

Form 9-331 C  
(May 1963)SUBMIT IN T ICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.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 checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 27277
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR C. E. LaRue and B. N. Muncy, Jr.			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 196, Artesia, New Mexico 88210			8. FARM OR LEASE NAME Gates Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FSL & 2310' FWL, Section 15, T18S, R30E At proposed prod. zone Grayburg			9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles south of Loco Hills, New Mexico			10. FIELD AND POOL, OR WILDCAT Leo (Q,Gr)
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 15, T18S, R30E
16. NO. OF ACRES IN LEASE 680			12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3700'			20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3502 GL			22. APPROX. DATE WORK WILL START* June 12, 1979

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6-1/4"	4-1/2"	10-1/2#	3700'	200 sacks

Well has 530' of 8-5/8" cemented with 100 sacks, 1700' of 7" cemented with 100 sacks. Propose to deepen to 3700' and run 4-1/2 to surface.

RECEIVED

JUN 11 1979

U.S. GEOLOGICAL SURVEY  
ARTESIA, 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 [Signature] TITLE Operator DATE 6/8/79  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE JUN 19 1979

APPROVED BY [Signature] TITLE ACTING DISTRICT ENGINEER DATE JUN 19 1979  
CONDITIONS OF APPROVAL, IF ANY

*subject to circulating cement behind the 4 1/2" casing to the surface*

\*See Instructions On Reverse Side