SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

UNITED STATES DEPARTMENT OF THE INTERIOR

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

DEFARIMENT OF THE INTERIOR							5. LEASE DESIGNATION AND SERIAL NO.	
BUREAU OF LAND MANAGEMENT							NM. 30014	
APPLICATION FOR PERMIT TO DRILL OR DEEPEN							6. IF INDIAN, ALLOTTES OR TRIBE NAME	
a. TTPE OF WORK							7 HMs	
b. TIPE OF WELL	DRILL X		DEEPEN [7. UNIT AGREEMENT N	2/ 2/8
OIL U	GAS X	RELL X OTHER ZONE X MULTIPIE					8. FARM OR LEASE HAME, WELL NO.	
VASTAR RESOURCES, INC. 36619							CARRACAS 33 B #11	
VASTAK RES		9. AN WELL HO.						
	DJAVE, FARM	30-039-7	10. FIBLD AND POOL OR WILDCAY					
1816 E. MOJAVE, FARMINGTON NM 87401 (505) 599-4300 4. LOCATION OF WHILL (Report location clearly and in accordance with any State requirements.*)							BASIN FRUITLAND COAL -	
1165' FNL, 1055' FWL							11. SEC., T., R., M., OR I	LK.
At proposed prod. sone							AND SURVEY OR AR	BA
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE.							D SEC 33, T32N	
	ES EAST-NOR	· · · · · · · · · · · · · · · · · · ·	BLOOMFIE	LD. N	im		RIO ARRIBA	18. STATE
16. DISTANCE FROM PROPUSED*					O. OF ACRES IN LEADE		OF ACRES ASSIGNED	I NM
PROPERTY OR LE (Also to meares	it drig. unit line,	ir any)	319'		2480	TO	320	
18. DISTANCE FROM TO NEAREST WE	19. PROPOSED DEPTH		1 00	20. ROTARY OR CABLE TOULS				
21. ELEVATIONE (Sho	N THIS LEASE, FT.		620'	418	5' TVD, 5227 <u>'</u>	- MD RU		
	7290' GL_	.,,,					22. APPROX. DATE WO	
23.		P	ROPOSED CASI	NG ANI	CEMENTING PROC	TP AM	<u> July, 2000</u>	
PROPOSED CASING AND CEMENTING SIZE OF HOLE GRADE SIZEOF CASINO WEIGHT PER FOOT SETTING I							QUANTITY OF CEMEN	
12-1/4"	8-5/	8-5/8"			400'	300		
7-7/8" 5-1/2		2" cat cated	24# 15.5#		5227レ MD			
450	ectional drilli	ng (see atta o 49° max t	then holds b				surface casing at ertical (S shaped)	
to 1	0° max throu	gh coal to I	ΓD.					
CLII		11 <i>451</i> END	I 10552 TXX	л	O! TVD	01.3.4		
			, 1055' FWL , 1318' EWL		0' TVD 4081' TVD	0' M 5120' M		
•	•		NL 1319 FWL		4094' TVD 5123' M			
10 11 11 12	tom of Coal		1319' FW		4106' TVD	5125' M	1	
	L at TD		L 1320 FW		4186' TVD	5227' M		
	4				80211010 6	verme a evere i	girin — — — — — — — — — — — — — — — — — — —	
DRILLING OFFRATIONS (SUBJECT TO COMPLIANS								
	7		•			REQUIREMEN		
N ABOVE SPACE DE	SCRIBE PROPOSED	PROGRAM: If pr	roposal is to deepen,	give date	on present productive a al depths. Give blowout p	tone and propose	ed new productive zone. If pr	oposal is to drill or
27 13/5 100) ^ ^ !	/ / / / / / / / / / / / / / / / / / /	A strong measured and to		at depths. Give blowout p	preventer program	n, it any.	<u> </u>
BIGNED (ark (V).	(viz)		FN	GINEER (505)	E00_4306	6/21	00
CHAR	ES W. KNIG	HTS IR		1.6	MAINER (303)	722-470(DATE DIST	
(This space for	Federal or State	omce use)						
PERMIT NO.		·			APPROVAL DATE			
Application approva		ertify that the appli				bject lesse which	would entitle the applicant to co	nduct operations there
TO THE PARTY OF A PARTY	AUTAL IF ANTI		N	MOCD				30 Jan 19 19
1 ([L el 27	n f accada					JUL 1	1 2000
APPROVED BY	/8/ JIII	1 Lovato					DATE	
			*Saa lasten	ations.	On Payana Sida	•	~ '	•

District 1

19) Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Hruzon 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 87505 Form C-102 Revised October 18, 1994

