

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. 029419 (b)		
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----		
2. NAME OF OPERATOR Skelly Oil Company		7. UNIT AGREEMENT NAME Skelly Unit		
3. ADDRESS OF OPERATOR P. O. Box 730 - Hobbs, New Mexico		8. FARM OR LEASE NAME Lynch "B"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FNL and 1980' FEL Sec. 27-17S-31E At proposed prod. zone Grayburg		9. WELL NO. 4		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Seven miles southwest of Maljamar, New Mexico		10. FIELD AND POOL, OR WILDCAT Grayburg Jackson		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) -----		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27-17S-31E		
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -----		19. PROPOSED DEPTH 3920'		
20. ROTARY OR CABLE TOOLS Workover Rig		21. APPROX. DATE WORK WILL START* Immediately		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3824' DF		22. APPROX. DATE WORK WILL START* Immediately		
23. PRESENT RECORDED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	754'	150
7-7/8"	5-1/2"	15.5#	3705'	360

Well is presently producing from open hole section 3705-3754' in the San Andres Formation.

We propose to deepen well 166', perforate 5-1/2" OD casing 3287-3697' in the Grayburg Formation as follows:

Move in and rig up workover unit and pull rods and tubing. Deepen well 166' from 3754' to 3920'. Move out workover unit and move in and rig up completion unit. Run Gamma Ray Neutron (Open Hole) Log. Acidize new open hole section of the San Andres with 1000 gallons acid using 4" inflatable open hole packer to block old open hole section. Swab and test the San Andres down 2-3/8" OD tubing. Treat new open hole section of the San Andres with 20,000 gallons water and 20,000# sand using 2000# rock salt block to block old open hole section. Perforate Grayburg selectively as stated above. Isolated perfs from open hole, breakdown with 2000 gallons acid and sand-water frac with 45,000 gallons water and 45,000# sand in 2 stages. Run tubing and rods and return well to a producing status.

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. (ORIGINAL) SIGNED **H. E. Asb** TITLE **District Superintendent** DATE **June 9, 1966**

SIGNED _____

TITLE _____

DATE _____

(This space for Federal or State office use)

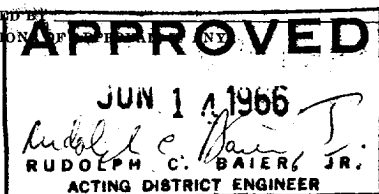
PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY
CONDITION OF PERMIT _____

TITLE _____

DATE _____



*See Instructions On Reverse Side

RECEIVED
JUN 15 1966
D. C. C.
ARTESIA, OFFICE

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.

