

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

WILLIAM C. Russell

## 3. ADDRESS OF OPERATOR

745 Fifth Avenue, New York, N. Y. 10022

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

At surface

1545 FNL - 1450 FWL

At proposed prod. zone

-same-

## 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. unit line, if any)

1096

## 16. NO. OF ACRES IN LEASE

320

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.

500

## 19. PROPOSED DEPTH

3300

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5936

## 22. APPROX. DATE WORK WILL START\*

8-1-79

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8 5/8	27	210	250
7 7/8	4 1/2	11.6	3300	1000

Commencing about August 1, Operator proposes to set 210 feet surface casing, circulating cement to surface. With rotary tools 7 7/8 hole to be drilled to 3300 feet and 4 1/2 inch production casing to be run to T. D. and cement to be circulated to surface. Chacra formation to be perforated and sand-water faraced for single completion. 1 1/2" tubing to be run to perforations.

BOP in use at all times.

Attachemnts -

*see note behind*

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

(This space for Federal or State office use)

TITLE

Operator

DATE

May 30, 1979

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*ok Frank*

\*See Instructions On Reverse Side

NMOLE

30-045-23578  
5. LEASE DESIGNATION AND SERIAL NO.

NM-03605

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Marron

9. WELL NO.

94

10. FIELD AND POOL, OR WILDCAT

Largo Chacra

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Sec 23, T27N, R8W

12. COUNTY OR PARISH

13. STATE

San Juan

N.M.

All distances must be from the outer boundaries of the Section.

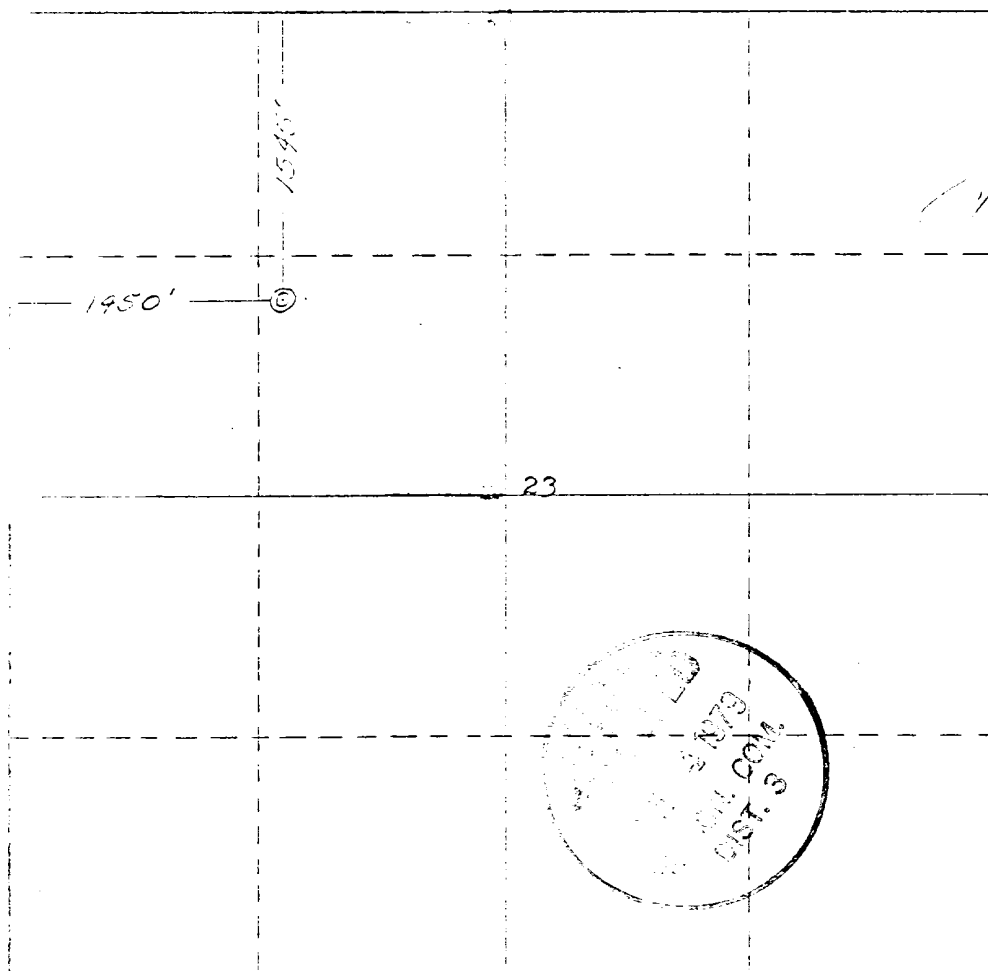
OWNER <b>WILLIAM C. RUSSELL</b>			Lease <b>MARRON (NM-03605)</b>		Well No. <b>94</b>
Grid Letter <b>F</b>	Section <b>23</b>	Township <b>27 NORTH</b>	Range <b>8 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well:					
<b>1545</b> feet from the		<b>NORTH</b> line and	<b>1450</b> feet from the	<b>WEST</b> line	
Original Level Elev. <b>5936</b>	Producing Formation <b>Chacra</b>	Pool <b>Largo</b>	Dedicated Acreage <b>160</b>		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 been 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.



