

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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
510' FSL and 660' FSL Section 22-178-31E
At proposed prod. zone
Grayburg and San Andres

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Seven miles Southwest of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) --

16. NO. OF ACRES IN LEASE
3200

17. NO. OF ACRES ASSIGNED TO THIS WELL
60

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. --

19. PROPOSED DEPTH
3850'

20. ROTARY OR CABLE TOOLS
Workover Rig

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3829' DF

22. APPROX. DATE WORK WILL START*
Immediately

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8-5/8"	24#	760'	95
7-7/8"	5-1/2"	15.5#	3589'	355

Well is presently producing from open hole Section 3589-3700' in the Grayburg Formation.

We propose to deepen approximately 150' in the San Andres and perforate 3260-3589' in the Grayburg as follows:

1. Move in and rig up workover rig.
2. Pull rods and tubing.
3. Run 4-3/4" bit and drill new hole from 3700-3850'.
4. Run Gamma Ray-Neutron log.
5. Rig down and move out workover rig.
6. Move in and rig up pulling unit.
7. Run tubing with inflatable packer and acidise new open hole section 3700-3850' with 2,000 gallons acid.
8. Swab and test zone below packer.

(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.

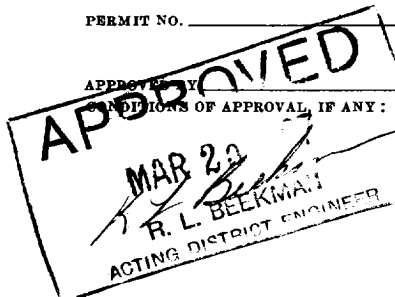
24. SIGNED **(SIGNED) V. H. Fletcher** TITLE **District Superintendent** DATE **March 15, 1967**

(This space for Federal or State office use)

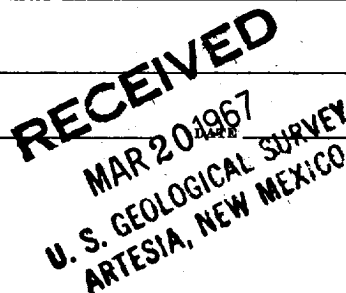
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:



*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

9. Pull tubing and packer.

10. Perforate the Grayburg zone selectively from 3260-3569' with approximately 17 shots.

11. Set bridge plug at approximately 3575'.

12. Acidize through 5-1/2" casing perforations 3590-3575'. (Intervals) with approximately 500 gallons acid.

13. Raise Bridge Plug and acidize through 5-1/2" casing perforations 3260-3488' with 1500 gallons acid and ball sealers.

14. Pull tubing and packer.

15. Sand water frac through 5-1/2" casing perforations 3260-3569' (intervals) with 15,000 gallons water and 15,000# sand.

16. Pull retrievable bridge plug.

17. Run tubing and rods and return well to a producing status.