DISTRICT II

Operator

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Address

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

APPROVAL PROCESS:

X Administrative ___Hearing

EXISTING WELLBORE

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

1000 Rio Brazos Rd, Aztec, NM 87410-1693

Burlington Resources Oil & Gas Company

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

APPLICATION FOR DOWNHOLE COMMINGLING

__ YES _xNO

PO Box 4289, Farmington, NM 87499

e following facts are submitted support of downhole mmingling:	Upper Zone	Intermediate Zone	Zone
Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
Top and Bottom of Pay Section (Perforations)	will be supplied upon completion	IDEGETVE	will be supplied upon completion
Type of production (Oil or Gas)	gas	118 SEP 1 2 1997 +	gas
. Method of Production (Flowing or Artificial Lift)	flowing	OIL COM. DIV	flowing
. Bottomhole Pressure Dil Zones - Artificial Lift:	(Current) a. 761 psi (see attachment)	a. (2)	a. 847 psi (see attachment)
Estimated Current ias & Oil - Flowing: Measured Current Il Gas Zones: stimated or Measured Original	(Original) b. 1178 psi (see attachment)	b.	b. 3202 psi (see attachment)
Oil Gravity (°API) or Gas BTU Content	BTU 1211		BTU 1098
. 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:
ote: For new zones with no production history, splicant shall be required to attach production timates and supporting data			
If Producing, give data and il/gas/water water of recent test within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
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
. Are all working, overriding, and If not, have all working, overric Have all offset operators been Will cross-flow occur?	d royalty interests identical in all ling, and royalty interests been n given written notice of the propo	commingled zones? otified by certified mail? sed downhole commingling? compatible, will the formation	based upon some other method, other required data. Yesx_Nox_YesNo s not be damaged, will any cross
•	will the allocation formula be reli commingled zones compatible w		
. Will the value of production be	decreased by commingling?	Yes _X_ No (If Yes, attach	explanation)
. If this well is on, or communit of Land Management has been	ized with, state or federal lands notified in writing of this applicat	, either the Commissioner of I ionXYes No	Public Lands or the United States
	Rule 303(D) Exceptions: ORDER	NO(S)R-10696	
	to be commingled showing its sy reach zone for at least one year. roduction history, estimated proc cation method or formula. Il offset operators. orking, overriding, and royalty in ments, data, or documents requi		
	nation above is true and cor		
1	4	uction EngineerD	

01strict | I PO Box 1980. Hoods. NM 88241-1980 State of New Mexico

Energy, Minerals & Natural Resources Department

Revised February Instructions
Submit to Appropriate District

DISTRICT II
PO Drawer DD. Artesia. NM 88211-0719
OIL CONSERVATION DIVISION

Submit to Appropriate District State Lease - 1 Fee Lease - 1

Certificate Number

District III 1000 Rio Brazos Rd. Aztec. NM 87410

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PO Box 2088 Santa Fe, NM 87504-2088

