

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 28277	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR VASTAR RESOURCES, INC. 36619		7. UNIT AGREEMENT NAME 26251	
3. ADDRESS AND TELEPHONE NO. 1816 E. MOJAVE, FARMINGTON NM 87401 (505) 599-4300		8. FARM OR LEASE NAME, WELL NO. CARRACAS 29B #8	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1795' FNL & 790' FEL At proposed prod. zone SAME		9. API WELL NO. 26251-26480	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 43 MILES EAST-NORTHEAST OF BLOOMFIELD, NM		10. FIELD AND POOL, OR WILDCAT BASIN FRUITLAND COAL	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA H SEC. 29, T-32N, R-4W	
16. NO. OF ACRES IN LEASE 2525.47		12. COUNTY OR PARISH 13. STATE RIO ARRIBA NM	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3500'		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 E/R	
18. PROPOSED DEPTH 4220' -		20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7321' GL -		22. APPROX. DATE WORK WILL START* JULY, 2000	

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#	4220' -	900 sx (1730 cf.) Circ. to Surf.

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

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



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.

SIGNED Charles W. Knight, Jr. TITLE ENGINEER (505) 599-4308 DATE 6/12/00
CHARLES W. KNIGHT, JR.
(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 /s/ 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 omissions as to any matter within its jurisdiction.

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

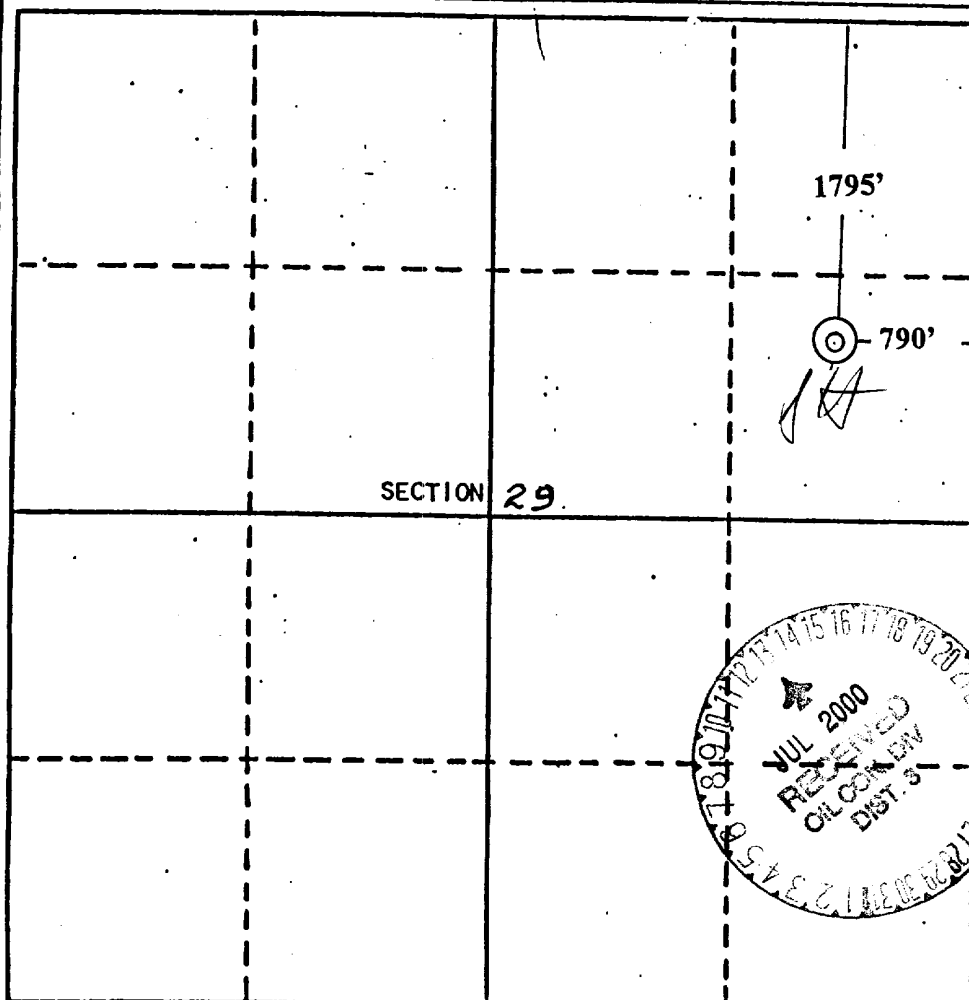
Operator Vastar Resources, Inc.			Lease Carracas 29 B			Well No. 8		
Unit Letter H	Section 29	Township 32 North	Range 4 West	County Rio Arriba				
Actual Footage Location of Well: 1795 feet from the North line and 790 feet from the East line								
Ground Level Elev. 7321	Producing Formation Fruitland Coal		Pool Basin Fruitland Coal			Dedicated Acreage (E/2) 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Division.



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 12, 2000**

I hereby certify that the location shown on this plat is correct 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 and belief.

Date Surveyed **5-18-88**

Registered Professional Engineer and/or Land Surveyor

Edgar L. Risenhoover

Certificate No. **5979**

Edgar L. Risenhoover, L.S.



Vastar Resources, Inc.
Carracas 29 B #8
1795' FNL, 790' FEL
Sec 29, T32N, R4W
Rio Arriba County, New Mexico

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DRILLING PLAN

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

Ojo Alamo	3468'
Kirkland	3596'
Fruitland	3847'

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

Ojo Alamo	3468' - Water
Fruitland	3847' - 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