

SUBMIT IN TRIPLICATE\*

(Other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995Form 3160-3  
(July 1992)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

NASSAU RESOURCES, INC. (OGRID E015515)

## 3. ADDRESS AND TELEPHONE NO.

P O Box 809

Farmington, NM 87499-0809

505 326-7

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

At surface

800' FNL &amp; 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

## 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\*

6/2000

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	350'	250 cu. ft. circ. to surface
8-3/4"	5-1/2"	15.5#	4415'	1780 cu. ft. circ. to surface

This action is subject to technical and  
procedural review pursuant to 43 CFR 3185.3  
and appeal pursuant to 43 CFR 3185.4.

Plan to drill with spud mud to set 350' of surface casing. Will then drill with water and gel-chem. mud to test the Fruitland Coal formation at approximately 4415'. Will run DIL-GR-SP and FDC-CNL-GR caliper logs. If well appears productive, will set 5-1/2" casing at TD, cement in 2 stages, selectively perforate, frac, clean out after frac and complete with 2-7/8" tubing.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

A previously approved APD for this location expired 7/25/92.

Application will be made to NM Oil Conservation Division for approval of a nonstandard proration unit and nonstandard location.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Fran Perrin Fran Perrin TITLE Regulatory Liaison DATE 3/23/00

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

NMOCD

HOLD C104 FOR NSL

JUN 14 2000

APPROVED BY Jim Lovato TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false statement within its jurisdiction.

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

30-059-26420

200 MAR 27 PM 2:13

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

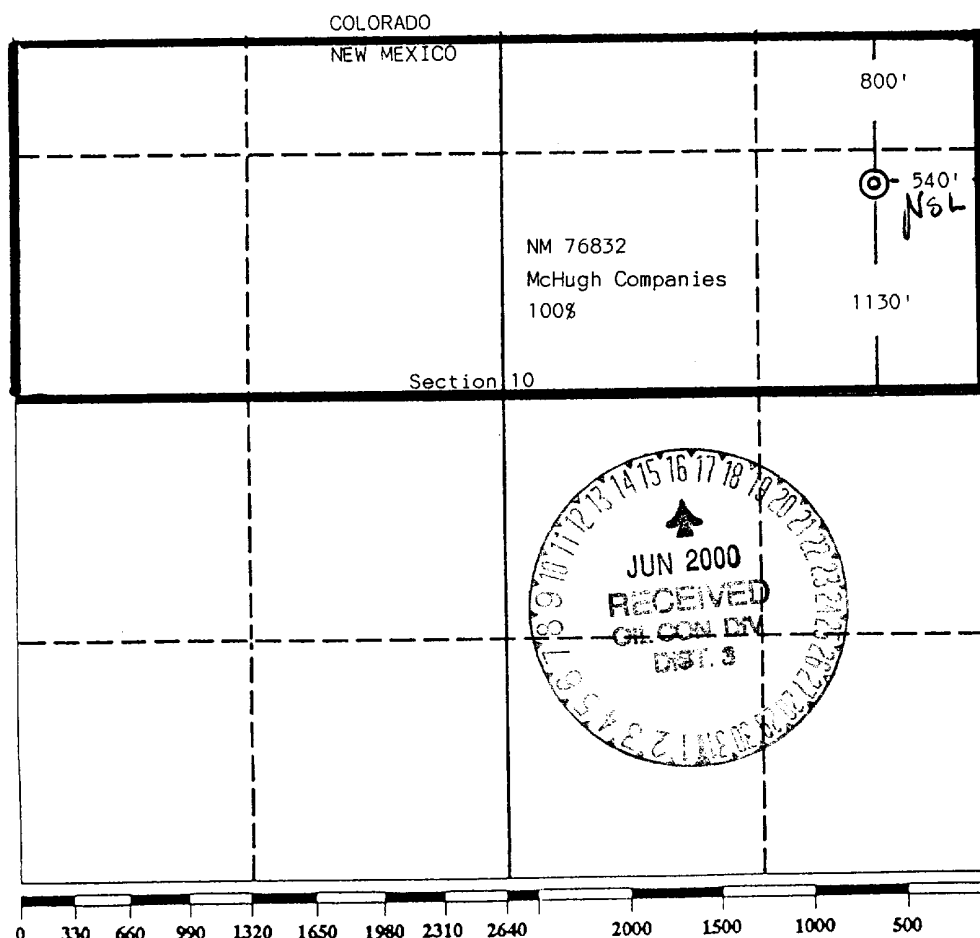
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Nassau Resources, Inc. (OGRID #015515)			Lease Carracas Unit 10 A 8287		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 Fruitland Coal		Pool Basin Fruitland Coal (#71629)	Dedicated Acreage: 94 7/8 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 \_\_\_\_\_  
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  
Regulatory Liaison  
Company  
Nassau Resources, Inc.  
Date  
3/23/00

### 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  
NEW MEXICO  
Certificate No. 5079  
Edgar L. Risenhoover

Flow nipple

Flow Line

Fill-up Line

Pipe Rams

Blind Rams

Drilling Spool

Relief Line

Ball Valve

Bull Plug

Surface Casing

Bradenhead

A variance is re  
annular prevent  
Carracas unit, s  
fracture treatin  
psig. The Carr  
wells drilled th  
higher pressures  
not expected in  
gas wells.

