

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

Shar-Alan Oil Company

3. ADDRESS OF OPERATOR

1402 Denver U. S. National Center, Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

790' from the North line and 790' from the West line

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

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

GL 7415.66

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

3200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 acres

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

November 18, 1964

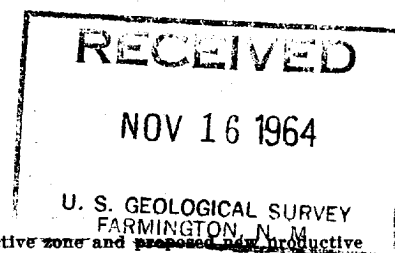
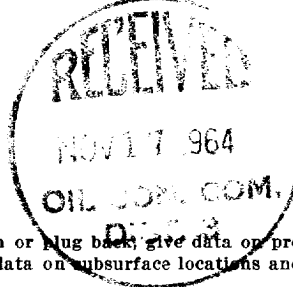
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4"	8 5/8"	24.4	100'	60 sacks
6 3/4"	4 1/2"	9.54	3200'	100 sacks

Set surface casing and cement same as shown above. Drill with rotary tools to an approximate total depth of 3200'. Run an electric log and if productive, set pipe and cement same as shown above. To perforate and sand-water frac the Pictured Cliffs pay zone. To run approximately 3150' of 1 1/4" HUE tubing and to complete and produce as a Pictured Cliffs Gas Producer.

To comply with the rules and regulations of the U.S.G.S. and New Mexico Oil and Gas Commission.



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

H. F. Gunn

TITLE

Mgr. of Lands & Explorations

DATE

11-13-64

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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.

Well Location and Acreage Dedication Plat

November 13, 1964

Section A

Operator SHAR-ALAN OIL CO. ~~XXXXXX~~ JICARILLA "T" No. 164
 Well No. 4 Unit Letter D Section 25 Township 23 NORTH Range 2 WEST NMPN
 Located 790 Feet From NORTH Line, 790 East From WEST Line
 County SANDOVAL G. L. Elevation 7415.66 Dedicated Acreage 160 Acres
 Name of Producing Formation Pictured Cliff Post So Blanco PC

1. Is the Operator the only owner in the dedicated acreage utilized on the plat below?
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by condunitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below.

Owner

Share Description

COPY

RECEIVED

NOV 16 1964

U. S. GEOLOGICAL SURVEY
F. W. WILSON, N. M.

Section B

Note: All distances must be from outer boundaries of section

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Shar-Alan Oil Company

(Operator)

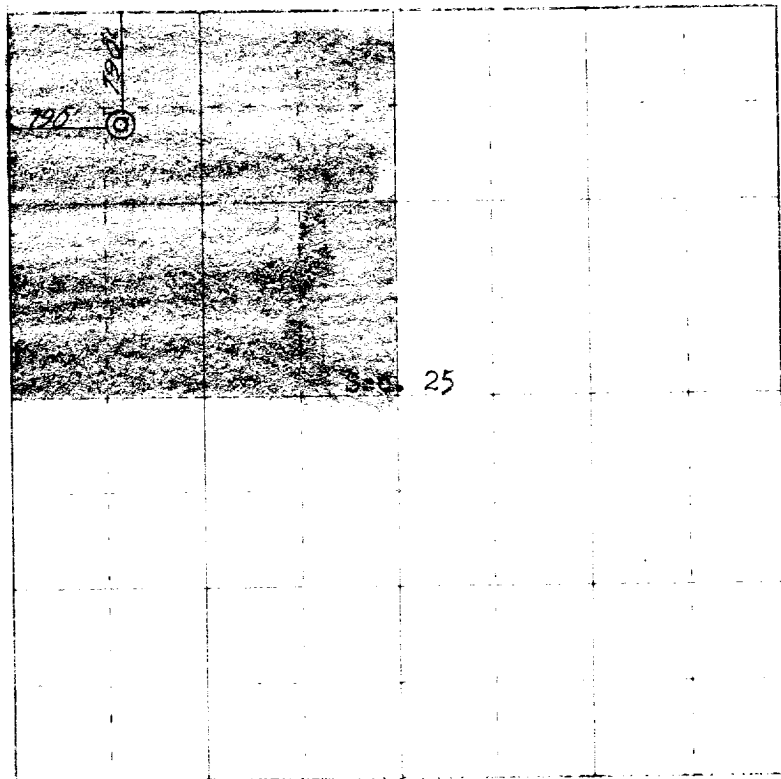
H. F. Gumz, Mgr. of Lands &

(Representative) Explorations

1402 Denver U. S. National Center

(Address)

Denver, Colorado 80202



0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900 0

Scale 4 inches equal 1 mile



This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed

November 9, 1964

James P. Lesse
 James P. Lesse, N. Mex. Reg. No. 1463
 San Juan Engineering Company