## CERTIFICATION

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

Name  
**William C. Russell**

Position  
**Operator**

Company  
**Independent**

Date  
**May 7, 1979**

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.

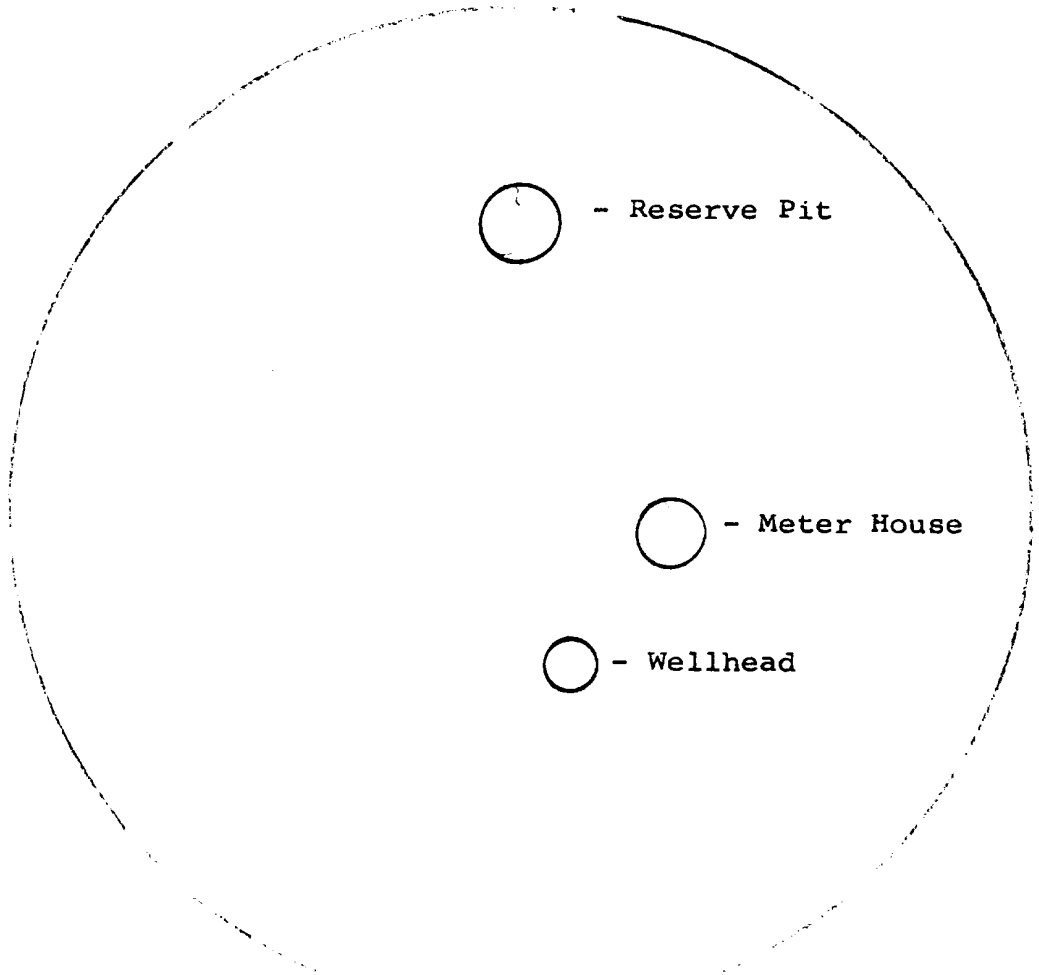
Date Surveyed  
**28 April 1979**

Registered Professional Engineer  
and Land Surveyor  
**James P. Leese**

Certificate No.  
**1463**

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

RUSSELL #94 Marron (NM-03605)  
NW/4 Section 23



NO ACCESS ROAD REQUIRED  
T 27 N, R 8 W, NMPM  
San Juan County, New Mexico

Report 79-SJC-096  
Permit 78-NM-102

An Archaeological Clearance Survey of  
Four Well Locations Conducted for  
William C. Russell

