

DATE IN 9/6/00	SUSPENSE 9/26/00	ENGINEER MS	LOGGED KW	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

25038873

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
[DD-Directional Drilling] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

X NSL NSP DD SD

SEP - 6

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

WFX PMX SWD IPI EOR PPR

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] X Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Regulatory/Compliance Administrator

Print or Type Name

Signature

Title

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

Sent Federal Express

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Seymour #3B
2305'FSL, 2305'FEL Section 24, T-31-N, R-9-W, San Juan County
30-045-30147

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for both the Basin Dakota and Blanco Mesaverde. This well is planned as the fourth Mesaverde well in the east half (E/2) of Section 24, and is intended to also utilize the wellbore to complete in the Dakota, to make a Mesaverde/Dakota dual well. This location is to take advantage of the maximum drainage allowed for the fourth Mesaverde well, while avoiding the drastic relief in topography, creating a very steep access which would be difficult to maintain. There is also an abundance of archaeology within the standard windows.

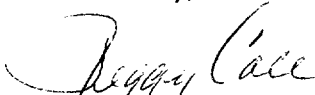
Production from the Mesaverde pool is to be included in a 319.37 acre gas spacing and proration unit for the east half (E/2) in Section 24 and is to be dedicated to the Seymour #3 (30-045-10433) located at 800'FNL, 1800'FEL in Section 24, the Seymour #3A (30-045-21761) located at 1190'FSL, 1020'FEL in Section 24, and the Seymour #3C (30-045-29959) located at 2100'FNL, 660'FEL in Section 24. Production from the Dakota pool is to be included in a 319.37 acre gas spacing and proration unit for the east half (E/2) in Section 24. Both the working interest and royalty interest ownership is the same in the west half as the east half of Section 24.

The following attachments are for your review:

- Application for Permit to Drill
- Completed C-102 at referenced location.
- Offset operators/owners plats – for Mesaverde and Dakota
- Topographic map
- Geologic explanation and map

Three copies of this application are being submitted to offset operators/owners by certified mail with a request that they furnish you with a Waiver of Objection, keep one copy for their files and return one copy to this office. Please let me know if you have any questions about this application.

Sincerely,



Peggy Cole
Regulatory Supervisor

xc: NMOCD - Aztec District Office
Bureau of Land Management

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078505 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name Seymour 9. Well Number 3B
4. Location of Well 2305' FSL, 2305' FEL Latitude 36° 53.0, Longitude 107° 43.9	10. Field, Pool, Wildcat Blanco Mesaverde/ Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) Sec.24, T-31-N, R-9-W API # 30-045-30147
14. Distance in Miles from Nearest Town 5 mi from Navajo Dam	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 2305'	
16. Acres in Lease	17. Acres Assigned to Well 320 E/2 319.37
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2000'	
19. Proposed Depth 7930'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6410' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS PROVIDED ARE SUBJECT TO CONDITIONS WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u><i>Penny Cole</i></u> Regulatory/Compliance Administrator	<u>1-18-00</u> Date

PERMIT NO. APPROVAL DATE
APPROVED BY *Ami Jotelo* TITLE *Petr. Eng.* DATE 5/30/00

Archaeological Report to be submitted

Threatened and Endangered Species Report to be submitted

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

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 presentations as to any matter within its jurisdiction.

OPERATOR

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

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

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-	² Pool Code 72319/71599	³ Pool Name Blanco Mesaverde/Basin Dakota
⁴ Property Code 7499	⁵ Property Name SEYMOUR	⁶ Well Number 3B
⁷ CGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6410'

