DATE IN	/4/	198	SUSPENSE 3	24/	98	ENGINEER D	C	LOGGED	W	 TYPE A	HC	
	$\overline{}$											

ABOVE THIS LINE FOR DIVISION USE ONLY

### NEW MEXICO OIL CONSERVATION DIVISION

1871

Date

		- Engineering Bureau - $\int \delta$							
	ADMINISTRATIVE APPLICATION COVERSHEET								
	THIS COVERSHE	ET 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 AI	PPLICATION - Check Those Which Apply for [A]  Location - Spacing Unit - Directional Drilling  NSL NSP DD DSD MAR - 4 1998							
	Check [B]	One Only for [B] and [C]  Commingling - Storage - Measurement  DHC CTB PLC PC OLS OLM							
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  WFX PMX SWD IPI EOR PPR							
[2]	NOTIFICAT [A]	TION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners							
	[B]	POffset Operators, Leaseholders or Surface Owner							
	[C]	☐ Application is One Which Requires Published Legal Notice							
	[D]	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.

Peggy Bradfield

Regulatory/Compliance Administrator

Print or Type Name

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

Regulatory/Compliance Administrator

Title

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Minerals and Natural Resources Department

### OIL CONSERVATION DIVISION

**DISTRICT II** 

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

BURLINGTON RESOURCES OIL & GAS COMPANY

2040 S. Pacheco Santa Fe, New Mexico 87505-6429

**APPROVAL PROCESS:** 

X Administrative \_\_Hearing

**EXISTING WELLBORE** 

### APPLICATION FOR DOWNHOLE COMMINGLING

\_X\_ YES \_\_\_ NO

BURLINGTON RESOURCES OIL & GAS COMPANY PO Box 4289, Farmington, NM 87499							
Operator .	Addre	988					
Grenier B	#3, K 5-	-29-10 San Jua	n, New Mexico				
Lease	Well No. Unit L	tr Sec - Twp - Rge	County				
OGRID NO. 14538 Property Co	ndo 18532 API NO 30-	• •	Unit Lease Types: (check 1 or more)				
The following facts are submitted in support of downhole scommingling:	Upper Zone	Intermediate Zone	Lower Zone				
Pool Name and     Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599				
Top and Bottom of Pay Section (Perforations)	4130' - 4720' (Proposed)  Act. Provided at Completion		6634' – 6702'				
Type of production     (Oil or Gas)	Gas		Gas				
Method of Production     (Flowing or Artificial Lift)	Not currently completed		Flowing				
5. Bottomhole Pressure	(Current)	a.	Measured				
Oil Zones – Artificial Lift: Estimated Current	a. 353 psia at 4425'		a. 586 psia at 6668'				
Gas & Oil - Flowing:  Measured Current	(Original)						
All Gas Zones: Estimated or Measured Original	b. 1317 psia at 4425'	b.	b. 2450 psia at 6668'				
6. Oil Gravity ( <sup>°</sup> API) or Gas BTU Content							
7. Producing or Shut-In?	Awaiting Recompletion		Producing				
Production Marginal? (yes or no)	Anticipated to be No		Yes				
* If Shut-In and oil/gas/water rates of last production	Date: N/A	Date:	Date: N/A				
Note: For new zones with no production history, applicant shall be required to attach production estimates and aupporting data	Rates:	Rates:	Rates:				
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: Rates: N/A	Date: Rates:	Date: 1/27/97 Rates: 0.7 BOD, 40 MCFD				
	Oil: Gas:	Oil: Gas: %	Oil: Gas:				
	will be supplied upon completion		will be supplied upon completion				
9. If allocation formula is based	upon something other than cu	rrent or past production, or i	s based upon some other method, tions or other required data.				
10. Are all working, overriding, and if not, have all working, overrid Have all offset operators been			, '				
			be damaged, will any cross-flowed o, attach explanation)				
12. Are all produced fluids from all	The state of the s						
13. Will the value of production be							
			Public Lands or the United States				
15. NMOCD Reference Cases for R			,				
40 4774011454170	to be commingled showing its s r each zone for at least one year oduction history, estimated pro- cation method or formula. I offset operators. orking, overriding, and royalty in ments, data, or documents requ		ation. ination.) ata. t cases.				
I hereby certify that the inform							
SIGNATURE Kim J.	Molleff TITLE Operat	tions Engineer_DATE_0	3-02-98				

TYPE OR PRINT NAME Kevin Midkiff TELEPHONE NO. (505) 326-9700

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

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

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

District IV PO Box 2088, Santa Fe, NM 87504-2088 State of New Mexico Energy, Minerals & Natural Resources Department

