

GAROSEN (DG



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

May 12, 2004

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

Energen Resources Corporation 2198 Bloomfield Highway Farmington, New Mexico 87401

Attention:

Richard Corcoran

District Landman

Re: Administrative application for an exception to the well location provisions of the Basin-Fruitland Coal (Gas) Pool (71629) for Energen Resources Corporation's proposed Carracas "36A" Well No. 1-R to be drilled as a replacement well for Energen Resources Corporation's Carracas "36A" Well No. 1 (API No. 30-039-26483) located in Unit "A" of Section 36, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, at an unorthodox coal gas well location within the E/2 of Section 36, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, being a standard 320-acre stand-up gas spacing unit for the Basin-Fruitland Coal (Gas) Pool,365 feet from the North line and 740 feet from the East line (Unit P) of Section 36 (administrative application reference No. pMES0-413331522).

Dear Mr. Corcoran:

My review of your application filed with the Division in Santa Fe on April 13, 2004 indicates that the information provided in your application is not sufficient to process an administrative order at this time. It appears that your application may either be incomplete with respect to notice or possibly not even necessary. Please refer to the Rules 7 (a) and (b) of the "Special Rules and Regulations for the Basin-Fruitland Coal (Gas) Pool," as promulgated by Division Order No. R-8768, as amended (see copy attached) and Division Rule 1207.A (2). Division Rule 1207.A (2) (a) states:

- "(2) Unorthodox Well Locations:
 - (a) Definition: "affected persons" are the following persons owning interests in the adjoining spacing units:
 - (i) the division-designated operator;
 - (ii) in the absence of an operator, any lessee whose interest is evidenced by a written document of conveyance either of record or known to the applicant as of the date the application is filed; and
 - (iii) in the absence of an operator or lessee, any mineral interest owner whose interest is evidenced by a written document of conveyance either of record or known to the applicant as of the date the application was filed.

In the event the operator of the proposed unorthodox well is also the operator of an existing adjoining spacing unit and ownership is not common between the adjoining spacing unit and the spacing unit containing the proposed unorthodox well, then "affected persons" include all working interest owners in that spacing unit".

The two offsetting Basin-Fruitland coal spacing units that will be affected by the proposed unorthodox coal gas well location are Energen Resources Corporation's:

- (i) E/2 of Section 25, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico, which is currently dedicated to the Carracas Unit "25-A" Well No. 16 (API No. 30-039-26476), located at an unorthodox coal gas well location (approved by Division Administrative Order NSL-4484, dated July 10, 2000) 585 feet from the South line and 710 feet from the East line (Unit P) of Section 25; and
- (ii) W/2 equivalent of Section 31, Township 32 North, Range 4 West, NMPM, Rio Arriba County, New Mexico, which is currently dedicated to the Carracas Unit "31-B" Well No. 5 (API No. 30-039-24417), located at a standard coal gas well location, but unorthodox at the time it was drilled (spud date August 31, 1990) and approved by Division Order No. R-8844, issued in Case No. 9559 on January 17, 1989, 1770 feet from the North line and 830 feet from the West line (Lot 2/Unit E) of Section 31.

From the information provided no conclusion could be made that either the provisions of Rule 7 (a) (2) apply in this instance or that Energen Resources Corporation controls 100 percent of the working interest in both of these offsetting coal gas spacing units.

Your application for administrative approval for the above-described unorthodox replacement coal gas well location is deemed incomplete; is hereby **withdrawn** and is being returned to you at this time.

If you find that it is necessary to re-file this application with me, please explain why the Carracas Unit "36A" Well No. 1 needs replacing. Thank you.

Michael E. Stogner Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec

U. S. Bureau of Land Management - Farmington

J. Scott Hall, Legal Counsel for Energen Resources Corporation - Santa Fe

PMESO-413331522

DATE IN 4/13/2004 SUSPENSE 5/3/2004 ENGINEER MS LOGGED NOS TOTAL SISTEMANTE OF THE PROPERTY OF

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

APR 1 3 2004

Carracas 36A #1R

ADMINISTRATIVE APPLICATION COVERSHEET DEVISION

ТН	S COVERSHE	ET IS MANDATORY FOR ALL ADMINI	STRATIVE APPLICATIONS FOR	EXCEPTIONS TO DIVISION R	ULES AND REGULATIONS	are.
_	IC-Down [PC-Poo	[NSP-Non-Standard Pro [DD-Directional Di shole Commingling] [C ol Commingling] [OLS - WFX-Waterflood Expans [SWD-Salt Water Dis lified Enhanced Oil Recov	rilling] [SD-Simult TB-Lease Commingli · Off-Lease Storage] ion] [PMX-Pressu posal] [IPI-Inject	aneous Dedication] ng] [PLC-Pool/Le [OLM-Off-Lease N re Maintenance Expa ion Pressure Increas	ase Commingling] leasurement] insion] se]	
[1] TYPF	E OF AI [A]	PPLICATION - Check Location - Spacing Un [X] NSL [] NSI	it - Directional Dri	lling		
	Check [B]	One Only for [B] and [Commingling - Storage] DHC [CTB	e - Measurement]PC []OLS	[]OLM	
	[C]	Injection - Disposal - I [] WFX [] PMX			•	
[2] NOTI	[A]	ION REQUIRED TO [] Working, Royalty	or Overriding Roya	alty Interest Owner		
	[B]	[X] Offset Operators,			tice	
	[D]	Notification and/o U.S. Bureau of Land Mana	r Concurrent Approgement - Commissioner of Pu	•	О	
	[E]	[] For all of the abov	e, Proof of Notifica	tion or Publication	is Attached, and/or,	
	[F]	[] Waivers are Attacl	hed		*	
[3] INFO	RMAT	ION / DATA SUBMIT	TTED IS COMPL	ETE - Statement o	f Understanding	
Regulations of approval is at RI, ORRI) is	of the Oi curate a commor	l Conservation Division nd complete to the best	n. Further, I assert of my knowledge a omission of data, i	that the attached ap and where applicab	with all applicable Rules oplication for administration le, verify that all interest fication is cause to have the	ive (WI,
		Note: Statement must b	e completed by an individ	ual with supervisory capa		
Richard Corcoran Print or Type Na	ame	Signature	Coicoran	District Landman	4/08/04 Date	



April 8, 2004

New Mexico Oil Conservation Division Attn: Michael E. Stogner 1220 South St. Francis Dr. Santa Fe. New Mexico 87505

RE: Administrative Approval of Unorthodox Location Carracas 36A #1R 365' FNL & 740' FEL Section 36, T32N, R5W Rio Arriba County, New Mexico

Dear Mr. Stogner:

Energen Resources Corporation (Energen) hereby requests Administrative Approval for an Unorthodox Location of its proposed Carracas 36A #1R Fruitland Coal well under the provisions of New Mexico Oil Conservation Division (NMOCD) Order R-8768.

The well is located 365' FNL & 740' FEL of Section 36-T32N-R5W, Rio Arriba County, New Mexico and dedicated to a 320 acre gas spacing unit consisting of the E/2 of said section 36, in the Basin Fruitland Coal gas pool.

This well is closer than 660 feet to the northern boundary of the proration unit, causing a non-standard location. This well is being proposed on the same well pad as the Carracas 36A #1, due to rough topography and the Forest Service request to minimize additional roads in the Carson National Forest.

A copy of this application is being sent to all offset operators by certified mail-return receipt request with a request that they furnish your office in Santa Fe a Waiver of Objection within 20 days of receipt of this application.

Attached is a well location plat showing dedicated acreage (C-102), a map showing all offsetting operators and a topographic map.

Your favorable consideration of this request would be appreciated.

Sincerely,

Richard P. Corcoran District Landman

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

Energy, Minerals & Natural Resources Department

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

Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

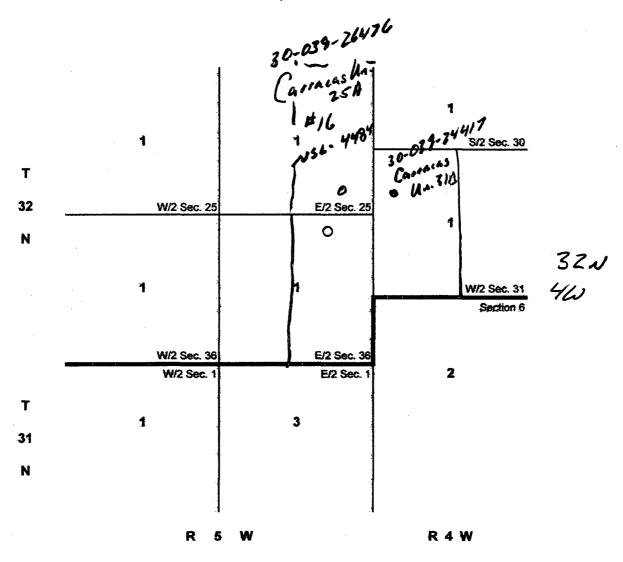
WELL LOCATION AND ACREAGE DEDICATION PLAT

'property Code 'OGRID No. 162928 U. or lot no. Section A 36		CARF	RACAS CANYON UNI	T		ell Number			
162928		•			Property Name Well CARRACAS CANYON UNIT 364				
1 20			*Operator Name *Elevati ENERGEN RESOURCES CORPORATION 6975						
1 20		¹⁰ Surface Location							
Ι Δ 36	Township Range	Lot Idn Feet fro		Feet from the	East/West line	County RIO			
	32N 5W	365		740	EAST	ARRIBA			
	¹¹ Bottom								
UL or lot no. Section	Township Range	Lot Idn Feet fro	m the North/South line	Feet from the	East/West line	County			
¹² Dedicated Acres 320.0	Acres - (E	/2) ¹³ Joint or	Infill ⁵⁴ Consolidation Code	^{\$5} Order No.		<u> </u>			
NO ALLOWABLE WIL	L BE ASSIGNE OR A NON-S	ED TO THIS COMP TANDARD UNIT H	LETION UNTIL ALL AS BEEN APPROVED	INTERESTS HAV BY THE DIVISION	'E BEEN CON ON	/SOLIDATED			
15280.00		36	365	I hereby ce contained him to the best Signature Don Gra Printed Nam Product Title Date 18 SURVEY I hereby cert shown on this notes of actual sy supervision and correct to Survey D Signature and	or tify that the increase is true and of my knowledge when the increase of my knowledge with the increase of t	FICATION Il location ed from field by me or under same is true y belief. 17, 2003			

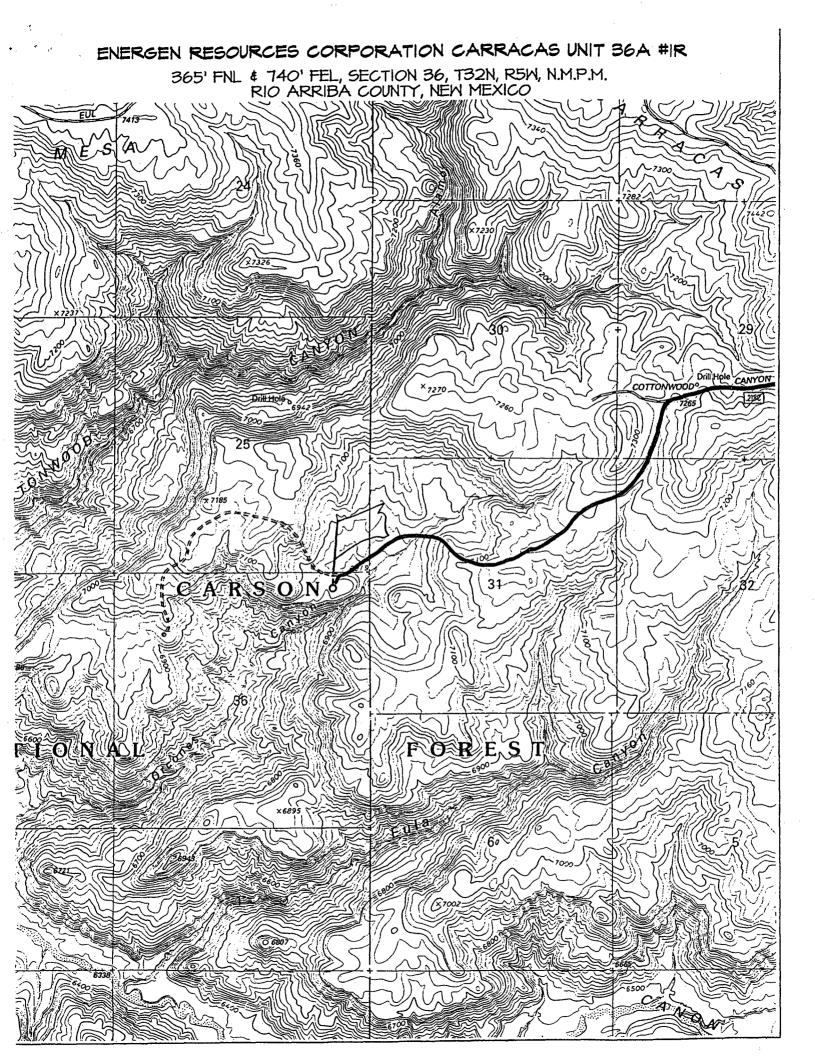
Chandwood 640-ar Section

Carraças 36A #1R Basin Fruitland Coal 365' FNL, 740' FEL, Section 36, T-32-N, R-5-W Rio Arriba County, New Mexico

Offset Operator Plat



- 1 Energen Resources
- 2 Williams Production Company
- 3 Open USA



Page: 1 Document Name: untitled

CMD: OG6IWCM INQUIRE WELL COMPLETIONS ONGARD 05/12/04 14:17:20 OGOMES -TPER

API Well No : ω 0 39 26483 Eff Date : 06-01-2003 WC Status : A

Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)

OGRID Idn : 162928 ENERGEN RESOURCES CORPORATION

Prop Idn : 32971 CARRACAS UNIT 36 A

Well No : 001

GL Elevation: 6970

U/L Sec Township Range North/South East/West Prop/Act(P/A)

MLot Identifier:

B.H. Locn

36

32N

05W

FTG 365 F N FTG 787 F

口

Д

Dedicated Acre: 320.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

(PF01 PF07 HELP PF02 PF08 PF09 PF03 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

%PF01 PF07 BKWD OG6ACRE CMD: Sect/Twp/Rng Dedicated Land: Spacing Unit Prop Idn Pool Idn API Well No HELP E0005: Enter data to modify or PF keys to scroll PF02 PF08 FWD 30 36 32N 05W Acreage Ø 71629 BASIN FRUITLAND COAL (GAS) 53705 OCD Order : 32971 CARRACAS UNIT 36 A 39 26483 Base U/L Sec PF09 ОЧНЕОВЪ PF03 EXIT C102-DEDICATE ACREAGE 36 36 36 3 6 36 Eff Date : 10-09-2000 ONGARD qwT 32N 32N 32N 32N 32N 32N 32N 05W 05W 05W 05W 05W 05W 05W PF04 GoTo Rng Acreage PF10 LAND 320.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 Revised C102? (Y/N) Simultaneous Dedication: PF11 PF05 L/W **ZZZZZZZ** NXTSEC Ownership FD FD ŦD FD ΉD 05/12/04 14:18:05 PF12 Page No : PF06 CONFIRM Well No : 001 OGOMES -TPER Lot Idn RECONF ب

THE TRIESC'S II TONE

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

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

			OF THE INTE AND MANAGEME		ſ	5. LEASE DESIGNATION AND SERIAL NO.					
		NM 29340									
APPI	LICATION FO	OR PER	RMIT TO DRIL	L OR DEEPEN		6. IF INDIAN, ALLOTTED OR TRIBE NAME					
b. TYPE OF WORK	RILL 🛛	·	DEEPEN 🗆			7. UNIT AGREEMENT NAME 26249					
WELL	WELL X OT	HER.		TONE MOLTI	PLB _	8. FARM OR LEASE NAME WOLL, NO.					
VASTAR RESO	··	ځ	36619			CARRACAS 26 A #1					
3. ADDRESS AND TELEPHONE NO. 1816 E. MOJAVE, FARMINGTON NM 87401 (505) 599 43005 677 8 10. PIBLO AND POOL, OR WILDCAY At MUTIACO At MUTIACO											
4. LOCATION OF WELL At surface	(Report location cle	arly and is	a accordance with any	State prochements.")	3	BASIN FRUITLAND COAL					
At proposed prod. sone 12.50 - 2015 FNL, 787' FEL At proposed prod. sone 12.50 - 2015 FNL 1323 FEL (MIDDOINT GOAL) NO SEEK. AND AUGUSTS OR AREA SEC. 7. B., M. OR BLK. AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787' FEL AND AUGUSTS OR AREA 12.50 - 2015 FNL 787'											
14. DISTANCE IN MILE			BLOOMFIELD.		(·)	12. COUNTY OR PASSEN 18. STATE					
15. DISTANCE FROM PR LOCATION TO MEAN PROPERTY OR LEASE	OFCEED* SET S LING, FT.	1		824.25 3 1 100	17, 900 0	RIO ARRIBA NM PACREN AGRIGAND 18 WALL 320					
18. DISTANCE FROM P	, DRILLING, COMPLET	77	19.	PHOPOSED BEPTH 6' TVD, 3968" M		RT OR CABLE TOULS					
21. ELEVATIONS (Show 69	whether DF, B7; GB 70' GL	, etc.)			·•	July, 2000					
23.		P	PROPOSED CASING A	ND CEMENTING PROGR	AM	· · · · · · · · · · · · · · · · · · ·					
SIZE OF ROLE	GRADE, SIZE OF C	ASMG	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT					
7-7/8"	8-5/8" 5-1/2"		24# 15.5#	400'	300						
7-7/8" 5-1/2" 15.5# 3968 MD 900 sx (1730 c.f.)C1rc. to Surf. This action is subject to technical and procedural review pursuant to 43 CFR 3185.3 and appeal pursuant to 43 CFR 3185.4.											
	_	•		al plan) begins 50°							
				e dropping back to	wards ve	rtical (S shaped)					
	° max through	coal to	TD.			9 j					
SHL		365' FN		0, LAD	0' MD	Company (Inc.)					
			L 1311' FEL		61' MD						
-			L 1312' FEL		74' MD						
			L 1313' FEL	- -	86' MD						
BHL	at TD 13	320' FN	L 1320' FEL	3796' TVD 39	68' MD	المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة المنظمة					
DRILLIANS OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED - "GENERAL REQUIREMENTS"											
				iala on present productive zor tical depths. Give blowout pre		d new productive zone. If proposal is to drill or					
24.	ules W. Kr	<u> (/</u>	1	ENGINEER (505)		.//.					
CHARL	SW_KNIGHT Pederal or State of										
		: *		APPROVAL DATE							
PERMIT NO	loss not warrant or certif	y that the acroi	ilcant holds legal or equitab		act lease which v	would entitle the applicant to conduct operations the					
CONDITIONS OF APER		, — 									
APPROVED BY	let Ji	m Lova	ato NMOCD			JUL 1 2000					

*See Instructions On Reverse Side

District I [41] Hag 1980, Habber, MM 88241-1980 District II 811 South First, Artesia, NM 88210 District III

State of New Mexico Energy, Minerala & Natural Remineres Department

OIL CONSERVATION DIVISION 2040 South Pacheco

Form C-102 Revised October 18, 1994 Instructions on back

Submit to Appropriate District Office

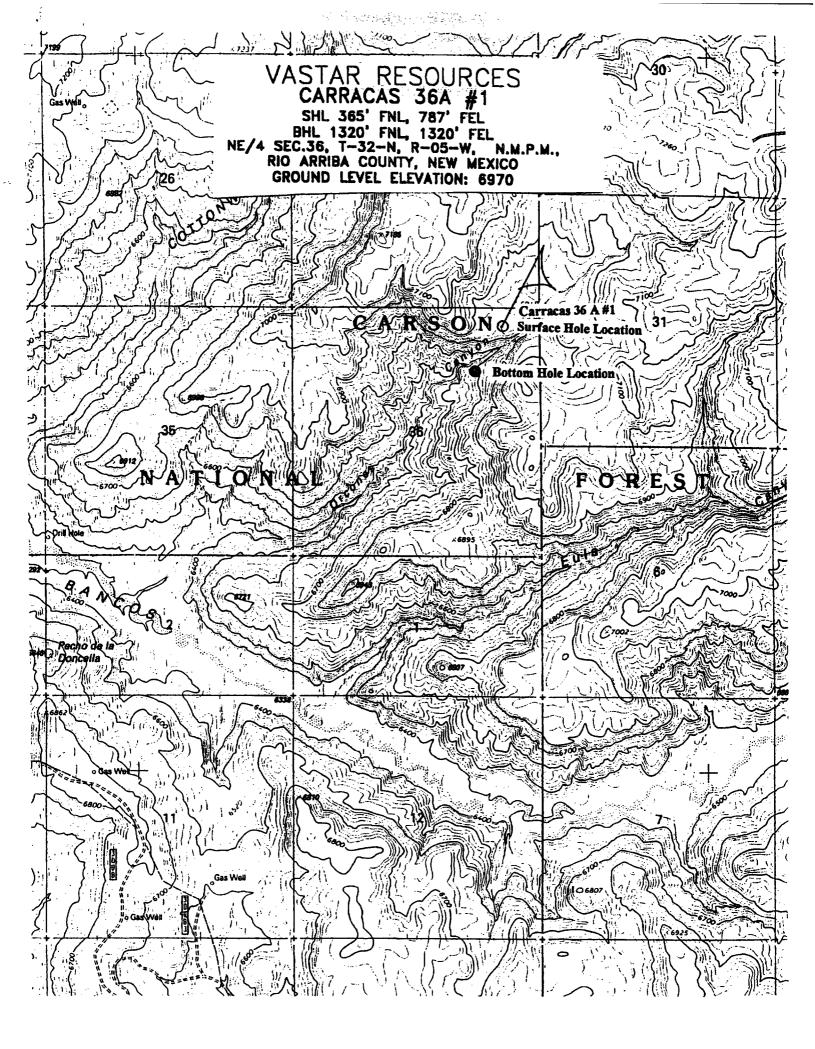
MORESSIO

State Lease - 4 Copies

(1800 Rio Brazon I District IV	ld., Ask, (NAS #7410			Santa Fe, N	M 87505			Fee	e Leuse - 3 Copies
2040 South Pache	ca, Sunta Fo	, NNI W7505						C	AM.	ENDED REPORT
		WE	LL LO	CATION	N AND ACE	REAGE DEDIC	CATION	PLAT		
30.0	AM Number	648	3	1 Pool Cod 71629				Name uitland C	oal _	
3 Property	349				1 Property CARRACAS					* Well Number
10GRID No. 36619					Operator	Name				* Elevation 6970 *
		•			10 Surface					
UI. or lot no.	Section 36	Township 32N	Runge 5W	Lot Ida	Feet from the 365	North/South line NORTH	Feet from th	e East/We		County RIO ARRIBA
			¹¹ Bo	ttom Hol	le Location I	f Different Fro	om Surfac	е		
UL of lot no.	Section 36	Township 32N	Range SW	Lot Idn	Feet framethe	North/South line NORTH	Free (1941)	e East/We		County RIO ARRIBA
" Dedicated Ac 320 ac			Consolidatio	on Code u (Order No.	INVALI		LANGALA.		ALU ARKIDA
NO ALLOW	ABLE W					UNTIL ALL INT NAPPROVED BY			CONS	OLIDATED OR A
16		N89°5	54'W	528	80.66	SHL 787	17 O	PERATOR	CER	TIFICATION contained herein is
					BHL (00 / 1320'		Karles U) [c	n knowledge and belief
						NSL	Signalu	Charle:	s W. F	Knight, Jr.
.00				ß	f c		Printed	Name Eng	gineer	
5280.00							5280	June	21, 2	000
L.			Sec	t:10n 36		151617187920	Date			
North					Kall of 8 3 for	W B STORY	hereby the plant p	y certify that the tited from field no er my supervision to the best of my O6/14/	well locasi oles of act , and that belief.	RTIFICATION fon shown on this plat rull surveys made by me t the same is true and
							Signatu	re and Seal of Pr		

5280.00'

West



Vastar Resources, Inc.

