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

DISTRICT II

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

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

__ YES _x_ NO

San Juan 27-5 Unit		···· '-27N-05W	
.0250		-21N-UOW	
OGRID NO. 14538 Property (tr Sec - Twp - Rge	Rio Arriba
	Code _7454 API NO. 30-039-29	Spacing U	nit Lease Types: (check 1 or more)
The following facts are submitted in support of downhole commingling: 1. Pool Name and Pool Code	Upper Zone Mesaverde - 72319	Intermediate Zone	Lower Zone Zone Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	WILL BE SUPPLIED UPON COMPLETION	i e sa processo de la Cita de	WILL BE SUPPLIED UPON COMPLETION
Type of production (Oil or Gas)	gas	別国の国が国	gas
4. Method of Production (Flowing or Artificial Lift)	flowing	Uti SEP 2 2 1999 '	flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing:	(Current) a. 454	a. OHL COM. DIN DING I	√a 961
Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1327	b.	b. 3278
6. Oil Gravity (°API) or Gas BTU Content	BTU 1226		BTU 1126
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 oilgas/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
O. If allocation formula is based a submit attachments with suppole of the submit attachment of the sub	royalty interests identical in all ing, and royalty interests been no given written notice of the proposes. No If yes, are fluids compwill the allocation formula be relicommingled zones compatible well-be with, state or federal lands is been notified in writing of this alle 303(D) Exceptions: ORDER I	commingled zones? lotified by certified mail? lotified by certified mail? loted downhole commingling? lotible, will the formations not be lablex YesNo (If Novith each other?x_ Yes LYES _X_ No (If Yes, attach each other); loted the Commissioner of PapplicationX_ Yes Noundersoner.	Yesx_NoYesx_NoYesx_No _x_YesNo e damaged, will any cross-flowe , attach explanation)No explanation) ublic Lands or the United State
	o be commingled showing its speach zone for at least one year. duction history, estimated prodution method or formula. offset operators. rking, overriding, and royalty intents, data, or documents requires.		
() ()	ation above is true and comTITLEProd fer Dobson TELEPH	uction EngineerDAT	E08-17-98

Tustrict I FO Box 1980, Hobbs, NM 68241-1980

District II FD Drawer ID. Antesia, NM 88211-07/8

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

District I/ PD Box 2088. Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Decartment

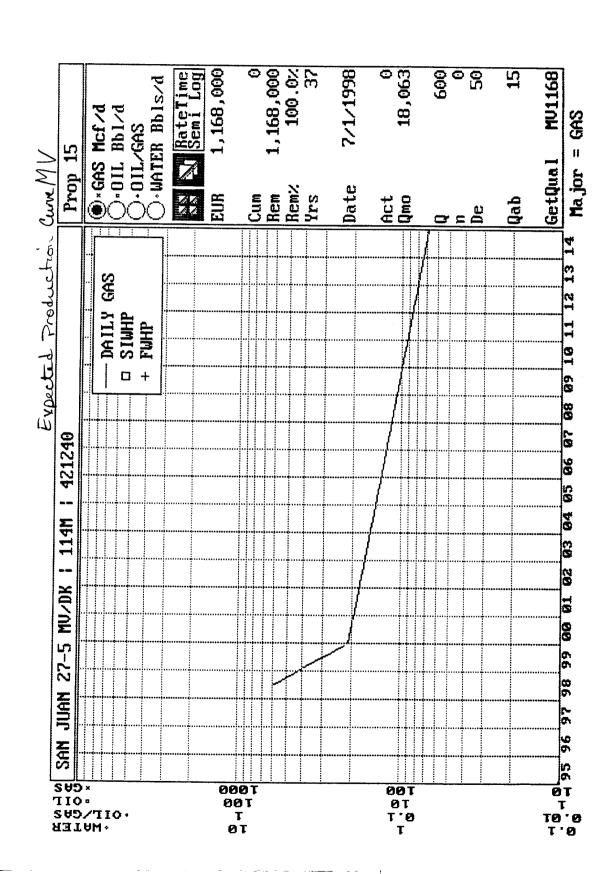
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

