

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 59704
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.		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. 1816 E. MOJAVE, FARMINGTON NM 87401 (505) 599-4300		8. FARM OR LEASE WELL NO. CARRACAS 25A #16
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 585' FSL & 710' FEL		9. AP WELL NO. 30-039-26476
At proposed prod. zone SAME		10. FIELD AND POOL, OR WILDCAT BASIN FRUITLAND COAL
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 41 MILES EAST-NORTHEAST OF BLOOMFIELD, NM		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA P SEC. 25, T-32N, R-5W
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 585'	16. NO. OF ACRES IN LEASE 1760	12. COUNTY OR PARISH 13. STATE RIO ARRIBA NM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7200'	19. PROPOSED DEPTH 3800'	17. NO. OF ACRES ASSIGNED TO THIS WELL 8/320 E/A/1
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6976' GL		20. ROTARY OR CABLE TOOLS ROTARY
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#	3800'	900 sx (1730 cf) Circ. to Surf.



This action is subject to technical and procedural review pursuant to 43 CFR 2165.3 and appeal pursuant to 43 CFR 2165.4.

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO THE TERMS OF THE 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.

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 /s/ Jim Lovato TITLE Team Lead, Petroleum Management DATE AUG - 8 2000

*See Instructions On Reverse Side

HOLD 0104 FOR N/S 4484

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 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

API Number 30-039-26476		Pool Code 71629	Pool Name BASIN FRUITLAND COAL
Property Code 26297	Property Name CARRACAS Unit 25A		Well Number 16
OGRID No. 36619	Operator Name VASTAR RESOURCES, INC.		Elevation 6976'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	32N	5W		585'	SOUTH	710'	EAST	RIO ARRIBA

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

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 1/2			

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

16	S89°56'W	5276.70'	
5280.00'			5280.00'
North	Section 25		North
	N89°54'W	5280.66'	

NSL 710'

585'

NSL 4484

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, Jr.

Signature

CHARLES KNIGHT, JR.

Printed Name

AGENT

Title

MAY 19, 2000

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.

05/12/2000

Date of Survey

Signature and Seal of Professional Surveyor:

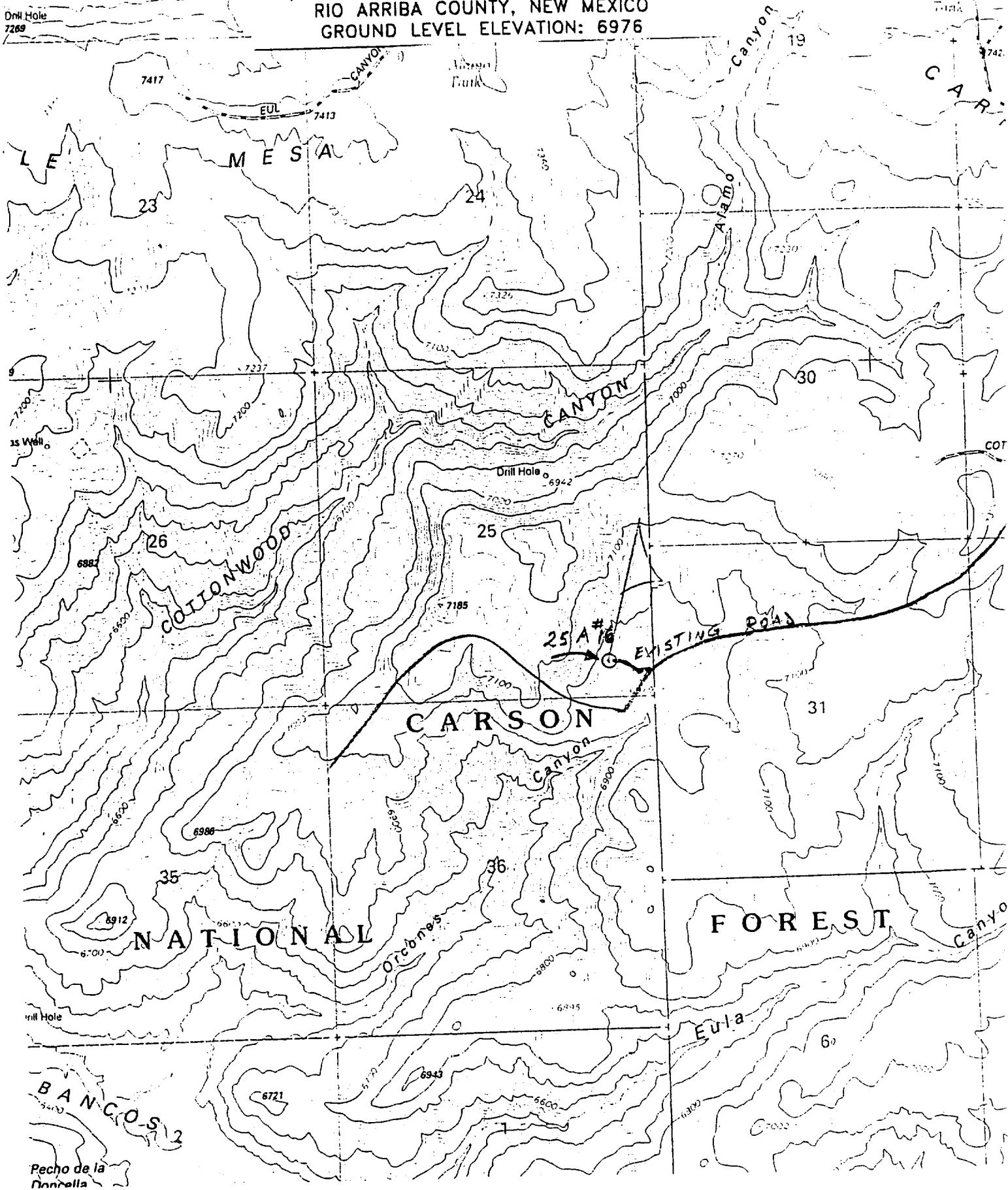
HENRY P. BROADHURST, JR.
NEW MEXICO
14293
SURVEYOR

Certification Number

VASTAR RESOURCES, INC.
CARRACAS 25A #16

585' FSL, 710' FEL
SE/4 SEC. 25, T-32-N, R-5-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
GROUND LEVEL ELEVATION: 6976

Drill Hole
7269



DRILLING PLAN

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

Ojo Alamo	3133'
Kirkland	3223'
Fruitland	3552'

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

Ojo Alamo	3133' - Water
Fruitland	3552' - 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