Carracas 36 A #1

SHL: 365' FNL, 787' FEL BHL: 1320' FNL, 1320' FEL

Sec 36, T32N, R5W

Rio Arriba County, New Mexico

DRILLING PLAN

Directional drilling (see attached directional plan) begins 50' below surface casing at 450' and builds to 21° 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

3115' TVD

Kirkland

3205' TVD 3534' TVD

Fruitland
Top of Coal

3691' TVD, 3861' MD

TD

3796' TVD, 3968' MD

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

Ojo Alamo

3115' TVD - Water

Fruitland

3534' 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' **Pressure Control Equipment**

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

Page 1

TABULATION OF DEVIATION TEST VASTAR RESOURCES, INC.

	DEPTH	DEVIATION	DEPTH	DEVIATION
	184'	0.50		
	430'	1.00		
	484'	0.50		有无证人
				NOV 2000
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	<u> </u>			
		AFFIDAVIT		10 11 8 8 July 11 11 11 11 11 11 11 11 11 11 11 11 11
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		•	_	he above tabulation details the
deviation test		STAR RESOURCES,	INC'S:	
	Carracas			
	365' FNL	å 787' FEL Sec. 3	36, T32N, R5	<u>W</u>
	Rio Arribo	County, New Mexic	co	
			11	
	,	Signed: ////	W/Ulux	_
		Title: SR. R	gulatory/ Ana	lyst
71 /C 07 17C	OF TEVAC	,	U	
THE STATE	OF TEXAS	, 55.		
COUNTY OF	HARRIS)			
BEFORE ME,	the undersign	ed authority, on th	is day persona	MARY CORLEY
known to me	e to be a 🙎	SR. Regulatory Anal	yst for Vastar	Resources and to
be the person	n whose name	is subscribed to the	e above staten	nent, who being by me dully
sworn on oath	h, stat <mark>e</mark> s that	she has knowledge	of the facts s	stated herein and that said
statement is	true and con	rect.		
SUBSCRIBED	AND SWORE	V to before me. a N	Votary Public i	in and for said County and State
		November , 200	•	
		0 0		
	0.46		ſĨ	JUANDA TATE
Notary	<i>PUDIIC</i>		11	Notary Public, State of Texas
My Commissio			21	My Commission Expires

Form 3100-5 (June 1990).

or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993 Designation and Senal No.

NM 29340

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill Use "APPLICATION FOR	[÷ இற் CARRACAS UNIT								
SUBMIT IN TRIP	SUBMIT IN TRIPLICATE 07 HAR IN THE								
1. Type of Well Oil Gas Well Well Other 2. Name of Operator VASTAR RESOURCES, INC. 3. Address and Telephone No. 1816 E. MOJAVE ST., FARMINGTON, NM 8740- 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NENE 365' FNL & 787' FEL SEC. 36, T-32N, R-12. CHECK APPROPRIATE BOX(s) TO INDIC	C. OLDISI 3	8. Well Name and No. CARRACAS 36 A # 1 9. API Well No. 30-039-26483 10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL 11. County or Parish, State RIO ARRIBA, NM							
TYPE OF SUBMISSION									
Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other NEW WELL COMPLETION	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water							
13. Describe Proposed or Completed Operations (Clearly state all pertinent	t details, and give pertinent dates, including estimated date of starting any prop	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)							

drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Referance Vastar's application for permit to drill dated 06/21/00 and BLM'S approval dated 07/11/00, Re-the subject well. Operator ran a CCL/GR/CNL fm 3958' to 2958' and perforated Fruitland Coals as follows: 3836-3854 (18') and 3904-3911 (7'), Total 25' w/ 4 spf, 100 holes w/ 0.42" diameter. Treat all perfs w/ 500 gal 10% formic acid followed w/ 101,398 gal 25# Delta Frac 140 gel w/ sandwedge containing 2,053 sx 20/40 Brady Sand. Cleaned out 5 1/2" csg to 3975' (PBTD) and ran 1.9" 2.76#, J-55, IJ 10RD tbg w/ 'F' nipple and expendable check valve. No pkr, EOT @ 3822'. N.U. 2 3/8" X 2000# flanged tree, flow and clean well to flowback tank and run 24 hr flow test. Shut well in--WOPLC. Completion operations started on 09/28/00 and were finalized on 10/09/00. Note: This well was directionally drilled. Location @ Total depth 1256' FNL & 1284' FEL.

cc: BLM Well F **WORKOVER SUPERVISOR** (This space for Federal or State office Approved by IELD OFFICE Conditions of approval, if any 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

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

Control of the one of the control

FORM APPROVED Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or deepen or reentry to a different reservoir. Bus
Do not use this form for proposals to drill or deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals ZUI CT CT
SUBMIT IN TRIPLICATE Type of Well To the W
Type of Wall Ges G
Type of Well Gas Gas Well Citizen St. Well Reme and Re. CARRACAS 36 A #1
New Notice of Intent Change of Plans
VASTAR RESOURCES, INC. 3. Address and Tolophoco No. 1818 E. MOJAVE ST., FARMINGTON, NM 87401 (505) 599-880 RECEIVED 4. Location of Wall (Pootage, Soc., T., R., M., or Survey Desortation) SHL: 365' FNL, 787' FEL, Section 38, T32N, R5W BHL: 1256' FNL, 1284' FEL, Section 38, T32N, R5W 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction Now Construction New Construction Non-Routine Practuring Water Shut-Off Abandonment One-Routine Practuring Water Shut-Off Altering Casing One-Ration of militin templetin at 12d Completion Dispose Water Given Report Given Repo
A Address and Telephone No. 1818 E. MOJAVE ST., FARMINGTON, NM 87401 (505) 598-4890 RECEIVED 30-039-26483 10. Ridd and Peal, or Exploratory June BASIN FRUITLAND COAL 11. County or Pariely, States BASIN FRUITLAND COAL 11. County or Pariely, States BASIN FRUITLAND COAL 11. County or Pariely, States RIO ARRIBA COUNTY, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction New Construction New Construction Non-Routine Pre-cturing Water State-Off Caning Repair Water State-Off Completion Dispose Water Bless. Report mode of milight semplation as Yell Completion Transfer of milight semplation as Yell Completion Conversion to Injection Dispose Water Bless. Report mode of milight semplation as Yell Completion of Intent Internation of milight semplation as Yell Completion of Intended Plans and Based on Yell Altering Caning Dispose Water Bless. Report mode of milight semplation as Yell Completion of Intended Plans and Based on Yell Altering Caning Dispose Water Bless. Report mode of milight semplation as Yell Completion of Intended Plans and Based on Yell Altering any proposed work. If well in directionally offlood, give substricts becarious and measured and two vertical deptons for all measures and gene performent to 16th work.)* 8-7-00 Spated 12 1/4" hole @ 12:00. TD'd seurfaces hole at 430' on 8-7-00 @ 18:30. Ran 9 joints 8 5/8" 24# J-
1818 E. MOJAVE ST., FARMINGTON, NW 87401 (505) 598-4880 A. Location of Woll (Poolege, So., T., R., M., or Survey Description) SHL: 365' FNL, 787' FEL, Section 38, T32N, R5W BHL: 1256' FNL, 787' FEL, Section 38, T32N, R5W 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Physician Box Non-Routine Fracturing Subsequent Report Casing Repair Water Shut-Off Aftering Casing Final Abandonment Notice Final Abandonment Notice The Casing Repair Subsequent Report Conversion to Injection Dispose Water Site Report and of our first and perform date, including settinated date of starting any proposed work. If well in directionally defined, give subscription and measured and two vertical days for all multiple surprison to the work.)* 8-7-00 Spud 12 1/4" hole @ 12:80. TD'd surface hole at 430' on 8-7-00 @ 18:30. Ran 9 joints 8 5/8" 24# J-
A. Location of Well (Footage, So., T., R., M., or Survey Description) SHL: 365' FNL, 787' FEL, Section 38, T32N, R5W BHL: 1256' FNL, 1284' FEL, Section 38, T32N, R5W 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction Phaging Back Non-Routine Practuring Subsequent Report Caring Repair Water Shut-Off Altering Casing Conversion to Injection Final Abandonment Notice Recompletion PRILING OPERATIONS 11. Describe Proposed or Carylands dynasters (Searly wints all performs dates), including setimated date of starting any proposed work. If well is directionally diffed, give subsurface locations and manused and two varied depths for all markers and sones performs to this work.)* 8-7-00 Spuid 12 1/4" hole @ 12:80. TD'd surface hole at 430' on 9-7-00 @ 18:30. Ran 9 joints 8 5/8" 24# J-
SHL: 365' FML, 787' FEL, Section 38, T32N, R5W BHL: 1256' FML, 1284' FEL, Section 38, T32N, R5W RIO ARRIBA COUNTY, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment
BHL: 1256' FNL, 1284' FEL, Section 38, T32N, R5W RIO ARRIBA COUNTY, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction New Construction New Construction Non-Routine Practuring Water Shut-Off Altering Casing Operations Pinnal Abandonment Notice Richard Type of Submission Phugging Back Non-Routine Practuring Water Shut-Off Altering Casing Conversion to Injection Dispose Water Glote Report results of militals surplicion on Val Completed Operations of Recompleted Report and Inguity of Miled, the absurface location and measured and two vertical dupts for all markers and sones performed to the work.)* 8-7-DD Spuid 12 1/4" hole @ 12:80. TD'd surface hole at 430" on 9-7-DD @ 18:30. Ran 9 joints 8 5/8" 24# J-
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment
TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction Plugging Back Non-Routine Fracturing Valer Shut-Off Altering Casing Conversion to Injection Pinal Abandonment Notice Valer Shut-Off Other DRILING OPERATIONS Dispose Water Glear Report reachs of militals completion on Water Shut-Off Other DRILING OPERATIONS Dispose Water Other DRILING OPERATIONS DISPOSE Other DRILING OPERA
TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction Plugging Back Non-Routine Practuring Subsequent Report Casing Repair Altering Casing Conversion to Injection Plinal Abandonment Notice Not
Abandonment Change of Plans Notice of Intent Recompletion New Construction Plugging Back Non-Routine Practuring Subsequent Report Casing Repair Water Shut-Off Altering Casing Conversion to Injection Pinal Abandonment Notice X Other DRILING OPERATIONS Dispose Water Glotic Report results of multiple completion on Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all perform details, and give performed dates, including estimated date of starting any proposed work. If well in directionally drilled, give adherence bearform and measured and two vertical depths for all markers and ponse performent to this work.)* 9-7-00 Spuid 12 1/4" hole 12:00. TD'd surface hole at 430" on 9-7-00 18:30. Ran 9 joints 8 5/8" 24# J-
Notice of Intent Recompletion New Construction Phaging Back Non-Routine Practuring Subsequent Report Casing Repair Water Shut-Off Altering Casing Conversion to Injection Dispose Water Other DRILING OPERATIONS Dispose Water Glock Report results of multiple completion on Wall Completion of Recomplation
Plugging Back Non-Routine Practuring Subsequent Report Casing Repair Water Shut-Off Altering Casing Conversion to Injection Dispose Water Dispose Water
Altering Casing Conversion to Injection Other DRILING OPERATIONS Dispose Water Gloss, Report results of multiple completion on Wall Completion of Recompletion
Pinni Abendonment Notice Chief DRILING OPERATIONS Dispose Water
flote: Report results of multiple completion on Wall Completion of Recompletion on Wall Completion of Recompletion of Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly visite all performs datalia, and give performs dates, including estimated date of vierting any proposed work. If well in directionally diffed, give authorities locations and measured and two vertical depths for all meritors and genes performs to trie work.)* 8-7-00 Spud 12 1/4" hole @ 12:00. TD'd surface hole at 430' on 9-7-00 @ 18:30. Ran 9 joints 8 5/8" 24# J-
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erited, give admirates bestime and measured and two vertical depths for all markers and ponce perferent to the work.)* 8-7-00 Spud 12 1/4" hole @ 12:00. TD'd surface hole at 430' on 9-7-00 @ 18:30. Ram 9 joints 8 5/8" 24# J-
coment to pit. Installed bradenhead & BOP. Tested BOP to 250 psi low 2000 psi high. Drilled out with 7 7/8" bit. Begin directional build at 526'. 9-17-00 TD'd 7 7/8" hele at 4024' MD (3864' TVD) @ 17:00 1019' southwest of SHL at 214.5 degree azmith. Ran 98 joints 5 1/2" 17# K-55 LTC casing to 4024' MD and comented with 1100 sx 65/35 H Poz w/ 6% gel, 5 #/sk Gilsonite & 1/4PPS Flocele followed by 100 sx 50/50 H Poz w/ 2% gel, 5 #/sk Gilsonite & 1/4PPS flocele. Circulated 55 bbls coment to pit. CIP 17:00 8-24-00. ND BOP, NU Wellhead, RD. cc: BLM, Familie ton (0r + 3) N. Helt Well File.
14. 1 hareby prefly that the foregolds to true and correct Signed Tide Engineer 505 598 4308 Deta DEC 0 6 2000
Conditions of approval, if any:
Arthunus un FIC
Title 18 U.S.C. Section 1001, makes it a crime for any parson knowingly and willfully to make to any department or agency of the United States any false, Sciffous or frauddent statements



DIRECTIONAL SURVEY REPORT

Prepared For

VASTAR RESOURCES, INC. 36-32N-5W CARRACAS 36 A #1 RIO ARRIBA COUNTY, NM

> Prepared By: Judi Moore - Well Planner Scientific Drilling International Rocky Mountain District

Scientific Drilling International 7237 W. Barton Rd. - P.O. Box 1600 Mills, WY 82644 (307) 472-6621 judimoore-sdi@caspers.net



Directional Survey Certification

RE:_	Vastar Resources, Inc.	Operator
	Carracas 36 A #1	Well Name & No.
_	Sec. <u>36</u> , <u>T32N</u> , <u>R5W</u>	_Surface Hole Location
_	Rio Arriba County, NM	Location
_	41DMWD0900133	SDI Job No.
I, _	Judi Moore	, having personal knowledge of all the facts, hereby
certify	that the attached directional survey run from a mo	easured depth of 423 feet to a
meas	ured depth of 4024 feet is true and correct	t as determined from all available records.
	// n.m.	
(full 11/01 Wel	1 Planner SDI
	['] Signature	Title Company
;	State of : Wyoming	_}
	Occuptor of the Madagana	} ss
(County of : Natrona	}
	On this 10th day of October,	2000, before me personally appeared
_	Tudi Moore to me know instrument and acknowledged that (s)he executed	n as the person described in and who executed the foregoing
	ristrument and acknowledged that (s)the executed	are same as his/her free act and deed.
	Seal James Alle Those	a Qua. 18, 2004
	Notery Public	My Commission Expires
	SUMMER J. WHITEHOUSE-NOTARY PUB	
	County of State of Natrona Wyoming	
	No Commission of Control of Contr	1



Scientific Drilling International CASPER, WY

医骶骨线 医皮肤 有势的 医外侧

Fleld:

Company: Vastar Resources, Inc. Rio Arriba County, NM

Site: Well: Wellpath:

CARRACAS 36 A #1 OH

Date: 10/9/2000

Start Date:

Co-ordinate(NE) Reference:

Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:

Time: 16:44:21 Well: #1, True North

Minimum Curvature

SITE 0.0 Well (0.00E,0.00N,207.86Azi)

Ďb: Sybase

Page:

Survey: Survey #1

Company: Tool:

Scientific Drilling MWD,

Engineer: Tied-to:

John Sears User Defined

9/13/2000

Field:

Rio Arriba County, NM

Map System: US State Plane Coordinate System 1927

Geo Datum: Clarke 1866 Sys Datum: Mean Sea Level Map Zone: Coordinate System: New Mexico, Central Zone

Well Centre Geomagnetic Model: igrf2000

Site:

Well:

CARRACAS 36 A #1

SITE

SHL SEC.36,T32N,R5W

Site Position: From: Lease Line **Position Uncertainty:**

Northing: Easting:

Latitude:

Longitude: North Reference:

True -0.15 deg

Ground Level:

0.00 ft 0.00 ft

Slot Name:

Grid Convergence:

Well Position: +N/-S +E/-W

0.00 ft Northing: 0.00 ft Easting:

2152991.41 ft 426917.75 ft

0.00 ft

Latitude: Longitude:

59.999 N 30 0.000 W

Position Uncertainty: Wellpath: OH

0.00 ft

Drilled From:

Tie-on Depth: Above System Datum: Surface 0.00 ft Mean Sea Level

Current Datum: Magnetic Data: Field Strength: **Vertical Section:**

8/31/2000 52202 nT

+N/-S

Declination: Mag Dip Angle: +R/-W

10.70 deg 64.14 deg Direction

Depth From (TVD) ft ft deg 207.86 3796.00 0.00 0.00

Height

Annotation

TVD MD

4024.00 3863.60 SURVEY @ 4024 MD IS A PROJECTION

Survey

Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ClsD ft	ClsA deg
423.00	0.00	0.00	423.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
484.00	0.50	165.30	484.00	0.20	-0.26	0.07	0.82	61.00	0.27	165.30
538.00	1.80	215.50	537.99	1.21	-1.18	-0.37	2.83	54.00	1.23	197.25
568.00	4.00	222.90	567.95	2.69	-2.33	-1.35	7.42	30.00	2.69	210.1
629.00	9.00	216.80	628.54	9.46	-7.71	-5. 6 6	8.26	61.00	9.56	216.29
690.00	11.21	216.09	688.59	20.04	-16.32	-12.01	3.63	61.00	20.27	216.3
752.00	13.30	216.20	749.17	33.06	-26.95	-19.77	3.37	62.00	33.42	216.2
814.00	14.90	215.70	809.30	48.02	-39.18	-28.64	2.59	62.00	48.53	216.1
881.00	16.80	212.20	873.75	66.21	-54.37	-38.83	3.17	67.00	66,81	215.5
939.00	18.60	209.40	929.01	83.81	-69.52	-47.83	3.43	58.00	84.39	214.5
1001.00	21.40	209.80	987.26	105.01	-87.95	-58.31	4.52	62.00	105.53	213.5
1063.00	21.30	210.70	1045.01	127.56	-107.45	-69.68	0.55	62.00	128.07	212.9
1123.00	20.90	210.40	1100.98	149.14	-126.05	-80.66	0.69	60.00	149.65	212.6
1185.00	20.80	211.00	1158.92	171.17	-145.03	-91.93	0.38	62.00	171.71	212.3
1246.00	19.70	210.40	1216.15	192.26	-163.18	-102.71	1.84	61.00	192.81	212.1
1307.00	19.40	209.40	1273.64	212.66	-180.87	-112.88	0.74	61.00	213.21	211.9
1369.00	18.70	210.50	1332.24	232.88	-198.41	-122.98	1.27	62.00	233.43	211.7
1483.00	20.60	205.30	1420.77	264,46	-226.35	-137.70	2.75	94.00	264.94	211.3
1557.00	20.10	207.60	1508.90	297.13	-255.61	-152.25	1.00	94.00	297.52	210.7



Scientific Drilling International CASPER, WY

Field: Site:

Well:

Company: Vastar Resources, Inc. Rio Arriba County, NM CARRACAS 36 A #1

Wellpath: OH

4024.00

8.50

214.50

3863.60

1019.77

Date: 10/9/2000

Co-ordinate(NE) Reference: Vertical (TVD) Reference:

Section (VS) Reference: Survey Calculation Method:

Time: 16:44:21

0.00

38.00

1020.02

209.12

Page:

Well: #1, True North **SITE 0.0**

Well (0.00E,0.00N,207.86Azi) Minimum Curvature

Ďb: Sybase

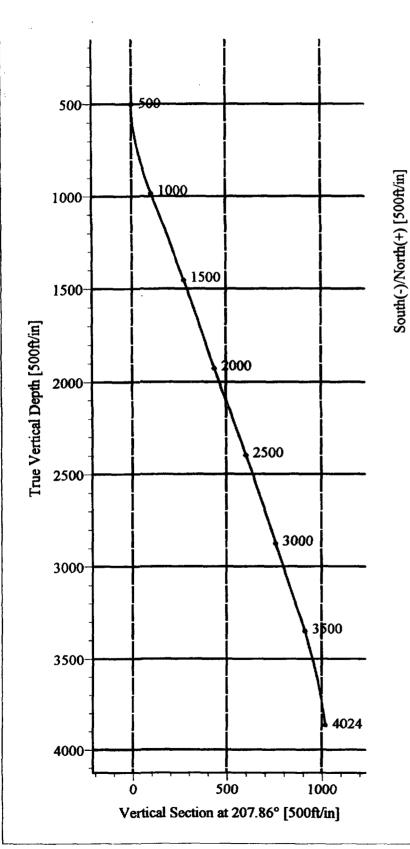
Meas Depth ft	Inclination deg	Azimuth deg	TVD ft	Vert Sect ft	N/S ft	E/W ft	DLS deg/100ft	CLen ft	ClsD ft	ClsA deg
1652.00	18.90	206.50	1598.45	328.84	-283.85	-166.68	1.32	95.00	329.17	210.42
1746.00	18.70	207.80	1687.44	359.13	-310.80	-180.50	0.49	94.00	359.42	210.15
1839.00	17.80	207.40	1775.76	388.25	-336.61	-194.00	0.98	93.00	388.51	209.9
1930.00	19.40	204.10	1862.01	417.24	-362.76	-206.57	2.10	91.00	417.45	209.6
2022.00	18.40	205.60	1949.04	447.00	-389.80	-219.08	1.21	92.00	447.15	209.3
2115.00	20.20	202.10	2036.82	477.65	-417.92	-231.47	2.30	93.00	477.74	208.9
2206.00	19.80	201.10	2122.33	508.58	-446.85	-242.93	0.58	91.00	508.62	208.5
2299.00	18.60	201.70	2210.16	538.97	-475.33	-254.08	1.31	93.00	538.98	208.1
2390.00	20.00	203.90	2296.04	568.93	-503.04	-265.75	1.73	91.00	568.93	207.8
2482.00	19.40	203.20	2382.65	599.85	-531.47	-278.15	0.70	92.00	599.86	207.6
2576.00	18.50	210.40	2471.57	630.32	-558.69	-291.85	2.66	94.00	630.32	207.
2670.00	17.60	208.80	2560.95	659.43	-584.01	-306.24	1.09	94.00	659.43	207.0
2761.00	18.40	212.10	2647.49	687.50	-608.23	-320.50	1.42	91.00	687.51	207.
2853.00	17.80	210.10	2734.94	716.04	-632.70	-335.27	0.94	92.00	716.04	207.9
2945.00	17.70	211.70	2822.56	744.04	-656.76	-349.67	0.54	92.00	744.05	208.
3038.00	16.60	213.20	2911.43	771.38	-679.91	-364.37	1.27	93.00	771.39	208.
3132.00	17.20	210.10	3001.37	798.63	-703.17	-378.70	1.15	94.00	798.66	208.
3225.00	18.10	209.80	3089.99	826.81	-727. 6 0	-392.77	0.97	93.00	826.84	208.
3319.00	18.70	210.60	3179.18	856.46	-753.24	-407.70	0.69	94.00	856.50	208.
3412.00	18.50	211.80	3267.33	886.07	-778.61	-423.06	0.46	93.00	886.13	208.
3505.00	15.70	210.90	3356.21	913.36	-801.96	-437.30	3.02	93.00	913.44	208.
3600.00	14.50	211.30	3447.92	938.07	-823.15	-450.08	1.27	95.00	938.16	206.
3691.00	13.40	211.70	3536.24	959.96	-841.85	-461.54	1.21	91.00	960.07	208.
3785.00	11.60	215.50	3628.01	980.20	-858.82	-472.76	2.10	94.00	980.34	208.
3909.00	9.30	218.10	3749.94	1002.41	-876.85	-486.18	1.89	124.00	1002.62	209.
3986.00	8.50	214.50	3826.02	1014.19	-886.44	-493.24	1.27	77.00	1014.43	209.

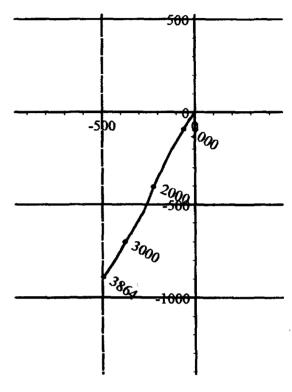


Vastar Resources, Inc.

Field: Rio Arriba County, NM Site: CARRACAS 36 A #1 Well: #1

Welipath: OH Survey: Survey#1





West(-)/East(+) [500ft/in]

BOTTOM HOLE CLOSURE

38.0 ft. 209.12° Azimuth

FINAL STATION

4024.0' MD 3863.6' TVD 8.5° Angle 214.5° Azimuth South 891.07 ft. West 496.42 ft. 1019.77' Vert. Sect.

Survey: Survey #1 (#1/OH)

Created By: Judi Moore	Date: 10/9/2000
Checked:	Date:
Reviewed:	Date:
Approved:	Date:

Form 3160-4

36. I hereby certif

SIGNED

UNITED STATES

SUBMIT IN DUPLICATE' (See other instruction

FOR APPROVED OMB NO. 1004-0137

(C tober 1990) on reverse side Expires: December 31, 1991 DEPARTMENT OF THE INTERIOR LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT NM 29340 IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 1 a. TYPE OF WELL: M OTHER NEW COMPLETION UNIT AGREEMENT NAME b. TYPE OF COMPLETION: Carracas Unit MEM X П FARM OR LEASE NAME, WELL NO. NAME OF OPERATOR VASTAR RESOURCES, INC. Carracas 36 A # 1 API WELL NO. 3. ADDRESS AND TELEPHONE NO. (505) 5 ⁴³⁰AEC 2000 1816 E. MOJAVE, FARMINGTON, NM 87401 30-039-26483 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements, **BASIN FRUITLAND COAL** CILCON, DIV DENE 365' FNL & 787' FEL SEC., T., R., M., OR BLOCK AND SURVEY OR AREA At surface DIST. 3 1232' FWL & 1266' FEL At top prod. interval reported below SEC. 36, T-32N, R-5W 1256' FNL & 1284' FEL At total depth PERMIT NO 12. COUNTY OR PARISH 13. STATE JIM LOVATO 07/11/00 **RIO ARRIBA** 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD 09/07/00 09/17/00 10/09/00 6986 KB 6970 GL 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD IF MULTIPLE COMPL, INTERVALS ROTARY TOOLS CABLE TOOLS HOW MANY DRILLED BY 4024 MD/3864 TVD 3975 MD/ 3815(TVD) 0-4024 24. PRODUCING INTERVALIS), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE FRUITLAND 3836-3911 (MD) 3678-3752 (TVD) YES 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED CCL/GR/CNL & MUD LOG NO CASING RECORD (Report all strings set in well) HOLE SIZE RE-ENTRY WEIGHT, LB./FT DEPTH SET (MD) TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED CASING SIZE/GRADE 8 5/8" J-55 24.0 424 12 1/4 300 SX GL NONE 17.0 4024 1200 SX 77/8 GL NONE 5 1/2 K-55 RE-ENTRY TUBING RECORD TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE 1.9 3822 NONE 31. PERFORATION RECORD (Interval, size and number) ACID. SHOT, FRACTURE, CEMENT SQUEEZE, ETC DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 500 GAL 10% Formic acid plus 3836-3854 (18') and 3904-3911 (7'), Total 25' 3836-3911 w/ 4 spf, 100 holes w/ 0.42" dia. followed w/ 101,398 gal 25# Delta Frac 140 gel w/sw containing 2,053 sx 20/40 Brady sand PRODUCTION PRODUCTION METHOD DATE FIRST PRODUCTION (Flowing, gas lift, pumping - size and type of pump) WELL STATUS (Producing or shut-in) **FLOWING** SI-WOPLC CHOKE SIZE HOURS TESTED PROD'N, FOR DATE OF TEST OIL - BBL. GAS - MCF. WATER - BBL. GAS-OIL RATIO TEST PERIOD 24 250 10/16/00 44 1/2 FLOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL - BBL GAS - MCF. WATER - BBL OIL GRAVITY - API (CORR.) 24-HOUR RATE 330 80 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc. **VENTED** 35. LIST OF ATTACHMENTS

中人的现在分词

(See Instructions and Spaces for Additional Data 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.

regoing and attached information is complete and correct as determined from all available record

TITLE WORKOVER SUPERVISOR ARMINISTER

1. 一种有意义之间 李维斯特特 INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE	FORMATION TOPS IN CON	FORMANCE WITH GEOGRAP	HICAL SECTION OF STATE
	Southeastern New Mexico	Northw	estern New Mexico
Anhy	T. Canyon	T Oio Alamo 3100'	T Penn "R"

r Ash-		Southeas	tern New Mexico T. Canyon	T Ola Al	lama	Northwes 3100'_	T. Penn. "B"
			•	T. Viole	amo	3100	T. Penn. "C"
						and 3208'	
						3918'	
i. Yates			T. Miss	1. Clm F	iouse		T. Leadville
. / Kiv	ers		T. Devonian	I. Mener	ee		T. Madison
			T. Silurian	1. Point i	Lookout	<u> </u>	T. Elbert
l'. Grayl	burg		T. Montoya	T. Manco)\$		T. McCracken
r. San A	\ndres		T. Simpson	T. Gallup	·		T. Ignacio Otzte
i. Glori	eta	· · · · · · · · · · · · · · · · · · ·	T. McKee	Base Gre	enhorn_		T. Granite
				T. Dakot	a		
					son		
l Tubb			T. Delaware Sand	T.Todilto	<u></u>		<u>T</u>
Γ. Drink	card		T. Bone Springs	T. Entrad	ia	_	
[. Abo_			<u>T</u>	T. Winga	te		_ 1
Γ. Wolf	camp		<u>T</u>	T. Chinle			T
Γ. Penn			T	T. Permia	an		<u>T</u>
Γ. Cisco	(Bough	(C)	T	T. Penn "	'A"		T
							OIL OR GAS SANDS OR ZONES
No. 1. 1	from		to	No. 3.	from		to
			to				to
, .				ANT WATER S			
			r inflow and elevation to which	h water rose in h	ole.	c .	
No. 1, 1	from		r inflow and elevation to which	h water rose in h	ole.		
No. 1, 1 No. 2, 1	from from		r inflow and elevation to which	h water rose in h	ole.	feet	***************************************
No. 1, 1 No. 2, 1	from from		r inflow and elevation to which	h water rose in h	ole.	feet	***************************************
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No. 1, 1 No. 2, 1 No. 3, 1	from from from	Thickness	r inflow and elevation to which to	ord (Attach	ole.	feet	essary)

State of New Mexico

Energy, Minerals & Natural Resources Department Form C-104 Revised October 18, 1994 PO 801 1980, Hebbs, NM 88241-1980 District II Instructions on back 811 South First, Artesia, NM 88210 OIL CONSERVATION DIVISION Submit to Appropriate District Office 2040 South Pacheco 5 Copies 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe NM 27505 AMENDED REPORT District IV 2040 South Pacheco, Santa Fe, NM 87505 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT Operator name and Address ² OGRID Number Vastar Resources, Inc. 036619 Attn. Mary Corley P.O. Box 3092 Reason for Filing Code Houston, TX 77253 New Well API Number Pool Name Pool Code Basin Fruitland Coal 30 - 039-26483 71629 Property Code Property Name Well Number Carracas 36 A 1 10 Surface Location II. Ul or lot no. Township Range Lot.idn Feet from the North/South Line Feet from the East/West line County 36 32N 365 North 787 East Rio Arriba 11 Bottom Hole Location UL or let no. Section Lot Ida Feet from the North/South line Feet from the East/West line 36 32N 05W 1320 North 1320 East Rio Arriba 13 Lae Code " Producing Method Code [™] Gas Connection Date 15 C-129 Permit Number " C-129 Effective Date " C-129 Expiration Date III. Oil and Gas Transporters " POD Transporter OGRID ' 0/G Transporter Name POD ULSTR Location and Address and Description G 036619 2829303 1816E Majava Formington, NA 87401 PIMIS TO SO NOV 2000 DON'T VAL OAL DOM MILL DIOT S

IV. Produced Water

POD 2829304 * POD ULSTR Location and Description

V. Well Completion Data

³⁵ Spad Date 09/07/2000			" TD " PBTD 4024' MD 3864' TVD 3975' MD 3815' TVD		³⁰ DHC, DC,MC
Hole Size	.s Casing	& Tubing Size	" Depth Set		³⁴ Sacks Cement
12 1-	8.5	/8" 24#	424'		300 5XS
7 7/8"	5	<u>}</u> " 17#	4024		1200 5X5
Tubing		1.9*	3822'		

VI. Well Test Data

* Date New Oil	™ Gas Delivery Date	" Test Date 10/16/2000	²⁰ Test Length 24 Hrs.	** Tbg. Pressure	"Csg. Pressure 330#
" Choke Size	4 Oil,	Water 44	" Gas 250	* AOF	" Test Method
"I hereby certify that the rule with and that the information knowledge and belief Signature:	s of the Oil Conservation Division from above is true and complete	to the best of my	0- 201	NSERVATION DIV L SKOMWOD BY C하셔츠트 기	
Printed name: Mar for	rey /		Title: DEPUTY OH	& GAS INSPECTOR AIST	
Title: Sr. Regulat	ory Analyst		Approval Date:	UG -7 2001 PS	. 90

District.I
1625 N. French Dr., Hobbs, NM 88240
District.II
1301 W. Grand Avenue, Artesia, NM 88210
District.III
1000 Rio Brazos Road, Aztec, NM 87410
District.IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 March 19, 2001
Submit 1 copy of the final affected wells

Form C-104A

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Pre	evious Operator Information:	New	Operator Information:
		Effective Date:	12/31/2001
OGRID	036619	New Ogrid: _	000778
	: Vastar Resources Inc.	New Name:	BP America Production Company
Address	: P.O. Box 3092	Address: _	P.O. Box 3092
	:	Address: _	
City, State, Zip	: Houston, Texas 77253	City, State, Zip: _	Houston, TX 77253
form and the atta New Operator Signature: Printed name: Title:		best of my knowledge	
•	tor complete below:	4	MOCD Approval
Previous	•		
Operator:	Vastar Resources Inc.	Signature:	
Previous		Printed	27.8
OGRID:	036619	Name:	SUPERVISOR DISTRICT #3
Signature: Printed	Mary Corley	District:	JAN 2 5 2002
. willo.		L Daw.	

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BURGALLOG LAND MANAGEMENT

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

Approved by Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to the state of the certify that the applicant holds legal or equitable title to the certify	SPACE FOR FEDERAL OR STAT	PARMINGTON FIELD OFFICE
	SPACE FOR FEDERAL OR STATI	E OFFICE USE
THIS		TE OFFICE USE ACCEPTED FOR RECORD,
Clar Vone		istrict Engineer /03/03
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Charlie Donahue	Title	ictnict Engineer
		CONTRACTOR OF THE PARTY OF THE
RECEIVE 2003 SEP -3 AM 1 070 Farmington,		2003 (S)
=IVED 3 AM ID: 5		SED SED
The P & A procedure will follow.		
•	s to Plug and Abandon this w	well after the replacement well is drilled.
If the proposal is to deepen directionally or recomple Attach the Bond under which the work will be performed following completion of the involved operations. If testing has been completed. Final Abandonment No determined that the final site is ready for final inspection.	te horizontally, give subsurface locations are primed or provide the Bond No. on file with the operation results in a multiple completion trices shall be filed only after all requireme on.)	ed starting date of any proposed work and approximate duration there and measured and true vertical depths of all pertinent markers and zor th BLM/BIA. Required subsequent reports shall be filed within 30 d ion or recompletion in a new interval, a Form 3160-4 shall be filed or ents, including reclamation, have been completed, and the operator
Final Abandonment Notice	Convert to Injection Plug Back	Water Disposal
Subsequent Report	Casing Repair New Constru Change Plans X Plug and Aba	uction Recomplete Other
X Notice of Intent	Acidize Deepen Alter Casing Fracture Trea	Production (Start/Resume) Water Shut-Off Reclamation Well Integrity
TYPE OF SUBMISSION		TYPE OF ACTION
12. CHECK APPROPRIATE I	30X(ES) TO INDICATE NATURE	E OF NOTICE, REPORT, OR OTHER DATA
4. Location of Well (Footage, Sec., T., R., M., or Survey De SHL: 365' FNL & 787' FEL, Sec. 36, TS BHL: 1256' FNL & 1284' FEL, Sec. 36,	32N, R5W, NMPM	Basin Fruitland Coal 11. County or Parish, State Rio Arriba NM
2198 Bloomfield Highway, Farmington,	NM 87401 505-325-6	6800 10. Field and Pool, or Exploratory Area
ENERGEN RESOURCES CORPORATION 3a. Address	3b. Phone No. (inc.	9. API Well No.
2. Name of Operator		Carracas 36A 1
Type of Well Oil Well		8. Well Name and No.
SUBMIT IN TRIPLICATE - O	ther instructions on reverse side	7. If Unit or CA/Agreement, Name and/o
De Jse this form for p	ND REPORTS ON WELLS roposals to drill or to re-enter an 3160-3 (APD) for such proposals.	NMNM 29340 6. If Indian, Allottee or Tribe Name
	ID MANAGEMENT	5. Lease Serial No.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crims for expression 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 extends is jurisdiction.

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUNDRY NOTICES AND REPORTS ON WELLS

	FOR	M AF	PRO	VED	
	OME	NO.	1004	-0135	
x	pires:	Nove	mber	30, 200	0

Lease Serial No.

NMS	F٥	78	27	R

Do not use this form for particular abandoned well. Use Form	proposals to drill or to r n 3160-3 (APD) for suc	e-enter an h proposals.		6. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE - (Other instructions on	reverse side		7. If Unit or CA/Agreement, Name and/or N
1. Type of Well Gas Well X Other Pres	ssure Observation W	ell		NMNM78416E 8. Well Name and No.
2. Name of Operator				SJ 29-6 Unit #228
Phillips Petroleum Company 3a. Address		Phone No. (include are	ea code) 🐰	9. API Well No.
5525 Highway 64, NBU 3004, Farmingt		505 - 599 - 3454		30-039-26483 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey I		Control of	A CONTRACTOR	
Unit H. 1720' FNL & 1242' FEL				Basin Fruitland Coal
Section 15, T29N, R6W				11. County or Parish, State Rio Arriba. NM
12. CHECK APPROPRIATE	BOX(ES) TO INDICA	TE NATURE OF	NOTICE, REP	
TYPE OF SUBMISSION		TYF	E OF ACTION	
Notice of Intent	Acidize	Deepen	Production	(Start/Resume) Water Shut-Off
	Alter Casing	Fracture Treat	Reclamati	on Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomple	
First About a mount Nation	Change Plans	Plug and Abandon		ily Abandon Pressure on POW
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dis	TTESSAI E OIL FOR
pressure was 525 psig. Ph <u>illips</u>	<u>wishes to keep thi</u>	s informatión <u>c</u>	É	2002
				MAN DISTRIBUTED OF THE PARTY OF
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)		Title		
All Musta	Patsy Clugston			/Proration Clerk
Pasy Cusin	0.004.05.500.000.00		5/02	
Approved by	S SPACE FOR FEDER	AL OR STATE OF	FICE USE	Date
•••	of this notice does not warre	1		Late
Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations to	hereon.			
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section States any false, fictitious or fraudulent statements or rep	on 1212, makes it a crime for presentations as to any matter	any person knowingly within its jurisdiction.	and willfully to m	ake to any department or agency of the United

A PHILLIPS PETROLEUMICO

Daily Drilling Report

WELL NAME		JOB NUM	BER EVENT	CODE 2	4 HRS PROG	TMD	TV	D	DFS		REPT NO.	DATE
SAN JUAN 29-6 FRU	ITLAND #228 UNI	Т	W	VOV		3,4	75	3,475		1	2	8/26/1999
SUPERVISOR	RIG NAME & NO.		FIEL	D NAME /	DCS NO.	AUTH	MD	DAILY T	ANG		CUM. TAN	IG
T.D.BOWKER	KEY FOUR	CORNERS 6	1 BAS	SIN FRU	ITLAND COAL				0.00)		0.00
CURRENT STATUS			•	ACCIDE	VTS LAST 24 HRS.1	7	DAILY IN	T W/O MU	D	CI	JM INTANG V	V/ MUD
	SION				NONE			4,221.0	0		8,68	1.00
24 HR FORECAST				DATE OF	LAST SAFETY ME	ETING	DAILY TO	TAL		CI	JM COST W/	MUD
DROP FROM RE	PORT, RELEASE TO	O PRODUCT	LION		8/25/1999			4,221			8,8	881
LITHOLOGY	JAR HR	S OF SERVICE	BHA HRS S	INCE INSP	LEAKOFF		AFE			Al	JTH.	
							WA	\5.J99.2	C.21		7,5	500
LAST SURVEY: DATE TM	D INC	AZIM	LAST CA	SING		NEXT (CASING			L	ST BOP PRE	S TEST
			(in	.)@	(ft)	(in.) @		(ft)		8/24	1999

5.14 V		412	FAMILY IN		71	OPERAT	NONS SUMMARY
FROM	TC)	HOURS	CODE	TROUBLE	SUB	PHASE	DESCRIPTION
07:00	07:15	0.25	WS P		C	90WOVR	SAFETY MEETING
07:15	09:30	2.25	WSP		4	90WOVR	GIH W 2 3/8" RE-ENTRY GUIDE, 1JT
							2 3/8" TBG, F NIPPLE(1.81" ID), 1JT
							2 3/8" TBG, 7" LOCKSET PKR, 107 JTS TBG.
							EOT @ 3447', F NIPPLE @ 3415'
							PKR SET @ 3384', 109JTS TOTAL.
09:30	10:00	0.50	WSP		е	90WOVR	ND BOP'S
10:00	10:30	0.50	WSP		е	90WOVR	LAND TBG IN DONUT, NU TREE.
10:30	12:00	1.50	WSP		9	90WOVR	PUMP 80BBLS INHIBITED FLUID DOWN 7" CASING (BAKER CRW 37
							MIXED @ 1 DRUM/100 BBL H2O)
12:00	13:30	1.50	WST	SW40	7	90WOVR	WAIT FOR WATER
13:30	15:00	1.50	WSP		9	90WOVF	PUMP 45BBLS INHIBITED FLUID DOWN 7" CSG
15:00	15:30	0.50	WSP		9	90WOVF	PRESSURE TEST CSG TO 500 PSI FOR
							30 MIN. WITH A 10# PRESSURE LOSS. GOOD
							TEST. BLM REPRESENTATIVE, HERMAN LUJAN, WAS NOTIFIED 8/24
							OF TEST. TEST WAS NOT WITNESSED BY BLM.
15:30	17:00	1.50	WSP		Z	90WOVF	RD RIG & EQUIPMENT. JOB COMPLETE

24 HR SUMMARY: GIH W 7" PKR ON 2 3/8" TBG, SET PKR @ 3384', ND BOP'S, NU TREE, PRESS. TEST CSG TO 500#, RD RIG & EQUIP.

		P	=R(S)O)N	NEL DATA		-10-10-1	
COMPANY	SERVICE	NO.	HOURS	COMPANY	SERVICE	NO.	HOURS
BIG A WELL SERVICE I	Completion Rig #61	4	10.00	SUNCO TRUCKING	Water Hauling	1	5.00
PPCO	Supervision	1	12.00	CAMERON (WSI)	Wellhead	1	5.00
BAKER OIL TOOLS	Packers & Plugs	1	10.00				

WORK COMPLETE. FINAL REPORT.