L. Jean Hooton  
Cultural Resource Management  
San Juan Campus  
N. M. State University

22 May 1979

An Archaeological Clearance Survey of  
Four Well Locations Conducted for  
William C. Russell

On May 21, 1979, L. Jean Hooton of the Cultural Resource Management Program, NMSU, San Juan Campus, conducted an archaeological clearance survey at the request of Mr. Robert Dintelman representing William C. Russell. Messrs. Lee Freeman, U. S. Geological Survey, Farmington office, Bob Marler, Bureau of Land Management, Farmington office, and Mr. Dintelman were present during the inspections. The proposed locations are on land administered by the Bureau of Land Management and were surveyed under Federal Antiquities permit 78-NM-102.

METHODOLOGY

The well locations were surveyed by walking parallel transects, 50 feet apart, over the entire 300 X 300 foot easements.

GENERAL RECOMMENDATIONS

There were no cultural resources found and archaeological clearance is recommended.

Proposed Well: HAMMOND 92

(Figure 1)

Land Status: Bureau of Land Management

Location: The proposed well will be in the NW $\frac{1}{4}$  of the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 25, Township 27 North, Range 8 West, N.M.P.M., in San Juan County, New Mexico. The well is 1015 feet from the South line and 1980 feet from the East line of Section 25.

Access: Existing.

Area surveyed: 2.066 acres.

Terrain: Rolling canyon bottom with alluvial deposits and northerly drainage.

Soil: Sandy clayey loam.

Vegetation: Greasewood, sage, shadscale, prickly pear, Indian ricegrass, and alkali sacaton.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

Proposed Well: HAMMOND 93 (Figure 1)

Land Status: Bureau of Land Management

Location: The proposed well will be in the SW $\frac{1}{4}$  of the NE $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 26, Township 27 North, Range 8 West, N.M.P.M., in San Juan County, New Mexico. The location is 1540 feet from the South line and 790 feet from the East line of Section 26.

Access: Existing

Area surveyed: 2.066 acres.

Terrain: Rolling slope with northeasterly drainage, and alluvial deposits.

Soil: Sandy clayey loam.

Vegetation: Piñon, juniper, rabbitbrush, snakeweed, serviceberry, wolfberry, greasewood, sage, rosecrown, Indian ricegrass, and alkali sacaton.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

Proposed Well: MARRON 94 (Figure 1)

Land Status: Bureau of Land Management

Location: The proposed well will be in the NW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 23, Township 27 North, Range 8 West, N.M.P.M., in San Juan County, New Mexico. The location is 1544 feet from the North line and 1450 feet from the West line of Section 23.

Access: Existing

Area surveyed: 2.066 acres.

Terrain: Gentle alluvial slope with westerly drainage.

Soil: Sandy clayey loam.

Vegetation: Pinon, juniper, greasewood, wolfberry, sage, prickly pear, pencil cholla, Indian ricegrass, alkali sacaton, and rosecrown.

Cultural Resources: None found.

Recommendations: Clearance is recommended.

Proposed Well: MARRON 95 (Figure 1)

Land Status: Bureau of Land Management

Location: The proposed well will be in the SW $\frac{1}{4}$  of the NE $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 23, Township 27 North, Range 8 West, N.M.P.M., in San Juan County, New Mexico. The location is 1980 feet from the South line and 1960 feet from the West line of Section 23.

Access: Existing

Area surveyed: 2.066 acres.

Terrain: Gentle slope in canyon bottom with alluvial deposits and southerly drainage.

Soil: Sandy clayey loam.

Vegetation: Cottonwood, greasewood, shadscale, prickly pear, grama, brome.

Cultural Resources: None found.

Recommendations: Clearance is recommended.