D-YE IN	2/24/97	SUSPENSE LOGGED KV TYPE DHC
		ABOVE THIS LINE FOR DIVISION USE ONLY
		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSH	EET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applic	(PC-P	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] whole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] alified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF A [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD
	Check [B]	Cone Only for [B] and [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
[2]	NOTIFICA [A]	FION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Gifset 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]	General of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	U Waivers are Attached
[3]	INFORMA	FION / 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 con	npleted by an individual with supervisory capacity.	
Peggy Bradfield	Shadfued	Regulatory/Compliance Administrator	2-20-97
Print or Type Name	Signature	Title	Date



SAN JUAN DIVISION

February 20, 1997

SENT FEDERAL EXPRESS

Mr. William LeMay New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: San Juan 28-6 Unit #115M 1190'FSL, 850'FEL Section 3, T-27-N, R-06-W, Rio Arriba County, NM API #30-039-25627

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. This is a new drill Mesa Verde/Dakota well for the 1997 Program.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

- 1. Form C107A Application for Downhole Commingling;
- 2. C-102 plat for each zone showing its spacing unit and acreage dedication;
- 3. Expected production curve for both Mesa Verde and Dakota;
- 4. Notification list of offset operators Burlington is the operator of the unit;
- 5. Shut in wellhead pressure and calculated down hole pressure of surrounding wells;
- 6. Nine-section plats for the Mesa Verde and Dakota.

Notification of Mesa Verde and Dakota interest owners is covered under Order R-10696 dated November 7, 1996.

We will consult with the Supervisor of the Aztec District Office of the New Mexico Oil Conservation Division to establish an allocation formula.

Please let me know if you require additional data.

Sincerely. Stadfuld

Peggy Bradfield Regulatory/Compliance Administrator

xc: Bureau of Land Management

DISTRICT I

1

P.O. Box 1980, Hobbs, NM 88241-1980 DISTRICT II 811 South First St., Artesia, NM 88210-2835 **DISTRICT III** 1000 Rio Brazos Rd, Aztec, NM 87410-1693

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

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

Form C-107-A New 3-12-96 **APPROVAL PROCESS** : _X_ Administrative ____Hearing **EXISTING WELLBORE** __YES __x_NO

APPLICATION FOR DOWNHOLE COMMINGLING

PO Box 4289, Farmington, NM 87499

Operator	Derator Address						
San Juan 28-6 Unit	115M	P 3-27-6	Rio Arriba				
Lease	Well No.	Unit Ltr Sec - Twp - Rge	County				
			Spacing Unit Lease Types: (check 1 or more)				

OGRID NO. _14538_____ Property Code __7462___ API NO. _30-039-25627__Federal _x____ , State ____

Burlington Resources Oil & Gas Company

_, (and/or) Fee

___Yes __x__No __Yes __x__No _x_Yes ___No

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		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	(Current) a. 732 psi (see attachment)	a.	a. 1069 psi (see attachment)
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1312 psi (see attachment)	Ь.	b. 3098 psi (see attachment)
6. Oil Gravity ([°] API) or Gas BTU Content	BTU 1204		BTU 1060
7. Producing or Shut-In?	shut in		shut in
Production Marginal? (yes or no)	no		yes
* If Shut-In and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: n/a Rates:	Date: 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: %	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. _Yes ____Yes ___

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? Have all offset operators been given written notice of the proposed downhole commingling?

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

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). ____ Reference Order R-10696 attached_

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 all offset operators.
* 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.

	s G. Str		DATE2/20/	97
TYPE OR PRINT NA	ME James A. Smith	TELEPHONE NO. (505) 326	.9700	

Justict f O Hox 1980, Hobbs, NM 88241-1980 Justict fl O Drawer DD, Artonia, NM 88211-0719 Justict III 000 Rio Bruzon Rd., Aztee, NM 87410 Justict IV O Rox 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Netural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088

