DISTRICT

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

APPROVAL PROCESS:

X Administrative ___Hearing

EXISTING WELLBORE

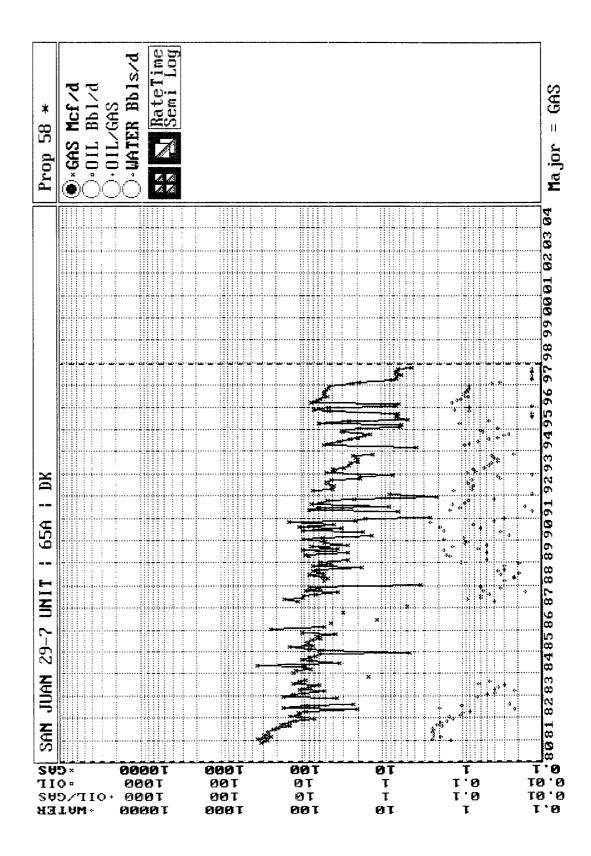
APPLICATION FOR DOWNHOLE COMMINGLING X_YES __NO

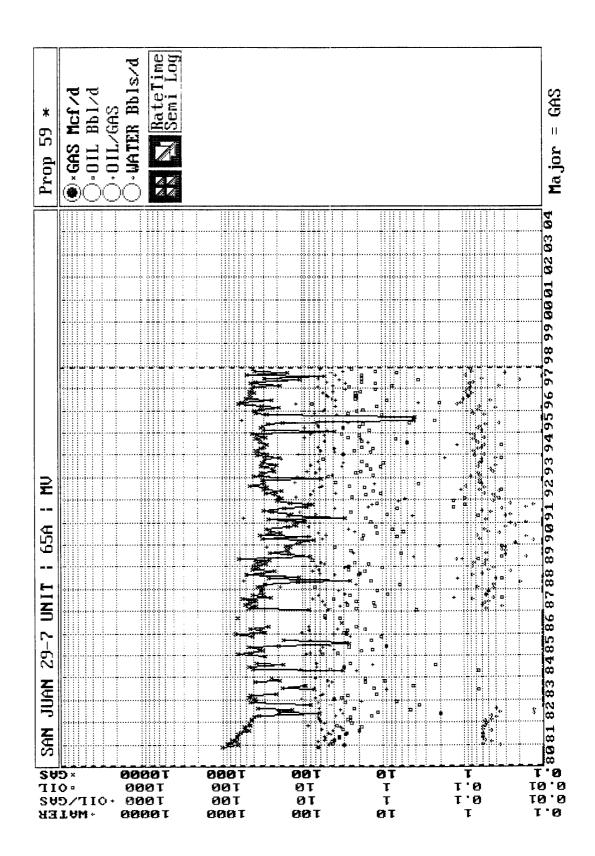
Sam Juan 29-7 Unit #65-A J-22-29N-07W Rio Arriba Sam Juan 29-7 Unit #65-A J-22-29N-07W Rio Arriba Commy	Burlington Resources C	oil and Gas		Box 4289, Fa	rmington,	NM 87499	
OGRID NO. 14538. Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-21917. Federal X., State Fee 18 Property Code 7465. API NO. 30-039-319-319. API NO. 30-039-319-319-319. API NO. 30-039-319-319-319. API NO. 30-039-319-319-319-319-319-319-319-319-319-3		#65-A			Ri	o Arriba	
The following facts are submitted Fee The following facts are submitted The following facts The	.0.850	Well No.	Unit Ltr Sec - Tv	vp - Rge		•	or more)
Pool Name and Pool Code	OGRID NO. <u>14538</u> Property	Code7465	API NO.	_30-039-21917			· ·
Pool Name and Pool Code	The following facts are submitted in support of downhole and commingling:	Uppe Zon ⇒ k	er	Intermed Zoña	iate i	kow Zon	7
Figure F	1. Pool Name and	Mesa Verde – 723	319				
4. Method of Production (Flowing or Artificial Lift) 5. Bottomhole Pressure Oil Zones - Artificial Lift: Oil Gravity (FaPl) or Gas BTU 1026 Date: 1047 Rates: 6.1 morid Rates: 6.2 morid Oil galwater water of recent test (Willin 60 days) Oil Sone of Control Control B. Fixed Percentage Allocation Formula - X for each Zone (Iotal of X to equal 1009) Will be supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied upon completion. Production formula is based upon something other than current or past production, or is based upon some other maturing about the supplied	Top and Bottom of Pay Section (Perforations)	5236'-6113'	jo	VEGETA	(信))	7822'-8008'	
Section Sect	3. Type of production (Oil or Gas)	Gas		MAR - 4 15	198	Gas	
S. Bottomhole Pressure Oil Zones - Artificial stiff: (See & All Current) (See & Oil - Flowing: All Gaz Zones: Measured Current Estimated or Measured Original) (See & Stateshment) (See &	4. Method of Production (Flowing or Artificial Lift)	Flowing			DIV.	Flowing	
Comparison Com	Oil Zones - Artificial Lift:	a. 435 psi		24080		a. 256 psi (see at	tachment)