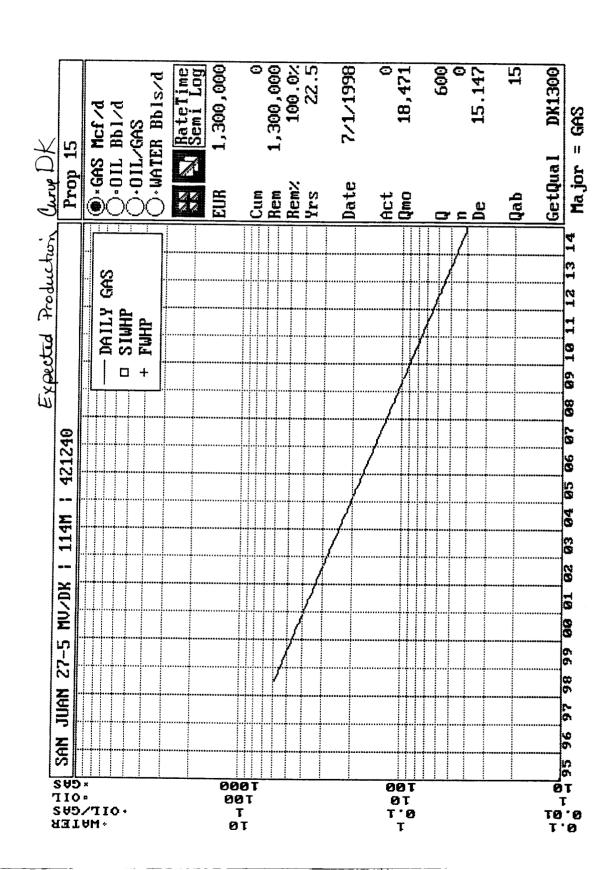
Revised February

Submit to Appropriate Distriction
State Lease Fee Lease -

AMENDED

	API Numbe			ACREAGE DED	PCALLON PL		
30-0		72319/7		Blanco Mesav			
*Property	,		*Prope	rty Name 27-5 UNIT		, Me	ell N
CSAID				tor Name			114 leva
1453	38	BURLINGTON	N RESOURC	ES OIL & GAS	5 COMPANY		659
A or ict to.	l Section i	Township i Pange Lot Ion	10 Sunfac		Feet from the		
Ε	17	27N 5W	1335	NORTH	1130	WEST	A
Julian Jacine.	Section	11 Bottom Hole	Location	If Different	From Sunfa	East/West line	7
					i con il dali greg	EBST/WEST 1978	
MV-W/32	0.41	"Consolidation C	ode ³ Order No.				<u>!</u>
DK-N/31		ILL BE ASSIGNED TO T					
11 11	1335	OR A NCN-STANDARD NMSF-0793 2 1.48			Regula Title SURVE	Bradfield wame tory Admin	n.s:
	NMSF-0		·		Cate of S		8





SJ 27-5 #114M

Bottom Hole Pressures Cullender and Smith Method Version 1.0 3/13/94

Mesaverde	Dakota				
MV-Current	<u>DK-Current</u>				
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) GO.707 C. 0.707 C. 0.707 C. 0.707 60 9.9 60 60 801 801 801 370	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.33 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 960.5				
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) 1326.6	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 0.647 C C C C C C C C C C C C C C C C C C				

Page No.: 1

Print Time: Wed Aug 12 16:01:22 1998

Property ID: 1333

Property Name: SAN JUAN 27-5 UNIT | 114 | 52294A-1 DK Parent Well

Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

DATE	CUM_GAS Mcf	M FWHP- ∰Psi∭		SIWHP Psi	M SIBHP Psi
08/06/69 09/19/69 11/05/69 11/23/70 07/22/71 06/06/72 07/19/73 09/04/75 06/08/77 06/06/79 06/03/81 09/19/83 11/19/85	0 22000 60000 250882 366474 502152 625722 855475 1025179 1197679 1352164 1494386 1624467	782.0 633.0 403.0 421.0 270.0 278.0 334.0 267.0 300.0 247.0	0 ¹ 22 2 1 1 1	637.0 624.0 747.0 348.0 077.0 854.0 863.0 741.0 614.0 633.0 857.0 753.0	3172.0 1612.0 1282.0 1012.0 1023.0 876.0 758.0 724.0 747.0 1016.0 891.0
06/23/88 05/29/90 04/29/92	1750623 1869944 1952346	298.0 296.0 320.0	om	950.0 797.0 710.0	1128.0 944.0 839.0