¹⁰ Surface Location

UL or lot no. J	Section 24	Township 31N	Range 9W	Lot Idn	Feet from the 2305	North/South line SOUTH	Feet from the 2305	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres MV/DK:E/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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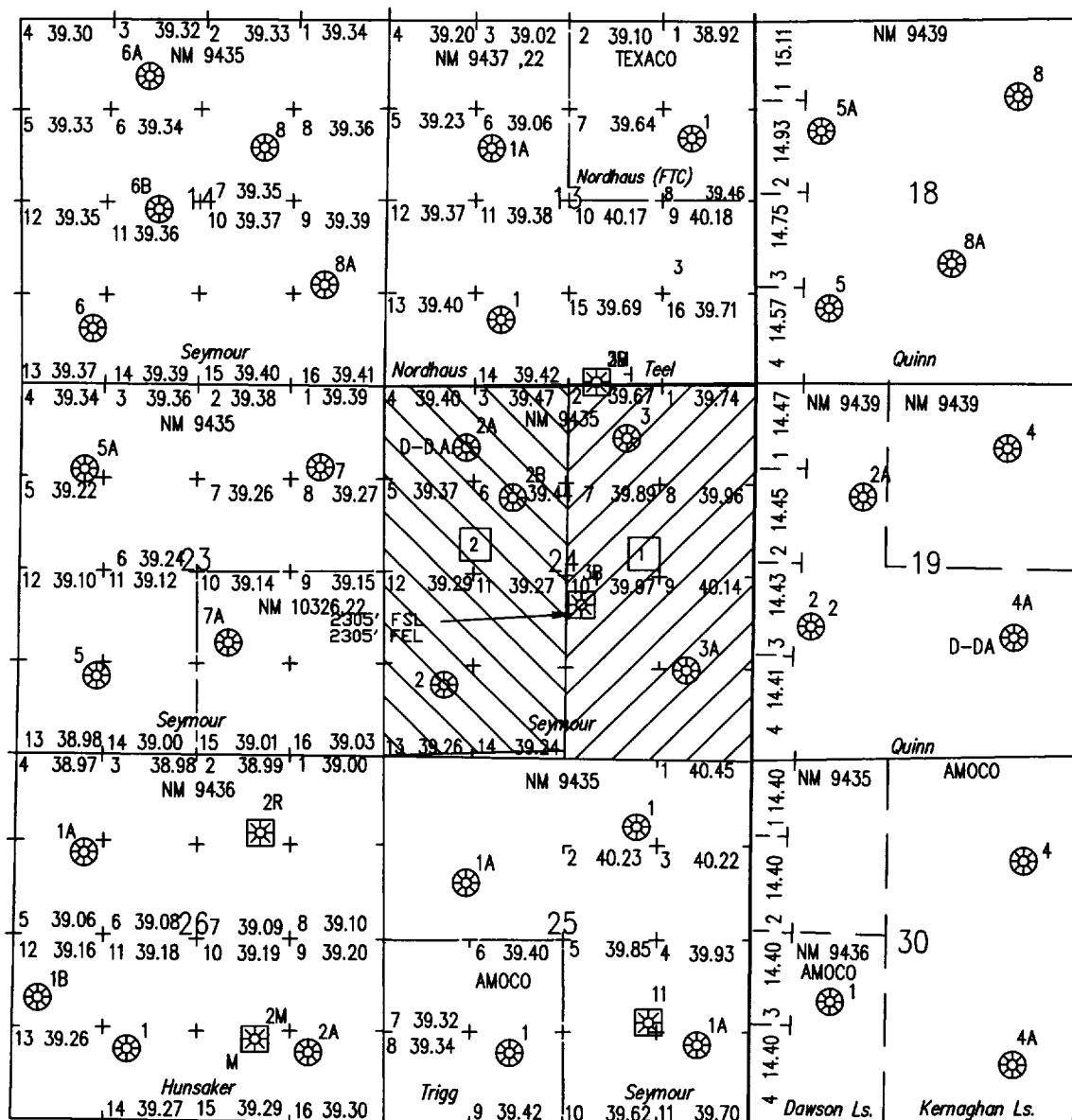
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