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

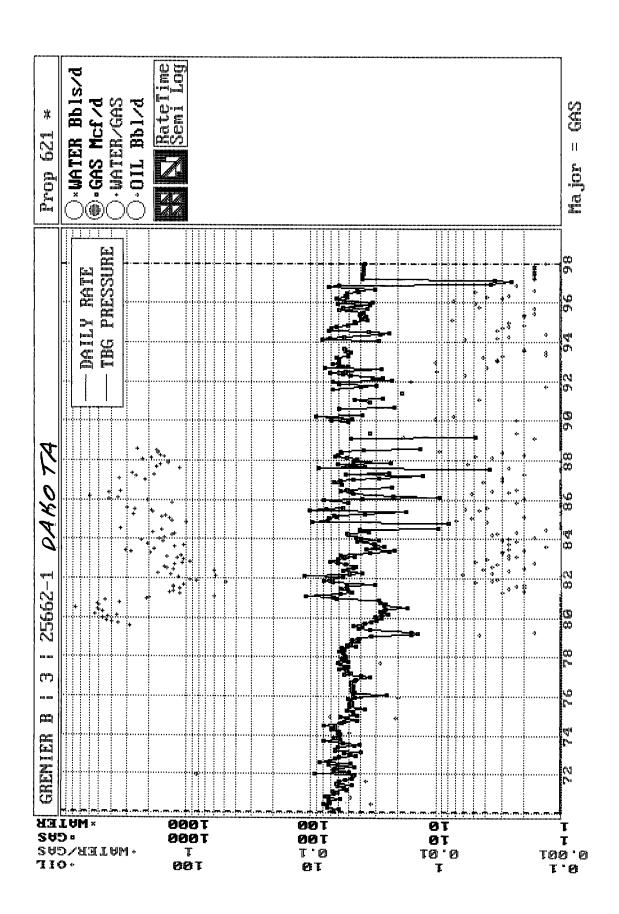
Revised February 21, 19

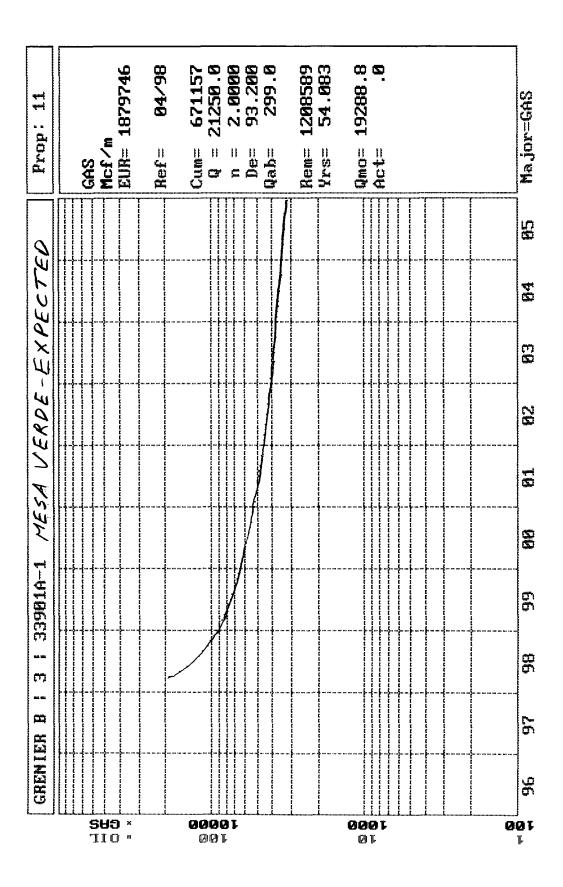
Instructions on bactor of Appropriate District Off