District I

1625 N. French Dr., Hobbs, NM 88240
District II

1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-104A Revised June 10, 2003 Submit 1 copy of the final affected wells

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Prev	rious Operator Information:	Ne	ew Operator Information:
•		Effective Date:	06/01/2003
OGRID:	· 000778	New Ogrid:	162928
Name:	BP AMERICA PRODUCTION CO.	New Name:	ENERGEN RESOURCES CORP.
Address:	P.O. BOX 3092	Address:	2198 BLOOMFIELD HIGHWAY
Address:		Address:	
City, State, Zip:	HOUSTON, TX 77253	City, State, Zip:	FARMINGTON, NM 87401
orm and the attac New Operator Signature:	general manager – san Juan Basingbrink@energen.com 08/25/03 Phone: 505-325-68	best of my knowled	
-	or complete below:		NMOCD Approval
Previous			
	BP AMERICA PRODUCTION COMPANY	Signature:	
Previous		Printed	37.8
OGRID: _	000778	Name:	SUPERVISOR DISTRICT #3
Signature: Printed	Mary Poley	District:	AUG 2 7 2003
	MARY CORLEY	Date:	
E-mail	ı		
Address:			

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

1	FORM APPROVED
	OMB NO. 1004-0135
	Expires: November 30, 2000
HELDEN IN	Lesse Serial No.

		مرهبه والمستر والمرام	NMNM 29340				
proposals to drill o m 3160-3 (APD) fo	to re-enter angles are such proposals.	7 26 PM 12	6. Hindian, A	llottee or Tribe Name			
Other instruction:	on reverse side	amington.	्री Unit or C	CA/Agreement, Name and/or No			
			8. Well Name Carracas 3	6A 1			
	2h Phone No (include o	ria anda)	9. API Well N				
NM 07401	i '	ea coue)					
2198 Bloomfield Highway, Farmington, NM 87401 505-325-6800 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)							
- ·	•		Dasin Frui	ciana cuai			
			11 County or	Parish State			
), IJZN, KJW, NM	rn		1	•			
BOX(ES) TO IN	DICATE NATURE OF	NOTICE, REP					
	TY	PE OF ACTION					
Acidize	Deepen T	Ξ		Water Shut-Off			
Casing Repair	New Construction	H		Well Integrity Other			
Change Plans Convert to Inject	Plug and Abandon Plug Back		-				
plete horizontally, give aformed or provide the If the operation results Notices shall be filed o ection.)	subsurface locations and mea Bond No. on file with BLM in a multiple completion or a nity after all requirements, in	sured and true ver //BIA. Required s ecompletion in a r cluding reclamation	rtical depths of a subsequent repor new interval, a F on, have been co	Il pertinent markers and zones. ts shall be filed within 30 days orm 3160-4 shall be filed once impleted, and the operator has			
	The proposals to drill of m 3160-3 (APD) for m 3160	Other instructions on reverse side 3b. Phone No. (include and 505-325-6800) Description) T32N, R5W, NMPM 5, T32N, R5W, NMPM EBOX(ES) TO INDICATE NATURE OF Acidize Deepen Fracture Treat Casing Repair New Construction Change Plans X Plug and Abandon Convert to Injection Plug Back Ply state all pertinent details, including estimated start uplete horizontally, give subsurface locations and measurformed or provide the Bond No. on file with BLM If the operation results in a multiple completion or to Notices shall be filed only after all requirements, in certion.) g and abandon this with as per the	Other Instructions on reverse side 3b. Phone No. (include area code)	proposals to drill or to re-enter any 25 PM 12 6 High Indian, Am 3160-3 (APD) for such proposals. Other Instructions on reverse side Other Instructions on reverse side 3b. Phone No. (include area code) 30-039-264 10. Field and 10. Field and 11. County on Rio Arriba E BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER Casing Fracture Treat Reclamation Acidize Deepen Production (Start/Resume) Alter Casing Production Plug Back Recomplete Change Plans X Plug and Abandon Temporarily Abandon Convert to Injection Plug Back Water Disposal Ply state all pertinent details, including estimated starting date of any proposed work and plete horizontally, give subsurface locations and measured and true vertical depths of a reformed or provide the Bond No. on file with BLM/BIA. Required subsequent report if the operation results in a multiple completion or recompletion in a new interval, a F Notices shall be filled only after all requirements, including reclamation, have been on the subsequent report of the operation results in a multiple completion or recompletion in a new interval, a F Notices shall be filled only after all requirements, including reclamation, have been on the plant of the operation results in a multiple completion or recompletion in a new interval, a F Notices shall be filled only after all requirements, including reclamation, have been on the plant of the production of the plant of th			



14. I hereby certify that the foregoing is true and corre Name (Printed/Typed)	ct T	itle		
Don Graham			Production Superinter	ndent
for France	ر <u>۲</u>	Date	11/24/03	
TH	HIS SPACE FOR FEDERAL	OR	STATE OFFICE USE	
Approved by Original Signed: Stepher			tle	DEC 0 8 2003
Conditions of approval, if any, are attached. Approva certify that the applicant holds legal or equitable title which would entitle the applicant to conduct operation	to those rights in the subject less	r Oi	ffice .	
THE 10 LT O C. C 1001 1 THE 40 LT O C.		_		

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

PLUG & ABANDONMENT PROCEDURE

9/25/03

Carracas Unit 36 A #1

Basin Fruitland Coal 1256' FNL & 1284' FEL, Section 36, T-32-N, R-5-W Rio Arriba Co., New Mexico, API #30-039-26483 Lat: N 36° 56' 34" / Long: W 107° 18' 25"

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

All cement is ASMT Type II mixed at 15.6 ppg with a yield of 1.18 cf/sx.

- Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Energen safety
 rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if
 necessary. ND wellhead and NU BOP and stripping head; test BOP.
- 2. TOH and tally 1-1/2" IJ tubing, total 3822'. If necessary use a workstring. Round-trip 5-1/2" casing scraper to 3800'. (Note: deviated wellbore, a wireline gauge ring probably won't go down.)
- 3. Plug #1 (Fruitland Coal perforations and Fruitland top, 3786'— 3570'): TIH with tubing and set a 5-1/2" cement retainer at 3786' MVD. Pressure test tubing to 1000#. Load casing with water and circulate well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 20 sxs cement and spot a balanced plug inside the 5-1/2" casing to isolate the Fruitland perforations and to cover the top. PUH to 3260'. (Note: deviated wellbore, do not combine plugs #1 & 2; too much plug length.)

3397' 3184'
4. Plug #2 (Kirtland and Ojo Alamo tops, 3260'- 3920'): Mix 33 sxs cement and spot a balanced plug inside the casing to cover the Kirtland and Ojo Alamo tops. PUH to 2050'.

- 5. Plug #3 (Nacimiento top, 2956' 1950'): Mix 17 sxs cement and spot a balanced plug inside the casing to cover the Nacimiento top. PUH to 474'.
- 6. Plug #3 (8-5/8" casing shoe, 474' Surface): Mix and spot approximately 55 sxs cement inside the 5-1/2" casing from 474' to surface, circulate good cement out the casing valve. TOH and LD tubing. Shut in and WOC.
- 7. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Page: 1 Document Name: untitled

CMD: OG6 I WCM INQUIRE WELL COMPLETIONS ONGARD

05/12/04 14:24:28 OGOMES -TPER

Pool Idn 71629 BASIN FRUITLAND COAL (GAS)

API Well No:

30 39 26476

Eff Date : 06-01-2003

WC Status : A

OGRID Idn : 162928 ENERGEN RESOURCES CORPORATION
Prop Idn : 32967 CARRACAS UNIT 25 A

Well No : 016

GL Elevation: 6976

U/L Sec Township Range North/South East/West Prop/Act(P/A)

Lot Identifier:

B.H. Locn

25

32N

05W

FTG 585 F S FTG 710 F E

Dedicated Acre: 320.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U

M0025: Enter PF keys to scroll

PF01 PF07 PF02 PF08 PF09 PF03 EXIT PF04 GoTo PF10 NEXT-WC PF11 HISTORY PF12 NXTREC PF05 PF06

PF12 RECONF	NXTSEC	PF11	LAND	PF10	PF09 EXII	FWD	804d 5107	07 BKWD	PF07
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			(GAS)	BASIN FRUITLAND COAL	N FRUITI	71629 BASI		Pool Idn	Ä
		000	10-26-2000	Date:	76 Eff	30 39 26476	No :	API Well	A
Page No : 1									
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CMD: OG6IPRD OGRID Identifier: 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 05/12/04 14:24:53 Page No: 1 OGOMES -TPER

API Well No Pool Identifier : 30 39 26476 Report Period - From : 01 2000 To : 04 2004 : 71629 BASIN FRUITLAND COAL (GAS)

PF01 PF07		30	30	30	30	30	30	30	API
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PRINTER ME.

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CMD : OG6IPRD OGRID Identifier 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 05/12/04 14:24:59 Page No: 3 OGOMES -TPER

API Well No Pool Identifier 30 71629 BASIN FRUITLAND COAL (GAS) 39 26476 Report Period - From : 01 2000 To : 04 2004

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NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

July 10, 2000

Lori Wrotenbery
Director
Oil Conservation Division

Vastar Resources, Inc. 15375 Memorial Drive Houston, Texas 77079

Attention: Michael Rodgers

Administrative Order NSL-4484

Dear Mr. Rodgers:

Reference is made to the following: (i) your application dated June 19, 2000; and (ii) the New Mexico Oil Conservation Division's ("Division") records in Santa Fe, including the file on Division Case No. 9559: all concerning Vastar Resources, Inc.'s request for an off-pattern non-standard Basin-Fruitland coal gas well location for the proposed Carracas "25-A" Well No. 16 to be drilled 585 feet from the South line and 710 feet from the East line (Unit P) of Section 25, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. The E/2 of Section 25 is to be dedicated to this well in order to form a standard 320-acre stand-up gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool.

By the authority granted me under the provisions of Rule 8 of the "Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool," as promulgated by Division Order No. R-8768, as amended, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

Lori Wrotenbery

Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec

U. S. Bureau of Land Management - Farmington

U.S. Forest Service - Bloomfield

Exhibit D

Attached to Request for Administrative Approval of an Unorthodox Location for Vastar's Carracas 25 A #16 Well in E2 Section 25, T32N-R5W, NMPM, Rio Arriba County, New Mexico

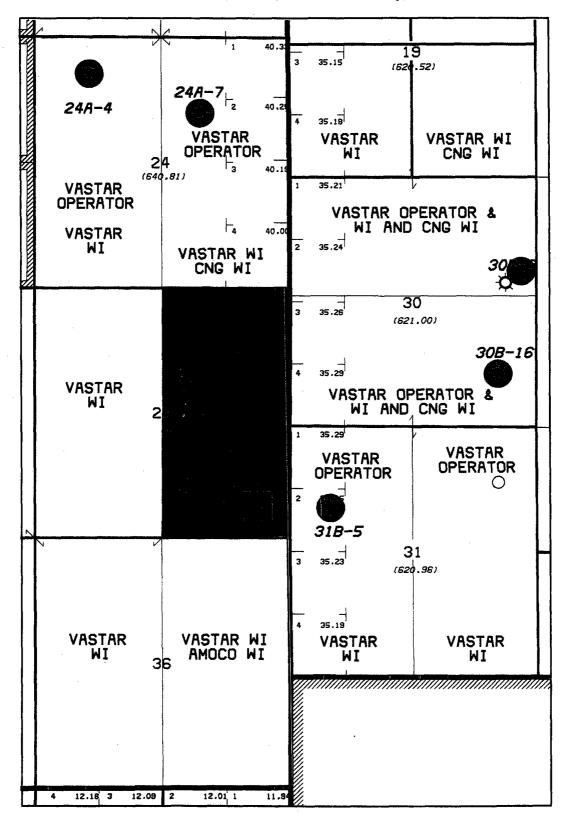


Exhibit E

Attached to Request for Administrative Approval of an Unorthodox Location for Vastar's Carracas 25 A #16 Well in E2 Section 25, T32N-R5W, NMPM, Rio Arriba County, New Mexico

List of Affected Parties

CNG Producing Company Stephen E. Case, CPL 16945 Northchase Drive – Suite 1750 Houston, Texas 77060 (281) 873-1574

Amoco Production Company Max K. Eddington, CPL/ESA Post Office Box 3092 Houston, Texas 77253-3092 (281) 366-3430

Bureau of Land Management Farmington Resource Area Authorized Officer 1235 La Plata Highway – Suite A Farmington, New Mexico 87401

NMOCD – Aztec District Office 1000 Rio Brazos Road Aztec, New Mexico 87410 Form 3160-3 (July 1992)

UNITED STATES

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136

	DEDARTMENT	OF THE INTE	DIAD	expires: reordery 28, 1995
		OF THE INTE		5. LEASE DESIGNATION AND SERIAL NO.
	BUREAU OF	LAND MANAGEME	NT	NM 59704
APPLI	CATION FOR PE	RMIT TO DRIL	L OR DEEPEN	78. IF INDIAN, ALLOTTED OR TRIBE NAME
DRI DIE OF WELL	LL X	DEEPEN [SINGLE W MULTU	7. UNIT AGREEMENT NAME 1. 1.36.297
	SLL X OTHER		ZONE X ZONE	O. PANON OK CRASENOBLO PET NO.
VASTAR RESOUR	RCES, INC.			CARRACAS 25A #16 9. AT WELL NO.
3. ADDRESS AND TELEPHONE NO. 1816 E. MOJAV	E, FARMINGTON N	M 87401 (50	5) 599-4300	30-039-26476 10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (R. At surface	eport location clearly and 85 FSL & 710	in accordance with any	State requirements.*)	BASIN FRUITLAND COAL
At proposed prod. zon				AND SURVEY OR AREA
				'SEC. 25, T-32N, R-5W
	AND DIRECTION FROM NEAR			12. COUNTY OR PARISH 13. STATE
13. DISTANCE FROM PROPU	AST-NORTHEAST O		NO. OF ACRES IN LEASE	RIO ARRIBA NM
LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig	INE, FT. 5		1760	17. NO. OF AGRES ASSIGNED TO THIS WELL 320
18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	ł	3800' —	20. ROTARY OR CABLE FOOLS ROTARY
21. ELEVATIONS (Show who		200 1	3000	22. APPROX. DATE WORK WILL START
6976' GL 🦳				JULY, 2000
23.		PROPOSED CASING A	ND CEMENTING PROGRA	<u> </u>
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.
			AUG 2000 RECEIVED OILCON. DIV	
and appeal pe	multipoet to technologic exists pursuant to 43 CFR S16	fi 3:65.3 6.4.		DRAWLES AND THE AUTHORISED ARE SUBJECT OF DOCUMENT AND AUTHORIE "GENERAL REQUIPS ALERTS". 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 (This space for Federal or State office use) 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:

/s/ Jim Lovato APPROVED BY TITLE

District I PO B. s 1980, Hobbs, NM 38241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Bramo Rd., Aztec, NM 87410 District IV

PO Box 2088, Santa Fc, NM 87504-2088

SIZIC OF NEW MEXICO Energy, Macrais & Natural Resources Department

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised February 21, 1994

OIL CONSERVATION DIVISION PO Box 2088

Instructions on back Submit to Appropriate District Office

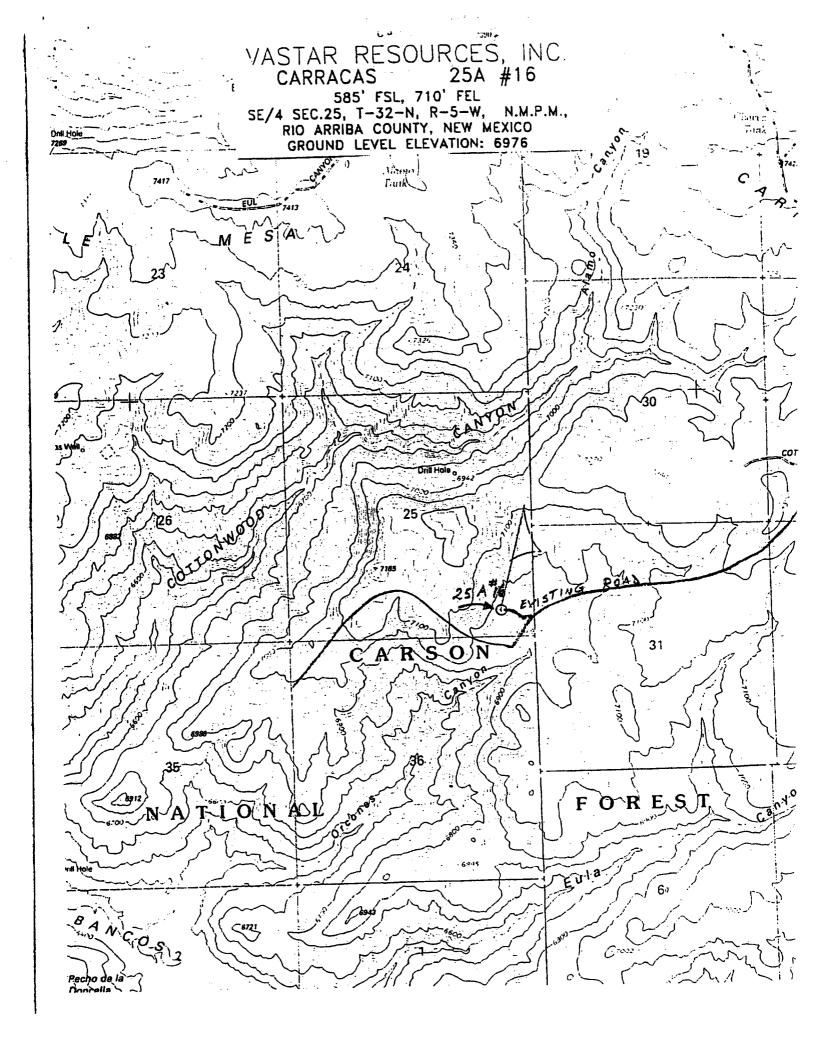
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

PO Box 2088 Santa Fe, NM 87504-2088

7	VI Numb			1 Pool Cod		³ Pool Name									
30-03	9-20	26476 71629 -				BASIN FRUITLAND COAL									
Property (Code				* Property	roperty Number 'Well Number									
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320 EZ															
NO ALLO	NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED								NSOLIDATED						
		OR A	non-st	ANDARD	UNIT HAS B	een approved	BY THE DIV	ISION							

17 OPERATOR CERTIFICATION 16 S89°56'W 5276.70 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief CHARLES KNIGHT. 5280.00 **AUG 200** Printed Name **AGENT** RECEIV Title OIL CON. E MAY 19, 2000 DIST. Date Section "SURVEYOR CERTIFICATION i hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me North or under my supervision, and that the same is true and correct to the best of my belief. 05/12/2000 Date of Survey RUHUADAG NSL 710 N89°54'W <u> 5280.66'</u>



Vastar Resources, Inc. Carracas 25 A #16 585' FSL, 710' FEL

Page 1

Sec 25, T32N, R5W Rio Arriba County, New Mexico

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:**

Interval

Pressure Control Equipment

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 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





Joint Ventures and Land

15375 Memorial Drive Houston Texas 77079 281 584-6000

June 19, 2000

Lori Wrontenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Application of Vastar Resources, Inc. for Administrative Approval of an Unorthodox Well Location for its Carracas 25 A Well No. 16, to be located 585 feet from the South line and 710 feet from the East line of Section 25, Township 32 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico

Dear Ms. Wrotenbery:

Vastar Resources, Inc. hereby seeks administrative approval pursuant to the provisions of Rule 8 of the Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool adopted on October 17, 1988, of an unorthodox well location for its 25 A Well No. 16, to be drilled in the Fruitland Coal formation at an unorthodox well location 585 feet from the South line and 710 feet from the East line of Section 25, Township 32 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. A standard 320-acre spacing unit comprising the E2 Section 25 will be dedicated to the well.