6. Oil Gravity (*API) or Gas BTU Content 7. Production or Shut-in? Production Marginal? (yes or no) * If Shut-in and oil/gas/water rates of last production * If Shut-in and oil/gas/water rates of last production * If Producing, give data and oil/gas/water rates of last production * If Producing, give data and oil/gas/water rates of last production * If Producing, give data and oil/gas/water rates of last production * If Producing, give data and oil/gas/water water of recent test * If Producing, give data and oil/gas/water water of recent test * If Producing, give data and oil/gas/water water of recent test * If Producing, give data and oil/gas/water water of recent test * If Producing, give data and oil/gas/water water of recent test * If Producing, give data and oil/gas/water water of recent test * If allocation formula is based upon something other than current or past production, or is based upon some other mature test of the proposed of the producing rate production 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? Yes X No Have all offset operators been given written notice of the proposed downhole commingling? Yes X No Have all offset operators been given written notice of the proposed downhole commingling? Yes X No 11. Will cross-flow occur? X Yes No if yes, are fluids compatible, will the formations not be damaged, will any cross-f production be recovered, and will the allocation formula be reliable. X yes No if Yes, 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 No, attach explanation) 14. If this well is on, or communitized with, state or federal lands, sighter the Commissioner of Public Lands or the United is Bureau of Land Management has been notified in writing of this application.	Gas & Oil - Flowing: Measured Current All Gas Zones:	(Original) b. 820 psi (see attachment)	1			b. 2169 psi (see a	ttachment)
Production Marginal? (yes or no) * If Shut-in and oil/gas/water rates of last production * No * If Shut-in and oil/gas/water rates of last production * Note: for new power decided by the production rates of last production * Note: for new power decided by the production rates of last production gets gets of last production gets gets gets gets gets gets gets gets	6. Oil Gravity (°API) or	BTU 1200		-		BTU 1026	
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Formula -% for each zone (total of %'s to equal 100%) 9. If allocation formula is based upon something other than current or past production, or is based upon some other my 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? Yes _X No Have all offset operators been given written notice of the proposed downhole commingling? Yes _No Have all offset operators been given written notice of the proposed downhole commingling? Yes _No No Have all production be recovered, and will the allocation formula be reliableX_ YesNo (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 Sureau of Land Management has been notified in writing of this application Yes No 