' , '									
	2/30/99 SUSPENSE 1/19/00 ENGINEER DC LOGGED KN THE DHC								
	ABOVE THIS LINE FOR DIVISION USE ONLY								
	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								
Applic	cation 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 [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD Check One Only for [B] and [C] [B] Commingling - Storage - Measurement								
	λ 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]Working, Royalty or Overriding Royalty Interest Owners								
	[B] Offset Operators, Leaseholders or Surface Owner								
	[C] Application is One Which Requires Published Legal Notice								
	[D] $y_{\rm U}$ 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.

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Peggy Cole

Print or Type Name

Signature

Regulatory/Compliance Administrator

DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II t St., Artesia. NM 88210 DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410 DISTRICT IV 2040 S. Pacheco, Santa Fe, NM 87505

OGRID NO.

State of New Mexico Energy, Minerals and Natural Resources Department **OIL CONSERVATION DIVISION**

Form C-107-A Revised August 1999 **APPROVAL PROCESS:**

_Administrative ___Hearing

API NO. 30-045-XXXXX

2040 S. Pacheco Santa Fe, New Mexico 87505-6429 APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

BURLINGTON	RESOURCES	OIL &	GAS	COMPANY
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14538

Property Code_

PO BOX 4289, FARMINGTON, NM 87499

Operator		Address			
GRENIER	12M	H 13-31N-12W			
Lease	Well No.	Unit Ltr Sec - Twp - Rge			

18530

SAN JUAN County

Spacing Unit Lease Types: (check 1 or more) Federal ___X___, State __ _, (and/or) Fee

The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone BLANCO MESAVERDE – 72319	Intermediate Zone	Lower Zone BASIN DAKOTA - 71599				
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION		WILL BE SUPPLIED UPON COMPLETION				
3. Type of production (Oil or Gas)	GAS		GAS				
4. Method of Production (Flowing or Artificial Lift)	FLOWING		FLOWING				
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current	a. ^(Current) 525 psi (see attachment)		a. (Current) 866 psi (see attachment)				
All Gas Zones: Estimated Or Measured Original	b. (Singular) 915 psi (see attachment)		b. (see attachment)				
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1207		BTU 1177				
7. Producing or Shut-In?	SHUT-IN		SHUT-IN				
	NO		YES				
Production Marginal? (yes or no) * If Shut-In, give date and oil/gas/ water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:				
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date andoil/gas/ water rates of recent test (within 60 days)	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:				
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION	Oil: Gas: % WILL BE SUPPLIED UPON COMPLETION				
 If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data. 							

10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? ___X_Yes ___No

No If yes, are fluids compatible, will the formations not be damaged, will any cross-_X_ Yes 11. Will cross-flow occur? flowed production be recovered, and will the allocation formula be reliable. _X_Yes ___ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each other? _X_Yes ___No

13. Will the value of production be decreased by commingling? __Yes __X No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. __X_Yes ____ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS:
* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
* Production curve for each zone for at least one year. (If not available, attach explanation.)
* For zones with no production history, estimated production rates and supporting data.
* Data to support allocation method or formula.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE	Wayny Fletchu	TITLE	PRODUCTION ENGINEER	DATE:	12/29/99
	0				

