DATE IN /6/97	suspends 6/97	ENGINEER DC	LOGGED	TYPE D#C
		<u> </u>		

		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		ADMINISTRATIVE APPLICATION COVERSHEET
	THIS COVERSHE	ET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
Applic	[PC-Pc	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] [nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [SOI Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [Iffied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF A	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL DNSP DD DSD NOV - 6 1997
	Check [B]	Commingling - Storage - Measurement One Only for [B] and [C] Commingling - Storage - Measurement ODHC OCTB OPC OOLS OOLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR
[2]	NOTIFICAT	TION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply ☐ Working, Royalty or Overriding Royalty Interest Owners
	[B]	☐ Offset 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]	INFORMAT	TION / DATA SUBMITTED IS COMPLETE - Statement of Understanding
I here	har cortificathor	Compound under my supervision, have used and consulted said all applicable Dut-

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 R ap

derstand that any omission of data, information or notification is cause to have the with no action taken.
Note: Statement must be completed by an individual with supervisory capacity.

Print or Type Name Signature

Regulatory/Compliance Administrator

Title

BURLINGTON RESOURCES

SAN JUAN DIVISION

October 24, 1997

SENT FEDERAL EXPRESS

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

Re:

San Juan 27-5 Unit #57

1450'FNL, 2510'FWL Section 13, T-27-N, R-5-W, Rio Arriba County, NM

API #30-039-07082

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 well was originally drilled as a Dakota; it is intended to add the Mesa Verde and commingle.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas 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. Production curve for Dakota for at least one year, and anticipated production curve for Mesa Verde;
- 4. Notification list of offset operators Burlington is operator of San Juan 27-5 Unit;
- 5. Shut in wellhead pressure and calculated down hole pressure;
- 6. Nine-section plats for the Mesa Verde and Dakota

Notification of Mesa Verde and Dakota interest owners is covered under Reference Order #R-10694 issued November 12, 1996 attached.

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.

raapued

Sincerely,

Peggy Bradfield

Regulatory/Compliance Administrator

encs.

xc:

Bureau of Land Management

NMOCD - Aztec

DISTRICT I

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

DISTRICT II

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

Burlington Resources Oil & Gas Company

State of New Mexico Energy, Minerals and Natural Resources Department

APPROVAL PROCESS:

OIL CONSERVATION DIVISION

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

X Administrative ___Hearing

DISTRICT III 1000 Rio Brazos Rd, Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

Address

EXISTING WELLBORE _X_ YES __NO

PO Box 4289, Farmington, NM 87499

SAN JUAN 27-5 UNIT	57	F-13-27N-05W	Rio Arriba	
Lease	Well No.	Unit Ltr Sec - Twp - Rge	County Specing Unit Lease Types: (check 1 or more)	
OGRID NO14538 Property C	Code7455 API	NO30-039-07082Federa	IIX, State, (end/or) FeeX	
The following facts are submitted in support of downhole commingling:	Upper Zons	Intermedia Zone	Lower Zone	
Pool Name and Pool Code	Blanco Mesaverde - 723		Basin Dakota - 71599	
Top and Bottom of Pay Section (Perforations)	5369-6122'		7873-8061'	
Type of production (Oil or Gas)	gas		gas	
Method of Production (Flowing or Artificial Lift)	flowing		flowing	
5. Bottomhole Pressure	(Current) a. 698 psi	a.	a. 1180 psi	
Oil Zones - Artificial Lift: Estimated Current	/Osiginal)			_
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1338 psi	b .	b. 2846 psi	
6. Oil Gravity (°API) or Gas BTU Content	BTU 1145		BTU 1104	
7. Producing or Shut-In?	not yet producing		producing	
Production Marginal? (yes or no)	yes		yes	
* If Shut-In and oil/gas/water rates of last production	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:	1
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data				
* If Producing, give data and oil/gas/water water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: 8/97 Rates: 150 MCFD/0.5 BOPD	
Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: %	'	6 Oil: % Gas: % will be supplied upon completion	
9. If allocation formula is based u	pon something other th	an current or past producti	on, or is based upon some other method, s ojections or other required data.	=== submi
10. Are all working, overriding, and if not, have all working, overrid Have all offset operators been	d royalty interests identi-	cal in all commingled zones	? Yes _x_No	
			rmations not be damaged, will any cross-f No (If No, attach explanation)	flowe
12. Are all produced fluids from all				
13. Will the value of production be		-	· · · · · · · · · · · · · · · · · · ·	
			oner of Public Lands or the United States B No	lurea
15. NMOCD Reference Cases for R	ule 303(D) Exceptions:	ORDER NO(S)R-10694		
16. ATTACHMENTS: * C-102 for each zone * Production curve for * For zones with no pr * Data to support allog * Notification list of all * Notification list of we * Any additional states	to be commingled showing each zone for at least of outcion history, estimate action method or formulate offset operators. Orking, overriding, and rements, data, or documents.	ing its spacing unit and acre ne year. (If not available, a ted production rates and su oyalty interests for uncomm its required to support com	eage dedication. ttach explanation.) pporting data. on interest cases. mingling.	
I hereby certify that the inform	nation above is true a	and complete to the bes	t of my knowledge and helief	
			DATE10/24/97	
TYPE OR PRINT NAMEJenn	ifer L. Dobson T	ELEPHONE NO. (505)	599-4026	

