

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 790 FEL - 1540 FSL
I At proposed prod. zone -same-

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

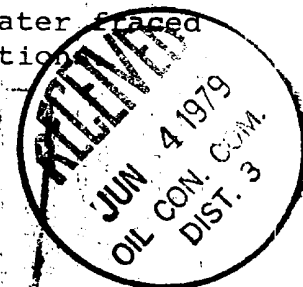
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	790	16. NO. OF ACRES IN LEASE	320	17. NO. OF ACRES ASSIGNED TO THIS WELL	160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	300	19. PROPOSED DEPTH	3350	20. ROTARY OR CABLE TOOLS	Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	6023 GR	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 inch hole to be drilled to 3350 feet and 4 1/2 inch production casing run to T. D. and cement to be circulated to surface. Chacra formation to be perforated and sand-water placed for single completion. 1 1/2" tubing to be run to perforation. BOP in use at all times.

Attachments

gas is dehydrated

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 _____ TITLE Operator DATE _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:*chBrock*

*See Instructions On Reverse Side

NMOC

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form
Super Series C-124
Effective 1-4-65

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

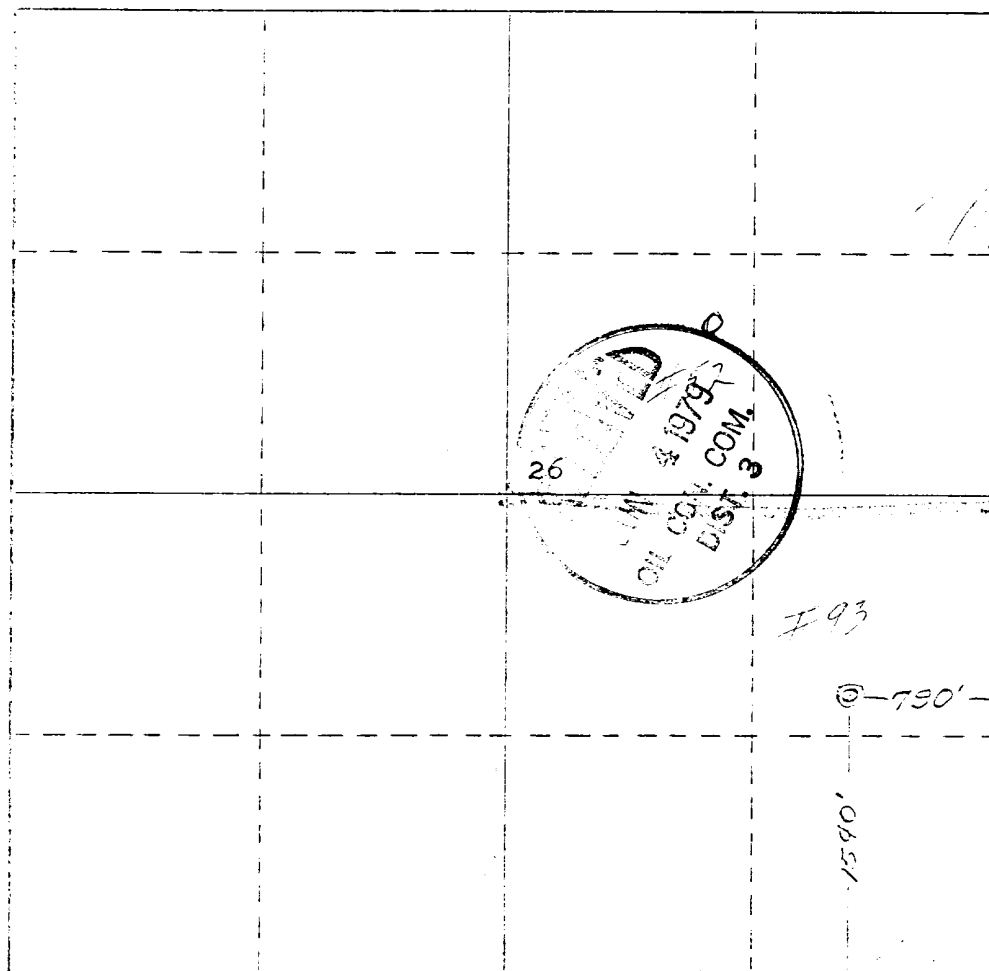
Owner WILLIAM C. RUSSELL			Lease HAMMOND (NM-03603-A)		Well No. 93
Tract Letter I	Section 26	Township 27 NORTH	Range 8 WEST	County SAN JUAN	
Actual Location of Well: 1540 feet from the SOUTH line and 790 feet from the EAST line					
Ground Level Elev. 6023	Producing Formation Chacra	Pool Largo	Dedicated Acreage 160		Agreed

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 of Land Surveyor

James P. Leese

Certificate No.
1463

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: Piñon, 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.