¹⁵	5225.88'				¹⁷ OPERATOR CERTIFICATION	
LOT 4	LOT 3	LOT 2	LOT 1	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.		
LOT 5	LOT 6	LOT 7	LOT 8	Signature <i>Peggy Cole</i> Peggy Cole		
LOT 12	LOT 11	LOT 10	LOT 9	Printed Name Regulatory Administrator		
LOT 13	LOT 14	2604.35'		Title 1-18-00		
2670.35'				Date 1-18-00		
2305'				¹⁸ SURVEYOR CERTIFICATION		
2305'				I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.		
2305'				NOVEMBER 3, 1999		
2305'				Date of Survey		
2305'				Signature and Seal of Professional Surveyor		
2305'				NEALE C. EDWARDS NEW MEXICO 6857		
2305'				Certification Number 6857		

BURLINGTON RESOURCES OIL AND GAS COMPANY

Seymour #3B
Section 24, T-31-N, R-9-W
OFFSET OPERATOR/OWNER PLAT

Nonstandard Location
Mesaverde Formation Well



1 Burlington Resources, operator & working interest owner

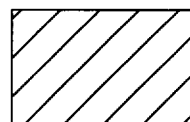
2 Burlington Resources, operator & working interest owner

Vastar Resources, Inc. - working interest owner

Attention: Michael Rogers

15375 Memorial Drive

Houston, Texas 77079



Proposed Well




Offset Operator

Seymour #3B
Section 24, T-31-N, R-9-W
OFFSET OPERATOR/OWNER PLAT

[illegible]

- 2 Burlington Resources, operator & working interest owner



Offset Operator

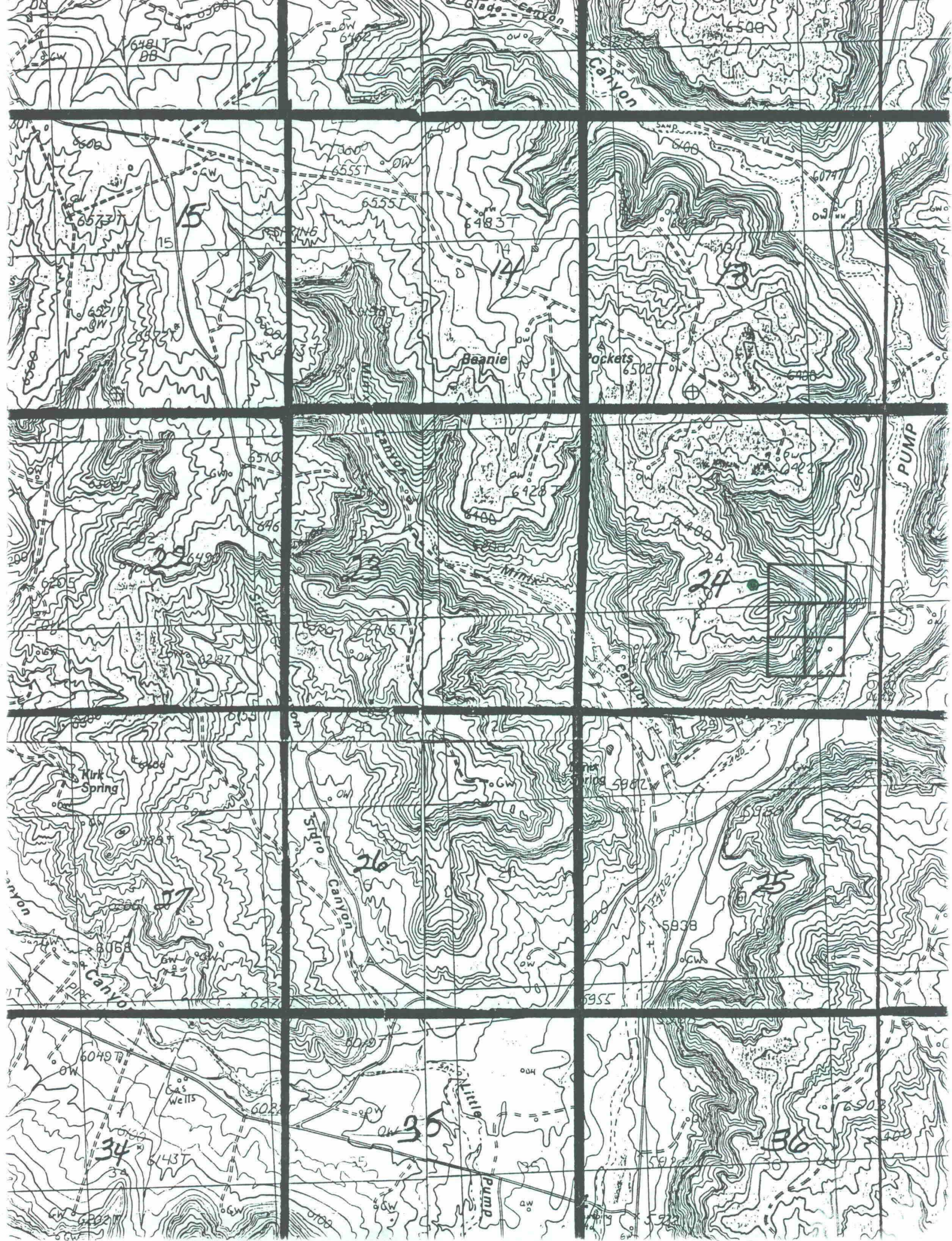
Re: Seymour #3B
2305'FSL, 2305'FEL Section 24, T-31-N, R-9-W, San Juan County
30-045-30147