District I PO Box 1980. Hobbs. NM 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

Form C Revised February 21. Instructions on

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

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

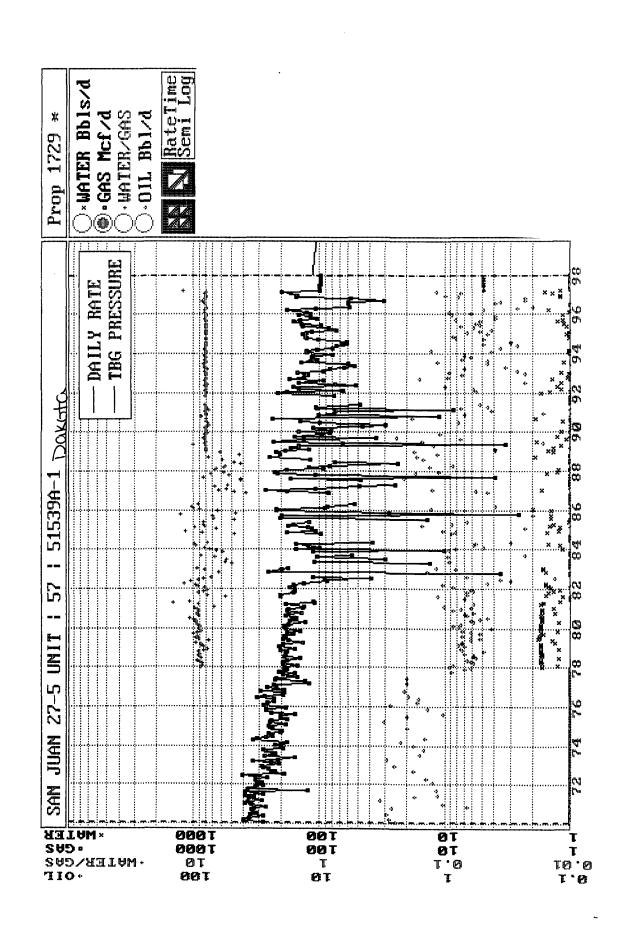
Submit to Appropriate District Of State Lease - 4 Co: Fee Lease - 3 Co.

