

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|   |                                 |   |
|---|---------------------------------|---|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>  |                                 | 5. LEASE DESIGNATION AND SERIAL NO.<br>NM-19450                       |
| b. TYPE OF WELL<br>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<br>N/A                           |
| 2. NAME OF OPERATOR<br>Conquest Exploration Company   |                                 | 7. UNIT AGREEMENT NAME<br>N/A   |
| 3. ADDRESS OF OPERATOR<br>4201 F.M. 1960 West, Suite 500, Houston, Texas 77068  |                                 | 8. FARM OR LEASE NAME<br>Federal                                      |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)<br>At surface<br>1980' FNL & 660' FWL (SW NW)<br>At proposed prod. zone<br>Same  |                                 | 9. WELL NO.<br>1  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>Location is 37.6 miles east of Loving, New Mexico  |                                 | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                             |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)<br>660'   | 16. NO. OF ACRES IN LEASE<br>80 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 17 T23S R33E |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>---   | 19. PROPOSED DEPTH<br>9000'     | 12. COUNTY OR PARISH<br>Lea   |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>3706' GR  |                                 | 13. STATE<br>New Mexico   |
| 22. APPROX. DATE WORK WILL START*<br>February 1, 1984   |                                 |   |

## 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" New    | 54.5# J-55 ST&C | 500'          | 530 sx Class "C" + additives              |
| 11"          | 8-5/8" New     | 32# J-55 ST&C   | 5100'         | 385 sx Class "C" neat <i>See step "D"</i> |
| 7-7/8"       | 5-1/2" New     | 17# N-80 LT&C   | 9000'         | 390 sx 65/35 pozmix + additives           |

1. Drill 17-1/2" hole and set 13-3/8" surface casing to 500' with good returns.
2. Drill 11" hole and set 8-5/8" intermediate casing to 5100' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 7-7/8" hole to 9000'.
4. Run tests if warranted and run 5-1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

## EXHIBITS ATTACHED:

- |                         |   |
|-------------------------|---|
| "A"                     | Location and Elevation Plat                                       |
| "B"                     | Drilling Program to Accompany A.P.D.                              |
| "C"                     | The Blowout Preventer Diagram                                     |
| "D"                     | Surface Use Program to Accompany A.P.D.                           |
| "E" & "E <sub>1</sub> " | Access Road Maps to Location                                      |
| "F"                     | Radius Map of Field   |
| "G" & "G <sub>1</sub> " | Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections |
| "H"                     | Drill Rig Layout  |

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

TITLE Drilling SuperintendentDATE 12/15/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

(Orig. Sgd.) James A. Gilham

Acting District Manager

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

JAN 20 1984  
APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

RECEIVED  
JAN 24 1984  
O.C.D.  
HOBBS OFFICE