The well will be drilled to a depth of approximately 3800 feet to test the Fruitland Coal formation, Basin-Fruitland Coal Gas Pool.

This location in the Fruitland Coal formation is unorthodox because Rule 7 of the Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool (Order No. R8768, as amended) provides for wells to be located in the NE/4 or SW/4 of a single governmental section and located no closer than 660 feet to any outer boundary of the proration unit nor closer than 10 feet to any interior quarter-quarter section line or subdivision inner boundary.

This unorthodox location is required by topographic conditions and Carson National Forest requirements. The proposed well is located at the end of an existing road and would be drilled on an existing pad that was previously built, but not drilled upon. The Forest Service has requested that new wells be placed along existing roads so as not to further impact the environment with new access roads.

Lori Wrontenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
Carracas 2 A #11 Well
June 19, 2000
Page 2

Attached hereto as Exhibit A is a topographical map showing no standard location is available for the well on this spacing unit. Attached as Exhibit B and C are the C-102 Plat and the APD. These exhibits show that the unorthodox location is supported by the surface topography of the area.

Attached hereto as Exhibit D is a plat as required by Rule 104.F(3) showing the subject spacing unit, the proposed unorthodox well location, the offsetting wells and the diagonal and adjoining spacing units. Exhibit F lists parties affected by this application. A copy of this application, including a copy of the plat described above has been sent to these affected parties by certified mail-return receipt requested in accordance with Rule 1206(A)(5) advising them that if they have an objection to this application it must be filed in writing within twenty days from the date this notice was sent.

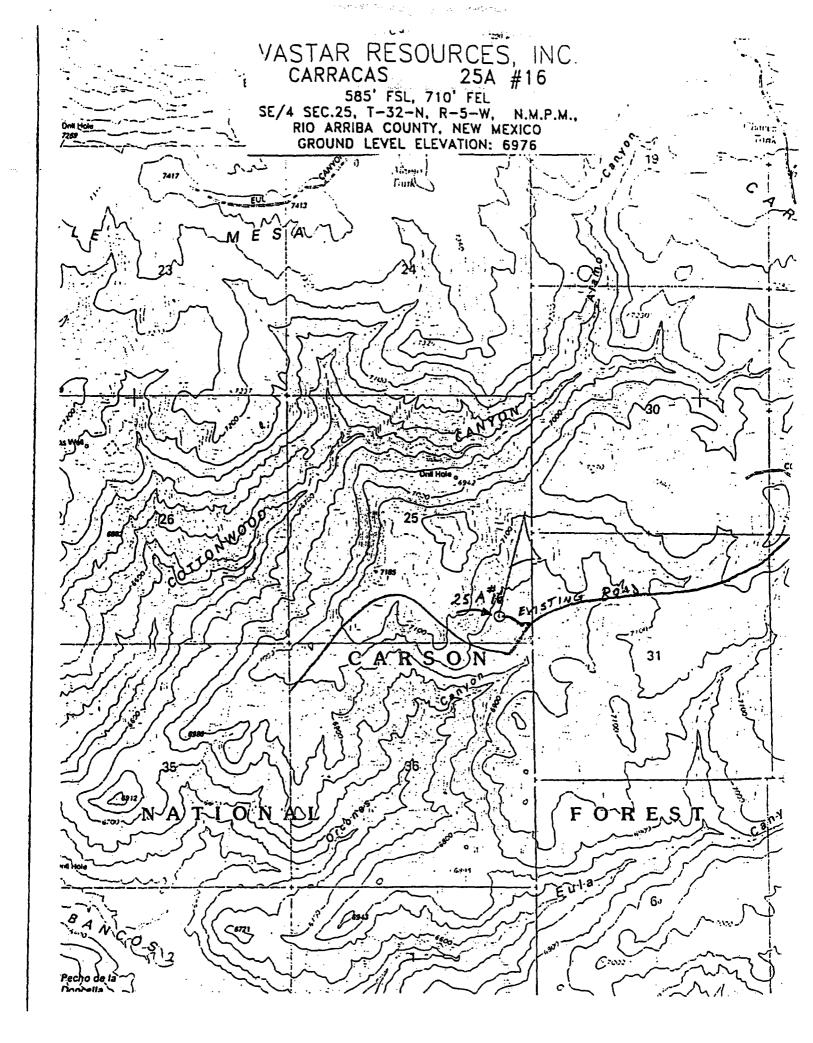
Copies of this request have also been provided to the Aztec Office and the Bureau of Land Management, Farmington District Office.

Very truly yours,

Michael Rodgers, CPL

Direct Line: (281) 584-3230 Fax: (281) 584-6370 E-mail: mrodger@vastar.com

Enclosures



Dutrict I . FO B. z 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rie Brome Rd., Aztec, NM 87410

District IV

State of New Mexico Energy, Maerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

AMENDED REPORT

PO Bez 2008, Sez	ila Fc, NM	1 7504-20 58							AME	NDED REPORT
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UL or let se.	Section	Township	Reage	Lot Ida	Foct from the	Nerth/South line	Feet from the	East/Wes	t line	County
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North	-				1			e best of my	bdig.	
							Date of Sur	05/12/2	2000	
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									NEXICO	
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TABULATION OF DEVIATION TEST VASTAR RESOURCES. INC.

DEPTH	DEVIATION	DEPTH	DEVIATION
220'	0.25	2979'	3.25
495'	2.00	3471'	3.75
750'	3.00	3870'	3.50
990'	3.50		
1493'	5.00		
1983'	5.25		
2489'	3.50		

AFFIDAVIT

THIS IS TO CERTIFY that to the best of my knowledge, the above tabulation details the deviation test taken on VASTAR RESOURCES, INC'S:

Carracas 25 A 16	· f -
585' FSL & 710' FEL	L. Sec. 25, T32N, R5W
Rio Arriba County, Ne	ew Mexico
Signed:	May Colley
Title:	SR. Regulatory Analyst

THE STATE OF TEXAS)	
	1	<i>33</i>
COUNTY OF HARRIS)	

known to me to be a <u>SR. Regulatory Analyst</u> for Vastar Resources and to be the person whose name is subscribed to the above statement, who being by me dully sworn on oath, states that she has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN to before me, a Notary Public in and for said County and State this 5 day of December , 2000.

Notary Public

My Commission Expires:

V1404

JUANDA TATE

Notary Public, State of Texas
My Commission Expires

July 14, 2004

DIST. 3

Form 3160-5 (June 1990)

or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135

Expirés: March 31, 1993

Lease Designation and Senal No. NM 59704

6. If Indian, Altottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir. LICA "APPLICATION FOR DEPMIT-" for such proposale

.....

USE ALL LIOATION I	DIVI CIMMIT OF SE	acii pioposais	CARRACAS
SUBMIT IN TR	IPLICATE	07.7	7. If Unit or CA, Agreement Designation
Type of Well Oil Gas Well Other Other		6910111600	8. Well Name and No.
2. Name of Operator		DEC 2000	CARRACAS 25 A # 16
VASTAR RESOURCES, INC.			9. API Well No.
3. Address and Telephone No.		4 HECEIVED	30-039-26476
1816 E. MOJAVE ST., FARMINGTON, NM 874	01 (505) 599-430		0. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		C DIS1.3	BASIN FRUITLAND COAL
		Mr. S	11. County or Parish, Slale
SESE 585' FSL & 710' FEL SEC. 25, T-32N, R	-5W	MERETINE S	RIO ARRIBA, NM
12. CHECK APPROPRIATE BOX(s) TO IND	ICATE NATURE OF	NOTICE, REPORT, OR OTHE	R DATA
TYPE OF SUBMISSION			
Notice of Intent	^	bandonment	Change of Plans
n=2	R	ecompletion	New Construction
Subsequent Report	=	lugging Back	Non-Routine Fracturing
	· =	asing Repair	Water Shut-Off
Final Abandonment Notice		Itering Casing	Conversion to Injection
		ther NEW WELL COMPLETION	Dispose Water
			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
			and the state of t
13. Describe Proposed or Completed Operations (Clearly state all pertir	ent details, and give pertiner	nt dates, including estimated date of starting any	y proposed work. If well is directionally

drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Reference Vastar's application for permit to drill dated 06/12/00 and BLM'S approval dated 08/08/00. Re-the subject well. Operator ran a CCL/GR/CNL fm 3789' to 2790' and perforated Fruitland Coals as follows: 3671-3673 (2'), 3687-3708 (21'), and 3748-3751 (3'). Total 26' w/ 4 spf, 104 holes w/ 0.42" diameter. Treat all perfs w/ 500 gal 10% formic acid followed w/ 99,035 gal 25# Delta Frac 140 gel w/ sandwedge containing 2130 sx 20/40 Brady Sand. Clean out 5 1/2" csg to 3806' (PBTD) and ran 1.9" 2.76#, J-55, IJ 10RD tbg w/ 4 GLM'S, 'F' nipple and WLRG. No pkr, EOT @ 3655'. N.U. 2 3/8" X 2000# flanged tree and shut well in--WOPLC. Completion operations started on 10/16/00 and were finished on 10/26/00.

cc: BLM		
N. Kall Wey File		
14. I hereby certify that the foregoing is true and correct Signed A our Manya.	Title WORKOVER SUPERVISOR	ACCEPTED FOR RECORD
(This space for Federal or State office (\$4)		DEC 0 6 2000
Approved by	Title	Date
Conditions of approval, if any:		FAHMING LUNG TELL OFFICE BY
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly a	nd willfully to make to any department or agency of the United States and	v false, fictitious or fraudulent statements

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

BUREAU OF LA	AND MANAGEMENT	Lease Designation and Serial No.
		NM 59704
	ES AND REPORTS ON WELLS	6. If Indian, Allottee or Tribe Name
Use "APPLICATION	drill or deepen or reentry to a different reservoir. FOR PERMIT - "for such proposals	CARRACAS
SUBMITIN	TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well	CONTRACTOR OF THE PARTY OF THE	
Oil Gas ☐ Welt ☑ Well ☐ Other		A Marian
2. Name of Operator	DEC 2000	8. Well Name and No. CARRACAS 25 A # 16
VASTAR RESOURCES, INC.	(4)	S API Well No.
3. Address and Telephone No.	4 HECEIVED	30-039-26476
1816 E. MOJAVE ST., FARMINGTON, NM 8	7401 (505) 599-430 M OIL CON. DIV	D. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Dist. o	BASIN FRUITLAND COAL 11. County or Parish, State
	Men.	7 County or Paish, State
SESE 585' FSL & 710' FEL SEC. 25, T-32N	B-5W	DIO ADDIRA NIM
		RIO ARRIBA, NM
	DICATE NATURE OF NOTICE, REPORT, OR OTHI	ER VAIA
TYPE OF SUBMISSION		
Notice of Intent	Abandonment	Change of Plans New Construction
Subsequent Report	Recompletion Plugging Back	Non-Routine Fracturing
<u> </u>	Casing Repair	Water Shut-Otf
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Othe NEW WELL COMPLETION	Dispose Water
		(Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)
Reference Vastar's application for Re-the subject well. Operator ran a follows: 3671-3673 (2'), 3687-3708 diameter. Treat all perfs w/ 500 ga sandwedge containing 2130 sx 20/ 2.76#, J-55, IJ 10RD tbg w/ 4 GLM	permit to drill dated 06/12/00 and BLM'S a CCL/GR/CNL fm 3789' to 2790' and permit to this work.)* 1 10% formic acid followed w/ 99,035 gal properties of the same of the sam	forated Fruitland Coals as 4 spf, 104 holes w/ 0.42" 25# Delta Frac 140 gel w/ 806' (PBTD) and ran 1.9" 3655'. N.U. 2 3/8" X 2000#
N. Hau		
14. I hereby Sectify that the foregoing is true and correct		ACCEPTED FOR DEACH
Signed Yan Warrager	Title WORKOVER SUPERVISOR	ACCEPTED FOR RECORD
(This space for Federal or State office use)		DEGE OOG 5000
Approved by	Tritle	Date
Conditions of approval, if any:		FAHMINGTON FIELD OFFICE
Title 18 U.S.C. Section 1001, makes it a crime for any person knoor representations as to any matter within its jurisdiction.	owingly and willfully to make to any department or agency of the Unite	ed States any false. fictitious or fraudulent statement

and the state of t

*See Instruction on Reverse Side

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135

Expires: March 31, 1993 **BUREAU OF LAND MANAGEMENT** Léase Designation and Serial No. NM 59704 **SUNDRY NOTICES AND REPORTS ON WELLS** 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or deepen or reentity to a different reservoir. Use "APPLICATION FOR PERMIT." for such proposals O MILLEY 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well Oil **DEC 2000** Well Well Other 8. Well Name and No. RECEIVER 2. Name of Operator Carraças 25 A #16 OILCOM DIV 9. API Well No. **VASTAR RESOURCES, INC.** 3. Address and Telephone No. 30-039-26476 10. Field and Pool, or Exploratory Area 1816 E. MOJAVE ST., FARMINGTON, NM 87401 BASIN FRUITLAND COAL 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State 585' FSL, 710' FEL, Section 25, T32N, R5W RIO ARRIBA COUNTY, NM 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion **New Construction** Plugging Back Non-Routine Fracturing \mathbf{x} Subsequent Report Casing Repair Water Shut-Off Altering Casing Conversion to Injection П Dispose Water Final Abandonment Notice Other **Drilling Operations** (Note: Report results of multiple completion on Well Cornoletion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 10-1-00 Spud 13 3/4" hole @ 18:30. TD'd surface hole at 1020' on 10-3-00 @ 06:00. Ran 22 joints, 8_5/8" 24# K-55 STC casing to 1003 and cemented with 780 sx Class H w/additives. Circulated 110 bbls cement to pit. Installed bradenhead & BOP. Tested BOP to 250 psi low 2000

psi high. Drilled out with 7 7/8" bit.

10-7-00 TD'd 7 7/8" hole at 3870' @ 16:00. Ran 94 joints 5 1/2" 17# K-55 LTC casing to 3850' and cemented with 914 sx Class H w/additives. Circulated 110 bbls cement to pit. CIP 19:25 10-11-00. ND BOP. NU Wellhead, RD.

cc: BLM, Farmington (Or + 3) N. Hall Well File		
14. Thereby certify that the foregoing is true and correct Signed Caular W.	Title Engineer 915 683-8000	ACCEPTED TO PECOPI-
(This space for Federal or State office use) Approved by	Title	Date NFC 0 6 2000
Conditions of approval, if any:		FARMINGIUM FIELD OFFICE
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 S	



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

July 10, 2000

Lori Wrotenbery
Director
Oil Conservation Division

٧,



Administrative Order NSL-4484

Vastar Resources, Inc. 15375 Memorial Drive Houston, Texas 77079 Attention: Michael Rodgers

Dear Mr. Rodgers:

Reference is made to the following: (i) your application dated June 19, 2000; and (ii) the New Mexico Oil Conservation Division's ("Division") records in Santa Fe, including the file on Division Case No. 9559: all concerning Vastar Resources, Inc.'s request for an off-pattern non-standard Basin-Fruitland coal gas well location for the proposed Carracas "25-A" Well No. 16 to be drilled 585 feet from the South line and 710 feet from the East line (Unit P) of Section 25, Township 32 North, Range 5 West, NMPM, Rio Arriba County, New Mexico. The E/2 of Section 25 is to be dedicated to this well in order to form a standard 320-acre stand-up gas spacing and proration unit for the Basin-Fruitland Coal (Gas) Pool.

By the authority granted me under the provisions of Rule 8 of the "Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool," as promulgated by Division Order No. R-8768, as amended, the above-described unorthodox coal gas well location is hereby approved.

Sincerely,

Lori Wrotenbery

Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec

U. S. Bureau of Land Management - Farmington

U. S. Forest Service - Bloomfield

rerm 3160-4 (Octuber 1990)

UNITED STATES

SUBMIT IN DUPLICATE* See other instructions on reverse side) FOR APPROVED
OMB NO. 1004-0137

	DEPAR	IMEN	T OF T	HE IN	ER	IOR									SERIAL NO.
				MANAGE							NM			JAYA.NI	J SERIAL NO.
WELLO	OMPLET	ONO	DECC	MDIET	ION	DED/	ODT A	ND	1.00	+				EE OR	TRIBE NAME
	UNIPLET	ION O	Y KEUL	MIPLE	ION	KEP	ORIA	שא	LUG	· · · · · · · · · · · · · · · · · · ·	_				
1 a. TYPE OF WELL:		OIL. WELL	GAS [DRY		OTH						_	ACAS		
b. TYPE OF COMPLETION	ON:	wr.ta,	WELL [X) '*''	Ц	21111	N	EW CO	MPLET	ION	7. UNIT	AGR	EEMENT	NAME	
	WORK OVER	npep. En	PLING BACK	DIFF. RESVI	П	ाम	er	010	1177		0 5101				
2. NAME OF OPERATO							1	2) (C	<u> </u>		8. FARM	IUKI	LEASE N/	wie, w	ELL NO.
VASTAR RES	OURCES, I	NC.				,	(0)	4	~	15%			ACAS	25A	<u># 16</u>
3. ADDRESS AND TELE	PHONE NO.						<u>₹</u>	DEC-	2000		9. API W	ÆLL	NO.		
1816 E. MOJ	AVE, FARM	INGTO	N, NM 87	401	(505	99-4 5 0	U CF	-i\/=:	1 ===	30-	039	-2647	6	
4. LOCATION OF WELL	(Report loss	tion clearly	nd in accorda	nce with any Sta			4	LCO	W. DIV		10				
4. BOOKITON OF WEEL	, (Iteport loce			ace associately but	ne requar	J.	رس رهنی	DIST	. 3	, Q.,	BAS	IN F	RUITLA	ND C	OAL
At surface		585' FSL	. & 710' FI	EL.		•	QESB,				11. SEC.,	T., R.			AND SURVEY
At top prod. interval re	eported below	SAME					100	7,20	2026	J.	OR AI	IEA.			
As seed donah		SAME					400		14 2 2 4 2		SEC	C. 2	5, T-3	2N, I	R-5W
At total depth		SAME		14. PERMI	NO.		DA	TE ISSU	JED		12. COUN	VTY C	R PARIS	Н 1	3. STATE
				JII	I LO	OTAV		08/0	8/00		RIC) AF	RRIBA	.	NM
15. DATE SPUDDED	16. DATE T.D.	REACHED	17. DATE C	OMPL. (Rea	dy to pro	d.)	18. EL	EVATIO	NS (DF.	RKB, RT, G	R, ETC.)*		19. ELE	V. CASI	NGHEAD
10/01/00	10/07/		10/26					987 K	(B	- 6	6976 GI				
20. TOTAL DEPTH, MD	₹TVD 21.	PLUG, BAC	K T.D., MD & 1	TVD 22.	IF MUI	TIPLE CO	OMPL,	23.	INTER DRILL		ROTARY	TOO	ils	C.	ABLE TOOLS
3870		3806								▶	0-3	870)		
24. PRODUCING INTER	VAL(S), OF THIS C	OMPLETIO	N - TOP, BOT	OM, NAME (M	D AND	TVD)*					1	<u> </u>	25. V		RECTIONAL
FD1471 1410 0	074 0754														Y MADE
FRUITLAND 3		of the											27. WAS	NO	CORER
CCL/GR/CNL												- }	ľ	WELL NO	CORED
28.	. a MOD LO	<u> </u>	CASING	RECORD	(Report	all strings	set in well)				-			NO	
CASING SIZE/GRADE	WEIGHT, LB.	FT D	EPTH SET (M)		HOLE		32, 17, 32, 17,	TOP O	CEMEN	T, CEMEN	TING RECO	RD	. 7	MOUN	IT PULLED
8 5/8 J-55	24		1003	 		13 3/4					80SX				NONE
5 1/2 K-55	17		3850		ļ	7 7/8				GL 1	024SX				NONE
								<u> </u>		9	/ //				
29.		LINE	R RECORD		<u> </u>			30.		*TUBING	ECORD	—			
SIZE	TOP (MD)		COM (MD)	SACKS CEM	ENT*	SCREE	N (MD)		SIZE		PTH SET	MD)		PACK	ER SET (MD)
								1.	.9		3655				None
ar propon and pro	ODD //-t		CC=X			20		L.,	CID SU	Off. PD 4 CM	mp opve	VW 0	OVERER	DOC	
31. PERFORATION REC	OKD (Interval, s	ize and numl	xer)			32.	EPTH INT			JI, FRACII	URE, CEME AMOUNT	_			RIAL USED
3671-3673 (2'), 3687-3708	(21'), an	ıd			36	371-375	1					0% Fo		
3748-3751 (3')	, Total 26' w	/ 4 spf, 1	04 holes								follow	ed v	v/ 99,0	35 ga	al 25# Delta
w/ 0.42" dia.											Frac 1	40	gel w/s	w co	ntaining
					BRODE	VOTE ON					2130 s	x 2	0/40 Br	ady	sand.
33.* DATE FIRST PRODUCTION	ON	PRODUCTI	ON METHOD	(Flowing, go		UCTION umping - si	ze and type	of pump)		WEL	L STA	TUS (Produc	ing or shut-in)
											SI-	wo	PLC		
DATE OF TEST	HOURS TESTED	c	HOKE SIZE	PROD'N. F		OIL - B	BL.	G/	AS - MCF		WATER -	BBL	. [GAS-OI	L RATIO
]	I		TEST PERI	00			-							
FLOW. TUBING PRESS.	CASING PRESSI	RE C	ALCULATED	OIL - BBL.			GAS - MCF			WATER - B	BI.		lOII.	CRAVI	TY - API (CORR.)
room room a race.			HOUR RATE					•			AC()Er	OT FIN	FO	RECORL
													:		
34. DISPOSITION OF GA	AS (Sold, used for	fuel, vented,	etc.		٠					17	est with	esse 	ĎĒC (1 6	วกกด
35. LIST OF ATTACHMI	ENTS					·····							DEU (, ,	<u> </u>
SU. MOTOFATTACHMI	11110										يو ع)	Pates	نگ یا شاوارا	n 1.	ELU OFFICE
36. I hereby certify	that the forces	ing and a	tached info	rmation is	omple	te and c	orrect as	deter	nined f	rom all a	vailable r	ecm	ds	4	
	ontro				TITL									U Indian	000
SIGNED	210. 00.0	ZI					ORKOV					TE_	10/	27/2	UUU
		# (All no Ti	netwistis			Fam A J		1 Dat	T	>	(-L:9				