15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S)Reference Order # R-10697 16. ATTACHMENTS: * C-102 for each zone to be commingled showing its spacing unit and acreage dedication. * Por zones with no production history, estimated production rates and supporting data. * Data to support allocation method or formula. * Notification list of all offset operators. * Any additional statements, data, or documents required to support commingling.	* If Producing, give data and oil/gas/water water of recent test	Date: 12/97 Rates: 362 mcfd 0.8 bopd				Rates: 0.0 mcfd	
If not, have 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? Yes _X_No Have all offset operators been given written notice of the proposed downhole commingling? Yes _No Have all offset operators been given written notice of the proposed downhole commingling? Yes _No Have all offset operators been given written notice of the proposed downhole commingling? Yes _No Have all productions occur? _X_Yes _No If yes, are fluids compatible, will the formations not be damaged, will any cross-f production be recovered, and will the allocation formula be reliableX_YesNo (If No, attach explanation) 12. Are all produced fluids from all commingled zones compatible with each other? _X_YesNo (If Yes, attach explanation) 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 Sureau of Land Management has been notified in writing of this applicationX_YesNo 15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S)Reference Order # R-10697 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.	Formula -% for each zone	Will be supplied upon	n completion.			Will be supplied upor	completion.
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13. Will the value of production be decreased by commingling?Yes _X_No	•						on)
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hereby certify that the information above is true and complete to the best of my knowledge and belief.	16. ATTACHMENTS: * C-102 for each zone * Production curve fo * For zones with no p * Data to support allo * Notification list of a * Notification list of w * Any additional state	e to be commingled or each zone for at roduction history, ocation method or i ll offset operators. orking, overriding ements, data, or do	d showing its spleast one year estimated proc formula. , and royalty in	pacing unit and ac (If not available, duction rates and s sterests for uncomi ired to support con	reage dedicat attach explana upporting dat mon interest c nmingling.		
SIGNATURE - ON CONTROL OF CONTROL	I hereby certify that the infor	mation abo ve i s	true and co	mplete to the be	st of my kno	wledge and be	

