

UNITED STATES
DEPARTMENT OF THE INTERIOR

Revised Procedure 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

1. NAME OF OPERATOR
 Tesoro Petroleum Corporation

2. ADDRESS OF OPERATOR
 1776 Lincoln Street, Suite 1012, Denver, Colorado 80203

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1600' FSL and 330 FEL
 At proposed prod. zone
 Same as above.

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 1 mile east of Hospah, New Mexico

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

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

7. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6860' GR; 6871' KB

5. LEASE DESIGNATION AND SERIAL NO.
 NM 052931

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Hanson

9. WELL NO.
 24

10. FIELD AND POOL, OR WILDCAT
 Upper Hospah So., Ext.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 6, T17N, R8W

12. COUNTY OR PARISH
 McKinley

13. STATE
 New Mexico

16. NO. OF ACRES IN LEASE
 551.94 ±

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

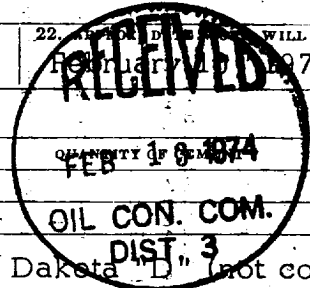
18. PROPOSED DEPTH
 PBD 1590'

20. ROTARY OR CABLE TOOLS

22. MONTH AND YEAR WILL START*
 February 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH



11/7/73 Well capable of pumping only 3/4 BO + 17 BWPD from Dakota "D" (not considered commercial).

Tesoro proposes to plug back from the Dakota "D" and complete in the Upper Hospah according to the following procedure:

1. Pull rods and downhole pump.
2. Spot a 12 sk. cement plug (approx. 110') over the Dakota perms. 2608-15 ft. and bradenhead squeeze these perms.
3. Perforate 1598 to 1600', set a cement retainer @ 1590' and block squeeze top of lower Hospah zone with approx. 75 sx of cement.
4. Perforate the Upper Hospah 1554-61' and 1563-67'.
5. Re-run tubing, swab well off and test.
- * 6. If well is commercially productive place well on pump and potential.

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.

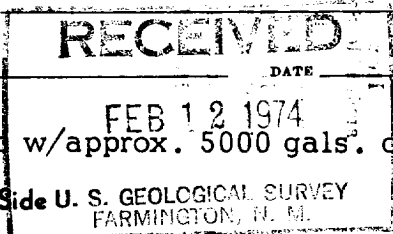
24. SIGNED L. Charles Margrant TITLE District Engineer DATE 2/6/74

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



*If well is not commercial it may be necessary to sand frac w/approx. 5000 gals. of gelled oil and 5000 lbs. of sand.

*See Instructions On Reverse Side U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.