

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
LC-031621 (6)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
SEMU

8. FARM OR LEASE NAME
SEMU Penn

9. WELL NO.
61

10. FIELD AND POOL, OR WILDCAT
Cass Penn

11. SEC., T., R., M., OR BLK AND SURVEY OR AREA
Sec. 15, T-20S, R-37E

12. COUNTY OR PARISH
Lee

13. STATE
N.M.

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 *990' FSL + 990' FEL 0/ Sec. 15, T-20S, R-37E, Lea County, New Mexico*
 At proposed prod. zone
Same

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

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

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
PBTD 7600'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3559 Dg

22. APPROX. DATE WORK WILL START*
Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<i>13 3/4"</i>	<i>9 5/8"</i>	<i>48 3/4</i>	<i>3998'</i>	<i>W/1925 ct</i>
<i>8 3/4"</i>	<i>7"</i>	<i>23 7/8</i>	<i>7744'</i>	<i>W/500 ct</i>

It is proposed to permanently abandon the Penn formation and recomplete this well in the Subb and Drinkard formations. Following is procedure: Set a retainer at 7600' and cement w/50 ct. Perf Drinkard 6640, 6644, 6647, 6650, 6654, 6657, 6662, 6666, 6670, 6674, 6862, 6869, 6873, 6876, 6889, 6891 w/ 95 SF. Great perf 6640 - 6891 in stages. Stage I - 6862 - 6891 w/ 2000 gals 15 PC acid. Stage II - 6676 - 6640 w/ 2000 gals 15 PC acid. Then free w/ 20,000 gal wtr + 30,000 20-40 sand. Perf Subb 6425, 6433, 6439, 6443, 6447, 6499, 6505, 6509, 6514, 6545, 6568 w/ 95 SF. Great perf w/ 2500 gals 15 PC acid. Run prod. equipment and place well on prod.

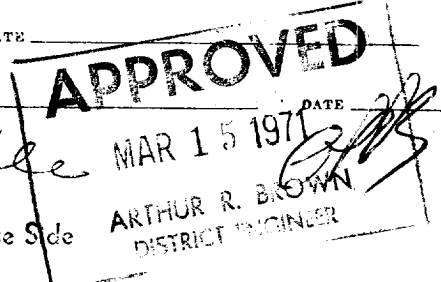
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *M E Vinther* TITLE *Administrative Supervisor*, DATE *3-11-71*

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
USGS (5) NMFU (4) File



*See Instructions On Reverse Side

RECEIVED

MAY 1 1971

CONSERVATION COMM.
BOSTON, MASS.