

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 InjectionSINGLE
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

1980' FWL and 1980' FWL 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

320017. NO. OF ACRES ASSIGNED
TO THIS WELL4018. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3804'

20. ROTARY OR CABLE TOOLS

Workover Rig

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

3846' RT

22. APPROX. DATE WORK WILL START*

Immediately

23.

Present program CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>10"</u>	<u>8-5/8"</u>	<u>22.74</u>	<u>620'</u>	<u>150</u>
<u>7-7/8"</u>	<u>5-1/2"</u>	<u>140</u>	<u>3472'</u>	<u>360</u>

Well is presently injecting water into the San Andres Formation through open hole section 3472-3571'.

We propose to deepen approximately 233' in the San Andres and perforate 3141-3343' in the Grayburg as follows:

1. Move in and rig up workover unit.
2. Pull tubing and packer.
3. Run tubing with bit and deepen well to approximately 3804'.
4. Run Gamma-Ray Neutron Log.
5. Run tubing with inflatable open hole packer and acidize new open hole section with 1,000 gallons acid.
6. Pull tubing and packer.

(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

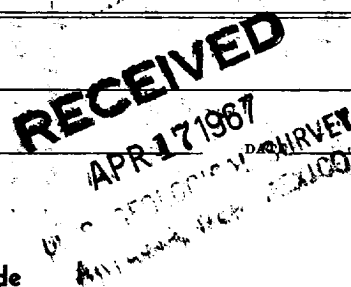
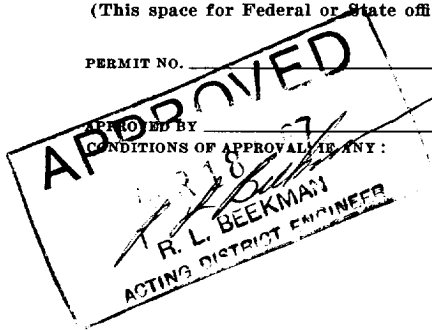
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

TITLE

*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

7. Perforate 5-1/2" OD casing from 3141' to 3343' selective in the Grayburg with a total of 14 shots.

8. Isolate and treat through 5-1/2" OD casing perforations 3141-3343' (Intervals) with 1,000 gallons acid.

9. Isolate and treat through 5-1/2" OD casing perforations 3141-3343' (Intervals) with 15,000 gallons water and 15,000 sand.

10. Pull retrievable bridge plug.

11. Run tubing and set packer above San Andres Formation.

12. Install dual injection equipment.

13. Water will be injected down the tubing into the San Andres Formation through open hole section 3472-3804' and down the casing-tubing annulus into the Grayburg Formation through 5-1/2" OD casing perforations 3141-3343' (Intervals).