

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN 12:51

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER ☐

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

VASTAR RESOURCES, INC.

3. ADDRESS AND TELEPHONE NO.

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

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

At surface

1170' FNL & 830' FWL

At proposed prod. zone

SAME

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

42 MILES EAST-NORTHEAST OF BLOOMFIELD, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

830'

16. NO. OF ACRES IN LEASE

2482.2

18. DISTANCE FROM PROPOSED LOCATION\*

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

1961'

19. PROPOSED DEPTH

4225'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

300.52 w/s

20. ROTARY OR CABLE TOOLS

ROTARY

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

7401' GL

22. APPROX. DATE WORK WILL START\*

JULY, 2000

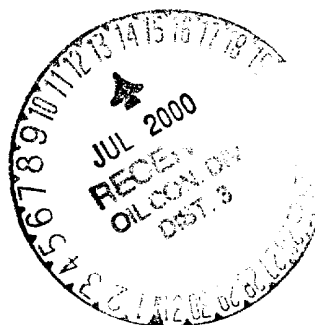
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	400'	300 sx (354 cf.) Circ. to Surf.
7-7/8"	5-1/2"	15.5#	4225'	900 sx (1730 cf.) Circ. to Surf.

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and approval pursuant to 43 CFR 3165.4.

CRIMINAL OFFENSES ARE  
SUSPECTED AND OFFENSES WITH ATTACHED  
"CRIMINAL RECORDS"



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

Charles W. Knight, Jr.

TITLE ENGINEER (505) 599-4308

DATE 6/12/00

(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:

APPROVED BY

Jim Lovato

TITLE

DATE

JUL 11 2000

\*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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HOLD C104 FOR NSE

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

Operator <b>Vastar Resources, Inc.</b>		Lease <b>Carracas 19 B</b>		Well No. <b>4</b>
Well Letter <b>D</b>	Section <b>19</b>	Township <b>32 North</b>	Range <b>4 West</b>	County <b>Rio Arriba</b>
Actual Footage Location of Wells <b>1170</b> feet from the <b>North</b> line and <b>830</b> feet from the <b>West</b> line				
Ground Level Elev. <b>7401'</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin Fruitland Coal</b>	<b>71629</b>	Estimated Acreage (W/2) <b>320.50052</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot 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 Division.

SECTION 19

**CERTIFICATION**

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

*Charles W. Knight, Jr.*

Name  
**Charles W. Knight, Jr.**

Position  
**Engineer**

Company  
**Vastar Resources, Inc.**

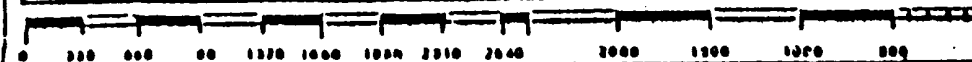
Date  
**June 9, 2000**

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

Date Surveyed  
**August 31, 1988**

Registered Professional Engineer  
and/or Land Surveyor

*Edgar L. Risenhoover*  
Certificate No. **5979**  
**Edgar L. Risenhoover, L.S.**





Vastar Resources, Inc.  
Carracas 19 B #4  
1170' FNL, 830' FWL  
Sec 19, T32N, R4W  
Rio Arriba County, New Mexico

Page 1

## **DRILLING PLAN**

### **1. FORMATION TOPS: The estimated tops of geologic markers as follows:**

Ojo Alamo	3268'
Kirkland	3523'
Fruitland	3965'

### **2. ANTICIPATED DEPTHS OF OIL, GAS, AND WATER:**

Ojo Alamo	3268' - Water
Fruitland	3965' - Gas

All zones capable of oil, gas, or water production will be protected with 8 5/8" or 5 1/2" casing and cemented to surface.

### **3. BLOWOUT PREVENTOR REQUIREMENTS:**

<u>Interval</u>	<u>Pressure Control Equipment</u>
Surface - 400'	No equipment necessary
400' - TD	10" 2000 psi Double Ram preventor, rotating head and choke manifold.

All BOPE will be hydraulically pressure tested when nipped up, after well control use and every thirty days. Pressure tests will be to the lesser of 2000 psi or to 70% of the minimum internal yield pressure of the casing.

Blind rams will be functioned on each trip out of the hole. All BOPE checks will be noted on the daily drilling reports.

Additional BOPE equipment includes a kelly cock, FO safety valve and an inside BOP.

SEE ATTACHED BOP DIAGRAM