Instructions on back

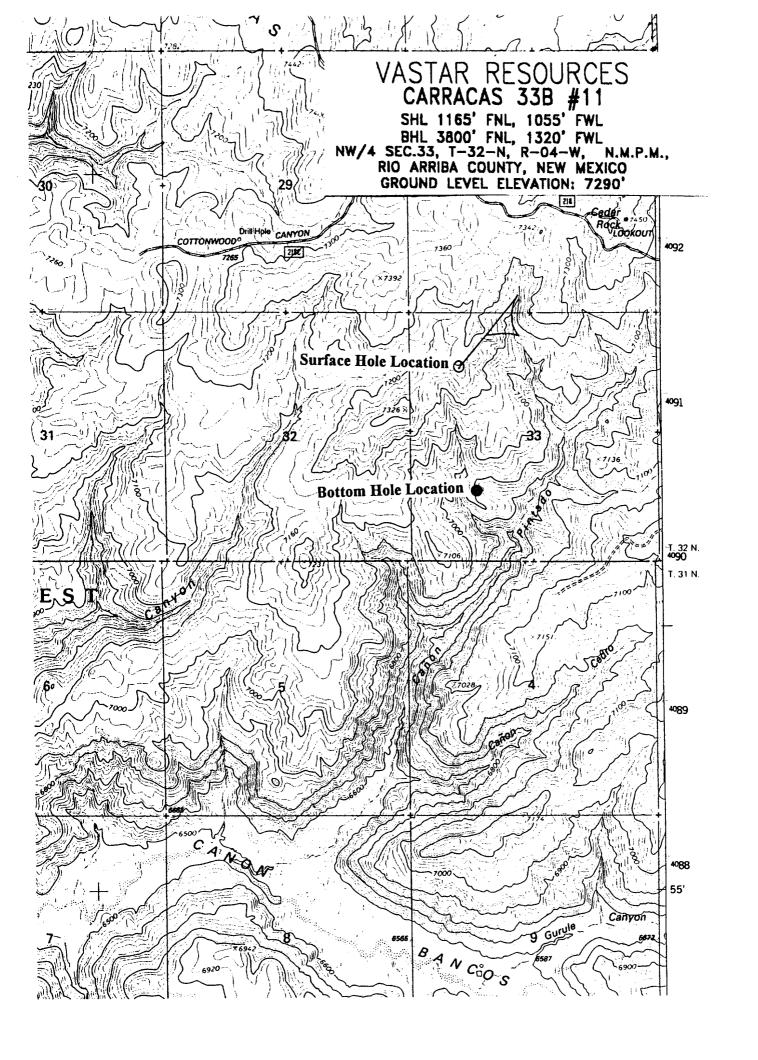
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT 1 Pool Code Pool Name 71629 **Basin Fruitland Coal** 5 Property Name Weil Number CARRACAS 33B OCHID No. Operator Name ' Elevation 36619 VASTAR RESOURCES, INC. 72901 10 Surface Location Township UL or let no. Lot Idn Feet from the North/South line Feet from the East/West line Section Range County D 33 32N 4W 1165' NORTH 10551 WEST RIO ARRIBA " Bottom Hole Location If Different From Surface Lot Ida Feet from the North/South line UL or lot mo. Section Township Range Feet from the East/West line County 2822 10. 32N NORTH WEST RIO ARRIBA 33 4W 14 Order No. 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 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 N89°57'W 5299.80' 16 OPERATOR CERTIFICATION I hereby certify that the information contained herein is 65 true and complete to the best of my knowledge and belief 1055 **JHL** Signature Charles W. Knight, Jr. Printed Name 5280.00 9 **Engineer** 5280.(Title June 21, 2000 Section 33 18SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat W. 60.00N 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. 06/14/00 1320 Date of Survey Signature and Scal of Professional Surveyer: 5280.001 West MONESSIONAN



Vastar Resources, Inc.

Page 1

Carracas 33 B #11

SHL: 1165' FNL, 1055' FWL BHL: 3800' FNL, 1320' FWL

Sec 33, 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 49° max then holds before dropping back towards vertical (S shaped) to 10° max through coal to TD.

1. <u>FORMATION TOPS</u>: The estimated tops of geologic markers as follows:

Ojo Alamo 3480' TVD Kirkland 3610' TVD Fruitland 3876' TVD

Top of Coal 4081' TVD, 5120' MD TD 4186' TVD, 5227' MD

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

Ojo Alamo 3480' TVD - Water Fruitland 3876' 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. <u>BLOWOUT PREVENTOR REQUIREMENTS:</u>

IntervalPressure Control EquipmentSurface - 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 nippled 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