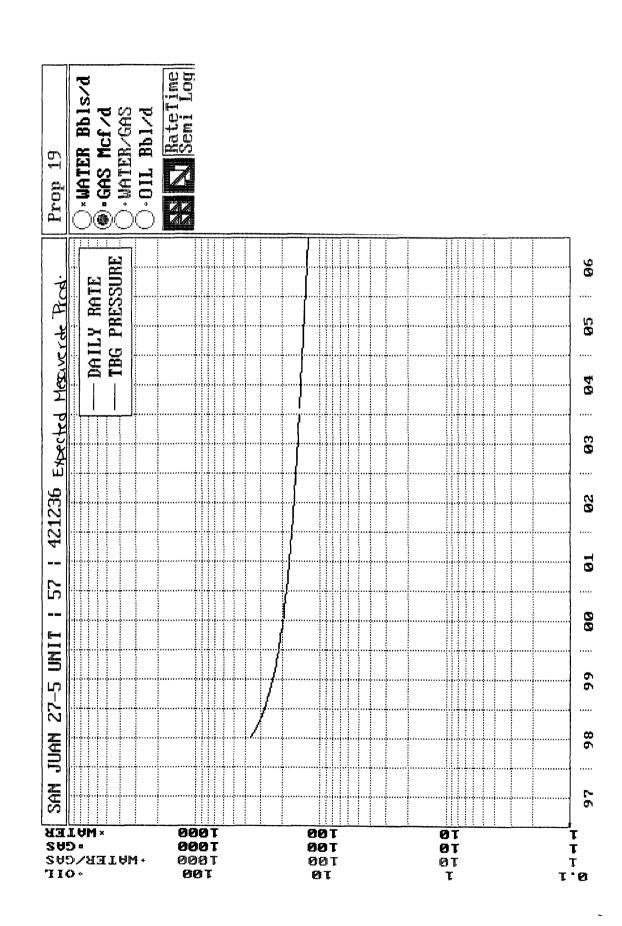
District IV PO Box 2088, Santa Fe, NM 87504-2088

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

AMENDED REPC

		WELL	LOCAT	ION AND	ACREA	AGE DEDI	ICATION	PLAT		
'API Number 'Pool Code 'Pool Name										
	30-039-07082 72319/71599 Blanco Mesaverde/Basin Dako									
*Property Code 7454				Prof IAU JUA	erty Name				. Me	11 Number 57
7454 'OGRID No.	<u> </u>				ator Name				 	levation
14538		BURL:		RESOUR	CES 01	L & GAS	COMPA	NY	_	838
				10 Surfac				······································		
F 13	27N	5W	Lot Idn	Feet from 1450		very south line	2510		est line est	RIO ARRIE
		Bottom		ocation		ifferent	From S			
UL or lot no. Section	Township	Range	Lat Idn	Feet from	he No	rth/South line	Feet from	the East/I	lest line	County
¹² Dedicated Acres $4V-W/320$	13 Joint or Ir	of 111 M Cor	eolidation Code	S Order H		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>			
NO ALLOWABLE I	VILL BE	ASSIGNE	D TO TH	IS COMPL	ETION L	NTIL ALL	INTERES	TS HAVE B	EEN CON	ISOL IDATE
	A RO	NON-S	TANDARD	UNIT HAS	BEEN	APPROVED	BY THE [DIVISION PERATOR		FICATI
	2510				d fro		Sigr Pe Prin Re Tit	URVEYOR Boy certify that to lotted from field our my supervision ot to the best of OCTOBER of Survey	CERTI The well locate of actual and their the my belief.	FICATI on shown on thi il surveys assist seems is true;



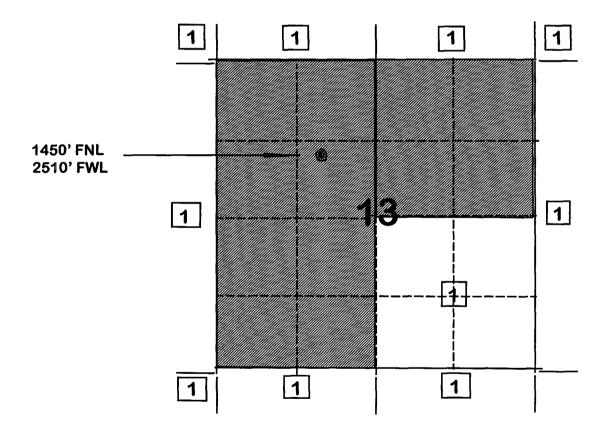


BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-5 Unit #57 OFFSET OPERATOR \ OWNER PLAT

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

Township 27 North, Range 5 West



1) Burlington Resources Oil and Gas Company

Page No.: 1
Print Time: Fri Oct 10 13:09:04 1997
Property ID: 1729
Property Name: SAN JUAN 27-5 UNIT | 57 | 51539A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