TYPE OR PRINT NAME L. Tom Loveland TELEPHONE NO. (_505_) __326-9700____

All al Ences must be from the outer boundaries of the SectCAT 1 stutor Well No. EL PASO NATURAL GAS COMPANY SAN JUAN 29-7 UNIT (SF-078424) 65A Unit Letter Section County 22 29N 7W RIO ARRIBA Actual Footage Location of Well: 1870 1760 South fuet from the East lice and feet from the Ground Level Elev. Producing Feinlatton Basin Dakota 320.00 Dedicated Arringer 6772 Mesa Verde - Dakota Blanco Mesa Verde 320.00 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? If answer is "yes," type of consolidation X Yes Unitization If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION THIS PLAT IS REISSU. NOTE: TO SHOW DUAL COMPLETION I hereby certify that the information MESA VERDE & DAKOTA. 3-27tained herein is true and complete t #65 best of my knowledge and belief .0 Company Sec I hereby certify that the well location SF-078424 shown on this plat was platted from field 17601 under my supervision, and that the same is true and correct to the best of my knowledge and belief. DURANGO, COLO. 8101

3950





San Juan 29-7 Unit #65A Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

Version 1.0 1/14/98

Mesaverde	Dakota
MV-Current	<u>DK-Current</u>
GAS GRAVITY COND. OR MISC. (C/M) C %N2 0.24 %CO2 0.94 %H2S 0 DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 434.7	GAS GRAVITY COND. OR MISC. (C/M) %N2 0.10 %CO2 1.61 %H2S 0 DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 256.0
MV-Original	DK-Original
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 819.6	GAS GRAVITY 0.601 COND. OR MISC. (C/M) C %N2 0.10 %CO2 1.61 %H2S 0 DIAMETER (IN) 2.375 DEPTH (FT) 7915 SURFACE TEMPERATURE (DEG F) 60 BOTTOMHOLE TEMPERATURE (DEG F) 198 FLOWRATE (MCFPD) 0 SURFACE PRESSURE (PSIA) 1812 BOTTOMHOLE PRESSURE (PSIA) 2169.0

Page No.: 1
Print Time: Mon Feb 09 15:10:00 1998

Property ID: 59
Property Name: SAN JUAN 29-7 UNIT | 65A | MV
Table Name: S:\ARIES\1MXJ\TEST.DBF

DATECUM_OIL Bbl	CUM_GAS Mcf	M_SIWHP Psi		
07/27/80 09/02/80 12/04/80 08/12/81 05/13/82 08/21/84 10/03/86 05/21/89 02/18/91 07/15/91 06/01/93	0 31447 214317 326424 502364 687082 983085 1092667 1118778 1288184	707.0 708.0 582.0 458.0 484.0 502.0 507.0 524.0 535.0 547.0	Original Current estimated from P/2	e data
12/31/97	1 / 100	270.0	Carrent	

Page No.: 1
Print Time: Mon Feb 09 15:10:12 1998

Property ID: 58
Property Name: SAN JUAN 29-7 UNIT | 65A | DK
Table Name: S:\ARIES\1MXJ\TEST.DBF

	M_OILCUM_GAS Bbl Mcf	M_SIWHP Psi			
08/26/80 09/02/80 12/04/80 08/12/81 02/10/83 02/13/84 10/10/85 10/10/88 04/16/93	0 9656 77637 128426 151286 206269 258136 326247 367303	1813.0 1722.0 557.0 646.0 580.0 673.0 462.0	Origina Current	estimated from P	1/2 data

FARMINGTON 1997 MONTHLY PRODUCTION FOR 69352 PHS030M1

SAN JUAN 29-7 UNIT 65A

BLANCO MESAVERDE (PRORATED GAS FIELD MESAVERDE ZONE

			DAYS	=====	OIL ===	====	======	=====	GAS	:=====	======		
МО	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PROD	С
1				02	77		01	12356		1192	15.025	25	
2				02	23		01	5606		1192	15.025	11	
3				02	37		01	13179		1192	15.025	26	
4				02	54	57.4	01	11331		1192	15.025	23	
5				02	11		01	3235		1192	15.025	6	
6	2	F	27	02	55		01	9030	27	1192	15.025	18	
7	2	F	31	02			01	1601	31	1192	15.025	3	
8	2	F	31	02	54		01	14531	31	1192	15.025	29	
9	2	F	30	02	20		01	4597	30	1192	15.025	9	
10	2	F	31	02	37	59.0	01	11979	31	1192	15.025	24	
11	2	F	30	02	73		01	12558	30	1192	15.025	25	
12	2	F	31	02	26		01	11208	31	1200	15.025	22	
					26÷	31= (bg 20 4 8.	11208:	31=	361.5,	ncfd		

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0 PRS 02/04/98

PHS030M1 1997 MONTHLY PRODUCTION FOR 69351 FARMINGTON

SAN JUAN 29-7 UNIT 65A

BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

	DAY	S =====	OIL ===	====	=======	=====	GAS	======	======			
MO T S	S ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER E	?ROD	С
1					01	729		1026	15.025		13	
2					01	575		1026	15.025		10	
3					01	227		1026	15.025		4	
4					01	199		1026	15.025		4	
5					01	199			15.025		4	
6 2 1	F 27				01	174	27		15.025		3	
7 2 1	F 31				01	199	31		15.025		4	
8 2 1	F 31				01	199	31		15.025		4	
9 2	F 30				01	193	30		15.025		4	
10 2 3	s 21				01	129	21		15.025		2	
11 2	S				01	0			15.025			
12 2	S				01	0			15.025			
									129 + 21 =	= 6.1 MCFD		•

