

CLSF

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 330' FSL & 990' FEL
 At proposed prod. zone Unit Ltr. P
 MAY 27 '88
 O. C. D.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9 miles S & E of Loco Hills, New Mexico
 ARTESIA, OFFICE

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

16. NO. OF ACRES IN LEASE 680.07
 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. NA
 19. PROPOSED DEPTH WO 4312-4410'
 20. ROTARY OR CABLE TOOLS 0-TD

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3716 GL
 22. APPROX. DATE WORK WILL START* ASAP

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#	353'	250 SXS TOC-surface
7 7/8	5 1/2	17#	5410'	2025 SXS TOC-surface

5. LEASE DESIGNATION AND SERIAL NO.
 NM 2537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 South Taylor 13 Federal

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Undesignated Grayburg

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
 Sec. 13, T18S, R31E

12. COUNTY OR PARISH
 Eddy

13. STATE
 NM

- 1) Hot water casing 2 days prior to moving on well.
- 2) Pull out of hole w/rods and pump.
- 3) Unset anchor and pull out of hole w/tbg and anchor.
- 4) Install full lubricator and load hole w/1/2% KCL water.
- 5) Perf 1 JSPF @ 4312', 14', 16' and 4407', 08', & 4410'.
- 6) Go in hole w/RBP, packer and tbg, set RBP CIBP @ 5000+
- 7) Acidize w/300 gals 15% SRA followed w/1200 gals same & BS.
- 8) Swab to recover load.
- 9) Frac perfs (4312-4410') w/40,000 gals WF45 and 60,000# 16-30 Ottawa.
- 10) Flow back frac to pits and go in hole and rev. out sand.
- 11) Run tbg. anchor pump and rods and hang on production.
- 12) Turn over to pumper.

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 [Signature] TITLE Reservoir Engineer/Manager DATE May 20, 1988

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 ORIG. SOG OF _____
 CHIEF, _____
 APPROVED BY _____ TITLE _____ DATE 5-26-88
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side