

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>SF 078763</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>IRVING LASTERNAK, doing business as Shar-Alan Oil Company/</b>		7. UNIT AGREEMENT NAME <b>Rosa Unit</b>
3. ADDRESS OF OPERATOR <b>1402 Denver U. S. National Center</b>		8. FARM OR LEASE NAME <b>CARSON</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>575' from the North line and 1300' from the West line</b> At proposed prod. zone		9. WELL NO. <b>1</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT <b>Basin Dakota</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>10 - 31N - 5W</b>
16. NO. OF ACRES IN LEASE <b>2,544.64</b>		12. COUNTY OR PARISH <b>Ala Arriba</b>
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>320</b>		13. STATE <b>New Mexico</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS <b>Rotary</b>
19. PROPOSED DEPTH <b>7700'</b>		22. APPROX. DATE WORK WILL START* <b>September 27, 1965</b>
21. ELEVATIONS (Show whether M., GR., etc.)		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 5/8"	10 3/4"	32.5#	300'	150 sacks
9 5/8"	7 5/8"	24#	app. 3,500'	150
6 3/4"	5 1/2"	13.5#	7700'	150

To set surface casing and cement same as above. To drill with rotary tools to an approximate total depth of 7,700'. Upon reaching a depth of approximately 3,500' to set an intermediate string of casing - 7 5/8" - and cement as above. Convert from drilling mud to drill gas for remainder of hole. If the Dakota is productive, to set a 5 1/2" liner and cement same as above from approximately 3500' to total depth. To perforate and sand-water frac the Dakota formation. To run 2 3/8" EUE tubing to approximately 7500'.

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

IN ABOVE SPACE DESCRIBE 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 in new directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

TITLE **Mgr. of Lands & Explorations** DATE **9-27-65**

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY

*Not used for use*

\*See Instructions On Reverse Side

<b>RECEIVED</b>	
DATE <b>OCT 1 1965</b>	
U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.	

## 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>SHAR ALAN OIL COMPANY</b>			Lease <b>CARSON (SP 078763)</b>		Well No. <b>1</b>
Unit Letter <b>D</b>	Section <b>10</b>	Township <b>31 NORTH</b>	Range <b>5 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>575</b> feet from the <b>NORTH</b> line and <b>1300</b> feet from the <b>WEST</b> line					
Ground Level Elev.	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320</b>	Acre

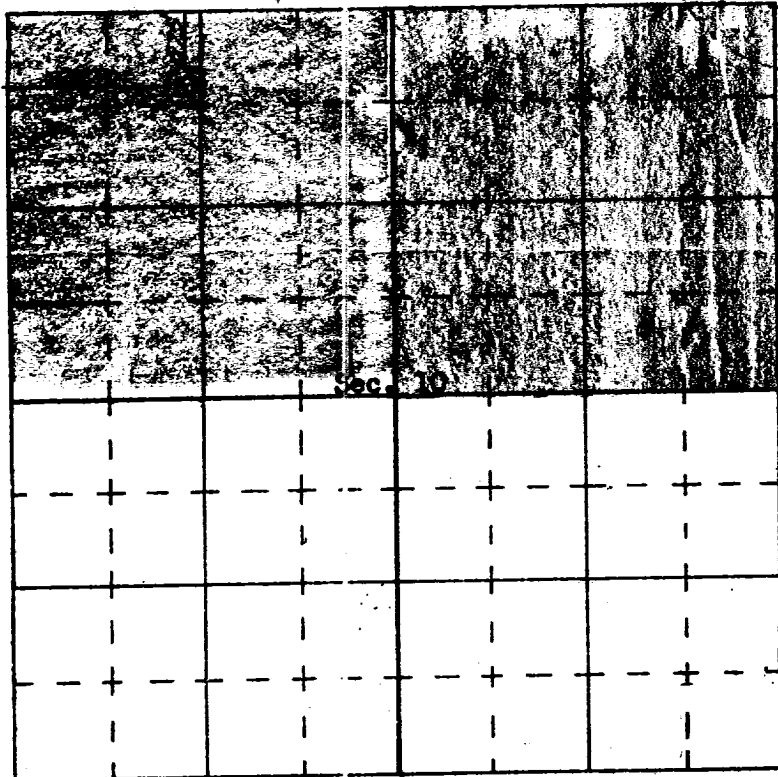
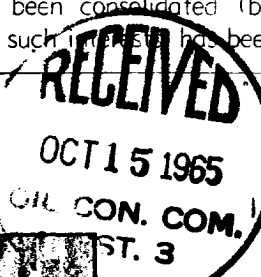
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 this 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.

Ref: GLO PLAT dated Sept. 13, 1927



### CERTIFICATION

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

**H. F. Gums** *H. F. Gums*  
Name  
**Mgr. of Lands & Explorations**  
Position  
**SHAR-ALAN OIL COMPANY**  
Company  
**September 27, 1965**  
Date

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.

**Sept. 21, 1965**  
Date Surveyed  
*James P. Loeb*  
Registered Professional Engineer  
and/or Land Surveyor  
**James P. Loeb**  
**1463**  
Certificate No.