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

00/00/00 00:00:00:0 PRS 02/04/98

PF9 - DISPLAY MONTHLY INJECTION

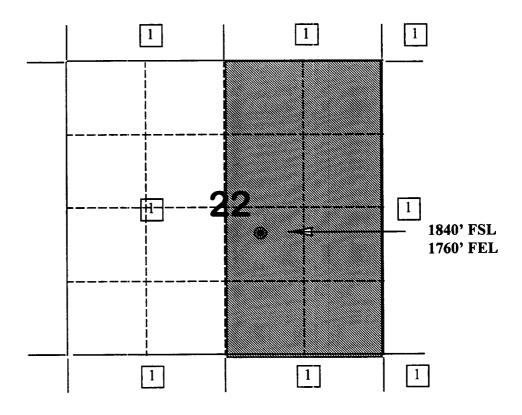
BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 29-7 Unit #65A

OFFSET OPERATOR/OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 29 North, Range 7 West



1) Burlington Resources

91	102A ₩	56 ©	54A ᅟᅟᅟᅟ ❷		
16 129M ⊕ 92 <mark>92R</mark> 92 9 129	102R15	56A ⇔	1 4 54 ₩	62A ₩	29 © !
130M \$\text{\$\exiting{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exiting{\$\text{\$\}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	66A	65 �	67A \$ 23	75 ⊕ }	
:3221 51 <u>∞</u> ♥ 50A ♥	SAN JUAN 66	29−7 ∰	#65A 67 ©	75A �	
124M 40E	128M	53 ©	587 &	72 ⊕	,
124 28 40A 41	59 B B	53A ❸	58 \$	123M ES 123	
114 ^V 77 88 77E ⊠ ©		60 ©		30E	

PLH 12/11/97

SAN JUAN 29-7 #65A SEC. 22 T29N, R7W MESAVERDE/DAKOTA

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. 11629 ORDER NO. R-10697

APPLICATION OF BURLINGTON RESOURCES OIL & GAS COMPANY FOR THE ESTABLISHMENT OF A DOWNHOLE COMMINGLING "REFERENCE CASE" FOR ITS SAN JUAN 29-7 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 8th 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 29-7 Unit, San Juan County, New Mexico.
- (3) Division Rule No. 303.E., amended by Order No. R-10470-A, currently states:

"If sufficient data exists on a lease, pool, formation, geographic area, etc., so as to render it unnecessary to repeatedly provide such data on Form C-107-A, an operator may except any of the various criteria required under Paragraph 303.D. of this rule by establishing a "reference case". The Division, upon its own motion, or by application from an operator, may establish "reference cases" either administratively or by hearing. Upon Division approval of such "reference cases" for specific criteria, subsequent applications to downhole commingle (Form C-107-A) will be required only to cite the Division order number which established such exceptions and shall not be required to submit data for those criteria."