I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location

Vastar Resources, Inc
Att: Michael Rogers
15375 Memorial Drive
Houston, TX 77079

A handwritten signature in black ink, appearing to read "Peggy Cole". The signature is fluid and cursive, with the first name "Peggy" written in a larger, more prominent script than the last name "Cole".

Peggy Cole
Regulatory Supervisor



Proposed Seymour Well Number 3B
2305' FSL & 2305' FEL
Section 24, T31N, R9W
San Juan County, New Mexico
Blanco Mesaverde/Basin Dakota Pool
Estimated TD 7930'

The Mesaverde spacing unit for the Seymour 3B is the E/2 of Section 24-T31N-R9W. The proposed test is staked at a non-standard Mesaverde gas well location within the spacing unit. The 3B will be the fourth Mesaverde producing well located in the 320-acre spacing unit. The primary control on productivity in the Mesaverde is the density of natural fractures. Fracture orientation ranges from due north to north 30 degrees east. Gas drainage areas are elliptical in shape with the long axis parallel to the direction of fracture orientation. A drainage ellipse map of the project vicinity indicates that undeveloped gas reserves remain to be exploited by the 3B in the W/2SE/4 of Section 24-T31N-R9W. The drainage ellipse map is based upon data derived from a larger study of the entire Blanco Mesaverde Pool (estimated ultimate recovery calculated for all wells in the Blanco Mesaverde Pool, original gas in place values calculated for entire Blanco Mesaverde Pool, etc). Every effort was made to locate the Seymour 3B at a standard Mesaverde gas well location in the W/2SE/4 of Section 24 that would also not create significant Mesaverde drainage area overlap with the Seymour 3A, located in the SE/4SE/4 of Section 24, T31N, R9W. Unfortunately, it was not possible to find such a surface location due to topographic and archeological restrictions.

The Dakota spacing unit for the Seymour 3B is the E/2 of Section 24-T31N-R9W. The proposed test will be the initial Dakota well completed in the 320-acre spacing unit. Exact placement of the well within the SE/4 of the section was not viewed as critical to success of the new drill project in the Dakota. The proposed test is staked at a non-standard Dakota gas well location within the spacing unit. Every effort was made to locate the Seymour 3B at a standard Dakota gas well location in the W/2SE/4 of Section 24 that would also not create significant Mesaverde drainage area overlap with the Seymour 3A, located in the SE/4SE/4 of Section 24, T31N, R9W. Unfortunately, it was not possible to find such a surface location due to topographic and archeological restrictions. A test located at the proposed footages is expected to be geologically comparable in the Dakota with a test located at any standard Dakota location in the W/2SE/4 of Section 24.

