

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 Water Injection SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Skelly Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 710, Hobbs, New Mexico4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FSL and 1980' FSL Section 22-175-31E

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 Mexico10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.16. NO. OF ACRES IN LEASE
ARTESIA, OFFICIAL5200

19. PROPOSED DEPTH

3871'

20. ROTARY OR CABLE TOOLS.

Workover Rig

22. APPROX. DATE WORK WILL START*

Immediately

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

3839' DF

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8-5/8"	28#	655	100
8"	7"	20#	3130	150
6-1/2"	4-1/2"	10.5#	3030-3871' (liner)/ new string	250

Well is presently injecting water into the Grayburg and San Andres Formations through open hole section 3103-3790'.

We propose to deepen approximately 81' in the San Andres, set liner and perforate the Grayburg and San Andres formations as follows:

1. Move in and rig up workover rig.
2. Pull tubing and packer.
3. Run tubing with bit and deepen well to approximately 3871'.
4. Run Gamma Ray Neutron Log.
5. Set 840' of 4-1/2" OD casing liner from approximately 3830 to 3871' and cement with 250 sacks of cement.
6. Clean out and test liner. (See 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

TITLE District SuperintendentDATE April 14, 1967

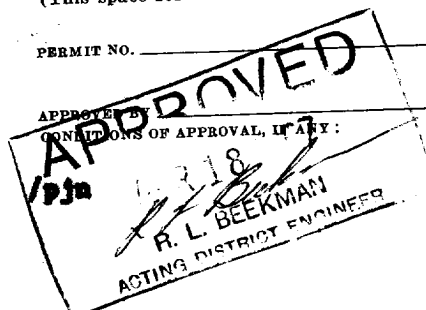
(This space for Federal or State office use)

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 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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7. Perforate through 4-1/2"OD casing liner from 3204' to 3870' selectively in the Grayburg and the San Andres Formations with a total of 30 shots.
8. Isolate and treat through 4-1/2"OD casing liner perforations 3790-3870' (intervals) with 750 gallons acid.
9. Isolate and treat through 4-1/2"OD casing liner perforations 3204-3597' (intervals) with 2000 gallons acid and ball washers.
10. Pull retrievable bridge plug.
11. Run tubing and set packer above San Andres perforations.
12. Install dual injection equipment.
13. Water will be injected down the tubing into the San Andres Formation through 4-1/2"OD casing liner perforations 3576-3870' (intervals) and down the casing-tubing annulus into the Grayburg formation through 4-1/2"OD casing liner perforations 3204-3597' (intervals).