

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-20595

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  
**JOHN E. SCHALK**

3. ADDRESS OF OPERATOR  
**P. O. BOX 2078 FARMINGTON, NEW MEXICO 87401**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
**1150' F.W.L., 790' F.S.L., SEC. 23, T-30N, R-4W**  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**50 MILES EAST & NORTH OF BLOOMFIELD, NEW MEXICO**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**790'**

16. NO. OF ACRES IN LEASE  
**638.04**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**160**

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

19. PROPOSED DEPTH  
**3900'**

20. ROTARY OR CABLE TOOLS  
**ROTARY**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**7482.0 GR**

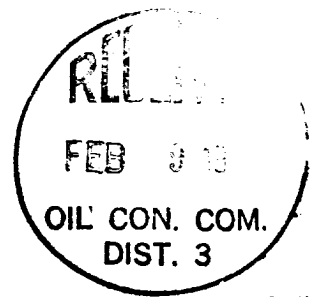
22. APPROX. DATE WORK WILL START\*  
**FEBRUARY 20, 1973**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM-4449**  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 - - - -  
 7. UNIT AGREEMENT NAME  
 - - - -  
 8. FARM OR LEASE NAME  
 - - - -  
 9. WELL NO.  
**NO. 1 LONE STAR INDUSTRIES-SCHALK-49**  
 10. FIELD AND POOL, OR WILDCAT  
**BLANCO PICTURED CLIFFS - EAST EXT**  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SEC. 23, T-30N, R-4W**  
 12. COUNTY OR PARISH  
**RIO ARRIBA**  
 13. STATE  
**NEW MEXICO**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	200 SX.
7-7/8"	4-1/2"	10.5#	3900'	300 SX.

WILL DRILL WITH ROTARY TOOLS TO TEST THE PICTURED CLIFFS FORMATION. WILL RUN AN INDUCTION LOG & FORMATION DENSITY CALIPER GAMMA RAY LOG AT TOTAL DEPTH. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED.

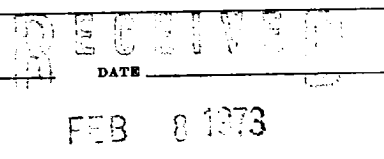


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED William H. Hallcroft TITLE **WILLIAM H. HALLCROFT OFFICE MANAGER** DATE **FEBRUARY 6, 1973**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:



[Handwritten mark]

## 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.

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

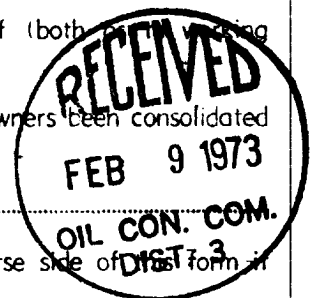
All distances must be from the outer boundaries of the Section

Operator <b>JOHN E. SCHALK</b>		Lease <b>LONE STAR INDUSTRIES-SCHALK- 49</b>		Well No <b>1</b>	
Unit Letter <b>N</b>	Section <b>23</b>	Township <b>30 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>SOUTH</b> line and <b>1150</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>7482.0</b>	Producing Formation <b>PICTURED CLIFFS</b>	Pool <b>BLANCO PICTURED CLIFFS-EAST</b>		Dedicated Acreage <b>160</b> ✓	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both ownership interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

( ) Yes ( ) No If answer is "yes," type of consolidation \_\_\_\_\_  
 If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of DIST form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



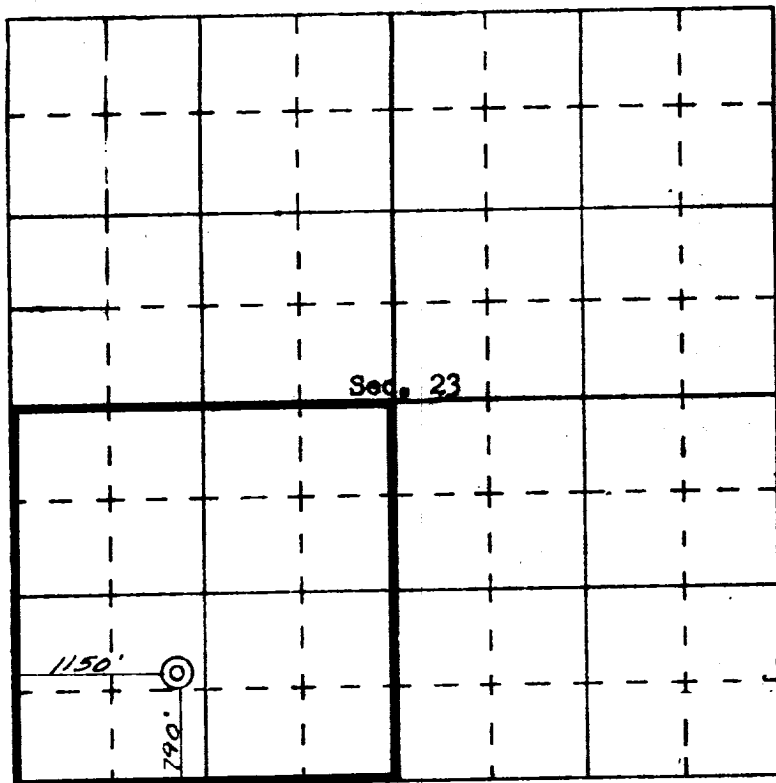
**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

