

Form 3160-3  
(November 1983)  
(formerly 9-331C)SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## 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

NASSAU RESOURCES, INC.

## 3. ADDRESS OF OPERATOR

P O BOX 809, Farmington, N.M. 87499

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

At surface

800' FNL - 540' FEL

At proposed prod. zone

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

4-1/2 miles SE of Arboles, CO

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

790'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

3/4 mile

## 16. NO. OF ACRES IN LEASE

471.76

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

236.72

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

3/4 mile

## 19. PROPOSED DEPTH

4415'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

7590' GL; 7603' KB

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

4/1/90

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	24 cu.ft. of cement circ. to surf.
8-3/4"	5-1/2"	15.5#	4415'	1672 cu.ft. circ. to surface

Plan to drill with spud mud to set 200' of surface casing. Will then drill with water and gel-chem. mud to test the Fruitland coal zone at  $\pm$  4415'. Will run IES, CDL, and Microlog logs. IF well appears productive, will set 5-1/2" casing at TD, cement in 1 stage, selectively perforate, frac, clean out after frac and complete with 2-7/8" tubing.

GAS IS NOT DEDICATED.

**RECEIVED**  
JUL 31 1990  
OIL CON. DIV  
DIST. 3

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

James S. Hazen

TITLE Field Supt.

DATE

1-22-90

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WSP-1597(4) (2)

RECEIVED

16  
AREA MANAGER

\*See Instructions On Reverse Side

RECEIVED  
JAN 19 1964  
AIR CORP DIV  
OFFICE

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

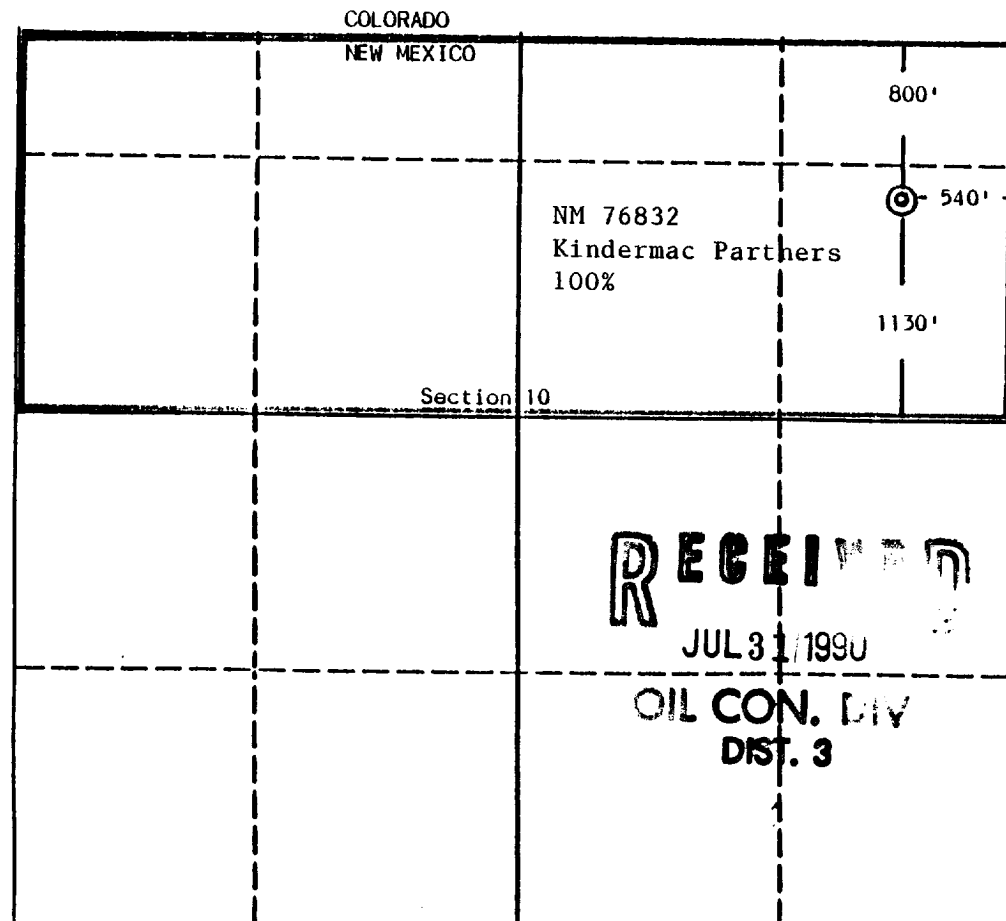
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Nassau Resources, Inc.			Lease Carracas Unit 10 A		Well No. 8
Unit Letter H	Section 10	Township 32 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 800 feet from the North line and 540 feet from the East line					
Ground level Elev. 7590	Producing Formation Basin Fruitland Coal		Pool Fruitland Coal	Dedicated Acreage: 236.72 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc?  
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization - Carracas Unit  
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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

