

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-025-26 ~~945~~

**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  
 Harvey E. Yates Company

3. ADDRESS OF OPERATOR  
 P. O. Box 1933, Roswell, N. M. 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 330' FSL & 1650' FEL  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 8 miles east of Halfway, N. M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330'

16. NO. OF ACRES IN LEASE  
 1760.21

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

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

19. PROPOSED DEPTH  
 3550'

20. ROTARY OR CABLE TOOLS  
 Rotary and then cable tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3659.1' GL

22. APPROX. DATE WORK WILL START\*  
 3-15-80

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	3200' <i>SR 100</i>	1200 Sx <i>BASE 2500' 100</i>
7 7/8"	4 1/2"	9.5#	3550'	150 Sx <i>Cement 4 1/2" casing</i>

Program:

1. Drill with rotary tools to 3200'.
2. Set 8 5/8" casing and release rotary rig.
3. MI cable tools and deepen from 3200' to 3550'.
4. If problems of hole sloughing or water influx occurs, 7"OD casing will be run and mudded in.
5. Drill out to TD & run 4 1/2" casing and pull 7" out of hole.
6. Cement 4 1/2" casing.

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U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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 *Paul Hardie* TITLE Engineer DATE 3-7-80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OFFICE OF THE SECRETARY OF ENERGY  
WASHINGTON, D.C. 20585

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MAR 20 1980  
OIL CONSERVATION DIV.