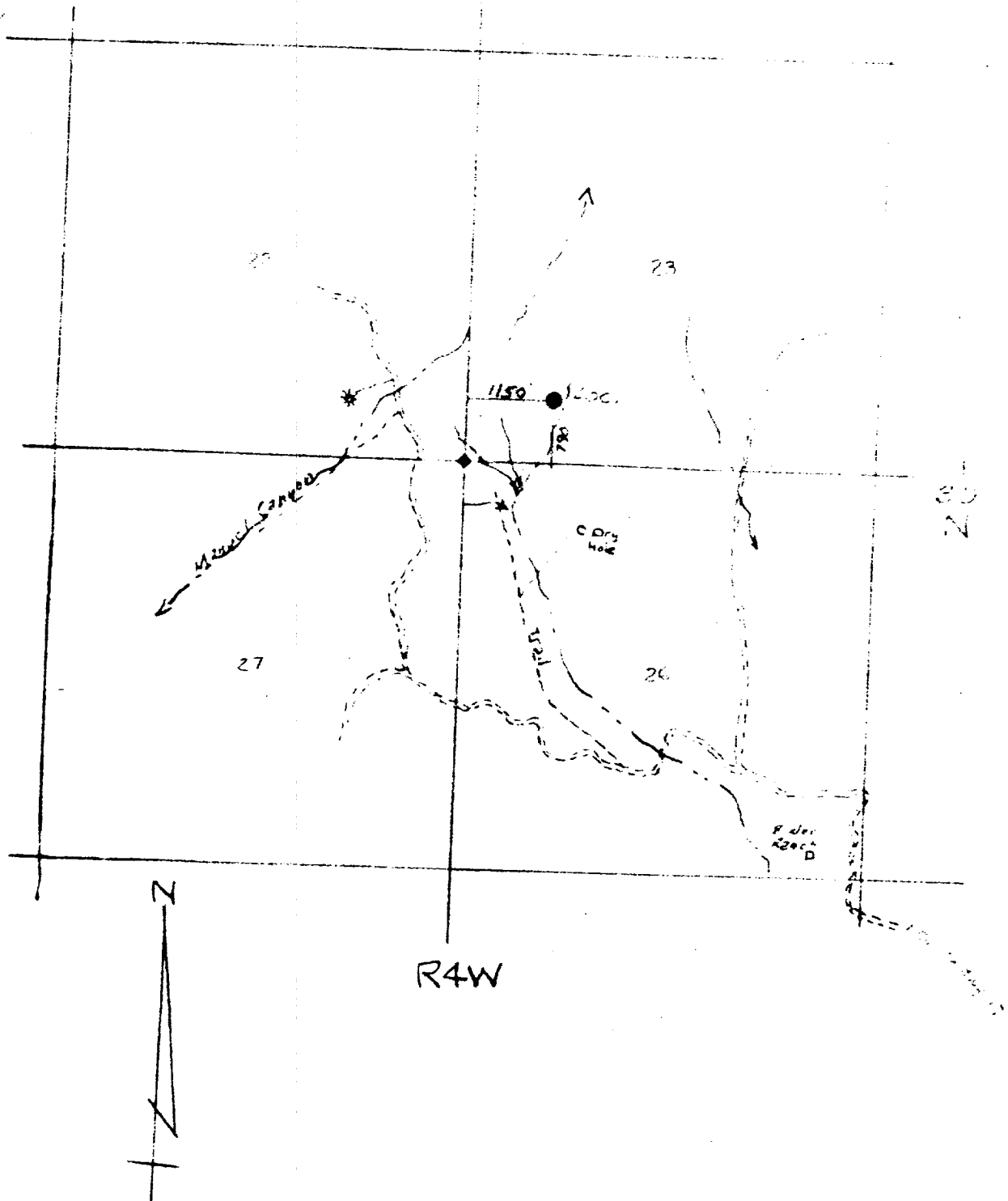
*William H. Hallcroft*  
 Name  
**WILLIAM H. HALLCROFT**  
 Position  
**OFFICE MANAGER**  
 Company  
**JOHN E. SCHALK**  
 Date  
**FEBRUARY 6, 1973**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **15 October 1972**  
 Registered Professional Engineer and Land Surveyor  
**JAMES R. LEASE**  
 1963 JAMES R. LEASE  
 Certificate No. \_\_\_\_\_



SCALE—4 INCHES EQUALS 1 MILE



VICINITY MAP  
FOR  
JOHN E. SCHALK  
Stowing

Well located on SW 1/4 Sec 23,  
T30N R4W, N.M.P.M., P13  
Arriba County, New Mexico