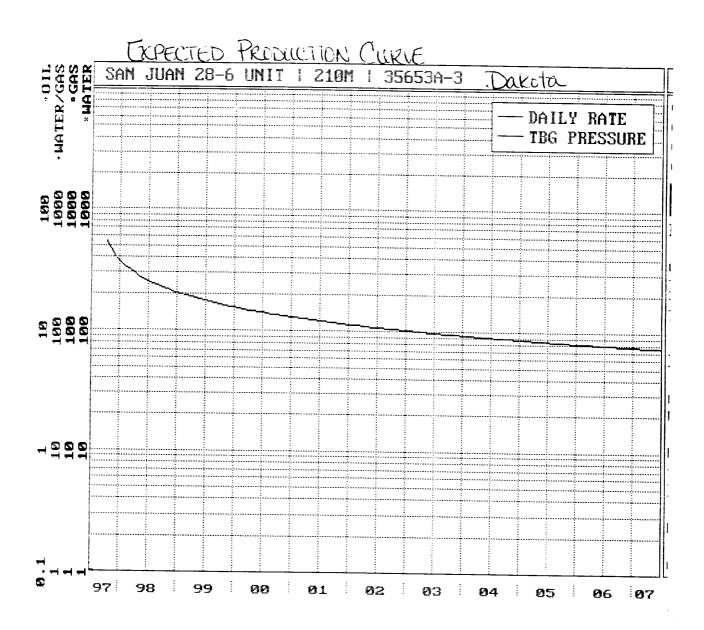
MENDED A

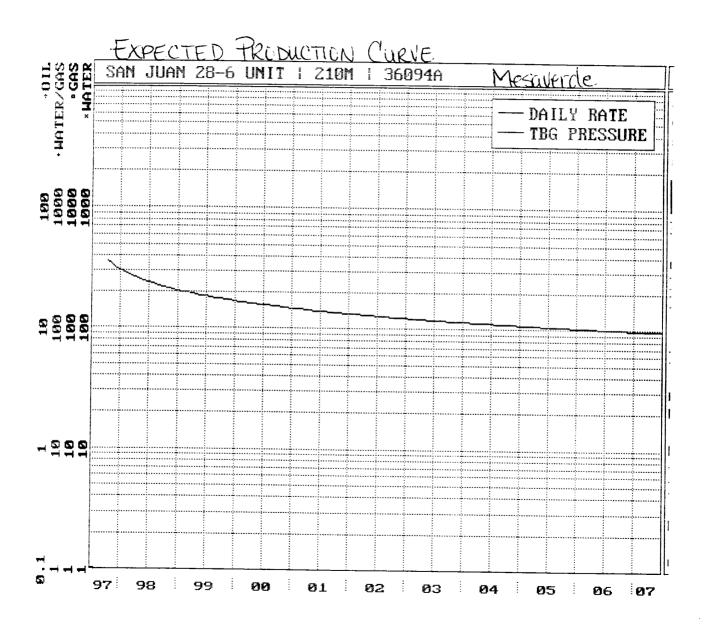
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'API Number		1	9/7159	99		anco Mesave	rde/Basin	Dakota	*Hell N
'Property Code				*Pro	perty	Name B-6 Unit			210
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SJ 28-6 Unit #210M

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

Mesaverde	Dakota		
<u>MV-Current</u>	DK-Current		
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) 654 BOTTOMHOLE PRESSURE (PSIA) 761.4	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) 847.4		
MV-Original	DK-Original		
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Page No.: 1

Print Time: Mon Aug 25 16:03:42 1997

Property ID: 10388

Property Name: SAN JUAN 28-6 UNIT | 11 | 49547A-1 San Juan 28-6 Unit | Table Name: K:\ARIES\RR98PDP\TEST.DBF

Table	Name: K:\ARI	ES\RR98PDP\TEST.DBF
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10/06/60	110000	
09/13/61	131000	860.0
04/09/62	138000	875.0
08/02/63		
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06/02/67	225000	
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07/07/71	306442	
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09/18/86	505484	
10/08/89		
04/15/91	545305	
10/14/91	549228	654.0 - CUVVENT

#210 M

Mesaverde Offset

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Page No.: 2
   Print Time: Mon Aug 25 15:29:22 1997
  Property ID: 1896
                                                 San Juan 28-6 Unit
Property Name: SAN JUAN 28-6 UNIT | 210 |
                                        44852A-1
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                       810.0
10/12/83
              375867
                       826.0
06/27/85
              466660
                       730.0
10/04/88
              589876
                       777.0
05/08/90
              656030
                       752.0
                      712.0 - current
05/28/92
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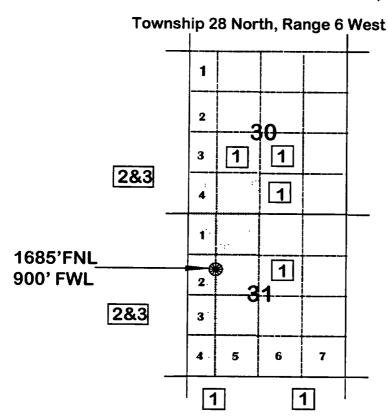
San Juan 28-6 Unit #210M Mesaverde / Dakota 28N-06W-31D

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SAN JUAN 28-6 UNIT #210M

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well Mesaverde (W/2 Sec. 31) / Dakota (Nonstandard dedication covering S/2SW/4 Sec. 30, W/2 Sec. 31)



- 1) Burlington Resources Oil and Gas Company.
- 2) Amoco Production Company

Bruce Zimney

1670 Broadway

P. O. Box 800

Denver, Colorado 80201

3) Conoco

10 Desta Drive, Suite 100W Midland, Texas 79705-4500

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.