Series 900 Double gate BOP, rated at 3000 psi working pressure. When gas drilling operations begin, a Shaffer type 50 or equivalent rotating head is installed ontop of the flow nipple and the flow line is converted into a blowie line. Upper Kelly cock valve will be in place with handle on rig floor at all times along with Safety valve and subs for drill string in use.

valve and subs for drill string in use.

The kill lines will be a minimum of 2".

To Mud Pit

2 1/2" Mud Cross  
6000# Test

2" Line

To Pit

2 1/2" Mud Cross  
6000# Test

3" Line

To Pit

3" Mud Cross  
6000# Test

2" Line

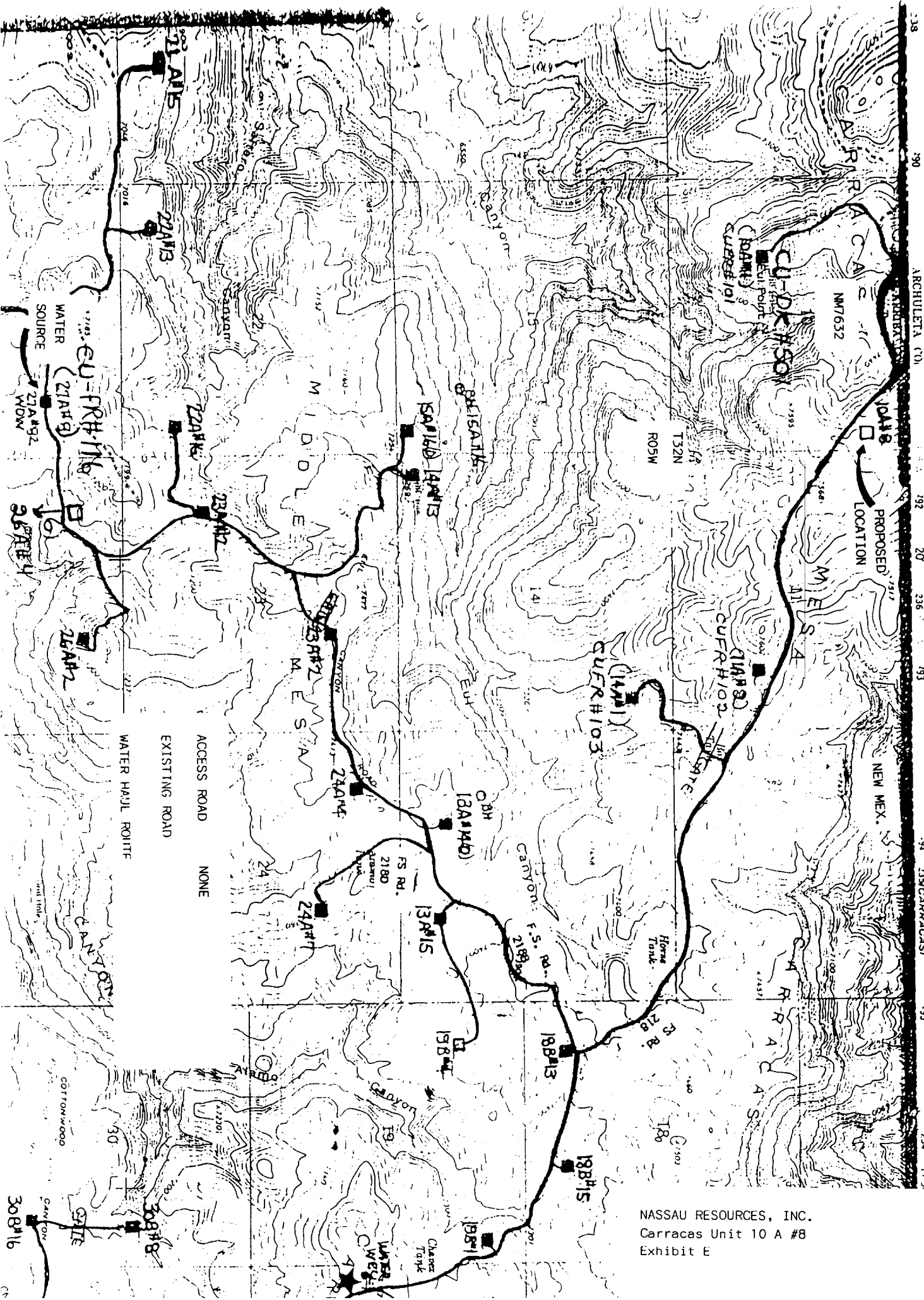
To Pit

Adjustable Choke

3M CHOKE MANIFOLD

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

# OF THE INTERIOR CAL SURVEY



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

191 Huc 1900, Hobbs, NM 88241-1900

Market II

211 South First, Artesia, NM 88210

Market III

1000 N. Brown Rd., Amec, NM 87410

Market IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies  
☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-039-26420		2. Pool Code 71629		3. Pool Name BASIN FRUITLAND COAL	
4. Property Code 36619		5. Property Name CARRACAS 10 A			8. Well Number 8
6. OGRID No. 36619		7. Operator Name VASTAR RESOURCES, INC.			9. Elevation 7590' GL