Page No.: 2

Print Time: Wed Aug 12 16:01:23 1998

Property ID: 1422

Property Name: SAN JUAN 27-5 UNIT | 26 | 53356B-1 MV Parent Wall

Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

DATE	CUM_GAS Mcf	M FWHP-	M FBHP- M SIWH	
03/20/57 04/30/57	0	0.0	01901113.	
09/14/58	64000		1112.0 797.0	
06/14/59	97000		709.0	
09/22/60	141000		661.0	
06/13/61 10/01/62	167000 204000		662.0	
04/19/63	222000		665.0 663.0	
04/29/64	252000		646.0	
05/10/65	278000		634.0	
04/19/66	306000		643.0	
05/16/67	328000		624.0	
08/14/68 10/07/70	358000 417947	437 0	567.0	
07/22/71	434953	417.0 402.0	637.0 608.0	
06/06/72	456399	379.0	606.0	
05/02/78	592378	278.0	582.0	
04/21/86	717960	312.0	622.0	
08/22/89 04/15/91	765092	313.0	522.0	
05/13/91	790903 792250	340.0	358.0	
,,	,,2230	240.0	رين <i>ر</i> 370.0	0.0

HYDROGEN HELIUM NITROGEN OXYGEN	MOL %	GPM (AT 14.73)	** DATA AT 14.730 PSIG UNLESS NOTED ** MP NUMBER 71835 EFFECTIVE DATE 19980401
HYDROGEN SULFIDE CARBON DIOXIDE METHANE ETHANE PROPANE ISO-BUTANE N-BUTANE	0.90 _81.88 9.57 4.38 0.80 1.14	2.5600 1.2071 0.2617 0.3594	GASOLINE CONTENT (GPM) 26/70 GASOLINE 100% PROPANE EXCESS BUTANES TOTAL
ISO-PENTANE N-PENTANE	-0.39 0.27	0.1427 0.0978	SPECIFIC GRAVITY
HEXANE HEXANE PLUS HEPTANE PLUS	0.45	0.1963	CALCULATED0.7070 MEASURED SULPHER GRAINS / 100 CU FT
TOTALS	100.00	4.8250	
03=MAIN SCREE	N		24=HELP PA1=TERMINATE

FUNCTION (A,C,D,I) I MP NUMBER 71835 EFFECTIVE DATE 19980401 REGION CD 42 MP TYPE CODE 10	SAN JUAN
SAMPLE TYPE CODE (GAS,LIQ,BTU) SAMPLE DATE SAMPLE LINE PRESSURE (PSIG) SAMPLE LINE TEMPERATURE (DEG F) TEST DATE TEST PRESSURE (PSIG) TEST TEMPERATURE (DEG F) TEST LIFE (MONTHS) TESTER SOURCE BA NUMBER TEST PURPOSE CODE	19980401 (AT 14.73 PSIG) WET 1204.684 DRY 1226.000 BTU/CF _14.730 WET _1204.684 DRY _1226.000 60 VAPOR FACTOR
03=DETAIL SCR 04=MP-NM BRWS 11=PREV SCR 12=MAIN MENU 21=REFRESH SCR 22=PREV MENU	20=NEXT PEC

HYDROGEN HELIUM NITROGEN	MOL %	GPM (AT 14.73)	** DATA AT 14.730 PSIG UNLESS NOTED ** MP NUMBER DK 87072 EFFECTIVE DATE 19970201
OXYGEN HYDROGEN SULFIDE	0.34		
CARBON DIOXIDE METHANE ETHANE PROPANE ISO-BUTANE N-BUTANE ISO-PENTANE N-PENTANE	1.33 _88.19 6.93 1.74 0.42 0.39 0.22	1.8538 0.4795 0.1374 0.1230 0.0805	GASOLINE CONTENT (GPM) 26/70 GASOLINE 100% PROPANE EXCESS BUTANES TOTAL
HEXANE HEXANE PLUS	0.09	0.0326	CALCULATED0.6470 MEASURED
HEPTANE PLUS TOTALS	100.00	2.8595	SULPHER GRAINS / 100 CU FT
03=MAIN SCREE	IN		24=HELP PA1=TERMINATE