Attach the Bond und following completion testing has been comdetermined that the s Formation Tops	n of the involved opera pleted. Final Abandor ite is ready for final in as per your reque as per your reque #2451 verified by MSS for processing	the BLM Well Information System by Maurice Johnson on 01/31/20	ple completion or recompletion in its requirements, including reclams 3214'Main Coal 3690'PC	d subsequent n n a new intervalation, have been core at the core a	rot the Farmington Field Office DRIZED REPRESENTITIVE
Attach the Bond und following completion testing has been completed that the second determined that the second termined termined that the second termined that the second termined termined that the second termined	n of the involved opera pleted. Final Abandor ite is ready for final in as per your reque as per your reque #2451 verified by MSS for processing	tions. If the operation results in a multi- nument Notices shall be filed only after all spection.) est:Ojo Alarno 3120'Kirtland the BLM Well Information Systems by Maurice Johnson on 01/31/20	ple completion or recompletion in its requirements, including reclama 3214 Main Coal 3690 PC	d subsequent n n a new intervalation, have been core at the core a	FEB 2001 RECEIVED ON CON. DIV. DIST. 3
Attach the Bond und following completion testing has been comdetermined that the s Formation Tops	n of the involved opera pleted. Final Abandor ite is ready for final in as per your reque	tions. If the operation results in a multi innent Notices shall be filed only after al spection.) est:Ojo Alamo 3120'Kirtland	ple completion or recompletion in the completion in the completion in the control of the control	d subsequent n n a new intervalation, have bee	reports shall be files within 30 days al, a Form 3160-4 shall be filed once on completed, and the operator has reported by the shall be filed once on completed. The shall be filed once on completed and the operator has reported by the shall be filed once on completed. The shall be filed once on complete the shall be
-		n (clearly state all pertinent details, inch recomplete horizontally, give subsurfac	-		
Notice of Int Subsequent Final Aband		Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Recor	water Shut-Off mation mplete orarily Abandon Disposal Water Shut-Off Well Integrity Other
TYPE OF SUB	BMISSION		TYPE OF	ACTION	
12.	CHECK APPRO	PRIATE BOX(ES) TO INDI	CATE NATURE OF NO	TICE, REP	ORT, OR OTHER DATA
4. Location of Well 710FEL 585FSL		Sec., T., R., M., or Survey Descrip	•		11. County or Parish, and State ARRIBA NM
Н	O. BOX 3092 OUSTON, TX 772		3b. Phone No.(include are 281.366.4491	ea code)	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
2. Name of Operator VASTAR RESO	URCES, INC.				8. Well Name and No. GARRACAS 25 A 16 9. API Well No.
	oil Well ⊠	ATE - Other instruction Gas Well Other	s on reverse side.		7. If Unit or CA/Agreement Name and/or No.
		lse form 3160-3 (APD) for			6. If Indian, Allottee or Tribe Name
abai	not use this fo	TICES AND REPORTS (orm for proposals to drill o	or to re-enter an		5. Lease Serial No. NM - 59704
Do abai	SUNDRY NO				OMB NO. 1004-0135 Expires: November 30, 2000
(August 1999) Do abai	BUR	RTMENT OF THE INTER EAU OF LAND MANAGEME			ONTO 1004 0126

Office

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.

Form 3160-5 (August 1999) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT 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					5. Lease Ser NM - 597		1,1
SUBMITS	NTRPECATE THE !	nsvirlichtens on	TIME T	grafite: "All I	7. If Unit or	CA Agreement, Name and	No.
1. Type of Well: Oil Well Gas Well	Other					me and Well No.	
2. Name of Operator VASTA		MDIZEN DED	DESE	VTITIVE	9. API Well	Ng	
3a. Address P.O. BOX 30	: corleyml@bp.com 192	3b. Phone No	. (includ	le area code)	30039264 10. Field and	Pool, or Exploratory	
HOUSTON,	TX 77253 ec., T., R., M., or Survey Description	FAX: 281	1.366.4 1.366.0	491 EXT: 700		RUITLAND COAL	
Sec 25 T32N R5W SES				ARRIBA	or Parish, State		
12. CHECK A	PROPRIATE BOX(ES) TO	INDICATE 1	VATU	RE OF NOTICE, REP	ORT, OR	OTHER DATA	
TYPE OF SUBMISSION			TY	PE OF ACTION			
Notice of Intent	Acidize	Deepen		Production (Start	t/Resume)	Water Shut-off	
Subsequent Report	Alter Casing Casing Repair	☐ Fracture Trea ☐ New Constru		☐ Reclamation ☐ Recomplete		☐ Well Integrity ☑ OTHER SUNDRY	/ N/OTY
_	Change Plans	Plug and Aba		Temporarily Aba		C OTHER SUNDRY	NOTIC
Final Abandonment Notice	Convert to Injection	Plug Back		☐ Water Disposal			•
If the proposal is to deepen d Attach the Bond under which following completion of invo- testing has been completed. determined that the site is rea	NAME PREVIOUSLY SUBM	ly, give the subsurfi de the Bond No. o lts in multiple com filed only after all	ace loca n file wi pletion or requiren	tions and measured and true the BLM/BIA. Required so recompletion in a new intenents, including reclamation,	vertical depth ubsequent rep rval, a Form 3 have been con	s of all pertinent markers an orts shall be filed within 30 160-4 shall be filed once	d zones. days
			1	2 2 3	FEB (
Name (Printed/Typed)			Title				
Signature			Date				_
	THE PART THE SPACE OF THE	o)kando)b(kan	LOR	Site one conficients	10		file .
Approved by	医电路性电影 医克尔尔氏试验检尿道 医甲甲甲二二二甲甲二二二甲甲二二二甲甲二二二甲甲二二二甲甲二二二甲甲二二二甲			Title		Date	
certify that the applicant holds le Which would entitle the applican		the subject lease		Office			
	Title 43 U.S.C. Section 1212, make idulent statements or representations				ske to any dep	partment or agency of the Ur	uted

https://204.124.94.180/ec/OPERATOR/reports/snpage.asp

RESOURCES, INC. SENT TO THE FARMINGTON FIELD OFFICE

ELECTRONIC SUBMISSION #2453 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR VASTAR

District £ PO Box 1980, Hobbs, NM 88241-1980 District II 811 South First, Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

District III

District IV

I.

State of New Mexico Energy, Minerals & Natural Resources Dep

Form C-104 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

\square /	MENDED	REPORT
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DECLIECT ECD AT	LOWABLE AND AUTH	コヘウェク メイエーハエ イヘコ	TO A NICOODT
KLQULSI TOK AL	LUM AULE AND AULE	TOMESTION TO 1	TYO TO THE

	Operator name and Address Vastor Resources, Inc.	(C) (S)		OGRID Number 036619
	Attn. Mary Corley P.O. Box 3092 Houston, TX 77253	FE	B 2001	New Well
'API Number 30 - 039-26476		itland Coal	7.7.7.7 .7.7	Foot Code
¹ Property Code	· -	rty Name	~ (S)	Well Number
10 Surface Locati	on		المراكبة المراكبة المراكبة	

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	05W	<u> </u>	585'	South	710	East	Rio Arriba

11 Bottom Hole Location

-	UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
1				<u>'</u>						
	13 Lae Code	¹³ Producin	g Method Code	" Gas	Connection Date	¹⁵ C-129 Permit	Number	C-129 Effective De	ife i'' C-:	129 Expiration Date
	F		F							

III. Oil and Gas Transporters

Transporter OGRID	¹⁹ Transporter Name and Address	30 POD	11 O/G	2 POD ULSTR Location and Description
036619	Vastar Resources, Inc. 1816E Majave	2828012	G	
	Fermington, NM 87401			
				\$5678g
				DEC 2000
	·			
				OIL CON. DIV
Produced Wa	ter			C CC 22 (2)

POD 5 <u> 9028013</u> ²⁴ POD ULSTR Location and Description

V. Well Completion Data

³⁹ Spud Date 10/01/2000	²⁶ Ready Date 10/26/2000	³⁷ TD 3870'	3806	³ Perforations 3671' - 3751'	DHC, DC,MC
²¹ Hole Size	³³ Casing	& Tubing Size	33 Depth Set		M Sacks Cement
13 }"	8.5	/8" 24#	1003'		780 5X5
7 7/8"	5	17#	3850	914	1024 5XS
Tubing		1.9"	3655		

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	77 Test Date 51 - WOPLC	M Test Length	39 Tbg. Pressure	" Csg. Pressure		
4 Choke Size	4 Oil	43 Water	44 Gas	d AOF	" Test Method		
with and that the information knowledge and belief. Signature:	es of the Oil Conservation Division given above is price and complete to		OIL CONSERVATION DIVISION Approved by OFFICIAL SEGNED BY CHAPLUE T. PERUEN				
Printed name: Mary Co	rigi		Trile: DEFNTY OIL & GAS INSPECTOR, DIST. 32				
Titte: Sr. Regulá	fory Analyst		Approval Date: MAR	-2 2001			
Date: 12/05/2000	Phone: 281-3	66-4491					
^{el} If this is a change of oper	ator fill in the OGRID number a	ed name of the previous	operator .	<u> </u>			
Previous	Operator Signature		Printed Name	Title	Date		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IX
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate

Form C-104A

March 19, 2001

District Office

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Change of Operator

Prev	vious Operator Information:	New Operator Information:			
		Effective Date:	12/31/2001		
OGRID:	036619	New Ogrid:	000778		
Name:	Vastar Resources Inc.	New Name:	BP America Production Company		
Address:	P.O. Box 3092	Address:			
Address:		Address: _	;		
City, State, Zip:	Houston, Texas 77253	City, State, Zip: _	Houston, TX 77253		
form and the atta New Operator Signature: Printed name: Title:	hat the rules of the Oil Conservation Division ched list of wells is true and complete to the Mary Corley Sr. Regulatory Specialist 12/10/2001 Phone:	best of my knowledge			
Previous operate	or complete below:	1	NMOCD Approval		
Previous					
Operator: _	Vastar Resources Inc.	Signature:	<u>;</u>		
Previous		Printed	278		
OGRID:	036619	Name:	SUPERVISOR DISTRICT #3		
Signature: _ Printed	May Colly	District:	JAN 25 2002		
Name: _	Mary Corley	Date:			

District I 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised June 10, 2003 Submit 1 copy of the final affected wells

Form C-104A

list along with I copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Prev	ious Operator Information:	New Operator Information:				
•		Effective Date:	06/01/2003			
OGRID:	000778	New Ogrid:	162928			
Name:	BP AMERICA PRODUCTION CO.	New Name:	ENERGEN RESOURCES CORP.			
Address:	P.O. BOX 3092	Address:	2198 BLOOMFIELD HIGHWAY			
Address:		Address:				
City, State, Zip:	HOUSTON, TX 77253	City, State, Zip:	FARMINGTON, NM 87401			
hereby certify that	at the rules of the Oil Conservation Division	n have been complied	with and that the information on this			
form and the attack New Operator Signature: _	hed list of wells is true and complete to the	best of my knowledge	e and belief.			
Printed name: _	GARY W.BRINK		Conserved to the second			
Title:	GENERAL MANAGER - SAN JUAN BASI	N .	So de la constante de la const			
E-mail						
Address:	gbrink@energen.com		HE OFFICE NO			
Date: _	08/25/03 Phone: 505-325-68	00	16.8 L 3 CD			
Previous operator	r complete below:	Ī	MOCD Approval			
Previous						
Operator: 1	BP AMERICA PRODUCTION COMPANY	Signature:				
Previous		Printed	77.8			
OGRID: 0	00778	Name:	SUPERVISOR DISTRICT #3			
Signature:	Mary arley	District:	AUG 2 7 2003			
Printed						
Name: N	MARY CORLEY	Date:				
E-mail						
Address:	1	l				

Page: 1 Document Name: untitled

CMD:

OG6IWCM INQUIRE WELL COMPLETIONS ONGARD

05/12/04 14:28:43 OGOMES -TPER

API Well No : 30 39 24417 Eff Date : 06-01-2003 WC Status : A

OGRID Idn Pool Idn 162928 ENERGEN RESOURCES CORPORATION 71629 BASIN FRUITLAND COAL (GAS)

Prop Idn 32951 CARRACAS UNIT 31 B

Well No 005

GL Elevation: 6960

U/L Sec Township Range North/South 1 1 1 East/West Prop/Act (P/A)

31 32N 04W FTG 1770 F N FTG 830 F W Ч

Dedicated Acre: 320.00

Lot Identifier:

B.H. Locn

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O):

M0025: Enter PF keys to scroll

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E0005 PF01 HELP PF07 BKWD	CMD: OG6ACRE API Well No Pool Idn Prop Idn Spacing Unit Sect/Twp/Rng Dedicated La
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PF06 CONFIRM PF12 RECONF	05/12/04 14:28:50 0GOMES -TPER Page No : 1 Well No : 005 s Dedication: 2? (Y/N) : ship Lot Idn

CMD: OGRID Identifier OG6IPRD 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 05/12/04 14:28:59 Page No: OGOMES -TPER

API Well No Pool Identifier 30 71629 BASIN FRUITLAND COAL (GAS) 39 24417 Report Period - From : 01 2002 To : 04 2004

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440		1728	30	06 02	31 B	UNIT 3	CARRACAS	24417	<u>بر</u> 9	30
290		1833	31	05 02	31 B	UNIT 3	CARRACAS	24417	39	30
284		1875	30	04 02	31 B	UNIT 3	CARRACAS	24417	39	30
422		2251	31	03 02	31 B	UNIT 3	CARRACAS	24417	39	30
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Reporting Period Total (Gas, Oil) :

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Date: 5/12/2004 Time: 02:29:21 PM

OG6IPRD CMD .. OGRID Identifier 778 BP AMERICA PRODUCTION COMPANY INQUIRE PRODUCTION BY POOL/WELL ONGARD 05/12/04 14:29:02 OGOMES -TPER Page No: 2

Pool Identifier 71629 BASIN FRUITLAND COAL (GAS)

API Well No 30 39 24417 Report Period - From : 01 2002 To : 04 2004

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API Well No

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39 24417 Report Period - From : 01 2002 To : 04 2004

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Reporting Period Total (Gas, Oil) : 32116 4783

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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 9559 ORDER NO. R-8844

APPLICATION OF NASSAU RESOURCES, INC. FOR NINETEEN UNORTHODOX COAL GAS WELL LOCATIONS, RIO ARRIBA COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on December 21, 1988, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this <u>17th</u> day of January, 1989, the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) At the time of the hearing this case was consolidated with Division Case No. 9560 for the purpose of testimony.
- (3) The applicant, Nassau Resources, Inc., seeks approval of 19 unorthodox coal gas well locations, as described in Exhibit "A" attached hereto and made a part hereof, to test the Basin-Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico.
- (4) On October 17, 1988, the Division entered Order R-8768 which adopted Special Rules for the Basin-Fruitland Coal (Gas) Pool including RULE 7 which provides in part that the first well drilled in a 320-acre unit shall be located in either the NE/4 or SW/4 of a governmental section and that it be located no closer than 790 feet to the outer boundary of the spacing unit.
- (5) Prior to the adoption of the rules for this pool, the applicant in this case, Nassau Resources, Inc., formed the Carracas Canyon Unit in Rio Arriba County, New Mexico, 97.7 percent of which acreage is federal leases.

Case No. 9559 Order No. R-8844 Page No. 2

- (6) The preliminary drilling by the applicant in the unit area has provided sufficient information to reasonably conclude that a substantial portion of the unit can be developed for Basin-Fruitland Coal (Gas) production.
- (7) The Carracas Canyon Unit in Rio Arriba County, New Mexico, lies almost entirely within the Carson National Forest with all surface use including location of these wells subject to the jurisdiction of the United States Forest Service and to the Carson National Forest Land and Resource Management Plan.
- (8) Included among the surface use restrictions for well locations, roads and pipelines to access these wells within the Carracas Canyon Unit were topographical restrictions concerning soil conservation, steepness of slope, limitation on grade for roads, forest preservation, wildlife habitat management and archeological/historical artifact preservation.
- (9) The applicant with due diligence has attempted in each section of the unit to locate two wells at locations which would conform to standard well locations under the current RULE 7 of Order No. R-8768. Said U.S. Forest Service Management Plan in the Carson National Forest requires that future use of the Carracas Canyon area surfaces involves maximizing the use of existing roads and minimizing construction of new roads.
- (10) For each spacing unit for the proposed nineteen unorthodox coal gas well locations, the applicant has been unable to locate and obtain U.S. Forest Service approval for a standard well location within that proposed spacing unit.
- (11) The District Forest Ranger for the Jicarilla Ranger District, whose area encompasses the subject unit area, testified on behalf of the applicant at the hearing that each of the proposed nineteen unorthodox gas well locations has either been approved or is acceptable. His testimony also indicated that in some instances while a surface location may be possible at a standard well location, there is no acceptable location for the necessary roads and pipeline rights of way to access the well locations.
- (12) While the proposed nineteen wells are off-pattern locations under the Special Rules for the Basin-Fruitland Coal (Gas) Pool, they will provide for an orderly development of the unit on 320-acre spacing patterns.
- (13) No interest owner in the unit nor any interested party adjoining the unit appeared and objected to this application.
- (14) The District Ranger also provided supporting testimony which indicates that approval of this application would enable the applicant and the United States Forest Service to implement an orderly plan for exploration and development which is consistent with oil and gas conservation and will not adversely impact environmental concerns.

Case No. 9559 Order No. R-8844 Page No. 3

(15) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the coal gas in the affected pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

- (1) The application of Nassau Resources, Inc. for exceptions to RULE 7 of Division Order No. R-8768 allowing 19 unorthodox coal gas well locations, as shown on Exhibit "A" attached hereto and made a part hereof, within their Carracas Canyon Unit Area, Rio Arriba County, New Mexico, for the Basin-Fruitland Coal (Gas) Pool is hereby approved.
- (2) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

EXHIBIT "A"
CASE NO. 9559
ORDER NO. R-8844

WELL LOCATION

DEDICATED ACREAGE E/2 (320 acres) Lots 1, 2, 3, 4 and the E/2 W/2 (300.52 acres)	N/2 (320 acres) E/2 (320 acres) E/2 (320 acres) N/2 (320 acres) Lots 3 and 4, the E/2	(310.55 acres) Lots 1, 2, 3, 4 and the E/2 W/2 (300.96 acres) N/2 (320 acres)	W/2 (320 acres) E/2 (320 acres) E/2 (320 acres) E/2 (320 acres) W/2 (320 acres)	M/2 (320 acres) S/2 (320 acres) E/2 (320 acres) E/2 (320 acres) W/2 (320 acres)
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EOOTAGE 650 FSL - 2070 FEL 1170 FNL - 830 FWL	1655 FNL - 1185 FWL 640 FSL - 1500 FEL 790 FS & EL 1740 FNL - 1800 FWL 1100 FSL - 790 FEL	1770 FNL - 830 FWL - 1630 FWL	1160 FNL - 1060 FWL 790 FSL - 1950 FEL 1850 FSL - 790 FEL 1190 FSL - 1850 FEL 790 FN & WI	200 FSL - 500 FEL 790 FSL - 1850 FEL 790 FS & EL 640 FSL - 710 FEL 1450 FNL - 910 FWL
WELL NAME AND NUMBER Carracas Unit 17-B No. 15 Carracas Unit 19-B No. 4	Carracas Unit 21-B No. 5 Carracas Unit 25-B No. 15 Carracas Unit 26-B No. 16 Carracas Unit 27-B No. 5 Garracas Unit 30-B No. 16		Carracas Unit 33-B No. 4 Carracas Unit 33-B No. 16 Carracas Unit 35-B No. 9 Carracas Unit 36-B No. 15	Carracas Unit 15-A No. 16 Carracas Unit 21-A No. 15 Carracas Unit 22-A No. 16 Carracas Unit 25-A No. 16 Carracas Unit 36-A No. 5

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

CASE NO. 9559 ORDER NO. R-8844-A

APPLICATION OF NASSAU RESOURCES, INC. FOR NINETEEN UNORTHODOX COAL GAS WELL LOCATIONS, RIO ARRIBA COUNTY, NEW MEXICO

NUNC PRO TUNC ORDER

BY THE DIVISION:

It appearing to the Division that Order No. R-8844 dated January 17, 1989, does not correctly state the intended order of the Division,

IT IS THEREFORE ORDERED THAT:

(1) The location of the Carracas Unit 27-B Well No. 5 as described on Exhibit "A", which is attached to Division Order No. R-8844 and made a part thereof, be and the same is hereby corrected to read as follows:

FOOTAGE

"1740 FNL' - 800' FWL;"

(2) The corrections set forth in this order be entered nunc pro tunc as of January 17, 1989.

DONE at Santa Fe, New Mexico, on this 2nd day of June, 1989.