DATE	CUM_GAS	M SIWHP Psi
07/12/65	0	2325.0 -> original
07/19/65	0	2409.0
10/28/66	170000	1684.0
08/04/67	304000	1771.0
09/23/68	491000	1384.0
06/30/69	609000	1167.0
10/07/70	784227	1119.0
07/22/71	876658	997.0
06/06/72	980503	1030.0
07/19/73	1076625	1031.0
05/22/75	1234828	972.0
07/06/77	1412044	884.0
05/01/79	1534716	890.0
05/21/81	1656241	879.0
09/13/83	1741762	1042.0
05/20/85	1796103	1005.0
07/12/88	1893298	1357.0
06/08/90	1977113	1051.0
08/31/92	2042387	977.0-> current

Page No.: 1
Print Time: Fri Oct 10 13:08:00 1997

Property ID: 11439

Property Name: SAN JUAN 27-5 UNIT | 91 | 50668A-1 Table Name: K:\ARIES\RR98PDP\TEST.DBF

		CUM_GAS Mcf	DATE
original	1143.0	0	10/30/62
	487.0	132197	10/07/70
	496.0	141696	07/22/71
	418.0	152383	06/06/72
	609.0	255853	12/06/83
	602.0	272283	04/18/86
current	604.0	298546	08/30/91

San Juan 27-5 #57 Bottom Hole Pressures Flowing and Static BHP Cullender and Smith Method

Version 1.0 3/13/94

Mesa Verde	Dakota				
MV - Current	DK-Current				
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.04 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) G98.0 The Mesa Verde Pressures are from the San Juan 27-5 #91 which is an offset MV producer.	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.27 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 1180.0				
MV - Original	DK-Original				
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.04 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 1338.1	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) 2846.0				
The Mesa Verde Pressures are from the San Juan 27-5 #91 which is an offset MV producer.					

FARMINGTON 199 SAN JUAN 27-5 UNIT 57 1997 MONTHLY PRODUCTION FOR 51539A PHS030M1

BASIN DAKOTA (PRORATED GAS) FIELD DAKOTA ZONE

														•
			DAYS	======	OIL ===	====	=====	=======	GAS	=====	======			
MO	Т	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER PR	OD	C
1	2	F	31	02	23		01	5214	31	1115	15.025		42	
2	2	F	28	02	36	59.4	01	6181	28	1115	15.025		49	
3	2	F	31	02	15		01	4680	31	1094	15.025		37	
4	2	F	30	02	11		01	2992	30	1104	15.025		24	
5	2	F	31	02	28		01	5190	31	1104	15.025		41	
6	2	F	30	02	13		01	4753	30	1104	15.025		38	
7	2	F	31	02	20	58.4	01	5023	31	1104	15.025		40	
8	2	F	31	02	16		01	4638	31	1104	15.025		37	
9														
10														
11														
12														

PF6 - RETURNS TO ANNUAL DISPLAY

PF3 - TRANSFER TO UPDATE

PF10 - HELP INFORMATION

PF9 - DISPLAY MONTHLY INJECTION

00/00/00 00:00:00:0 PRS 10/03/97

DATE: September 22,1997	NAME: SAN JUAN 27-5 UNIT 57	FORM: MESAVERDE	LOCATION UNIT: F SEC: 13	TWN: 27N RNG: 5W															LEGEND WELL STATUS COMPLETION DATE	WELL NAME MCF/D-CUM(MMF) BOP/D-CUM(MBO)	
_		3								<u> </u>	- % z									1	i
	11/77	San Juan 27-4 Unit 123 168/828(97)	2	E			12/74	San Juan 27-4 Unit 121 190/1662(s?) 0/6		8	3/8e	San Juan 27-4 Unit 121A 223/603(97)	<u> </u>			10,76	San Juan 27-4 Unit 105 120/451(97)	1/0 [61]		-	R-4-W
					7/61	San Juan 27-5 Unit 102MSan Juan 274 Unit 31 134/376(87) 113/1255(87) 0/1 0/4					11/57	 San Juan 27-4 Unit 14X 33/880(97)	0/1			- 	·····		11/59	San Juan 27-4 Unit 23 82/413(97) 0/0	
	10/62	San Juan 27-5 Unit 88 89/1244(97)	0 / 4		2/87	San Juan 27-5 Unit 10 134/376 ⁽⁹⁷⁾ 0/1	10/62	San Juan 27-5 Unit 91 156/361(97)	3			Ø			5/58	San Juan 27-5 Unit 31 70/1376(97) 0/1				•	
		_		[12]	INA 3,63	San Juan 27-5 Unit 105M San Juan 27-5 Unit 39 550/31(97) 38/828(95) 0/0			•	San Juan 27-5 (5/58	San Juan 27-5 Unit 29 9/361(97) 0/0				[24]	2/59	San Juan 27-5 Unit 43 38/375(97) 0/0	R-5-W
	2/56	San Juan 27-5 Unit 14	0/0		5/97	San Juan 27-5 350/31(87)			5/54	San Juan 27-5 Unit 6	446/1063(97)		26/9	San Juan 27-5 Unit 103E 2477(97) 0/0	1912	San Juan 27-5 Unit 10 40/666(97)	20	••		S	
	10/84	San Juan 27-5 Unit 99E	0.38	[14]		-		26/9	* an Juan 27-5 Unit 98	315/19(97)	12/81	San Juan 27-5 Unit 98E	148/6/3(97) 0/3					[53]	11/56	San Juan 27-5 Unit 16 71/564(97) 0/0	