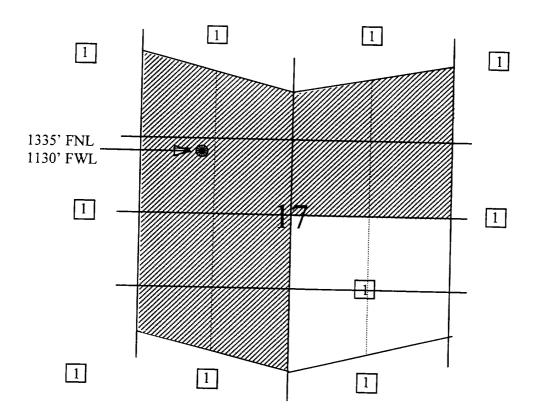
FUNCTION (A,C,D,I) I MP NUMBER 87072 EFFECTIVE DATE 19980401 REGION CD 42 MP TYPE CODE 10	SAN JUAN
SAMPLE DATE SAMPLE LINE PRESSURE (PSIG) SAMPLE LINE TEMPERATURE (DEG F) TEST DATE TEST PRESSURE (PSIG) TEST TEMPERATURE (DEG F) TEST LIFE (MONTHS)	14.730 WET 1106 423 DBY 1126 200
03=DETAIL SCR 04=MP-NM BRWS 11=PREV SCR 12=MAIN MENU 21=REFRESH SCR 22=PREV MENU	20=NEXT REC

BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-5 Unit #114M OFFSET OPERATOR \ OWNER PLAT Downhole Commingle

Mesaverde (W/2) / Dakota (N/2) Formations Well

Township 27 North, Range 5 West



1) Burlington Resources

vkh 8-25-98

LEGEND
COMPLETION DATE
WELL NAME
CUM(MMF)-EUR

San Juan 27-5 Unit 2 San Juan 27-5 Unit 41 San Juan 27-5 Unit 125E San Juan 27-5 Unit 30 549/950 (97) 836/1319 (97) 48/2135 (97) 4/58 96/2 San Juan 27-5 Unit 38 1359/1436 (97) [16] San Juan 27-5 Unit 86M 483/824 (97) [9] 10/81 7/58 3/59 431/624 (97) San Juan 27-5 Unit 64A San Juan 27-5 Unit 40M San Juan 27-5 Unit 64 San Juan 27-5 Unit 15 476/812 (97) 844/1333 (97) 204/2470 (97) 720/1054 (97) 10/80 10/61 96// 3/26 San Juan 27-5 Unit 37 862/1411 (97) 3/58 San Juan 27-5 Unit 70 906/1010 (97) San Juan 27-5 Unit 26 891/1273 (97) 2/62 3/57 San Juan 27-5 Unit 63 San Juan 27-5 Unit 19 1278/1811 (97) E Ę 888/1297 (97) [20] 11/61 2/57 San Juan 27-5 Unit 139M 267/267 (93) San Juan 27-5 Unit 3 295/1610 (97) 9/53 3/86

San Juan 27-5 Unit 49A

11/85

San Juan 27-5 Unit 47 452/563 (97)

3/59

525/1198 (97)

San Juan 27-5 Unit 50 504/748 (97)

<u>6</u>

3/29

San Juan 27-5 Unit 48 943/1589 (97)

3/60

San Juan 27-5 Unit 49 466/700 (97)

an Juan 27-5 Unit 163M

8/96

129/1685 (97)

San Juan 27-5 Unit 46

3/28

569/2257 (97)

10/60

SAN JUAN 27-5 UNIT 3A II 4 M

MESAVERDE

DATE: NAME: FORM: LOCATION UNIT: M SEC: 17 TWN: 27N RNG: 5W

November 06,1997

San Juan 27-5 Unit 69

San Juan 27-5 Unit 126M

66/1599 (97)

6/62

1408/2144 (97)

San Juan 27-5 Unit 69M 359/896 (97)

4/86

Ε

R-5-W

DATE: January 26,1998 NAME: SAN JUAN 27-5 UNIT 114M FORM: DAKOTA	LOCATION UNIT: SEC: 17 TWN: 27N RNG: 5W			7. Z X				LEGEND COMPLETION DATE WELL NAME
8/69 * San Juan 27-5 Unit 83 1606/2293	[9] 10/81 San Juan 27-5 Unit 86M 643/1429	2/63 * San Juan 27-5 Unit 86 1552/1844	4/90 - San Juan 27 Unit 40M 539/1373	2/63 San Juan 27-5 Unit 90 [16] 2423/3509 8/69 San Juan 27-5 Unit 40		97,1 \$80 Juan 27-5 Unit 122 1460/2015	[21] 97/1 San Juan 27-5 Unit 125 San Juan 27-5 Unit 125E	
	11/62 San Juan 27-5 Unit 70 [8] 900/3257 M San Juan 27-5 Unit 112 1652/2059	San Juan	8/69 San Juan 27-5 Unit 114 2301/3025	[17]	9/71 \$an Juan 27-5 Unit 123 1499/2566	9/71 San Juan 27-5 Unit 131 1388/2138	San Juan 27-5 Unit 139M 727/1556 [20] \$47.72 San Juan 27-5 Unit 139	\$877//61
3/86 10/62 San Juan 27-5 Unit 126M San Juan 27-5 Unit 69 333/638 2582/3440	10/71 4/86 San Juan 27-5 Unit 126 San Juan 27-5 Unit 69M 1418/1994 537/1687		1785 San Juan 27-5 Unit 163M 837/1710	5/72 \$4 San Juan 27-5 Unit 137 [18] 1272/1602 San Juan 27-5 Unit 163 1396/1702	12/85 * San Juan 27-5 Unit 137E 951/1203	572	Unit 1 1652	10/71 3/86 San Juan 27-5 Unit 133 San Juan 27-5 Unit 138E 3017/3720 881/1655

