- ICATE\* SUBMIT IN (Other instru-reverse sige)

Form approved. Budget Bureau No. 42-R1425.

## UNITED STATES

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|---|-----|----|-----|-------|------|-----|-----|------------|-----|---|
|   | LEA | SE | DES | IGNA: | CION | AND | SEI | RIAL       | No. | • |

| DEPARTMENT OF THE I  | NTERIOR                      |          | 5. LEASE DESIGNATION       |                |
|--|------------------------------|----------|----------------------------|----------------|
| GEOLOGICAL SURV  |                              |          | }                          | •              |
| GEOLOGICAL SORV  |                              |          | LC 057674 (                |                |
| APPLICATION FOR PERMIT TO DRILL,   | DEEPEN, OR PLUG B            | ACK      | 6. IF INDIAN, ALLOTTEE     | OR TRIBE NAME  |
| 1a. Type of work   |                              |          |                            |                |
| DRILL 🖸 DEEPEN   | PLUG BAC                     | K 🗌      | 7. UNIT AGREEMENT N.       | ME             |
| b. TYPE OF WELL  |                              |          |                            |                |
| OIL CAS WELL OTHER   | SINGLE MULTIP                | TE       | 8. FARM OR LEASE NAM       | E              |
| 2. NAME OF OPERATOR  |                              |          | Daugherity                 |                |
| THE DAMEDDDICKS  |                              |          | 9. WELL NO.                | <del></del>    |
| JFG ENTERPRISES 3. ADDRESS OF OPERATOR                                   |                              |          | •                          |                |
| J. ADDRESS OF OFEREION   | RECEIVE                      | D        | 11                         |                |
| P.O. BOX 100, ARTESIA, NEW MEXICO  | 88210                        |          | 10. FIELD AND POOL, O      | R WILDCAT      |
| 4. LOCATION OF WELL (Report location clearly and in accordance wi        | th any State requirements.*) |          | Daugherity-                | Can Andrea     |
| At surface 330' FNL & 2310' FEL Section                                  | 10, SEP 22 1977              |          | 11. SEC., T., R., M., OR I | Jan Andres     |
| T 17S, R 27E.  | 021 22 1377                  |          | AND SURVEY OR AR           | EA             |
| At proposed prod. zone   |                              |          |                            |                |
| Same   | O. C. C.                     |          | Sec. 10, T17S,             | R27E.          |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POS             | ST OFFICE ARTESIA, OFFICE    |          | 12. COUNTY OR PARISH       | 13. STATE      |
| 8 Miles North East of Artesia, New                                       | Mexico                       |          | Eddy                       | New Mexico     |
| 15. DISTANCE FROM PROPOSED*  | 16. NO. OF ACRES IN LEASE    |          | OF ACRES ASSIGNED          | ·              |
| LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.                          | 242                          | тот      | HIS WELL                   |                |
| (Also to nearest drlg. unit line, if any)                                | 240                          | 1        | 40                         | •              |
| 18. DISTANCE FROM PROPOSED LOCATION*                                     | 19. PROPOSED DEPTH           | 20. ROTA | RY OR CABLE TOOLS          |                |
| TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. | 2180                         | 1        | Rotary                     |                |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)                           |                              | <u> </u> | 22. APPROX. DATE WO        | T THIS DOLLARS |
| 21. ELEVATIONS (SHOW WHEELER Dr. KI, Cit, etc.)                          |                              |          | DE. RITKON, DATE WO        | M WILL START   |
| Ground 3430  |                              |          | October 1,                 | 1977           |
| 23. PROPOSED CASI  | NG AND CEMENTING PROGRA      | M        |                            |                |

| 20. | PROPOSED CASING AND CEMENTING PROGRAM |                |                 |               |                                |  |  |  |
|-----|---------------------------------------|----------------|-----------------|---------------|--------------------------------|--|--|--|
|     | SIZE OF HOLE                          | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT             |  |  |  |
|     | 11"                                   | 8 5/8"         | 20#             | 400'          | 125 sx. Class C W/4% Gel: Circ |  |  |  |
|     | 6 1/4                                 | 4 1/2"         | 9.5#            | 2180'         | 175 sx. Cl. "C" 50/50 Posmix.  |  |  |  |
|     |                                       | 1              |                 |               | ,                              |  |  |  |

- Proposed depth 2180.
- Move in rig: Spud: Drill 400' 11" Hole. Set 400' 8 5/8" 20# Casing. 2.
- Reduce hole size to 6 1/4" & drill to 2180': Run Dual Induction Focused Log, & 3. Sidewall Nuetron Gamma Ray.
- Either plug and abandon or run 4 1/2" 9.5# J-55 Casing. 4.

## RECEIVED

SEP 8 1977

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 2. J. Fletcher                        | TITLE agart   | DATE 9-6-77 |
| (This space for Federal or State office use) |   |             |
| PERMIT NO.                                   | APPROVADATIONS  APPROVADATIONS  APPROVADATIONS  MONTHS  OT COMMENCED WITHIN 3 MONTHS. |             |
| 500  | CED IF MONTHS.  |             |
| KEPROVED BY 2 - 19                           | THEORY WITHING 3  | DATE        |
| CONNECTIONS OF ABPROVAL, IF ANY:             | PROYAL MENCED WILLIAM   |             |
| THIS N                                       | or con The same   |             |
| A SEE N                                      | *See Instructions On Reverse Side   |             |
| ACTING DISTRICT PRINCIPLES EXPIR             |   |             |