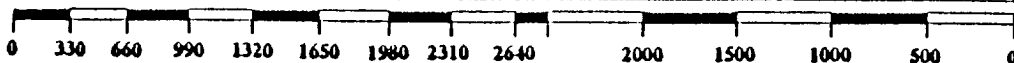
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

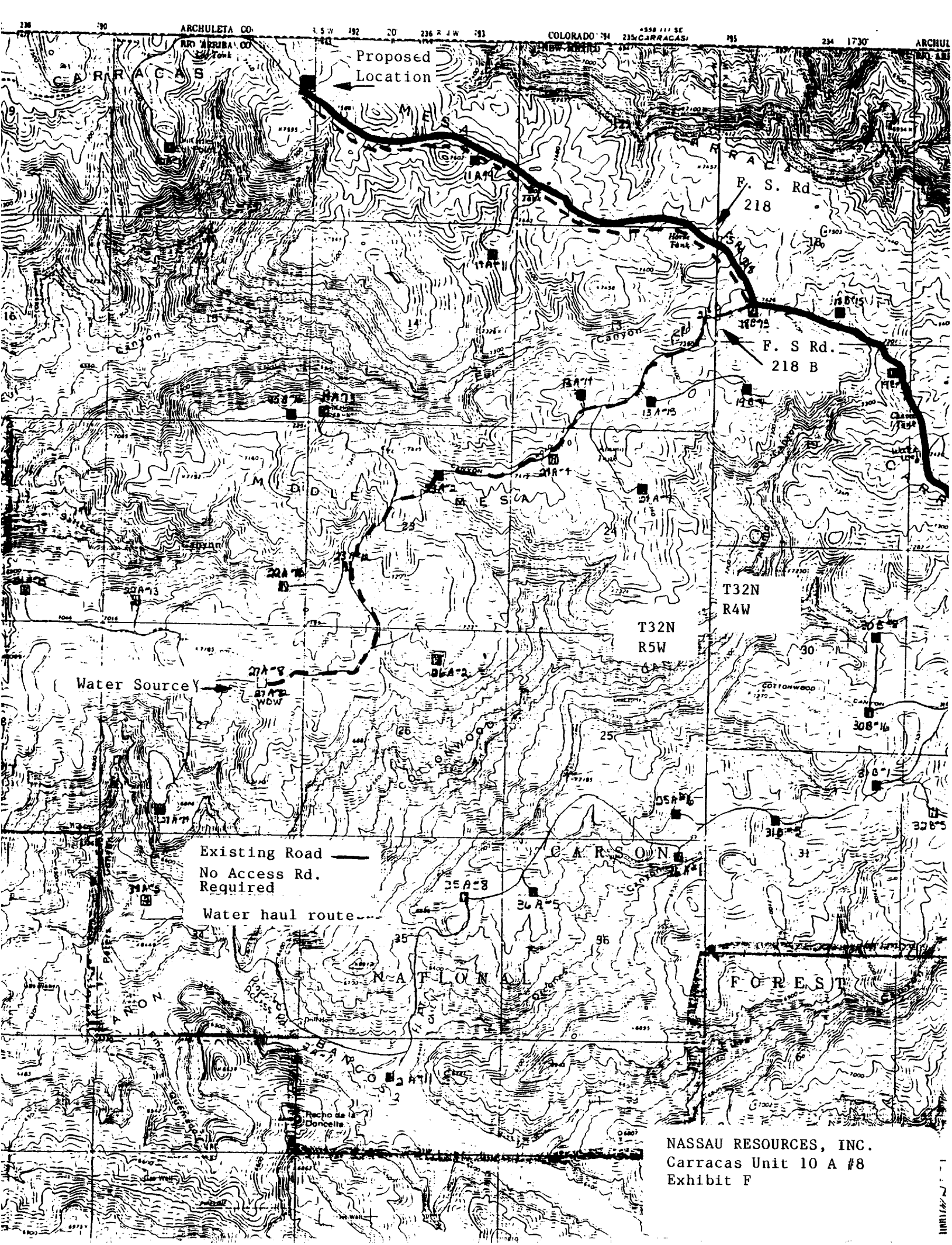
Signature  
*Fran Perrin*  
Printed Name  
Fran Perrin  
Position  
Admin. Asst.  
Company  
Nassau Resources, Inc.  
Date  
1-22-90

SURVEYOR CERTIFICATION

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  
October 11, 1989  
Signature & Seal of Professional Surveyor  
*Edgar L. Risenhoover*  
EDGAR L. RISENHOOVER  
NEW MEXICO  
Certification No. 5979  
Edgar L. Risenhoover





Proposed  
Location

F. S. Rd.  
218

F. S. Rd.  
218 B

Water Source

Existing Road —  
No Access Rd.  
Required  
Water haul route - - -

NASSAU RESOURCES, INC.  
Carracas Unit 10 A #8  
Exhibit F