Submit to Appropriate District Off State Lease - 4 Cop Fee Lease - 3 Cop

AMENDED REPOF

			WELL	LOCAT	ON AND A	ACREAGE DED:	ICATION PL	.AT		
¹A	PI Number			*Pool Coo	le		³Pool Nam	e		
30-045-	-08695		anco Mesave	verde/Basin Dakota						
*Property	Code				y Name					
18532					ER B				3	
'OGRID N	<b>l</b> o .				*Operato					levation
14538			BURLI	NGTON	RESOURCE	S OIL & GAS	COMPANY			5775 '
	<u> </u>				<sup>10</sup> Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West		County
К	5	29N	10W		1225	SOUTH	2070	WES	ST .	SAN JUL
		11 B	ottom	Hole L	ocation :	If Different	From Surf	ace		<del></del>
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	line	County
MV - S/ 29	1.52	<sup>13</sup> Joint or In	fill <sup>14</sup> Cons	olidation Code	<sup>15</sup> Order No.					<del></del>
DK-S/294										
NO ALLOW	ABLE W	ILL BE A	ASSIGNE NON-ST	D TO TH	IS COMPLET UNIT HAS E	ION UNTIL ALL BEEN APPROVED	INTERESTS H BY THE DIVI	IAVE BEE SION	EN COM	NSOL IDATED
*NOT RES PREPARED BY ERNES DATED 4-	FROM ST V. E 17-69.	A PLAT	1225	           			Signatur Peggy Printed Regul Title 12-11 Date  In SURV I hereby cer Was plotted or under my	Bradf Name atory  97  EYOR Cuty that the from fight not supervision, are best of my	ield Admi CERTI	nistrat( FICATION Some shown on this real surveys made by same is true and
	//////	1111111	,,,,,	,,,,,,	///////////		Certific	ate Numb	er	
<i>8////////</i>		XIIIIIII	444044	<u> </u>			///	ace Namb	Ç1	





## Package Preparation Volume Data

Supt: 60	KEN RAYBO	ON F	F: 338 .	JOHNNY ELLI	s	MS:	327 MIKE M	CKINNEY	
Pipeline: \	WFS	Plunger:	No	Di	ual: No		Compre	essor:	Yes
<u>Ow</u>	vnership (No	Trust)		<u>Pr</u>	ior Year		<u>Cur</u>	rent <u>Year</u>	
GWI:	<u>Gas</u> 25.0000%	<u>Oil</u> 25.0000%		MCF/M	<u>BOPM</u>	<u>Days</u> <u>On</u>	MCF/M	ВОРМ	<u>Days</u> <u>On</u>
GNI:	20.8181%	20.8181%	Jan	1,013	2.0	31	78	0.0	31
			Feb	1,694	22.0	29	107	0.0	28
<u>Volumes</u>			Mar	1,972	9.0	31	1,384	0.0	31
(Days On)	MCF	BOPD	Apr	1,637	12.0	30	91	0.0	30
7 Day Avg	40	0.7	May	1,671	8.0	31	657	2.0	31
30 Day Avg	40	0.1	Jun	1,618	0.0	30	1,201	6.0	30
60 Day Avg	35	0.1	Jul	1,294	15.0	31	953	1.0	31
3 Mo Avg	33	0.1	Aug	1,349	5.0	31	1,125	1.0	31
6 Mo Avg	34	0.1	Sept	955	0.0	30	376	0.0	30
12 MoAvg	24	0.1	Oct	2,262	0.0	31	1,728	7.0	31
			Nov	1,855	7.0	30	917	6.0	30
<u>Volumes</u>			Dec	115	0.0	31	0	0.0	31
(Days in Mo	nth) MCF	BOPD	<b>T</b> -4-1	47 405	00.0		2 247	00.0	
30 Day Avg	40	0.1	Total	17,435	80.0		8,617	23.0	
60 Day Avg	35	0.1			•••••		200000000000000000000000000000000000000		
3 Mo Avg	33	0.1					Prii	n Form	
6 Mo Avg	35	0.1							
12 Mo Avg	24	0.1					Exit Vo	lumes l	Jata

# Grenier B No. 3 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

#### Version 1.0 3/13/94

Mesaverde	Dakota				
<u>MV-Current</u>	<u>DK-Current</u>				
GAS GRAVITY COND. OR MISC. (C/M)  %N2	GAS GRAVITY COND. OR MISC. (C/M)  %N2 0.27 %CO2 1.84 %H2S 0IAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) SURFACE PRESSURE (PSIA)  BOTTOMHOLE PRESSURE (PSIA)  586.1				
<u>MV-Original</u>	<u>DK-Original</u>				
GAS GRAVITY 0.709 COND. OR MISC. (C/M) M %N2 0.28 %CO2 0.56 %H2S 0 DIAMETER (IN) 4 DEPTH (FT) 4425 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 118 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 1317.2	GAS GRAVITY COND. OR MISC. (C/M)  %N2 0.27 %CO2 1.84 %H2S 0 DIAMETER (IN) 4 DEPTH (FT) 5668 SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) 147 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 1990  BOTTOMHOLE PRESSURE (PSIA) 2450.0				

Note: Since the Mesa Verde zone is a recompletion, data was utilized from the offset Grenier B No. 3E.