TYPE OR PRINT NAME **B. WAYNE FLETCHER** TELEPHONE NO. 505-326-9700

____ YES ___X_ NO

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

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

District III

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number Po					le		<u></u>			'Pool Nam	е		
'Property Code					°Pr G	operty RENI	^{Name} ER					⁵ We	11 Number 12M
'OGRID N	۰. ۱۵.	f	BURLIN	NGTON	POP RESOU	erator RCES	Name OIL &	GAS	CO	MPANY		°EI E	levation 5201'
					¹⁰ Surfa	ace L	ocation						
UL or lot no. H	Section 13	Township 31N	Range 12W	Lot Idn	Feet from	n the O	North/South NORTH	line 	Fee	t from the	East/We EA	st line ST	County SAN JUAN
		11 Bc	ottom	Hole l	_ocatic	on If	Differe	ent	Fro	m Surf	асе		
Ut or lot no.	Section	Township	Range	Lot Ion	Feet from	m the	North/South	line	Fee	t from the	East/We	est line	County
¹² Dedicated Acres	<u> </u>	¹³ Jaint or Infi	11 ¹⁴ Conso	lidation Cod	a ¹⁵ Order	NO.	<u> </u>				1		I
NO ALLOW	ABLE W	ILL BE AS OR A	SSIGNED NON-ST) TO TH ANDARD	IS COMP UNIT HA	AS BEE	N UNTIL EN APPROV	ALL VED E	INTE By T	RESTS H HE DIVI	HAVE BE	EEN CON	ISOLIDATED
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2683.56	267	4.32				2594	LOT	- 6 - 7	5204	18 SURV I hereby cer was plotted or under my correct to t DECEI Date of Signature an	EYOR EYOR tify that this from field in supervision MBER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER SUPPER	CERTI e well location and that the my belief. 1, 199 EDW MEALO B 57	FICATION ion shown on this plat is surveys made by me is ame is true and 99
26/4.32				11		2581				Certific	cate Nu		6857

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe, NM 87504-2088

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

AMENDED REPORT

Grenier #12M

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Expected Production

Mesaverde Formation



Grenier #12M Expected Production

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Dakota Formation



Grenier #12M Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method Version 1.0 3/13/94

Mesaverde	Dakota				
MV-Current	<u>DK-Current</u>				
GAS GRAVITY0.695COND. OR MISC. (C/M)C%N20.26%CO20.87%H2S0DIAMETER (IN)2.375DEPTH (FT)5268SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)459BOTTOMHOLE PRESSURE (PSIA)524.6	GAS GRAVITY0.695COND. OR MISC. (C/M)C%N20.27%CO22.07%H2S0DIAMETER (IN)2.375DEPTH (FT)7137SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)198FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)726BOTTOMHOLE PRESSURE (PSIA)866.4				
<u>MV-Original</u>	<u>DK-Original</u>				
GAS GRAVITY0.695COND. OR MISC. (C/M)C%N20.26%CO20.87%H2S0DIAMETER (IN)2.375DEPTH (FT)5268SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)137FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)794BOTTOMHOLE PRESSURE (PSIA)915.0	GAS GRAVITY0.695COND. OR MISC. (C/M)C%N20.27%CO22.07%H2S0DIAMETER (IN)2.375DEPTH (FT)7137SURFACE TEMPERATURE (DEG F)60BOTTOMHOLE TEMPERATURE (DEG F)198FLOWRATE (MCFPD)0SURFACE PRESSURE (PSIA)1935BOTTOMHOLE PRESSURE (PSIA)2359.8				

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<u>Grenier #12M</u> Mesaverde Offset

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Well Name	<u>Date</u>	Pressure
GRENIER 3A	04/07/77	794
GRENIER 3A	04/02/78	620
GRENIER 3A	08/24/80	528
GRENIER 3A	07/24/84	510
GRENIER 3A	08/22/84	532
GRENIER 3A	07/16/86	513
GRENIER 3A	06/10/89	479
GRENIER 3A	05/15/91	447
GRENIER 3A	07/15/91	459

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Grenier #12M

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Dakota Offset

Well Name	<u>Date</u>	Pressure
GRENIER 11	07/10/62	1,935
GRENIER 11	04/17/70	747
GRENIER 11	06/17/71	699
GRENIER 11	04/17/72	669
GRENIER 11	05/01/73	654
GRENIER 11	04/17/75	686
GRENIER 11	06/17/76	714
GRENIER 11	05/16/77	670
GRENIER 11	05/01/79	627
GRENIER 11	05/01/80	717
GRENIER 11	06/24/81	740
GRENIER 11	08/24/83	847
GRENIER 11	05/29/85	818
GRENIER 11	01/13/88	735
GRENIER 11	06/07/90	797
GRENIER 11	04/01/95	744
GRENIER 11	03/31/94	726

Grenier #12M Mesaverde / Dakota 31N - 12W - 13

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