

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

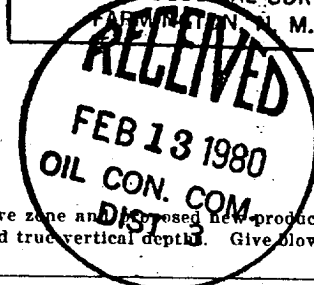
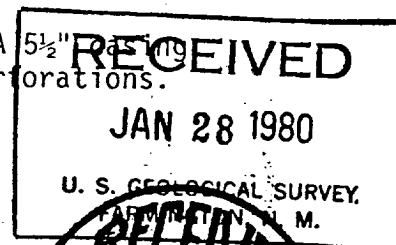
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|--|--|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NM-052931 | |
| b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection Well <input checked="" type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Tesoro Petroleum Corp. | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR 2000 1st of Denver Plaza, 633 17th St., Denver, CO 80202 | | 8. FARM OR LEASE NAME Hanson Federal | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2310' FEL & 990' FSL At proposed prod. zone Same | | 9. WELL NO. 34 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles SE of White Horse, NM | | 10. FIELD AND POOL, OR WILDCAT Hospah Lower Sand | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 990' | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6-17N-8W | |
| 16. NO. OF ACRES IN LEASE 511.94 | | 12. COUNTY OR PARISH McKinley | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | | 13. STATE NM | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 430' | | 20. ROTARY OR CABLE TOOLS Rotary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6881' GR | | 22. APPROX. DATE WORK WILL START* 2/15/80 | |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4 | 8 5/8" | 24# | 90' | 40 sx - to surface |
| 7 7/8 | 5 1/2" | 14# | 1650' | 125 sx |

This is to be a water injection well for the Lower Hospah Sand. A 5 1/2" casing string will be run and cemented and the well completed through perforations.

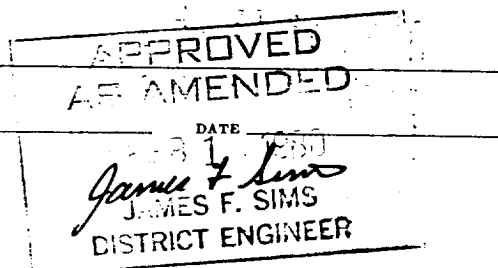
(See attached 10-Point Plan for additional information.)



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 Kary J. Kaltenbach TITLE District Engineer DATE 1/15/80
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____



NMOCC

All distances must be from the outer boundaries of the Section

| | | | | | |
|---|---------------------|------------------------|------------------------|---------------------------|-----------------------|
| Operator TESORO PETROLEUM CORPORATION | | | Lease HANSON | | Well No. 34 |
| Unit Letter 0 | Section 6 | Township 17N | Range 8W | County McKinley | |

Actual Footage Location of Well:

990 feet from the **South** line and **2310** feet from the **East** line

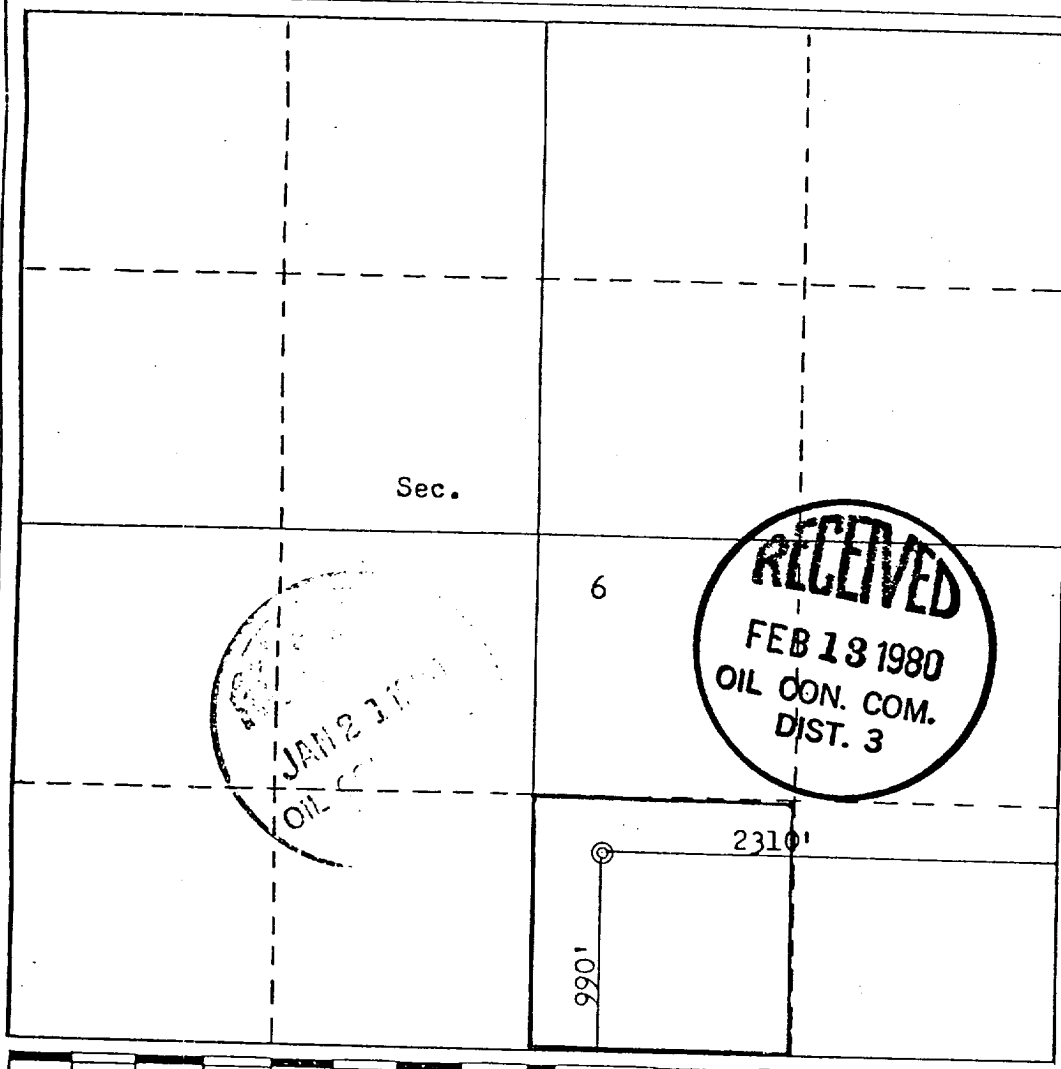
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|-----------------------------------|---|--|---------------------------------------|
| Ground Level Elev. 6881 | Producing Formation Lower Hospah Sand | Pool South Hospah Lower Sand | Dedicated Acreage: 40 Acres |
|-----------------------------------|---|--|---------------------------------------|

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
Kay J. Kattenbach
Position
District Engineer
Company
Tesoro Petroleum Corp.

Date
January 24, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
January 7, 1980
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No.
3950