

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-56264
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 Read & Stevens, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 1518 Roswell, New Mexico 88201		8. FARM OR LEASE NAME North Lea Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1880' FNL & 1980' FWL At proposed prod. zone Same		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 33.5 miles southwest of Hobbs, NM		10. FIELD AND POOL, OR WILDCAT North Lea Penn
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 760'	16. NO. OF ACRES IN LEASE 480	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10-T20S-R34E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3,000'	19. PROPOSED DEPTH 13,900'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3639 GL		13. STATE New Mexico
22. APPROX. DATE WORK WILL START* August 15, 1986		

## 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#	1600'	1065 sx "HLW" + 200 sx "C" Circ.
12 1/4"	9 5/8"	40.0#	5200'	D.V. Tool 3200' 1st stage: 225 sx "HLW", 300 sx "H" 2nd stage: 1400 sx "HLW" salt sat. 200 sx "C". 500 sx 50/50 PO <sub>2</sub> T.O.C. @ 10,000'

Mud Program: 8 1/2" 7" 26 & 29# 13,900'  
0' - 1,600' Fresh water native mud, 8.7 - 9.0 PPG, Vis 34 - 36.  
1,600' - 5,200' Brine water 10.0 - 10.3 PPG, Vis 28 - 29, N WL control.  
5,200' - 9,500' Cut brine, 8.7 - 9.2 PPG, Vis 28 - 29, No WL control.  
9,500' - 13,900' Brine water, 9.8 - 10.3 PPG, Vis 34 - 36, WL 10 - 15 cc.

BOP Program: At 5200' will install the 5000# WP Hydril annular, the 5000# WP Hydril Double and Single Ram 10" BOP. The BOP equipment will be tested at this time. See Exhibit "D".

Gas is not dedicated.

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 Georges Smith Agent for:  
TITLE Read & Stevens, Inc. DATE July 15, 1986  
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED