

N. M. OIL & GAS COMMISSION
P. O. BOX 1990
HOBBBS, NEW MEXICO 88240
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

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. LC-067229-A |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 2. NAME OF OPERATOR ECHO PRODUCTION, INC. | | 7. UNIT AGREEMENT NAME |
| 3. ADDRESS OF OPERATOR P.O. BOX 1210, GRAHAM, TEXAS 76046 | | 8. FARM OR LEASE NAME TEXACO FEDERAL |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FNL AND 1980' FWL OF SECTION 14 At proposed prod. zone | | 9. WELL NO. 1 |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 MILES SOUTHEAST OF MALJAMAR, NEW MEXICO | | 10. FIELD AND POOL, OR WILDCAT UNDES. MESCALERO ESCARPE BS |
| 10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660' | 16. NO. OF ACRES IN LEASE 160 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 14, T. 18 S., R. 33 E. |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. - | 19. PROPOSED DEPTH 9500' | 12. COUNTY OR PARISH LEA |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3970' GL | | 13. STATE NEW MEXICO |
| 22. APPROX. DATE WORK WILL START* UPON APPROVAL | | |

23. 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' | SUFFICIENT TO CIRCULATE |
| 12-1/4" | 8-5/8" | 24# & 32# | 3300' | SUFFICIENT TO CIRCULATE |
| 7-7/8" | 5-1/2" | 15.5# & 17# | 9500' | 230 SACKS |

AFTER SETTING PRODUCTION CASING, PAY ZONE WILL BE PERFORATED AND STIMULATED AS NECESSARY.

SEE ATTACHED FOR: SUPPLEMENTAL DRILLING DATA
BOP SKETCH
SURFACE USE AND OPERATIONS PLAN
OPERATOR-SURFACE OWNER AGREEMENT

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 Arthur R. Brown TITLE Agent DATE August 6, 1985
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Don W. ... TITLE ... DATE 8-26-85
CONDITIONS OF APPROVAL, IF ANY: ...

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

RECEIVED
AUG 21 1985
O.C.S.
HOBBS OFFICE