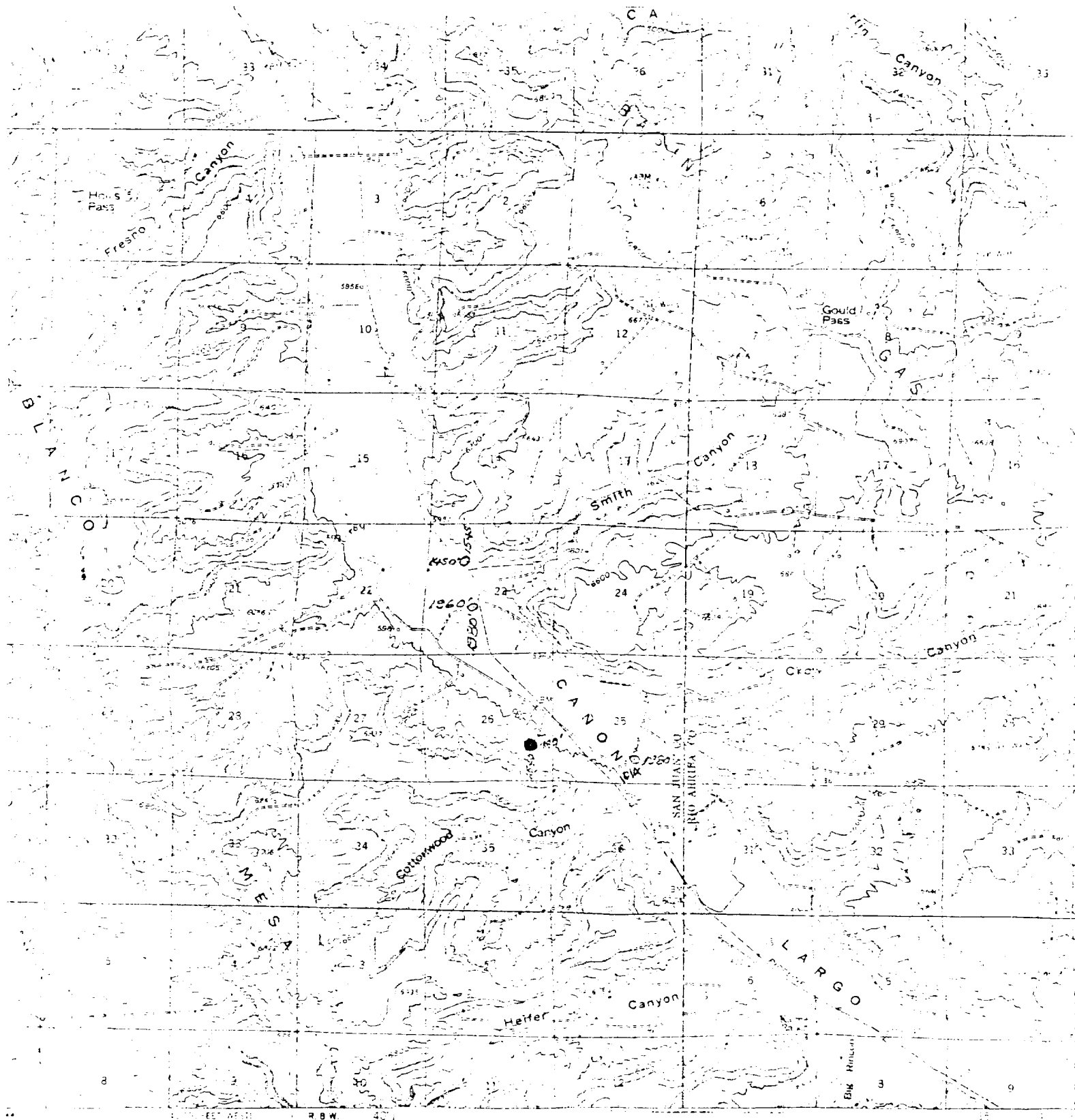
Terrain: Gentle slope in canyon bottom with alluvial deposits and southerly drainage.

Soil: Sandy clayey loam.

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

Cultural Resources: None found.

Recommendations: Clearance is recommended.



WILLIAM C. RUSSELL
 HAMMOND #93
 NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 26, T27N, R8W
 San Juan County, New Mexico

