

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|                                                                                                                                                                                                                            |  |                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|
| 1a. TYPE OF WORK<br>DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>                                                                                           |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>I - Sec - 276</b>                   |  |
| 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>***                                   |  |
| 2. NAME OF OPERATOR<br><b>Skelly Oil Company</b>                                                                                                                                                                           |  | 7. UNIT AGREEMENT NAME<br><b>Skelly Unit</b>                                  |  |
| 3. ADDRESS OF OPERATOR<br><b>P.O. Box 730, Hobbs, New Mexico</b>                                                                                                                                                           |  | 8. FARM OR LEASE NAME<br>***                                                  |  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)<br>At surface<br><b>1980' FWL and 1980' FWL Section 27-178-31E</b><br>At proposed prod. zone<br><b>Grayburg and San Andres</b> |  | 9. WELL NO.<br><b>96</b>                                                      |  |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br><b>Seven miles Southwest of Maljamar, New Mexico</b>                                                                                              |  | 10. FIELD AND POOL, OR WILDCAT<br><b>Grayburg Jackson</b>                     |  |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.<br>(Also to nearest drlg. unit line, if any)                                                                                                   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>Section 27-178-31E</b> |  |
| 16. NO. OF ACRES IN LEASE<br><b>5200</b>                                                                                                                                                                                   |  | 12. COUNTY OR PARISH<br><b>Reddy</b>                                          |  |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL<br><b>40</b>                                                                                                                                                                        |  | 13. STATE<br><b>New Mexico</b>                                                |  |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                                                                                                              |  | 20. ROTARY OR CABLE TOOLS<br><b>Pulling Unit</b>                              |  |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>3823' DF</b>                                                                                                                                                          |  | 22. APPROX. DATE WORK WILL START*<br><b>Immediately</b>                       |  |

23. **Present PROPOSED CASING AND CEMENTING PROGRAM**

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11"          | 8-5/8"         | 244             | 2075'         | 575                |
| 7-7/8"       | 5-1/2"         | 15.94           | 3770'         | 350                |

Well is presently producing through 5-1/2"OD casing perforations 3668-3711' (intervals) in the Grayburg Formation.

We propose to deepen to old FWL of 3855', perforate in the Grayburg 3396-3632' as follows:

1. Move in and rig up Pulling Unit.
2. Pull rods and tubing.
3. Run tubing with bit and drill out hydromite & bridge plug from 3737' to approx. 3855'.
4. Spot 500 gallons acid in open hole.
5. Perforate through 5-1/2"OD casing in the Grayburg zone selectively from 3396-3632' with approximately 11 shots.
6. Set retrievable bridge plug between 3632-3668'.
7. Acidize through 5-1/2"OD casing perforations 3632-3668' with 1,000 gallons acid using ball sealers.

(Continued on back)

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 **(ORIGINAL) V. E. Fletcher** TITLE **District Superintendent** DATE **March 15, 1967**

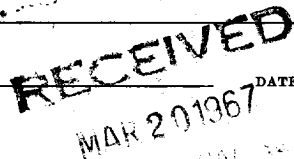
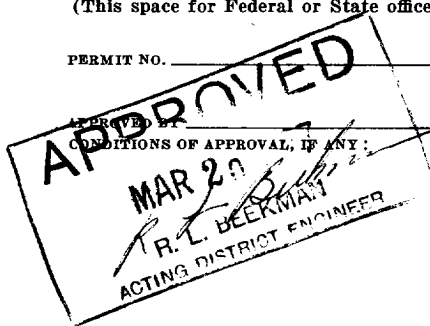
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

TITLE

DATE



\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

**8. Semi-Water-7' ac through 5-1/2" casing perforations 3632-3668' (intervals) with 10,000 gallons water and 10,000' sand.**

**9. Pull retrievable bridge plug.**

**10. Run tubing and rods and return well to a producing status.**