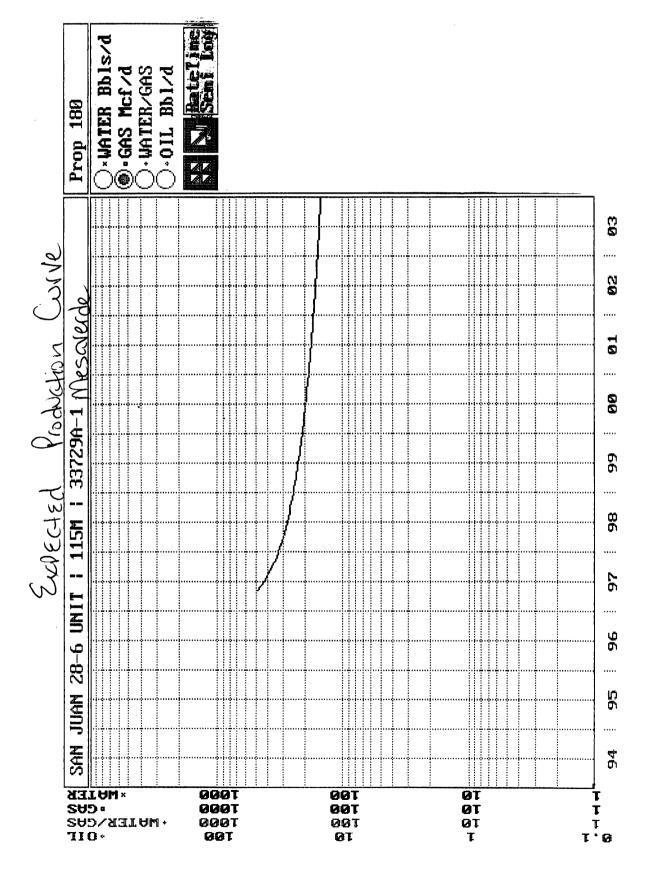
Santa Fe, NM 87504-2088

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

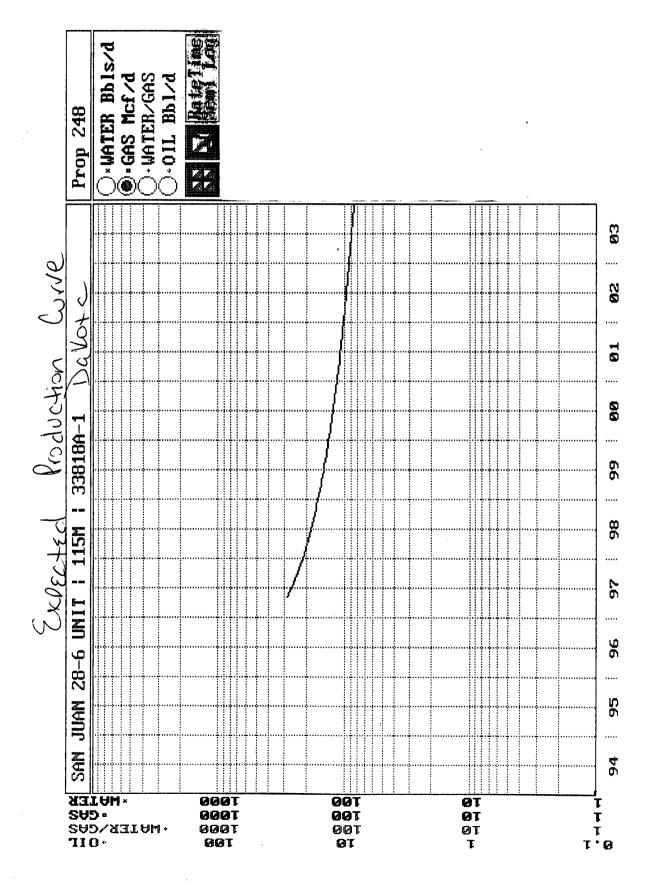
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number ² Pool Code ³ Pool Name 30 - 039 -72319/71599 Blanco Mesaverde/Basin Dakota * Property Code ¹ Property Name . Well Number San Juan 28-6 Unit 115M 7462 'OGRID Ne. * Operator Name Eleveties BURLINGTON RESOURCES OIL & GAS COMPANY 6260' 14538 ¹⁰ Surface Location Feet from the North/South line UL or lot no. Section Township Ronge Lot Ida Feet from the East/West time County Ρ 3 27-N 6-W 1190 South 850 East R.A. ¹¹ Bottom Hole Location If Different From Surface Feet from the Lot Ida Feet from the North/South line UL or lot so. Section Township Range East/West line County " Dediented Acres " Joint or Infill | " Consolidation Code | " Order No. DK-S/320 MV-E/320.28 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 ¹⁷ OPERATOR CERTIFICATION 16 5280.00' I hereby certify that the information contained herein is true and complete to the best of my **insulates and belief** 2 hadhuld SF-079051-A Signature Peggy Bradfield **Printed Name** Regulatory Administrator Tille 2.20-97 0 6 Date ¹³SURVEYOR CERTIFICATION m d from field notes of actual surv and a base with r my supervision, and that the same is true and n of my belief. 10/19/96 Date of Surve C. E0m SF-079049-B Sign 850' 885) Ì Centilies 5227.20'

