

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

Continental Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 460, Hobbs, N.M.

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

At surface

1650' FNL & 1650' FWL of Sec. 1, T-24S, R-36E,

At proposed prod. zone Lea County, New Mexico, NMPM.

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

13 mi SW Eunice, N.M.

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

1920'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.2064 West
of No. 1

19. PROPOSED DEPTH

3625'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3353 DF

22. APPROX. DATE WORK WILL START*

7-10-65

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10 3/4 OD	32#	342	250
9 5/8"	7 5/8 OD	24#	2810	600
6 3/4"	4 1/2" OD (Liner)	9.5#	3625	110

It is proposed to deepen and recompleat Vaughn B-1 No. 2 using the following procedure: 1) Kill well, drill out cement plug from 3420' to 3574' and deepen well to 3625' with 6 3/4" bit. (6-3/4 inch hole from 3520' to 3507' and 4 3/4 inch hole from 3507' to 3474'). 2) Run Gamma Ray-Sonic and Laterolog. 3) Run and cement 850' - 4 1/2" OD liner at 3625'. 4) Run Gamma Ray-Collar log and selectively perforate Queen formation. 5) Acidize formation with 1000 gallons and frac with 40,000 gallons lease crude, 60,000 pounds sand, and 2,000 pounds "ADOMITE". 6) Place on production. 7) Clean out sand if necessary.

Your approval is requested.

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

Staff Supervisor

DATE

7-9-65

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

USGS-5, NMOCC-2, LPT, ATL ROS-2, PAN AM-HOBBS-3, CALIF MID-2.

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

LC 030467 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

NMFU

8. FARM OR LEASE NAME

Vaughn B-1

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Langlie Mattix Pool

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 1, T-24S, R-36E

12. COUNTY OR PARISH

Lea

13. STATE

N.M.