

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-19672
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Harvey E. Yates Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1933, Roswell, New Mexico 88201		8. FARM OR LEASE NAME Pennzoil Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 1980' FWL		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles Northeast of Carlsbad, N.M.		10. FIELD AND POOL, OR WILDCAT Scanlon Morrow
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T-20S, R-29E
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE N.M.
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3960'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3334.4' GR		22. APPROX. DATE WORK WILL START* 4/14/81

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#	710'	625 SX
12 1/4"	9 5/8"	36#	3210'	1600 SX
8 3/4"	4 1/2"	11.6#-13.5#	12000'	825 SX

PLUG BACK MORROW PERFORATIONS WITH CAST IRON BRIDGE PLUG & 50 FEET OF CEMENT ON TOP (11,450'). PERFORATE AND ACIDIZE STRAWN FORMATION @ 10,521'-10,550'. TEST FOR PRODUCTION.

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. Paul Hardie ENGINEER DATE April 13, 1981

(This space for Federal or State office use)

PERMIT NO. APPROVED APPROVAL DATE APR 15 1981

APPROVED BY JAMES A. GILLHAM TITLE DISTRICT SUPERVISOR DATE APR 15 1981

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

See Instructions On Reverse Side