R-6-W

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. 11626 ORDER NO. R-10694

APPLICATION OF BURLINGTON RESOURCES
OIL & GAS COMPANY FOR THE ESTABLISHMENT
OF A DOWNHOLE COMMINGLING "REFERENCE
CASE" FOR ITS SAN JUAN 27-5 UNIT PURSUANT
TO DIVISION RULE 303.E AND THE ADOPTION
OF SPECIAL ADMINISTRATIVE RULES THEREFOR.
SAN-JUAN COUNTY, NEW MEXICO.

BIO ARRIBA

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 downhold commingling "reference case" to provide exceptions for (a) marginal economic criteria (b) pressure criteria. (c) allocation formulas and (d) modification of notification rules of 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 27-5 Unit, San Juan County, New Mexico.
- (3) Division Rule No. 303.E., amended by Order No. R-10470-A. currenti states:

"If sufficient data exists on a lease, pool, formation, geographic area, erg., 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 27-5 Unit which encompasses some 23,043 acres in Township 27 North. Range 5 West. NMPM. San Juan County, New Mexico.
- (5) Within the San Juan 27-5 Unit, the applicant currently operates one hundred and one (101) Basin-Dakota Gas Pool wells, one hundred and five (105) Blanco-Mesaverde Gas Pool wells, eighty-seven (87) South Blanco-Pictured Cliffs and Tapacito-Pictured Cliffs Gas Pool wells, and four (4) Basin-Fruitland Coal Gas Pool wells.
 - (6) According to its evidence and testimony, Burlington seeks to:
 - a) 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 27-5 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 27-5 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 27-5 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 27-5 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 27-5 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 583 MMCFG and 426 MMCFG, respectively:
 - c) the average initial producing rate for a newly drilled or recompleted Dakota and Pictured Cliffs gas well is approximately 393 MCFGD and 63 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 27-5 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 27-5 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 were approximately 3.141 psi and 1.118 psi, respectively; and.
- b) the average current shur-in bottomhole pressure within the Dakota and Pictured Cliffs formations are approximately 1.032 psi and 441 psi, respectively.
- (10) There is sufficient pressure data available within the San Juan 27-5 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 27-5 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 b industry and approved by the Division and therefore the proposal to except allocatio 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 27-5 Unit the applicant presente evidence and testimony which indicates that:
 - a) the interest ownership between two zones within a given wellbore in the San Juan 27-5 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 27-5 Unit every time a Form C-107-A is submitted to the Division. There is a considerable number of such interest owners within the unit:

- c) providing notice to each interest owner within the San Juan 27-5
 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 27-5 Unit Area will benefit working, royalty, and overriding royalty interest owners. In addition, the downhole commingling of wells within the San Juan 27-5 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 27-1 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 criteric pressure criteria, allocation formulas and notice will lessen the burden on the applications for as providing the data required pursuant to Division Rule No. 303.D. and Form (107-A. will provide the applicant a streamlined method for obtaining downing commingling approvals within the San Juan 27-5 Unit, and will not violate correlativishts.

IT IS THEREFORE ORDERED THAT:

(1) The application of Burlington Resources Oil & Gas Company to establi a "reference case" for (a) marginal economic criteria. (b) pressure criteria. (c) allocati formulas and (d) modification of notification rules on a unit-wide basis for downhr commingling of Dakota. Mesaverde. Fruitland Coal and Pictured Cliffs gas producti within existing or future drilled wells within the San Juan 27-5 Unit. San Juan Coun New Mexico. is hereby approved.

- downhole commungled within the San Juan 27-5 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 27-5 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 27-5 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