

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

811 South First, Artesia, NM 88210

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District 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 87505Form C-102  
Revised August 15, 2000Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 039 30-246-26485		<sup>2</sup> Pool Code 71629		<sup>3</sup> Pool Name Basin Fruitland Coal	
<sup>4</sup> Property Code		<sup>5</sup> Property Name Carracas 17B			<sup>6</sup> Well Number 14
<sup>7</sup> OGRID No. 36619		<sup>8</sup> Operator Name Vastar Resources, Inc.			<sup>9</sup> Elevation 7439'

<sup>10</sup> Surface Location

UL or lot no. Unit N.	Section 17	Township 32N	Range 04W	Lot Idn	Feet from the 795'	North/South line South	Feet from the 1940'	East/West line West	County Rio Arriba
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<sup>11</sup> 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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<sup>12</sup> Dedicated Acres 320 Ac. West/2	<sup>13</sup> Joint or Infit	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 				<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature	
				Mary Corley Printed Name	
				Sr. Regulatory Analyst Title	
				06/14/2001 Date	
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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.	
				05/05/2000 Date of Survey	
				Signature and Seal of Professional Surveyor:  Henry P Broadhurst 11393 Certificate Number	

## 8. ANCILLARY FACILITIES

There will be no air strips or camps. Camper trailers may be on location for the company man, tool pusher, or mud logger.

## 9. WELL SITE LAYOUT

See Pages 14 - 15 for depictions of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, living facilities, and rig orientation.

## 10. RECLAMATION

Reclamation starts once the reserve pit is dry. It usually takes a year for a reserve pit to fully evaporate, at which point it will be backfilled. The pad and backfilled pit will be recontoured to a natural appearance, soil spread evenly over disturbed areas, and disturbed areas ripped or harrowed. BLM's seed mix #1 will be drilled between July 1 and September 15. If broadcast, the rate will be doubled. A harrow or cable will be dragged over the area to assure seed cover.

If the well is a producer, then the reserve pit and any other areas not needed for workovers will be reclaimed as previously described. The pipeline route will also be reclaimed as previously described.

## 11. SURFACE OWNER

The project is on Navajo Tribal Trust surface. Tribal Project Review Office phone is (520) 871-7040. Address is P. O. Box 9000, Window Rock, AZ, 86515.

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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  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APL Number <b>30-039-26485</b>		Pool Code <b>71629</b>	Pool Name <b>Basin Fruitland Coal</b>
Property Code <b>26273</b>	Property Name <b>CARRACAS 17B</b>		Well Number <b>14</b>
OGRID No. <b>36619</b>	Operator Name <b>VASTAR RESOURCES, INC.</b>		Elevation <b>7439'</b>

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
N	17	32N	4W		795'	SOUTH	1940'	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	17	32N	4W		1850'	SOUTH	790'	WEST	RIO ARriba

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 ac			

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

	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature <u>Charles W. Knight, Jr.</u></p> <p>Printed Name <b>Charles W. Knight, Jr.</b></p> <p>Title <b>Engineer</b></p> <p>Date <b>June 21, 2000</b></p>	
	<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey <b>05/05/00</b></p> <p>Signature and Seal of Professional Surveyer:</p> <p> </p>	

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"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <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 NAME, WELL NO. CARRACAS 17B #14	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 795' FSL, 1940' FWL At proposed prod. zone 1839' FSL, 802' FWL (Midpoint Coal)		9. API WELL NO. 30-039-26485	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 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 drilg. unit line, if any) 802'		11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA SEC. 17, T-32N, R-4W	
16. NO. OF ACRES ON LEASE 2525.47		12. COUNTY OR PARISH RIO ARRIBA	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2500'		14. PROPOSED DEPTH 4319' TVD, 4691' MD	
19. ROTARY OR CABLE TOOLS ROTARY		20. APPROX. DATE WORK WILL START* JULY, 2000	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7439' 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#	4691' MD	1063 sx (2055 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.

DEVELOPER'S RIGHTS ARE AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

Directional drilling (see attached directional plan) begins 50' below surface casing at 450' and builds to 33° max then holds before dropping back towards vertical (S shaped) to 10° max through coal to TD.

SHL	795' FSL	1940' FWL	0' TVD	0' MD
Top of Coal	1838' FSL	804' FWL	4214' TVD	4585' MD
Midpoint Coal	1839' FSL	802' FWL	4227' TVD	4598' MD
Bottom of Coal	1841' FSL	800' FWL	4239' TVD	4610' MD
BHL at TD	1850' FSL	790' FWL	4319' TVD	4691' MD

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 6/20/00  
(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

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

\*See Instructions On Reverse Side HOLD OIL FOR Directional Survey

Vastar Resources, Inc.  
Carracas 17 B #14  
SHL: 795' FSL, 1940' FWL  
BHL: 1850' FSL, 790' FWL  
Sec 17, T32N, R4W  
Rio Arriba County, New Mexico

## **DRILLING PLAN**

Directional drilling (see attached directional plan) begins 50' below surface casing at 450' and builds to 33° max then holds before dropping back towards vertical (S shaped) to 10° max through coal to TD.

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

Ojo Alamo	3552' TVD
Kirkland	3677' TVD
Fruitland	3977' TVD
Top of Coal	4214' TVD, 4585' MD
TD	4319' TVD, 4691' MD

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

Ojo Alamo	3552' TVD - Water
Fruitland	3977' TVD - 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:**

Interval  
Surface - 400'

400' - TD

Pressure Control Equipment  
No equipment necessary

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM - 28277
2. Name of Operator VASTAR RESOURCES, INC.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700		8. Well Name and No. CARRACAS 17 B 14
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T32N R4W Mer SESW 795FSL 1940FWL		9. API Well No. 30-039-26485
		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
		11. County or Parish, and State ARRIBA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> APDCH
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Application for permit to drill was submitted for the subject well on June 20, 2000 and approved on August 8, 2000. Original drilling plan was to directionally drill from the surface location of 795' FSL & 1940' FWL to a bottom hole location at 1839' FSL & 802' FWL. On June 8, 2001 we submitted a revised drilling and completion plan indicating our intent to drill this well as a straight hole completion from the original surface location but failed to include a revised Form C-102 indicating the location change. Please find attached revised Form C-102 with the location and proration unit identified.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #4973 verified by the BLM Well Information System For VASTAR RESOURCES, INC., sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 06/15/2001 ()</b>	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature	Date 06/14/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	Title _____	Date 6/25/01
Conditions of approval, if any, are attached. Approval of this notice 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.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

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State of New Mexico  
Energy, Minerals & Natural Resources Department

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Revised August 15, 2000

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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-048-26485	<sup>2</sup> Pool Code 71629	<sup>3</sup> Pool Name Basin Fruitland Cool
<sup>4</sup> Property Code	<sup>5</sup> Property Name Carracas 17B	<sup>6</sup> Well Number 14
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<sup>11</sup> Bottom Hole Location If Different From Surface

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<sup>12</sup> Dedicated Acres 320 Ac. West/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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