DISTRICT II

DISTRICT III

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

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

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 1000 Rio Brazos Rd, Aztec, NM 87410-1693

__YES __x_ NO

Form C-107-A New 3-12-96

Burlington Resources Oil & Gas Company PO Box 4289, Farmington, NM 87499				
Operator Address San Juan 28-6 Unit 206M J 10-27N-06W Rio Arriba				
San Juan 28-6 Unit		U-27 Y-UGTY tr Sec - Twp - Rge	County	
0250	Well No. Unit El	· ·	ng Unit Lease Types: (check 1 or more)	
OGRID NO14538 Property Cod	de7462 API NO30-039-25	5766Federalx, Sta	te, (and/or) FeeX	
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	DEGEIVED	flowing	
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	(Current) a. 734 psi (see attachment)	JAN 2 7 1999 U	a. 1068 psi (see attachment)	
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1301 psi (see attachment)	914 CON. 1917. 19187. 3	b. 3093 psi (see attachment)	
6. Oil Gravity (□API) or Gas BTU Content	BTU 1203		BTU 1056	
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 	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:	
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data				
 If Producing, give data and oil/gas/water water of recent test (within 60 days) 	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:	
			24	
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, subnattachments with supporting data and/or explaining method and providing rate projections or other required data. Are all working, overriding, and royalty interests identical in all commingled zones?				
12. Are all produced fluids from all co				
13. Will the value of production be dec	creased by commingling? Yes	s _X_ No (If Yes, attach explanat		
14. If this well is on, or communitized Management has been notified in	I with, state or federal lands, either writing of this applicationX	r the Commissioner of Public Lands Yes No	s or the United States Bureau of La	
15. NMOCD Reference Cases for Rule	303(D) Exceptions: ORDER NO(S)Reference Order _R-10596	attacned	
* Production curve for 6 * For zones with no pro * Data to support alors * Netification list of all 6	be commingled showing its spaci each zone for at least one year. (If i duction history, estimated product tion method or formula. offset operators. rking, overriding, and royalty intere ents, data, or documents required	not available, attach explanation.) ion rates and supporting data.		
I hereby certify that the information above is true and complete to the best of my knowledge and belief.				
SIGNATURE Signature TITLE: Production Engineer DATE: 1/26/97				
TYPE OR PRINT NAME Sean Woolverton TELEPHONE NO. (505) 326-9700				

PO Box 1980. Hobbs. NM 88241-1980 Distance 44 PO Drawer OD. Artenn. NM 88211-0719

Distairs III

State of New Mexico

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

Form (Revised February 21.

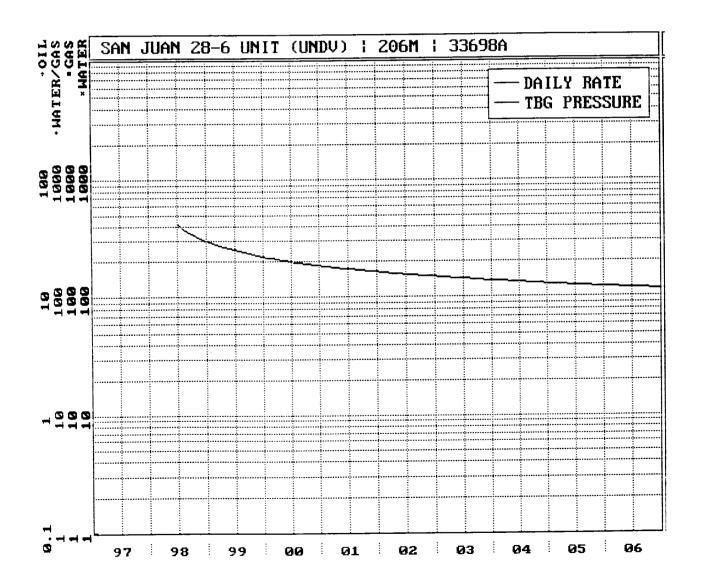
Instructions of Submit to Appropriate District t

State Luses - 4 C Foe Lane - 3 C

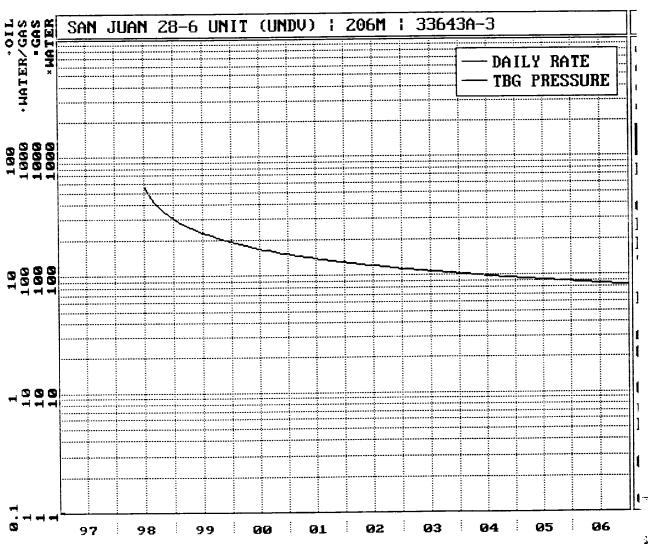
☐ AMENDED REI

1000 Nie Brosse Rd., Azies, NM 87416 District IV

PO Box 2008. Santa Fe. NM 87504-2008 WELL LOCATION AND ACREAGE DEDICATION PLAT API Number 1 Pool Code ' Post Name Blanco Mesaverde/Basin Dakota 72319/71599 30-039-* Property Code · Well Names 7462 San Juan 28-6 Unit 206M OGRID No. BURLINGTON RESOURCES OIL & GAS COMPANY 6256' 14538 10 Surface Location UL or lot se. Range Let ide Feet from the North/South time Feet from the East West time 10 .T 27-N 6-W 1625 South 2260 East R.A. 11 Bottom Hole Location If Different From Surface UL or lot se. Lot Ida Feet from the North/South time East West ties County 13 Joint or infil | 14 Constitution Code | 15 Order No. DK-E320 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDAT OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 5227.20 17 OPERATOR CERTIFICAT rad huld Peggy Bradfield Printed Name NMSF-079363 <u>Regulatory Administrat</u> Date 0 15 SURVEYOR CERTIFICAT FEE rroce so the best of my belief. 2260 6/04/97 5 5252.28°



