

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

5. LEASE DESIGNATION AND SERIAL NO.

I - Sec - 276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Skelly Unit

8. FARM OR LEASE NAME

9. WELL NO.

73

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 23-178-31E

12. COUNTY OR PARISH 13. STATE

Eddy New Mexico

1a. TYPE OF WORK

DRILL ☐DEEPEN ☒PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Skelly Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 730, Hobbs, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

2130' FSL and 660' FWL Section 23-178-31E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Grayburg and San Andres

Seven miles Southwest of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

5200

19. PROPOSED DEPTH

3880'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Workover Rig

21. REMARKS (State whether DF, RT, GR, etc.)

MAR 21 1967

3866' DF

22. APPROX. DATE WORK WILL START\*

Immediately

23. O. C. C.

ARTESIA, OFFICE

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11"          | 8-5/8"         | 24#             | 779'          | 350                |
| 7-7/8"       | 4-1/2"         | 10.5# & 11.6#   | 3834'         | 400                |

Well is presently producing through 4-1/2" casing perforations 3769-3814' (intervals) in the San Andres Formation.

We propose to deepen approximately 45' in the San Andres and perforate 3238-3751' in the Grayburg and San Andres as follows:

1. Move in and rig up workover rig.
2. Pull rods and tubing.
3. Run tubing with bit and deepen well to approximately 3880'.
4. Run Gamma Ray Neutron Log.
5. Run tubing with inflatable open hole packer and acidize new open hole with 750 gallons acid.
6. Swab and test open hole.
7. Pull tubing and packer.

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 J. A. Fletcher

SIGNED

TITLE District Superintendent

DATE March 15, 1967

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

MAR 21 1967  
R. L. BECKMAN  
ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

RECEIVED  
MAR 20 1967  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

## 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.

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8. Perforate through 4-1/2" casing in the Grayburg and San Andres zones selectively from 3238-3751' with a total of 29 shots.
9. Set retrievable bridge plug at approximately 3765'.
10. Acidize through new 4-1/2" casing perforations 3238-3751' with 2500 gallons acid with ball sealers.
11. Sand-Water frac through 4-1/2" casing perforations 3238-3751' (intervals) with 30,000 gallons slick water and 30,000# 20/40 sand.
12. Pull retrievable bridge plug.
13. Run tubing and rods and return well to a producing status.