J. . .



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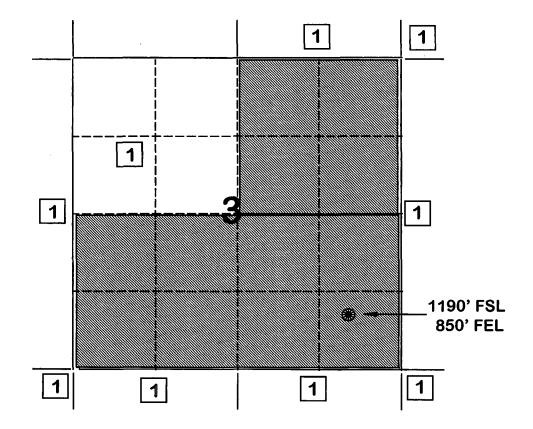
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BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 28-6 Unit #115M OFFSET OPERATOR \ OWNER PLAT

Mesaverde (E/2)/Dakota (S/2) Formations Commingle Well

Township 27 North, Range 6 West



1) Burlington Resources Oil and Gas Company

Page No.: 1 Print Time: Thu Feb 13 15:55:18 1997 Property ID: 4073 Property Name: SAN JUAN 28-6 UNIT | 75 | 49889A-1 SJ 28-6 #115m Table Name: K:\ARIES\RR97PDP\TEST.DBF Offset

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02/08/57	0	1119.0 - original
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01/23/58	34000	944.0
11/06/58	90000	861.0
06/14/59	138000	853.0
06/14/60	202000	837.0
06/13/61	257000	794.0
09/24/62	314000	816.0
05/06/63	346000	757.0
04/22/64	386000	768.0
05/03/65	433000	730.0
06/07/66	488000	701.0
05/25/67	534000	677.0
05/27/68	588000	632.0
07/28/70	672566	658.0
06/21/71	712310	613.0
06/07/72	757230	607.0
05/02/74	825338	627.0
04/29/76	889909	623.0
05/23/78	961037	612.0
06/04/80	1021894	619.0
05/20/82	1074148	597.0
05/09/89	1194848	622.0
05/20/91	1224993	627.0
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FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD VERSION 1.0 3/13/94

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GAS GRAVITY	0.715
COND. OR MISC. (C/M)	C
%N2	0.66
%CO2	0.93
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	5468
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1119
BOTTOMHOLE PRESSURE (PSIA)	1312.0

SAN JUAN 29-7 UNIT #58 MESAVERDE - ORIGINAL

FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD VERSION 1.0 3/13/94

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GAS GRAVITY	0.705
COND. OR MISC. (C/M)	C
%N2	0.35
%CO2	0.71
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	5184
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	150
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	639
BOTTOMHOLE PRESSURE (PSIA)	732.2

SAN JUAN 28-6 UNIT #75 MESAVERDE - CURRENT

BHPMVCUR.XLS

Jakota

Page No.: 1 Print Time: Thu Feb 13 15:55:51 1997 Property ID: 1833 Property Name: SAN JUAN 28-6 UNIT | 115 | 51500A-1 55 28-6 #115 M Table Name: K:\ARIES\RR97PDP\TEST.DBF

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Offset

--DATE-- ---CUM_GAS-- M_SIWHP

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05/27/67	204000	878.0
05/27/68	265000	844.0
08/18/69	335943	806.0
07/28/70	377211	939.0
06/21/71	425587	832.0
06/07/72	469493	912.0
05/05/75	597221	748.0
07/05/77	686453	714.0
08/21/79	768482	760.0
08/12/81	847006	773.0
09/28/83	912643	954.0
09/04/85	978374	836.0
10/05/88	1037789	984.0
05/08/90	1090577	650.0
04/29/92	1146993	909.0 Current

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FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD VERSION 1.0 3/13/94

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GAS GRAVITY	0.617
COND. OR MISC. (C/M)	C
%N2	0.26
%CO2	1.11
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	7392
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2604
BOTTOMHOLE PRESSURE (PSIA)	3097.5

SAN JUAN 28-6 UNIT #115 DAKOTA -ORIGINAL

FLOWING AND STATIC BHP CULLENDER AND SMITH METHOD VERSION 1.0 3/13/94

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GAS GRAVITY	0.617
COND. OR MISC. (C/M)	C
%N2	0.26
%CO2	1.11
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	7392
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	909
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BOTTOMHOLE PRESSURE (PSIA)	1069.3