STATE OF NEW MEXICO OIL CONSERVATION DAVISION

WILLIAM J. LEMAY

Director

SEAL

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(Other instructions on reverse side) **UNITED STATES**

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- STATE OF NEW MEXICO

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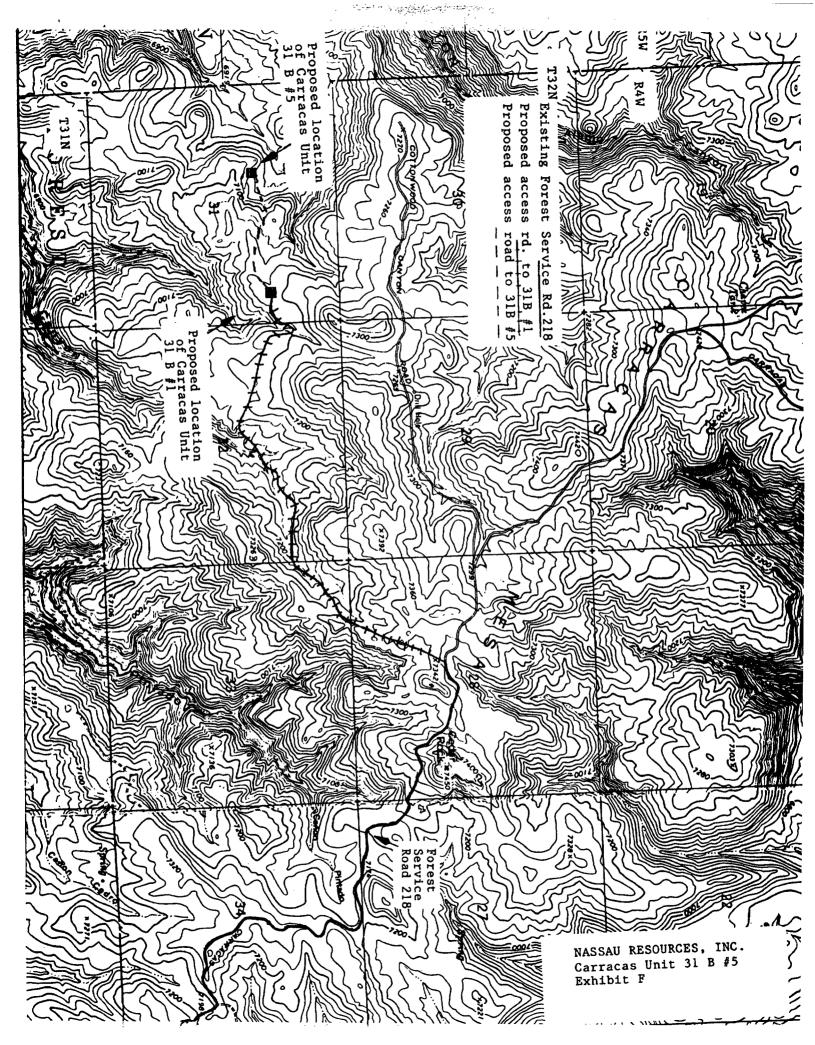
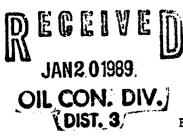


EXHIBIT "A" CASE NO. 9559 ORDER NO. R-8844

WELL LOCATION

THE PROPERTY SECTIONS

Carracas Unit 36-A No. 5	Carracas Unit 25-A No. 16	Carracas Unit 22-A No. 16	· Carracas Unit 21-A No. 15	Carracas Unit 15-A No. 16	Carracas Unit 14-A No. 4.	Carracas Unit 36-B No. 15	V Carracas Unit 35-B No. 9	Carracas Unit 33-B No. 16	Carracas Unit 33-B No. 4	Carracas Unit 32-B No. 5	Carracas Unit 31-B No. 5	√Carracas Unit 30-B No. 16	VCarracas Unit 27-B No. 5	Carracas Unit 26-B No. 16	Carracas Unit 25-B No. 15 ⁷ .	Carracas Unit 21-B No. 5	Carracas Unit 19-B No. 4	Carracas Unit 17-B No. 15	WELL NAME AND NUMBER
1450 FNL - 910 FWL	640 FSL - 710 FEL	790 FS & EL	790 FSL - 1850 FEL	200 FSL - 500 FEL	790 FN & WL	1190 FSL - 1850 FEL	1850 FSL - 790 FEL	790 FSL - 1950 FEL	1160 FNL - 1060 FWL	1630 FNL - 790 FWL	1770 ENL - 830 FWL	1100 FSL - 790 FEL	1740 FNL - 1800 FWL	790 FS & EL KCK	640 FSL - 1500 FEL	1655 FNL - 1185 FWL	1170 FNL - 830 FWL	650 FSL - 2070 FEL	FOOTAGE
E-36-32N-5W	P-25-32N-5W	P-22-32N-5W	O-21-32N-5W	P-15-32N-5W	D-14-32N-5W	O-36-32N-4W	I-35-32N-4W	P-33-32N-4W	D-33-32N-4W	E-32-32N-4W	E-31-32N-4W	P-30-32N-4W	E-27-32N-4W	P-26-32N-4W	0-25-32N-4W	E-21-32N-4W	D-19-32N-4W	0-17-32N-4W	U-S-T-R
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STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 9559 ORDER NO. R-8844

APPLICATION OF NASSAU RESOURCES, INC. FOR NINETEEN UNORTHODOX COAL GAS WELL LOCATIONS, RIO ARRIBA COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on December 21, 1988, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 17th day of January, 1989, the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

- (1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) At the time of the hearing this case was consolidated with Division Case No. 9560 for the purpose of testimony.
- (3) The applicant, Nassau Resources, Inc., seeks approval of 19 unorthodox coal gas well locations, as described in Exhibit "A" attached hereto and made a part hereof, to test the Basin-Fruitland Coal (Gas) Pool, Rio Arriba County, New Mexico.
- (4) On October 17, 1988, the Division entered Order R-8768 which adopted Special Rules for the Basin-Fruitland Coal (Gas) Pool including RULE 7 which provides in part that the first well drilled in a 320-acre unit shall be located in either the NE/4 or SW/4 of a governmental section and that it be located no closer than 790 feet to the outer boundary of the spacing unit.
- (5) Prior to the adoption of the rules for this pool, the applicant in this case, Nassau Resources, Inc., formed the Carracas Canyon Unit in Rio Arriba County, New Mexico, 97.7 percent of which acreage is federal leases.

Case No. 9559 Order No. R-8844 Page No. 2

- (6) The preliminary drilling by the applicant in the unit area has provided sufficient information to reasonably conclude that a substantial portion of the unit can be developed for Basin-Fruitland Coal (Gas) production.
- (7) The Carracas Canyon Unit in Rio Arriba County, New Mexico, lies almost entirely within the Carson National Forest with all surface use including location of these wells subject to the jurisdiction of the United States Forest Service and to the Carson National Forest Land and Resource Management Plan.
- (8) Included among the surface use restrictions for well locations, roads and pipelines to access these wells within the Carracas Canyon Unit were topographical restrictions concerning soil conservation, steepness of slope, limitation on grade for roads, forest preservation, wildlife habitat management and archeological/historical artifact preservation.
- (9) The applicant with due diligence has attempted in each section of the unit to locate two wells at locations which would conform to standard well locations under the current RULE 7 of Order No. R-8768. Said U.S. Forest Service Management Plan in the Carson National Forest requires that future use of the Carracas Canyon area surfaces involves maximizing the use of existing roads and minimizing construction of new roads.
- (10) For each spacing unit for the proposed nineteen unorthodox coal gas well locations, the applicant has been unable to locate and obtain U.S. Forest Service approval for a standard well location within that proposed spacing unit.
- (11) The District Forest Ranger for the Jicarilla Ranger District, whose area encompasses the subject unit area, testified on behalf of the applicant at the hearing that each of the proposed nineteen unorthodox gas well locations has either been approved or is acceptable. His testimony also indicated that in some instances while a surface location may be possible at a standard well location, there is no acceptable location for the necessary roads and pipeline rights of way to access the well locations.
- (12) While the proposed nineteen wells are off-pattern locations under the Special Rules for the Basin-Fruitland Coal (Gas) Pool, they will provide for an orderly development of the unit on 320-acre spacing patterns.
- (13) No interest owner in the unit nor any interested party adjoining the unit appeared and objected to this application.
- (14) The District Ranger also provided supporting testimony which indicates that approval of this application would enable the applicant and the United States Forest Service to implement an orderly plan for exploration and development which is consistent with oil and gas conservation and will not adversely impact environmental concerns.

Case No. 9559 Order No. R-8844 Page No. 3

(15) Approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the coal gas in the affected pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

- (1) The application of Nassau Resources, Inc. for exceptions to RULE 7 of Division Order No. R-8768 allowing 19 unorthodox coal gas well locations, as shown on Exhibit "A" attached hereto and made a part hereof, within their Carracas Canyon Unit Area, Rio Arriba County, New Mexico, for the Basin-Fruitland Coal (Gas) Pool is hereby approved.
- (2) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

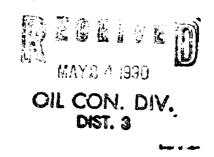
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Per Bureau of Land Management request, attached is an updated sketch.





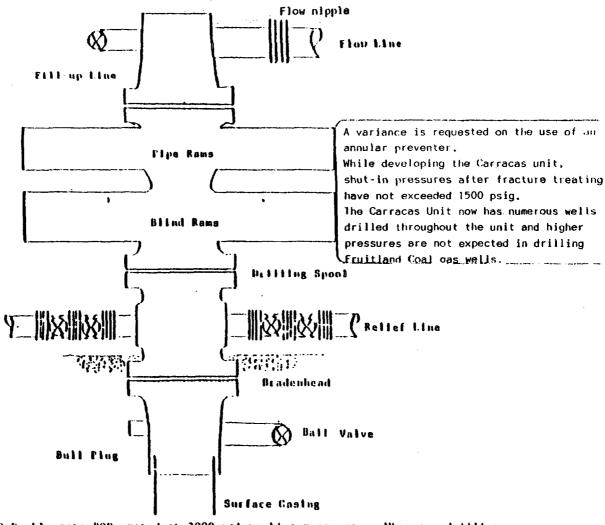
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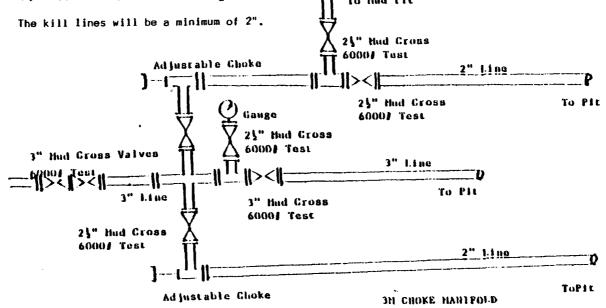
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BLOWOUT PREVENTER INSTALLATION



Series 900 bomble gate BOP, rated at 3000 pst working pressure. When gas drilling operations begin, a Shaffer type 50 or equivalent rotating head is installed ontop of the flow nipple and the flow line is converted into a blowle line. Upper Kelly cock valve will be in place with handle on rig floor at all times along with Safety valve and subs for drill string in use.



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OIL CON. DIV.,
DIST. 3

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*See Instructions on Reverse Side	FARMINGTON REGULARDE AREA



Jérome P. McHugh & Associates Operating Affiliate: Nassau Resources, Inc. P O Box 809, Farmington, NM 87499-0809 (505) 326-7793 Fax (505) 327-0859

September 10, 1990

New Mexico Oil Conservation Division 1000 Rio Brazos Rd. Aztec, NM 87410

RE: NASSAU RESOURCES, INC. Carracas Unit 31 B #5

Unit E, Sec. 31, MINES NMPM

Rio Arriba County, NM

Gentlemen:

I hereby certify that deviation surveys were run on the captioned well as shown listed below.

1		at	307'	1/2	at	1806'
	3/4	at	536'	1/4	at	2025'
1		at	931'	1/2	at	2532'
	1/2	at	1337'	3/4	at	3028'
				1	at	3528'

Sincerely

James S. Hazen Field Supt.

CM

SEP1 3 1990

OIL GON. DIV.)

State of New Mexico

County of San Juan

Subscribed and sworn to before me this 10th day of Sept., 1990.

OFFICIAL SEAL

Trances Perur

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FRANCES PERRIN NOTARY PUBLIC - NEW ME HEO Notary Bond Filed with Secret - # Ot: My Commission Expires 5-15-73

(This space for Pederal or State office use)	ACCEPTED FOR RECORD
18. I hereby certify that the foregoing is true and correct BIGNED S. Hazen S. Hazen TITLE Field Supt.	DATE 9/10/90
OIL CON.	DIV.
Set slips and released rig at 6:00 pm on 9/6/90. OCT 1/1	990
Maximum rate 6 bpm. Maximum pressure 1000 psi. Bumped plug with 1500 psi.	
One turbolizer in Ojo Alamo.	
Centralizers on jts. #1, #3, #5, #7, #9, #11, #13, & #15.	ĝ.
Circulated 3 bbls. of cement to surface. Plug down at 4:00 pm on 9/6/90.	76. 14.
Full returns throughout job.	
(139 cu.ft.) Total of 1263 cu.ft.	
100 sk of 50/50 poz w/ 2% gel, 6-1/4#/sk gilsonite and 1/4#/	sk flocele
429 sk of 65/35 poz w/ 12% gel and 1/4#/sk flocele. (1124 cu	
Cemented as follows: 10 bbls. mud flush	
Set at. 3,974' KB.	
Ran 98 jts. of 5-1/2", 17#, K-55 LT&C casing.	
Reached TD of 3975' on 9/4/90.	
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Carracas Unit 31 B

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BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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NASSAU RESOURCES, INC.

P.O. Box 809, Farmington, N.M. 87499 to arms or writ (Report location clearly and in accordance with any State requirements * See also space 17 below) At surface

1770' FNL - 830' FWL

14. PERMIT NO

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TEST WATER SHILL OFF PLUE OF ALTER CASING WATER SHOT OFF BEFAILING WELL PRACED BE LIBERT PRACTIBLE TREATMENT ALALBING CARING EDDOC OR ACTIONS SHOOTING OR ALBERTHA (Nork: Report results of multiple completion on Well Completion or Recompletion Report and Log form) (Other) Request extension of APD ¦X

17 besentiff enorge or on complex transported at Clearly state all pertinent details, and give pertinent dates thehiding estimated date of starting any proposed work of well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and gives pertinent to this work.)

Request extension of Application to Drill due to drilling schedule.

OIL CON. DIV. PIST. 3

THIS APPROVAL EXPIRES NOV 01 1990

18. I hereby certify that the foregoing is true and correct Fran Perrin (This space for Pederal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



		*See Instructions	on Reverse Side		SEP 0 1 1993 NGTON DISTRICT OF	FFICE
	APPROVED BY	TITLE		MCCER!	TED FOR REC	CORD
	SIGNED FLAN PENING (This space for Federal or State office die)	TITLE Reg	ulatory Liaison	DA1	rв <u>8/30/93</u>	
ÍŘ	R. I hereby certify that the foregoing is true and corr	rect			NOTON, NM	IVED
			SEP - 3 1993 OIL CON. D. DIST. 3	E D	S3 AUG 31	RECE BL
	Well was turned back than 90 days.					ore peru-
1 7	Other) Other) Output Output	ly state all pertinent rive subsurface locati	Completion or Rec	sults of multiple	-48 . 4 . 8	
	SHIROT OR ACIDIZE ARANDON*		PRACTURE TREATMENT REGOTING OR ACIDIZING		ALTERING CASING ABANDONMENT®	
	TEST WATER SHUT-OFF PULL OR ALTER		WATER SHUT-OFF		REPAIRING WELL,	
1.,	" Check Appropriate bo	ox to indicate N	ature of Notice, Report, o	or Other Date		
11		6960. GL			Arriba 13. 8	RAW,NMPI NM
	1770' FNL - 830' FWL	·		11. 85C.,	T., B., M., OR BLE. AND	
4.	P.O. Box 809, Farmington, N.M. Direction of well (Report location clearly and in a Secondary approx 17 below.)	67499 ccordance with not	State requirements.*		AND FOOD OR WILDO	
3.				E Car	racas_Unit 31	LB
2	WELL WELL OTHER			Carı	TACAS UNIT	
-	SUNDRY NOTICES AND (Do not use this form for proposale to drill or use "Application for PE	to deepen or plug be	ON WELLS net to a different reservoir. possals.)		/	
٠	BUREAU OF LAND	MANAGEMENT	And the second second		0015 AN, ALLOYTEE OR TRI	

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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.

I bereby certify that the foregoing of the space for Federal or State APPROVED BY	TITE SO DECE USE) TITE TITE	NOV 1 0 1994 OUL COM. DUV. DUST. 3 Regulatory Liaison	DATE 11/2/94
BIGNED France	Ne TITI	OIL COM. DIV. Dist. 3	
I heroby partity that the foregain	ne is true and accept		CAND -3 FAILTHANN NA
	· ·		24 KBY - 3 KATT: 12 070 FALCABION, NM
			070 F3 Links
		HU 0 334 -	070 54 kt
		Deceiven	
	•		
Well was tur	rned back on 11/1/9	94 after being shut-in for	more than 90 days.
REPAIR WELL (Other) DESCRIBE PROPOSED OR COMPLETE: proposed work. If well is di nent to this work.)	ABANDON® CHANGE PLANE DOPERATIONS (Clearly State all rectionally drilled, give subsurf	1000000	ABANDONMENT* Urned back on XX ts of multiple completion on Well pletion Report and Log form.) a. including estimated date of starting no cal depths for all markers and zones perti
FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER RHUT-OFF	BEFAIRING WELL,
	Appropriate Box To Ind	icale Nature of Notice, Report, or	Other Data
30-039-24417		'_GL	12. COUNTY OF FARISH 13. STATE
1770' FNL - 830' FW			II. SEC., T., S., M., OR BLE. AND SURVEY OR ARMA
P.O. Box 809, Farmi incation of well (Report locati See also apace 17 below.) At surface	ngton. N.M. 87499) rith any State requirements.*	10. FISID AND FOOI. OR WILDCAT Basin Fruitland Coal.
NASSAU RESOURCES, I	NC, OGRID # 01	5515	Carracas_Unit 31_B.
OIL GAR WELL WELL OTHE HAME OF OPERATOR	R		Carracas Unit
			7. UNIT AGBEEMENT NAME
(Do not use this form for pr Use "APPI		or plug back to a different reservoir.	į
SUNDRY NO	OTICES AND REPO	RTS ON WELLS	NM 30015 G. IF INDIAN, ALLOTHE OR THISE NAME

*See Instructions on Reverse Side

FARMINGIUIVUIDIMILI UTHICE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any deposition of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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* . *.* *	J.P	TRUE VERT. DEPTH		i i	.*				
GEOLOGIC MARKERS	TOP	MEAS, DEPTH	3115	3205	3687'				
GEOL				•					
		NAME	ojo Alamo	Kirtland Fruitland	Coal Coal				
SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.	Item #28	Cemented 9-5/8" csg. w/ 192 sk of Class "B' w/ 2% CaCl (225 cu.ft.)		of 50/5 ite and of 1263		·	•	
ow all important of erval tested, cus	BOTTOM			. *:	i 	•		·	
ROUS ZONES: (Shickling depth int	TOP								
 SUMMARY OF POR drill-stem, tests, in recoveries); 	PORMATION .					• .			

 $(x_{k+1}) = (x_k \otimes x_k \otimes x_k \otimes x_k \otimes x_k) = 1$

Supplied to the Control of the 1 NWP 1 CNG 1 Amoco 1 Dugan . A NMOCD Aztec 1 DE 1 File State of New Mexico Form C-104 Submit 5 Copies
Appropriate District Office
DISTRICT! Energy, Minerals and Natural Resources Department Revised 1-1-89 See Instruction P.O. Box 1980, Hobbs, NN 88240 at Rattern of Page OIL CONSERVATION DIVISION DISTRICT II P.O. Drawer DD, Astesia, NM 88210 P.O. Box 2088 Santa Fe, New Mexico 87504-2088 DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410 REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS 30-039-24417 NASSAU RESOURCES, INC. Address P O BOX 809, Farmington, N.M. 87499 Reason(s) for Filing (Check proper box) Other (Please explain) nge la Transporter of: New Well Recompletion Ō end Gas 🔲 Condensate 🗍 Change in Operator ange of operator give name **II. DESCRIPTION OF WELL AND LEASE** Well No. Pool Name, Including Formation Kind of Lease State, Tederal or Fee Lease No. Carracas Unit 31 B 5 Basin Fruitland Coal NM 30015 1770 Feet From The North Line and 830 _ Feet From The _West 32N Range 4W Rio Arriba 31 Township . NMPM. County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Name of Authorized Transporter of OB Address (Give address to which approved copy of this form is to be sent) or Cond or Dry Gas XX Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghead Cas P O Box 809, Farmington, N.M. 87499 NASSAU RESOURCES, INC If well produces oil or liquids, Unit Twp. Rge. Is gas actually connected? When ? give location of tanks. 12/5/90 32N 5W Yes If this production is commingled with that from any other lease or pool, give commingling order number: IV. COMPLETION DATA On Well Gas Well New Well Workover Deepen Plug Back Same Res'v Diff Res'v Designate Type of Completion - (X) Total Depth P.B.T.D. 4-12-91 3975' KB 3889 Elevations (DF, RKB, RT, GR, etc.) Top Oil/Can Pay Name of Producing Formation Tubing Depth 3746 6960' GL Fruitland Coal 3686' KB Denth Casing Shoe 3686' - 3746' KB 3974' KB TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 309' KB 12-1/4" 9-5/8" 225 cu.ft., circ. to surf 8-3/4" 5-1/2" 3974' KB 1263 cu.ft., circ. to surf. 3746' KB 2-7/8" V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Rus To Task | Data of Test | Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Rue To Tank Leagth of Test Casing Pressure Tubing Pressure Actual Prod. During Test Water - Bbls. Oil - Able. 60 $^{82}2$ 1991 OIL CON. DIV. **GAS WELL** Bbls. Condensate/MIMCFDIST. 3 Actual Prod. Test - MCF/IS Length of Test 35 24 hours Casing Pressure (Shut-in) Tubing Pressure (Shut-in) Charle Size lesting Method (pitet, back pr.) VI. OPERATOR CERTIFICATE OF COMPLIANCE **OIL CONSERVATION DIVISION** I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Fran Penin

Date Approved MAY 3 1 1991

By SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

2) All sections of this form must be filled out for allowable on new and recompleted wells.

