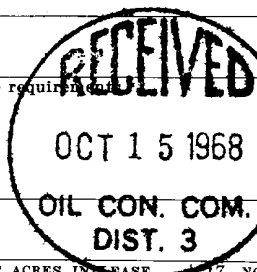


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR William C. Russell		8. FARM OR LEASE NAME Hammond	
3. ADDRESS OF OPERATOR P. O. Box 327, Farmington, New Mexico		9. WELL NO. # 49	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1755' FWL, 1540' FNL At proposed prod. zone		10. FIELD AND POOL OR WILDCAT S. Blanco Pictured Cliffs Chacra Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4 Sec. 35 T27N, RBW		12. COUNTY OR PARISH San Juan	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		13. STATE N.M.	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 885'	16. NO. OF ACRES IN LEASE 480	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.	19. PROPOSED DEPTH 3300'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR - 6118'		22. APPROX. DATE WORK WILL START* 10-15-68	



23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"		150	100 sacks
7-7/8"	4-1/2"	14	3300	200 sacks

Dual completion Chacra - Pictured Cliffs

100 sacks cement through casing shoe to cover Chacra formation.

100 sacks cement through DV tool at 2300' to cover Pictured Cliffs.

Perforate Chacra formation and sand-water frac with 2500 bbls. water.

Perforate Pictured Cliffs formation and sand-water frac with 2500 bbls. water.

Run 2" EUE tubing to T.D. with production packer below Pictured Cliffs.

Run 1" EUE tubing to Pictured Cliffs formation (syphon string).

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. William C. Russell SIGNED Operator TITLE DATE 10-14-68

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

OCT 15 1968
U.S.G. 100-100-100

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



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

All distances must be from the outer boundaries of the Section

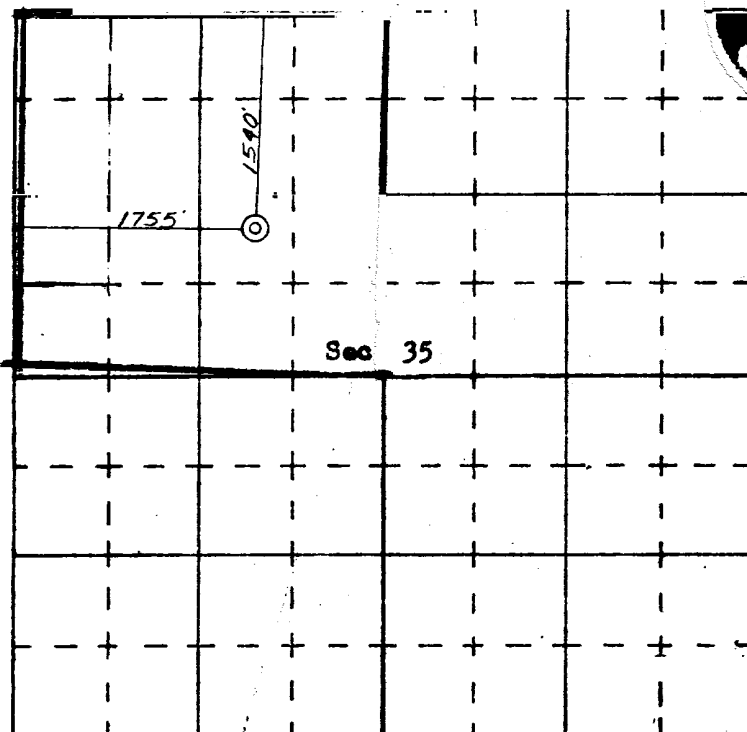
Operator WILLIAM C. RUSSIA		Lease Homestead		Well No. 49
Unit Letter F	Section 35	Township 27 NORTH	Range 8 WEST	County SAN JUAN
Actual Footage Location of Well: 1540 feet from the NORTH line and 1755 feet from the WEST line				
Ground Level Elev. 6118.0	Producing Formation	Pool San Blanco-Piet. Cliffs & Wildest-Chaco	Dedicated Acreage: 140 Acres	

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

() Yes () No If answer is "yes," type of consolidation **OCT 14 1968**

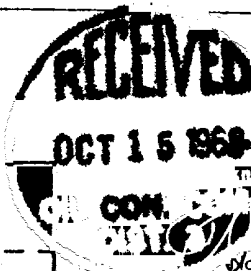
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) **U.S. GEOLOGICAL SURVEY**

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.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



CERTIFICATION

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

William C. Russia
Name
Operator
Position
Company
10-14-68
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.

30 September, 1968
Date Surveyed
James E. Lane
Registered Professional Engineer
and/or Land Surveyor
JAMES E. LANE
Certificate No. **1468**