamp 9787'-9796' and 9802'-9806' (15 holes). Run 2-7/8" tubing with packer and acidize w/2500 gals. 7½% inhibited acid. Swab test to evaluate whether to fracture, when well has stabilized, shut in well and run in with tubing gun on wireline. Perforate Wolfcamp zone 9399'-9405' (7 holes). Flow well to clean up and test. A Space-saver type BOP w/pipe and blind rams with hydraulic closing unit will be used.

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

Walter McDonald

TITLE District Clerk

DATE 1-7-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED
JAN 10 1975

APPROVED BY

COMMISSIONER OF GEOSCIENCES, IF ANY

H. C. BEEKMAN

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS
EXPIRES APR 10 1975

*See Instructions On Reverse Side

RECEIVED

JAN 13 1975

O. C. C.

ARTESIA, NEW MEXICO