October 27,1997	: San Juan 27-5 Unit 57		TION F 13 27N 05W				LEGEND FIRST DELIVERY DATA WELL NAME MCF/D-CUM(MMCF)	
DATE	NAME:		LOCATION UNIT: F SEC: 13 TWN: 27 RNG: 05		.		FIRST WELL MCF/L	
	9/55	San Juan 27-4 Unit 5 6/1733 (97)	· · · · · · · · · · · · · · · · · · ·		8/68 * San Juan 27.4 Unit 44 351/5288 (97) T 1/12 27	3/86 8/68 San Juan 27-4 Unit 50E San Juan 27-4 Unit 45 118/566 (97) 0/3 0/6		
			[2] 89/6	San Juan 274 Unit 41 268/3487 (97) 1/7	11/57 11/57 San Juan 27.4 Unit 14X 98/1563 (97) 0/3	3/86 * San Juan 27-4 Unit 50E 118/566 (97) 0/3	[19] 12/68 \$an Juan 27-4 Unit 50 168/1291 (37) 1/13	R-04-W
	8/67	San Juan 27-5 Unit 104 178/2325 (97)	r S	5/86 San Juan 27-5 Unit 102M 133/519 (⁹⁷⁾ 0/2	San	7/69 ** San Juan 27-5 Unit 116 81/886 (37)		
			[12]	8/67 San Juan 27-5 Unit 102 375/3363 (⁹⁷⁾ 0/6	it 103 San Juan 27 & Unit 67 159/2240 (sr) 17 INA 6/67 San Juan 27 -5 Unit 107 3/732 (s2)	ν.	5/70 \$ San Juan 27-5 Unit 119 129/1190 (er) 1/5	1 0 0 W
		San Juan 27-5 Unit 99 192/2745 (97)	3	10/81 * San Juan 27-5 Unit 105M it 105 273/954 (97) 1/6	7/67 San Juan 27-5 Unit 103 116/1400 (97) 0/8 3/86 San 3/86 San 27-5 Unit 103E 273/1086 (97)	7/69 San Juan 27-5 Unit 115 174/2062 (97)		
	7/83	San Juan 27-5 Unit 99E 170/641 (97)	[1]	6/67 San Ju * San Juan 27-5 Unit 105 146/1875 (97)	6/65 San Juan 27-5 Unit 98 180/1582 (87) 1/82 1/82 San Juan 27-5 Unit 98E 218/629 (87)		6/70 \$\frac{6/70}{*}\$ San Juan 27-5 Unit 120 141/1812 (97)	

R-04-W

R-05-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.

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 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, 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 commingie (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 proper classified as "marginal".
 - (9) In support of its request to except pressure criteria within the Dakota an Pictured Cliffs formations within the San Juan 27-5 Unit, the applicant presente 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 shut-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 unlized 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 allocatic 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 present 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 commingings 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-: Unit for obtaining approval for subsequent downhole commingled wells without notice at Unit interest owners, provided however that, all other provisions commined 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 applications insofar 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 downhold commingling approvals within the San Juan 27-5 Unit, and will not violate correlative rights.

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 downke 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.

- (2) Upon filing of Division Form No. C-107-A's for wells subsequently downhole commingled 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 /