Seymour #3B
Blanco Mesaverde / Basin Dakota
31N - 9W - 24



 Seymour #3B
Proposed Location

 Seymour #3B
Spacing Unit

 Mesaverde CUM
Mesaverde EUR

 Drainage Ellipse
(based on MV EUR)

CMD : ONGARD 09/12/00 09:24:59
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TP7M

OGRID Idn : 14538 API Well No: 30 45 30147 APD Status(A/C/P): A
Opr Name, Addr: BURLINGTON RESOURCES OIL & GAS C Aprvl/Cncl Date : 05-30-2000
801 CHERRY ST
FT WORTH, TX 76102

Prop Idn: 7499 SEYMOUR Well No: 3 B

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	10	24	31N	09W			FTG 2305 F S	FTG 2305 F E
OCD U/L :	J		API County :	45				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6410

State Lease No: Multiple Comp (S/M/C) : M
Prpsd Depth : 7930 Prpsd Frmtn : BLANCO MV/BASIN DK

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

API Well No : 30 45 10433 Eff Date : 01-01-1900 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7499 SEYMOUR

Well No : 003
GL Elevation: 6426

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : 2	24	31N	09W	FTG	800 F N	FTG 1800 F E	P

Lot Identifier:
Dedicated Acre: 319.37
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

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

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

09/12/00 09:25:19
OGOMES -TP7M

API Well No : 30 45 21761 Eff Date : 07-01-1975 WC Status : A
Pool Idn : 72319 BLANCO-MESAVERDE (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7499 SEYMOUR

Well No : 003A
GL Elevation: 6013

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : P	24	31N	09W	FTG 1190 F S	FTG 1020 F E		P
Lot Identifier:							
Dedicated Acre: 319.37							
Lease Type : F							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :							

M0025: Enter PF keys to scroll

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

CMD : ONGARD 09/12/00 09:24:36
OG6C101 C101-APPLICATION FOR PERMIT TO DRILL OGOMES -TP7M

OGRID Idn : 14538 API Well No: 30 45 29959 APD Status(A/C/P): A
Opr Name, Addr: BURLINGTON RESOURCES OIL & GAS C Aprvl/Cncl Date : 05-22-2000
801 CHERRY ST
FT WORTH, TX 76102

Prop Idn: 7499 SEYMOUR Well No: 3 C

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	8	24	31N	09W			FTG 2100 F N	FTG 660 F E
OCD U/L :	H		API	County :	45			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : F
Lease typ(F/S/P/N/J/U/I): F Ground Level Elevation : 6047

State Lease No: Multiple Comp (S/M/C) : S
Prpsd Depth : 5544 Prpsd Frmtn : BLANCO MESAVERDE

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

09/12/00 09:23:28
OGOMES -TP7M
PAGE NO: 1

Sec : 24 Twp : 31N Rng : 09W Section Type : NORMAL

4 39.40 Federal owned A	3 39.47 Federal owned	2 39.67 Federal owned A A	1 39.74 Federal owned
5 39.37 Federal owned A	6 39.44 Federal owned A	7 39.89 Federal owned	8 39.96 Federal owned A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

159.26

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

09/12/00 09:23:31
OGOMES -TP7M
PAGE NO: 2

Sec : 24 Twp : 31N Rng : 09W Section Type : NORMAL

12 39.29 Federal owned A	11 39.27 Federal owned	10 39.97 Federal owned A	9 40.14 Federal owned
13 39.26 Federal owned A	14 39.24 Federal owned	O 40.00 Federal owned	P 40.00 Federal owned A

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07 BKWD	PF08 FWD	PF09 PRINT	PF10 SDIV	PF11	PF12

160.11
159.26

319.37

Stogner, Michael

From: Hayden, Steven
Sent: Friday, September 08, 2000 8:22 AM
To: Stogner, Michael
Subject: Burlington, Seymour #3B

Mike,

I think that when you combine the topographic constraint with the elliptical drainage, the NSL applied for in this application (Seymour #3B, 30-045-30147) is reasonable and appears to be the only choice. I looked at it on airphoto and confirmed it, as well.

Steve