SAN JUAN 28-6 UNIT #115 DAKOTA - CURRENT

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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. 11628 ORDER NO. R-10696

APPLICATION OF BURLINGTON RESOURCES OIL & GAS COMPANY FOR THE ESTABLISHMENT OF A DOWNHOLE COMMINGLING "REFERENCE CASE" FOR ITS SAN JUAN 28-6 UNIT PURSUANT TO DIVISION RULE 303.E. AND THE ADOPTION OF SPECIAL ADMINISTRATIVE RULES THEREFOR, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on October 17 and November 7, 1996, at Santa Fe, New Mexico, before Examiners David R. Catanach and Michael E. Stogner, respectively.

NOW, on this 12th day of November, 1996, 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) The applicant, Burlington Resources Oil & Gas Company (Burlington), pursuant to the provisions of Division Rule 303.E., seeks to establish a downhole commingling "reference case" to provide exceptions for (a) marginal economic criteria, (b) pressure criteria, (c) allocation formulas and (d) modification of notification rules on a unit-wide basis for downhole commingling of Dakota, Mesaverde, Fruitland Coal and Pictured Cliffs gas production within existing or future drilled wells within the San Juan 28-6 Unit, San Juan County, New Mexico.

(3) Division Rule No. 303.E., amended by Order No. R-10470-A, currently states:

CASE NO. 11628 Order No. R-10696 Page -3-

- c) establish a "reference case" whereby the Division utilizes the data presented in the immediate case to endorse or approve certain methods of allocating production whereby the applicant need not submit additional data or justification when proposing a certain method of allocating production on Form C-107-A's subsequently filed for wells within the San Juan 28-6 Unit; and,
- d) establish a "reference case" or an administrative procedure for authorizing the downhole commingling of existing or future drilled wells within the San Juan 28-6 Unit without additional notice to each affected interest owner as required by Division Rule No. 303.D.

(7) In support of its request to except marginal economic criteria, the applicant presented geologic and engineering evidence and testimony which indicates that within the San Juan 28-6 Unit:

- a) the structure and thickness of the Dakota and Pictured Cliffs formations are very consistent;
- b) the average recoverable Dakota and Pictured Cliffs gas reserves underlying an undeveloped drill block are approximately 449 MMCFG and 186 MMCFG, respectively;
- c) the average initial producing rate for a newly drilled or recompleted Dakota and Pictured Cliffs gas well is approximately 254 MCFGD and 216 MCFGD, respectively; and,
- d) the estimated ultimate gas recoveries and initial producing rates from the Dakota and Pictured Cliffs formations are insufficient to justify drilling stand alone wells and/or dually completed wells to recover such gas reserves.

(8) The evidence and testimony presented by the applicant indicates that the Dakota and Pictured Cliffs formations within the San Juan 28-6 Unit should be properly classified as "marginal".

(9) In support of its request to except pressure criteria within the Dakota and Pictured Cliffs formations within the San Juan 28-6 Unit, the applicant presented engineering evidence and testimony which indicates that:

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- c) providing notice to each interest owner within the San Juan 28-6 Unit of subsequent downhole comminglings is unnecessary and is an excessive burden on the applicant;
- d) the downhole commingling of wells within the San Juan 28-6 Unit Area will benefit working, royalty, and overriding royalty interest owners. In addition, the downhole commingling of wells within the San Juan 28-6 Unit should not violate the correlative rights of any interest owner;
- e) no interest owner appeared at the hearing in opposition to the establishment of a "reference case" or administrative procedure for notice.

(14) An administrative procedure should be established within the San Juan 28-6 Unit for obtaining approval for subsequent downhole commingled wells without notice to Unit interest owners, provided however that, all other provisions contained within Division Rule No. 303.C. are complied with.

(15) Approval of the proposed "reference cases" for marginal economic criteria, pressure criteria, allocation formulas and notice will lessen the burden on the applicant insofar as providing the data required pursuant to Division Rule No. 303.D. and Form C-107-A, will provide the applicant a streamlined method for obtaining downhole commingling approvals within the San Juan 28-6 Unit, and will not violate correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The application of Burlington Resources Oil & Gas Company to establish a "reference case" for (a) marginal economic criteria, (b) pressure criteria, (c) allocation formulas and (d) modification of notification rules on a unit-wide basis for downhole commingling of Dakota, Mesaverde, Fruitland Coal and Pictured Cliffs gas production within existing or future drilled wells within the San Juan 28-6 Unit, San Juan County, New Mexico, is hereby approved.