¹⁾ Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

³⁾ Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

Distri 05) 393-6161 P.O. Box 1980 Hobbs, AM 88241-1980 District II - (505) 748-1283 811 S. First Artesia, NM 88210 District III - (505) 334-6178 1000 Rio Brazos Road Aztec, NM 87410 District IV

Contact Party: Gary J. Johnson

New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

Form C-140 Originated 11/1/95

> Submit Original Plus 2 Copies to appropriate District Office

APPLICATION FOR QUALIFICATION OF WELL WORKOVER PROJECT AND CERTIFICATION OF APPROVAL

			ATION AND ALL AT TION DIVISION.	TACHME	ENTS MUS	T BE FILEDW	ITHTHE API	PROPRIATE DIS	TRICT
I.	Operator:	Nassau	Resources,	Inc.			OGRID #:	015515	
	Address:	650 S.	Cherry St.,	Ste	1225,	Denver,	CO 8022	2	

Name of Well: Carracas Canyon Unit 31B #5 2 3 API # 30-039-24417 II. Section 31 , Township 32N , Range 04W , NMPM, Roi 09/04/1996 III. Date Workover Procedures Commenced:

Date Workover Procedures were Completed: 09/16/1996

- Attach a description of the Workover Procedures undertaken to increase the projection from the Well. IV.
- Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and ٧. table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- \$12 LINE VI. Pool(s) on which Production Projection is based: Basin Fruitland Coal

VII.	AFFIDAVIT:	•
	State of <u>Colorado</u>	.)
	County of Denver	_) ss.)

Gary J. Johnson, being first duly sworn, upon oath states:

- 1. I am the Operator or authorized representative of the Operator of the above referenced Well.
- 2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
- To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete 3. and accurate and this projection was prepared using sound petroleum engineering principles.

Gary J. Johnson

(Name)

(Title)

Engineering Manager

Phone: 303-321-2111

	10.00	
SUBSO	CRIBED AND SWORN TO before me this	day of 1. 1996 Sue Thom De
Му Со	mmission expires: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Notary Public
FOR C	OIL CONSERVATION DIVISION USE ONLY:	
VIII.	CERTIFICATION OF APPROVAL:	
	designated as a Well Workover Project pursuant to Chapter 15, Sections 1 through 8). The Oil Cons Workover Project attached to this application. By	over Project is hereby approved and the above referenced Well is to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, ervation Division hereby verifies the Production Projection for the Well by copy of this Application and Certification of Approval, the Division the Department of this Approval and certifies that this Well Workover 1994.
		District Supervisor, District
		Oil Conservation Division Date: 11/7/96
IX.	DATE OF NOTIFICATION TO THE SECRETA	RY OF THE TAXATION AND REVENUE DEPARTMENT.
	DATE:	

Carracas Canyon Unit Well No. 31B-5 E-31-T32N-R04W Rio Arriba County, NM

Attachment 2

Description of workover procedures undertaken to increase production from the well.

- 09-04-96 Moved in and rigged up workover rig. Blew well down.
- 09-05-96 Finished blowing well down. Installed BOP. TOH & tally pipe (3745' KB with SN at 3714'). SI overnight.
- O9-06-96 Tested lines. OK. Broke down formation as follows:
 Pumped 25 bbls. water followed by 1000 gal 7-1/2 %
 HCl acid. Pumped acid away with 26 bbl water.
 Formation broke down at 2600 psi. ISIP 2200 psi.
 TOH with tubing. Rigged up BJ Services & fraced with slick water & 12/20 sand as follows:

Fluid vol bbls	Pressure	Sand	at BPM
1429	3700	Pad	55
390	3800	1/2#/gal	55
572	4000	1#/gal	54
221	4000	1-1/2#	51
364	4300	2#	51
15	4800	Flush	40

Well screened off 15 bbls into flush.

Avg treating pressure 4000 psi. ISIP 3800 psi
5 min SIP 2800 psi 10 min SIP 2600 psi
15 min SIP 2300 psi. SI overnight.

- 09-10-96 Bled off pressure (1400 psi). TIH with tubing.
 Hit sand at 1200'. Circulated sand from hole 7 jts.
- 09-11-96 Circulated 78 stands (1116'), cleaning hole to 2564' SI overnight.
- 09-12-96 Circulated well clean to 3750'. Set 119 joints of 2-7/8" tubing at 3686' with SN at 3654' & notched collar at 3686'. Replaced bad joint of tubing 3 jts above SN. Rigged up to swab.

Carracas Canyon Unit Well No. 31B-5 E-31-T32N-R04W Rio Arriba County, NM

Attachment 2
Description of workover procedures undertaken to increase production from the well.

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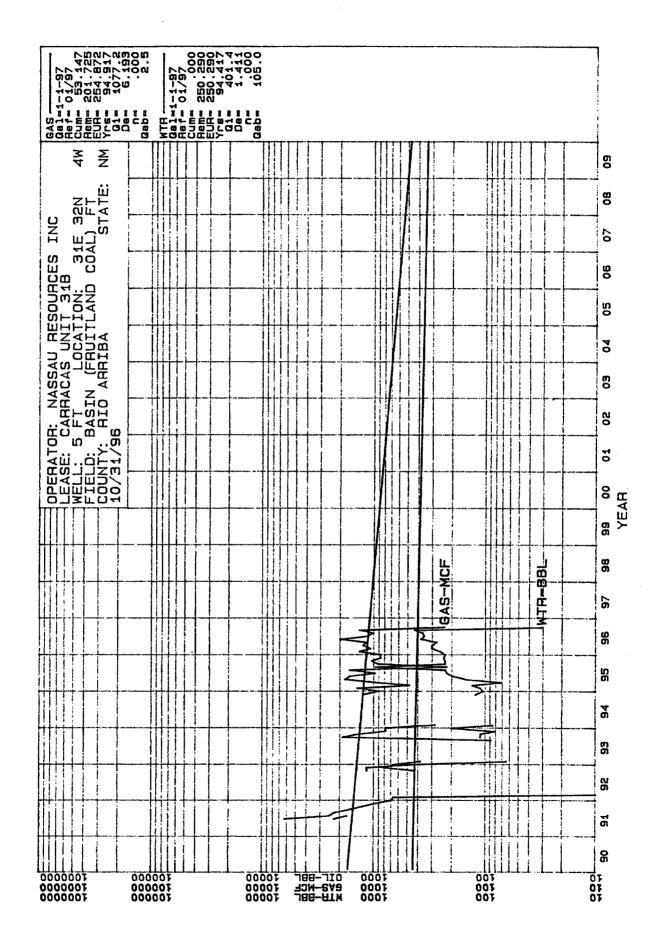
Page 2

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- 09-13-96 Swabbed 8:30 AM to 2:00 PM. No pressure, 230 bbl recovered. 2:30 PM 25 psi; 3:30 PM 100psi; 5:00 PM 320 psi. Shut-in overnight.
- 09-14-96 Swabbed 8:00 AM to 1:00 PM. Recovered 150 bbls. 8:00 AM 460 psi; 9:00 AM 520 psi; 11:00 AM 530 psi 1:00 PM 576 psi. Shut-in overnight.
- 09-16-96 Rigged down Workover Unit. Pressure on casing 800 psi. Rebuilt wellhead. Equalized tubing and casing pressure.

Page No.: 1
Print Time: Thu Oct 31 16:15:04 1996
Property ID: 58
Property Name: CARRACAS UNIT 31B | 5 FT | NASSAU RESOURCES INC Table Name: C:\ARIES\CARRACAS\PRODUCT.DBF

DATE	OIL	GAS	WATER	GOR	YIELD	WTRCUT
	Bbl	Mcf	Bbl	Scf/Bbl		
06/30/91	0	6274	2243	0.000	0.000	100.000
07/31/91	0	2487	1724	0.000	0.000	100.000
08/31/91	0	2192	0	0.000	0.000	0.000
09/30/91	0	1626	0	0.000	0.000	0.000
10/31/91	0	1227	0	0.000	0.000	0.000
11/30/91	0	961	0	0.000	0.000	0.000
12/31/91	0	682	0	0.000	0.000	0.000
01/31/92	0	665	2	0.000	0.000	100.000
02/29/92	0	2	0	0.000	0.000	0.000
10/31/92	0	434	1150	0.000	0.000	100.000
11/30/92	0	817	1162	0.000	0.000	100.000
12/31/92	0	640	451	0.000	0.000	100.000
01/31/93	0	377	64	0.000	0.000	100.000
08/31/93	0	88	0	0.000	0.000	0.000
09/30/93	0	1904	111	0.000	0.000	100.000
10/31/93	0	1355	109	0.000	0.000	100.000
11/30/93	0	780	81	0.000	0.000	100.000
12/31/93	0	776	203	0.000	0.000	100.000
01/31/94	0	281	85	0.000	0.000	100.000
11/30/94	0	1233	123	0.000	0.000	100.000
12/31/94	0	898	104	0.000	0.000	100.000
01/31/95	0	1395	111	0.000	0.000	100.000
02/28/95	0	473	131	0.000	0.000	100.000
03/31/95	0	976	71	0.000	0.000	100.000
04/30/95	0	1803	150	0.000	0.000	100.000
05/31/95	0	1607	198	0.000	0.000	100.000
06/30/95	. 0	973	222	0.000	0.000	100.000
07/31/95	0	1633	228	0.000	0.000	100.000
08/31/95	0	217	976	0.000	0.000	100.000
09/30/95	0	928	226	0.000	0.000	100.000
10/31/95	0	1044	229	0.000	0.000	100.000
11/30/95	0	865	237	0.000	0.000	100.000
12/31/95	Ō	874	228	0.000	0.000	100.000
01/31/96	0	1339	254	0.000	0.000	100.000
02/29/96	0	1070	301	0.000	0.000	100.000
03/31/96	0	1241	301	0.000	0.000	100.000
04/30/96	ŏ	1161	273	0.000	0.000	100.000
05/31/96	Ö	2007	379	0.000	0.000	100.000
06/30/96	Ö	1142	351	0.000	0.000	100.000
07/31/96	Ö	1004	363	0.000	0.000	100.000
08/31/96	ő	1341	432	0.000	0.000	100.000
09/30/96	Ö	232	31	0.000	0.000	100.000



	Form C-140 Application for Qualification of Well Workover Project						
	and Certifica						
Attachment	1 Tabulation	of Estimate	d Well Produ	uction			
Nassau Res	ources, Inc.			 			
OGRID # 01							
C-140 Appli	cation						
Carracas Ur							
API # 30-03	9-24417 E-3	1-32N-04W	Rio Ariiba C	ounty, NM			
	Projected		Projected	775	Projected		Projected
DATE	Production	DATE	Production	DATE	Production	DATE	Production
	MCFM		MCFM		MCFM		MCFM
10-96	1110						
11-96	1068						
12-96	1098						
01-97	1095	01-00	901	01-03	746	01-06	616
02-97	984	02-00	839	02-03	670	02-06	553
03-97	1084	03-00	892	03-03	738	03-06	610
04-97	1043	04-00	859	04-03	711	04-06	587
05-97	1072	05-00	882	05-03	731	05-06	603
06-97	1032	06-00	849	06-03	703	06-06	580
07-97	1061	07-00	873	07-03	723	07-06	597
08-97	1055	08-00	868	08-03	719	08-06	593
09-97	1016	09-00	836	09-03	692	09-06	571
10-97	1044	10-00	859	10-03	711	10-06	587
11-97	1005	11-00	827	11-03	685	11-06	565
12-97	1033	12-00	850	12-03	704	12-06	581
01-98	1027	01-01	848	01-04	698	01-07	578
02-98	923	02-01	762	02-04	650	02-07	519
03-98	1017	03-01	839	03-04	691	03-07	572
04-98	978	04-01	808	04-04	665	04-07	550
05-98	1006	05-01	830	05-04	683	05-07	566
06-98	968	06-01	799	06-04	658	06-07	545
07-98	995	07-01	821	07-04	676	07-07	560
08-98	990	08-01	817	08-04	672	08-07	557
09-98	953	09-01	786	09-04	647	09-07	536
10-98	979	10-01	808	10-04	665	10-07	551
11-98	942	11-01	778	11-04	640	11-07	530
12-98	969	12-01	800	12-04	658	12-07	545
01-99	963	01-02	795	01-05	657	01-08	540
02-99	866	02-02	715	02-05	590	02-08	503
03-99	954	03-02	787	03-05	650	03-08	535
04-99	918	04-02	758	04-05	625	04-08	515
05-99	943	05-02	779	05-05	643	05-08	529
06-99	908	06-02	750	06-05	619	06-08	509
07-99	933	07-02	771	07-05	636	07-08	524
08-99	928	08-02	766	08-05	633	08-08	521
09-99	894	09-02	738	09-05	609	09-08	501
10-99	918	10-02	758	10-05	626	10-08	515
11-99	884	11-02	730	11-05	602	11-08	496
12-99	909	12-02	750	12-05	619	12-08	510

			tion of Well	Workover F	roject		
	and Certifica						
Attachment	1 Tabulation	of Estimate	d Well Prod	uction			ļ
Nassau Res	ouroos Ino				1		
OGRID # 01			 		 		
DGKID#UI	55 15				1		
C-140 Appl	cation						-
Carracas Ur					+		
		1 328 0414	Rio Ariiba Co	winty NIM	-		1
AFI # 30-03	5-24411 E-V	1-3214-0-444	NIO Alliba CL	Julity, 19191			1
	Projected		Projected		Projected		Projected
DATE	Production	DATE	Production	DATE	Production	DATE	Production
DAIL	MCFM	בוע	MCFM	DAIL	MCFM	DAIL	MCFM
	IVICT IVI		INICI IN		INC! IN		IAIC1 IA1
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	<u> </u>		 		 		
01-09	508	01-12	419	01-15	346	01-18	
02-09	457	02-12	389	02-15	311	02-18	
03-09	503	03-12	414	03-15	343	03-18	1
04-09	484	04-12	399	04-15	330	04-18	
05-09	498	05-12	410	05-15	339	05-18	1
06-09	479	06-12	394	06-15	327	06-18	
07-09	493	07-12	405	07-15	336	07-18	
08-09	490	08-12	403	08-15	334	08-18	
09-09	472	09-12	388	09-15	321	09-18	
10-09	485	10-12	399	10-15	330	10-18	
11-09	467	11-12	384	11-15	318	11-18	
12-09	479	12-12	395	12-15	327	12-18	
							
01-10	477	01-13	394	01-16	324	01-19	
02-10	429	02-13	354	02-16	302	02-19	
03-10	472	03-13	390	03-16	321	03-19	
04-10	454	04-13	375	04-16	309	04-19	
05-10	467	05-13	385	05-16	317	05-19	
06-10	450	06-13	371	06-16	305	06-19	
07-10	462	07-13	381	07-16	314	07-19	
08-10	460	08-13	379	08-16	312	08-19	
09-10	442	09-13	365	09-16	301	09-19	
10-10	455	10-13	375	10-16	309	10-19	
11-10	438	11-13	361	11-16	297	11-19	
12-10	450	12-13	371	12-16	306	12-19	
01-11	447	01-14	369	01-17		01-20	
02-11	402	02-14	332	02-17		02-20	
03-11	443	03-14	365	03-17		03-20	
04-11	426	04-14	352	04-17		04-20	
05-11	438	05-14	362	05-17		05-20	
06-11	422	06-14	348	06-17	ļ <u> </u>	06-20	
07-11	433	07-14	358	07-17		07-20	
08-11	431	08-14	356	08-17		08-20	ļl
09-11	415	09-14	343	09-17		09-20	
10-11	426	10-14	352	10-17		10-20	
11-11	411	11-14	339	11-17		11-20	
12-11	422	12-14	348	12-17		12-20	

Form 3160-5 (June 1990)

12.

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

6. If Indian, Allottee or Tribe Name

1: 45

7. If Unit

5. Lease Designation and Senal No. NM 30015

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals SUBMIT IN TRIPLICATE

or	CA. Agreement I	Designation
	CARRACA	AS UNIT

1. Type of Well Oil Gas ☐ Well Well Other 2. Name of Operator **VASTAR RESOURCES, INC.** 3. Address and Telephone No. 1816 E. MOJAVE ST., FARMINGTON, NM 87401 (505) 599-4300 OIL CON. DIV 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE

Well Name and No. CARRACAS 31 B #5 9 API Well No.

30-039-24417 10. Field and Pool, or Exploratory Area

BASIN FRUITLAND COAL 11. County or Parish, State

SWNW 1770' FNL & 830' FWL SEC. 31, T-32N, R-4W, NMPM

RIO ARRIBA, NM

TYPE OF SUBMISSION		
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection

DIST. 8

Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

M

Vastar elected to reperforate and refrac the Fruitland Coal in the subject well in an attempt to increase gas flow rates. Treated existing Fruitland perfs 3686-3706 and 3742-3746, 24' w/ 4 spf total 96 holes w/ 0.50" diameter w/ 500 gal 10 % formic acid followed w/ 58,457 gal 25# Delta frac 140 gel w/ sandwedge containing 1250 sx 20/40 Brady sand. After cleaning out the 5 1/2" csg to 3805' (PBTD @ 3829'), a 1.9", 2.76#, J-55, 10Rd IJ 10RD tbg assembly was run w/ 'F' nipple and WL Re-entry guide. No pkr, EOT at 3673'. Flow and clean well to a flowback tank. Operator will return the well to production after clean up. Operations started on 06/03/2000 and were completed on 06/22/2000.

cc: BLM, Farmington (Or + 3)

Approved by

WORKOVER SUPERVISOR

06/26/2000 Date

Conditions of approval, if any

CCEPTED FOR RECORD

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, fictibious or fraudulent statements or representations as to any matter within its jurisdiction

*See Instruction on Reverse Side

^{13.} Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

NASSAU

May 30, 2000

Mr. Frank Chavez, Supervisor District 3 New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

> Re: Transfer of Ownership and Operations Rio Arriba County Wells

Dear Mr. Chavez:

Please be advised that effective January 1, 2000 Nassau Resources, Inc. (OGRID 015515) has sold all of its right, title and interest in the wells listed on attached Table 2 to Vastar Resources, Inc. (OGRID 036619), whose address is 1816 E. Mojave. Farmington, NM 87401. Vastar will become operator of the wells effective April 1, 2000.

This letter and table are in lieu of submitting individual Forms C-104 for the transfer of ownership of each well.

Thank you for your help in this matter.

Sincerely,

Nassau Resources, Inc.

Vastar Resources, Inc.

M. Burke McHugh

President

Tom E. Yelich

Attomey-in-Fact

District I
1625 N. French Dr., Hobbs, NM 88240
District III
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 copy of the final affected wells list along with 1 copy of this form per number of wells on that list to appropriate

Form C-104A

March 19, 2001

District Office

Change of Operator

Previo	ous Operator Information:	Nev	v Operator Information:
		Effective Date:	12/31/2001
OGRID:	036619	_ New Ogrid: _	000778
	Vastar Resources Inc.	New Name: _	BP America Production Company
Address: _	P.O. Box 3092	Address: _	
Address:		_ Address: _	
City, State, Zip: _	Houston, Texas 77253	_ City, State, Zip: _	Houston, TX 77253
form and the attached New Operator Signature: Printed name: Title:S		he best of my knowledge	
Previous operator o	complete below:	1	NMOCD Approval
Previous	·		
Operator: _Va	astar Resources Inc.	Signature:	
Previous		Printed	27.8
OGRID: <u>03</u>	6619	Name:	SUPERVISOR DISTRICT #3
Signature:	May Colly		JAN 2 5 2002
Printed	~ <i> </i>		-
Name: M	ary Corley	Date:	•

District I
1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

1220 South St. Francis Dr.

Santa Fe, NM 87505

Oil Conservation Division

Revised June 10, 2003 Submit 1 copy of the final affected wells

Form C-104A

list along with I copy of this form per number of wells on that list to appropriate District Office

Change of Operator

Pre	vious Operator Information:	New Operator Information:				
•		Effective Date:	06/01/2003			
OGRID:	000778	New Ogrid:	162928			
Name:	BP AMERICA PRODUCTION CO.	New Name:	ENERGEN RESOURCES CORP.			
Address:	P.O. BOX 3092	Address:				
Address:		Address:				
City, State, Zip:	HOUSTON, TX 77253	City, State, Zip:	FARMINGTON, NM 87401			
orm and the attac New Operator Signature: Printed name: Title: E-mail	mat the rules of the Oil Conservation Division ched list of wells is true and complete to the GARY W. BRINK GENERAL MANAGER – SAN JUAN BASIT gbrink@energen.com 08/25/03 Phone: 505-325-68	best of my knowled	d with and that the information on this ge and belief.			
Previous operato	or complete below:		NMOCD Approval			
Previous			1			
Operator: _	BP AMERICA PRODUCTION COMPANY	Signature:				
Previous		Printed	37.4			
OGRID: _	000778	Name:	SUPERVISOR DISTRICT #3			
Signature:	Mary Coley	District:	AUG 2 7 2003			
	MARY CORLEY	Date:	Ì			
E-mail			1			
Address:			1			