Page No.: 1

Page No.: 1
Print Time: Tue Jan 27 14:05:29 1998
Property ID: 2809
Property Name: GRENIER B | 3E | 25694-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF
OFFSET MESA VERDE

DATE	CUM GAS			
	Mcf	Psi		
10/31/81	0	1137.0		
05/02/82	124467	544.0		
08/24/83	249678	521.0		
04/03/84	304800	480.0		
09/17/86	442236	398.0		
08/30/89	572033	424.0		
10/21/91	649304	354.0		
11/12/91	653665	366.0		
05/31/93	718053	352.0		
11/30/97	875041	303	Estimated	

Page No.: 1
Print Time: Tue Jan 27 14:04:58 1998
Property ID: 621
Property Name: GRENIER B | 3 | 25662-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

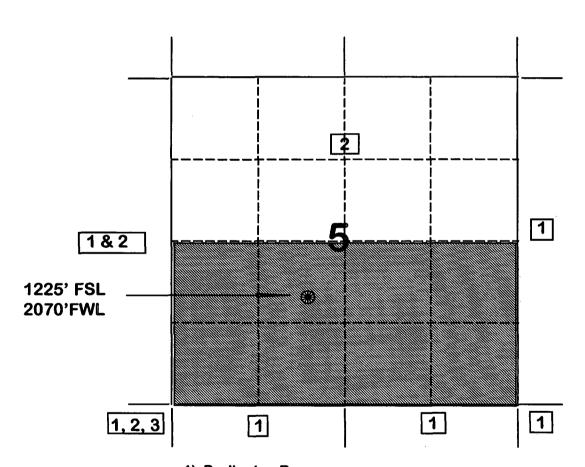
<u>DATE</u>	CUM_GAS Mcf	M_SIW <u>HP</u> Psi	
03/12/62	0	1978.0	
09/28/70	283774	895.0	
06/26/71	300873	524.0	
05/26/72	320219	486.0	
07/03/73	345140	488.0	
09/01/75	389709	583.0	
07/03/77	421071	490.0	
09/24/81	484883	595.0	
08/24/83	521981	591.0	
04/03/85	547156	535.0	Estimated
11/30/97	719658	4 <b>82.</b> 4	
.,,	(11876	10 1	

### **BURLINGTON RESOURCES OIL AND GAS COMPANY**

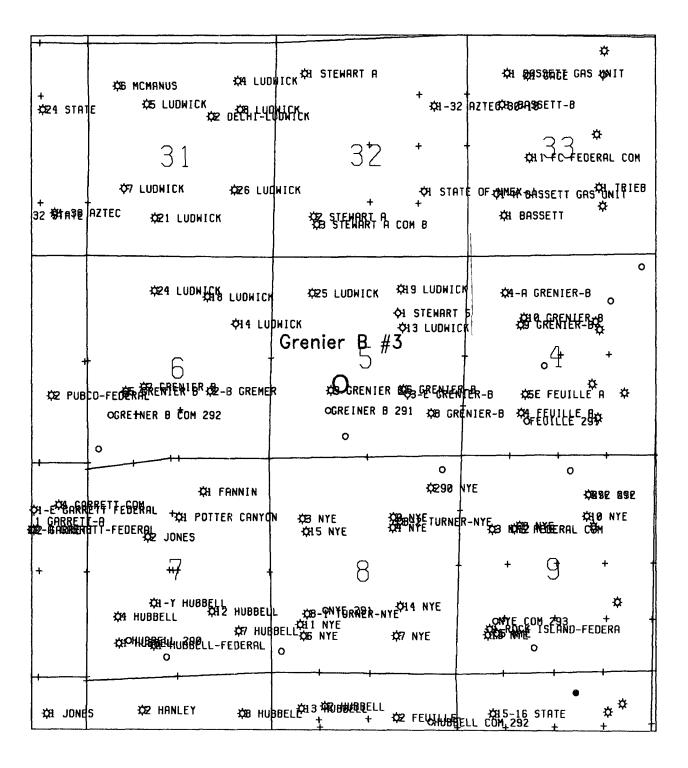
## Grenier B #3 OFFSET OPERATOR \ OWNER PLAT

## Mesaverde / Dakota Formations Commingle Well

Township 29 North, Range 10 West



- 1) Burlington Resources
- 2) Amoco Production Company c/o Bruce Zimney P.O. Box 800 Denver, CO 80201
- 3) Conoco, Inc. 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500



Grenier B #3 29N, 10W, 5 K MV / DK