- (4) The applicant is the current operator of the San Juan 29-7 Unit which encompasses some 22.500 acres in Township 29 North, Range 7 West, NMPM, San Juan County, New Mexico.
- (5) Within the San Juan 29-7 Unit, the applicant currently operates fifty-five (55) Basin-Dakota Gas Pool wells, one hundred thirty-one (131) Blanco-Mesaverde Gas Pool wells, thirteen (13) Blanco-Pictured Cliffs and South Blanco-Pictured Cliffs Gas Pool wells, and forty-nine (49) Basin-Fruitland Coal Gas Pool wells.
 - (6) According to its evidence and testimony, Burlington seeks to:
 - establish a "reference case" for marginal economic criteria in the Dakota and Pictured Cliffs formations whereby these formations and/or pools may be identified as "marginal" on Form C-107-A's subsequently filed for wells within the San Juan 29-7 Unit. The applicant further proposes that the data provided in the immediate case serve as supplemental data or confirmation that these formations and/or pools should be classified as "marginal";
 - b) establish a "reference case" for pressure criteria in the Dakota and Pictured Cliffs formations whereby the Division may utilize data provided in the immediate case to verify the pressure data provided on Form C-107-A's subsequently filed for wells within the San Juan 29-7 Unit;
 - 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 29-7 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 29-7 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 29-7 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 245 MMCFG and 76 MMCFG, respectively;
 - the average initial producing rate for a newly drilled or recompleted Dakota and Pictured Cliffs gas well is approximately 218 MCFGD and 238 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 29-7 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 29-7 Unit, the applicant presented engineering evidence and testimony which indicates that:
 - a) the average shut-in bottomhole pressure within the Dakota and Pictured Cliffs formations at the time of initial development was approximately 3.209 psi and 1.148 psi, respectively; and,
 - the average current shut-in bottomhole pressure within the Dakota and Pictured Cliffs formations is approximately 952 psi and 655 psi, respectively.

- (10) There is sufficient pressure data available within the San Juan 29-7 Unit so as to except pressure criteria as proposed by the applicant.
- (11) The applicant testified that various allocation methods will be utilized for downhole commingled wells within the San Juan 29-7 Unit depending on the circumstances. Some of the methods and circumstances are described as follows:
 - a) the subtraction method will likely be utilized in those instances involving the Basin-Fruitland Coal Gas Pool and in those instances where a zone with a well established decline rate is commingled with a newly completed zone;
 - b) a fixed allocation formula will be utilized in those instances where production history for both zones is available, or in those instances where newly completed zones are tested and stabilized flow rates obtained.
- (12) The allocation methods proposed by the applicant are routinely utilized by industry and approved by the Division and therefore, the proposal to except allocation formulas should be approved.
- (13) In support of its request to establish a "reference case" or administrative procedure for providing notice within the San Juan 29-7 Unit the applicant presented evidence and testimony which indicates that:
 - a) the interest ownership between two zones within a given weilbore in the San Juan 29-7 Unit is generally not common:
 - b) pursuant to Division Rule No. 303.D., applicant is currently required to notify all interest owners within the San Juan 29-7 Unit every time a Form C-107-A is submitted to the Division. There are a considerable number of such interest owners within the unit;
 - c) providing notice to each interest owner within the San Juan 29-7
 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 29-7 Unit Area will benefit working, royalty, and overriding royalty interest owners. In addition, the downhole commingling of wells within the San Juan 29-7 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 29-7 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 29-7 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 29-7 Unit, San Juan County, New Mexico, is hereby approved.
- (2) Upon filing of Division Form No. C-107-A's for wells subsequently downhole commingled within the San Juan 29-7 Unit Area, the applicant shall not be required to submit supporting data to justify the classification of the Pictured Cliffs and Dakota formations as "marginal", supporting data to verify the Pictured Cliffs and Dakota pressure information provided, and support or justification for utilizing a given method or formula for allocation of production, provided however, in the event any of the data described above appearing on Form C-107-A appears to be beyond the data range provided in this case, the Division may require the submittal of additional supporting data.
- (3) In order to obtain Division authorization to downhole commingle wells within the San Juan 29-7 Unit, the applicant shall file a Form C-107-A with the Santa Fe and Aztec Offices of the Division. Such application shall contain all the information required under Rule No. 303.C. of the Division Rules and Regulations, provided however that the applicant shall not be required to provide notice to all interest owners within the San Juan 29-7 Unit of such proposed commingling.

(4) 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

S E A L