San Juan 28-6 Unit #206M Expected Production Curve Basin Dakota





SJ 28-6 Unit #206M

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

Mesaverde	Dakota	
MV-Current	<u>DK-Current</u>	
GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 733.8	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.0 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 90 BOTTOMHOLE PRESSURE (PSIA)	
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) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 1301.1	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) 3093	

Page No.: 4

Print Time: Tue Dec 30 13:43:42 1997 Property ID: 4073

Property Name: SAN JUAN 28-6 UNIT | 75 | 49889A-1 Table Name: K:\ARIES\RR98PDP\TEST.DBF

DATE		San Juan 28-6-11206M
02/08/57 03/05/57 01/23/58 11/06/58 06/14/59 06/14/60 06/13/61 09/24/62 05/06/63 04/22/64 05/03/65 06/07/66 05/25/67 05/25/67 05/27/68 07/28/70 06/21/71 06/07/72 05/02/74 04/29/76 05/23/78 06/04/80 05/20/82 05/09/89	1119.0 - Original 1118.0 944.0 861.0 853.0 837.0 794.0 816.0 757.0 768.0 730.0 701.0 677.0 632.0 658.0 613.0 607.0 627.0 623.0 612.0 619.0 597.0	Mesaverde Offset
05/20/91 06/09/91	627.0 639.0 - Current	

Page No.: 5
Print Time: Tue Dec 30 13:43:43 1997
Property ID: 1833
Property Name: SAN JUAN 28-6 UNIT | 115 | 51500A-1 7500 |
Table Name: K:\ARIES\RR98PDP\TEST.DBF

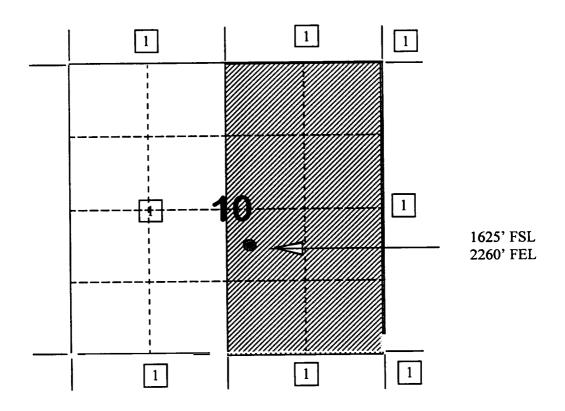
Table	Name: K:\ARIES\RR98PDP\TEST.DBF	
DATE	M SIWHP	San Juan 286 # 206M
07/31/64 08/11/64	2604.0 - Ovigenal 2648.0	Dakota Offset
11/19/65	1480.0 947.0	
05/27/67 05/27/68 08/18/69	878.0 844.0 806.0	
07/28/70 06/21/71	939.0 832.0	
06/07/72 05/05/75	912.0 748.0	
07/05/77 08/21/79 08/12/81	714.0 760.0 773.0	
09/28/83 09/04/85	954.0 836.0	
10/05/88 05/08/90	984.0 650.0 909.0-CURICNE	
04/29/92	909.0-CWDQICC	

BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 28-6 Unit #206M

OFFSET OPERATOR/OWNER PLAT Mesaverde / Dakota Formations Commingle Well

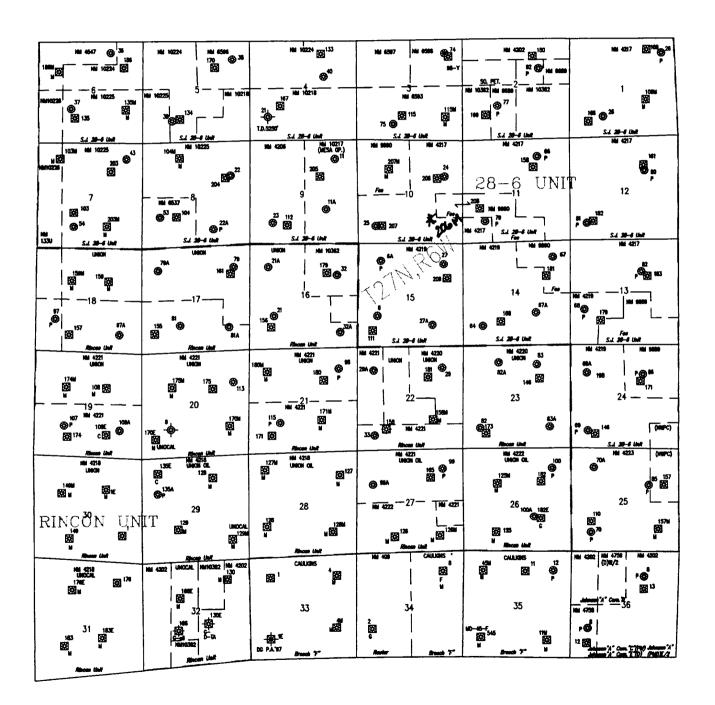
Township 27 North, Range 6 West



1) Burlington Resources

San Juan 28-6 Unit #206M

Blanco Mesaverde / Basin Dakota 27N-06W-10



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:

- 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:

- 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.