**10 Surface Location**

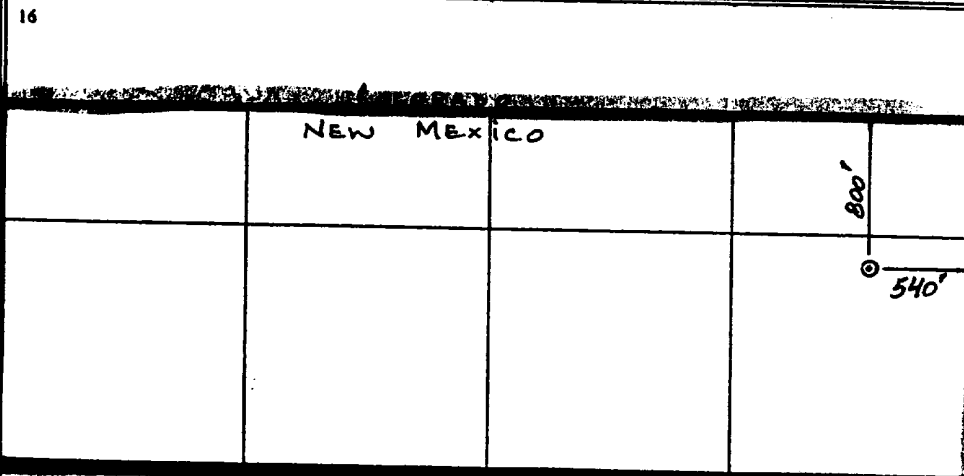
UL or lot no. H	Section 10	Township 32N	Range 5W	Lot Idn	Feet from the 800	North/South line NORTH	Feet from the 540	East/West line EAST	County RIO ARRIBA
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**11 Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12. Dedicated Acres 236.72	13. Joint or Infill	14. Consolidation Code	15. Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**17 OPERATOR CERTIFICATION**

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

*Charles W. Knight*  
Signature

CHARLES KNIGHT  
Printed Name

ENGINEER  
Title

7/24/00  
Date

**18 SURVEYOR CERTIFICATION**

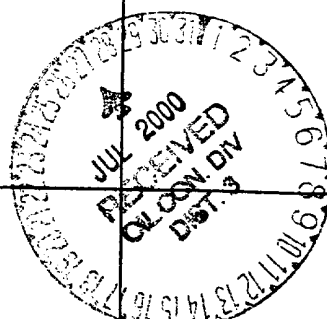
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

*RE-ISSUE*

Certificate Number



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

*SUBMIT IN TRIPLICATE*

*070 FARMINGTON, NM*

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**VASTAR RESOURCES, INC.**

3. Address and Telephone No.

**1816 E. MOJAVE ST., FARMINGTON, NM 87401 (505) 599-4300**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**800' FNL, 540' FEL, Section 10, T32N, R5W**

5. Lease Designation and Serial No.

**NM 76832**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**CARRACAS 10 A #8**

9. API Well No.

*30-039-26420*

10. Field and Pool, or Exploratory Area

**BASIN FRUITLAND COAL**

11. County or Parish, State

**RIO ARRIBA COUNTY, NM**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

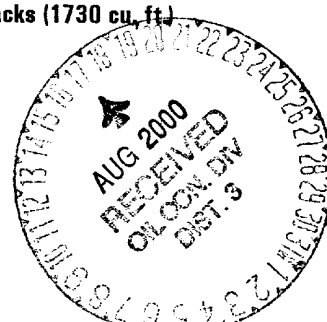
**THE FOLLOWING CHANGES ARE REQUESTED:**

- Surface Hole: Run 8-5/8" 24# J-55 STC casing set at 400' cemented to surface with 300 sacks (354 cu. ft.) 1.18 yield class B cement with additives.**
- Production Hole: Drill 7-7/8" hole, TD at 4200', 5-1/2" casing cemented to surface with 900 sacks (1730 cu. ft.) 1.922 yield class B cement with additives.**
- No open hole logs will be run. A cased hole GR/CCL/CNL log will be run.**

cc: BLM, Farmington (Or + 3)

N. Hall

Well File



14. I hereby certify that the foregoing is true and correct

Signed

*Charles W. Kuegel*

Title **AGENT 505 599 4308**

Date **6-5-00**

(This space for Federal or State office use)

Approved by

**/s/ Jim Lovato**

Title

Date

**AUG 15 2000**

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side