

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-25398

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. UNIT AGREEMENT NAME		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			8. FARM OR LEASE NAME Hondo 4 Federal		
2. NAME OF OPERATOR Harvey E. Yates Company ✓			9. WELL NO. 3		
3. ADDRESS OF OPERATOR P. O. Box 1933, Roswell, New Mexico 88201			10. FIELD AND POOL, OR WILDCAT Und. Bone Springs		
4. LOCATION OF WELL (Report location clearly and in accordance with any State Requirements*) At surface 660' FSL & 660' FEL At proposed prod. zone Same			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 4, T-18S R-31E		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7 miles southwest of Maljamar, NM			12. COUNTY OR PARISH Eddy		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			16. NO. OF ACRES IN LEASE 480.08		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. 1867'			19. PROPOSED DEPTH 8900'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3722.3 GL			22. APPROX. DATE WORK WILL START* As soon as possible		

### 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	54.5	400'	circ.
11	8 5/8	24#	2100'	Circ.
7 7/8	5 1/2	17	8900'	Sufficient to cover 600' above pay zone.

Mud Program:

0-400'	Spud mud
400-2100'	Brine water
2100-8900'	Fresh water

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.

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SIGNED N.M. Young N.M. Young TITLE Drilling Superintendent DATE 8/21/85

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 7-12-05  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Posted IDI  
APR 20 1985