DISTRICT I
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

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

APPROVAL PROCESS :
_X_ Administrative ___Hearing

EXISTING WELLBORE
__ YES _x NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company — PO Box 4289, Farmington, NM 87499
Operator — Address

SAN JUAN 28-6 UNIT — 124M — C 22-28N-6W — Rio Arriba
Lease — Well No. — Unit Ltr. - Sec - Twp - Rge — County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. __14538_____ Property Code _____7462_____ API NO. _30-039-25728 Federal __X___ , State _____, (and/or) Fee _____

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		flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 533 psi (see attachment) (Original) b. 1322 psi (see attachment)	a. b.	a. 915 psi (see attachment) b. 3257 psi (see attachment)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1233		BTU 1125
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 oil/gas/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

RECEIVED
OCT - 7 1997
OIL CON. DIV.
DIST. 3

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, 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? ___Yes __x_No
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? _X_Yes ____No

11. Will cross-flow occur? _x__ Yes __ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. __x___ Yes _____No (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 States Bureau of Land Management has been notified in writing of this application. _X__Yes ___ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____R-10696_____

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 all offset operators.
* Notification list of working, overriding, and royalty interests for uncommon interest cases.
* Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sean Woolverton TITLE Production Engineer _____ DATE ___10/02/97_____

TYPE OR PRINT NAME __ Sean C. Woolverton ____ TELEPHONE NO. (505) 326-9700

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-
Revised February 21, 1
Instructions on b
Submit to Appropriate District Off
State Lease - 4 Co
Fee Lease - 3 Co

☐ AMENDED REPO

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
30-039-	72319-71599	Blanco Mesaverde/Basin Dakota

⁴ Property Code	⁵ Property Name	⁶ Well Number
7462	San Juan 28-6 Unit	124M

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6535'

¹⁰ Surface Location

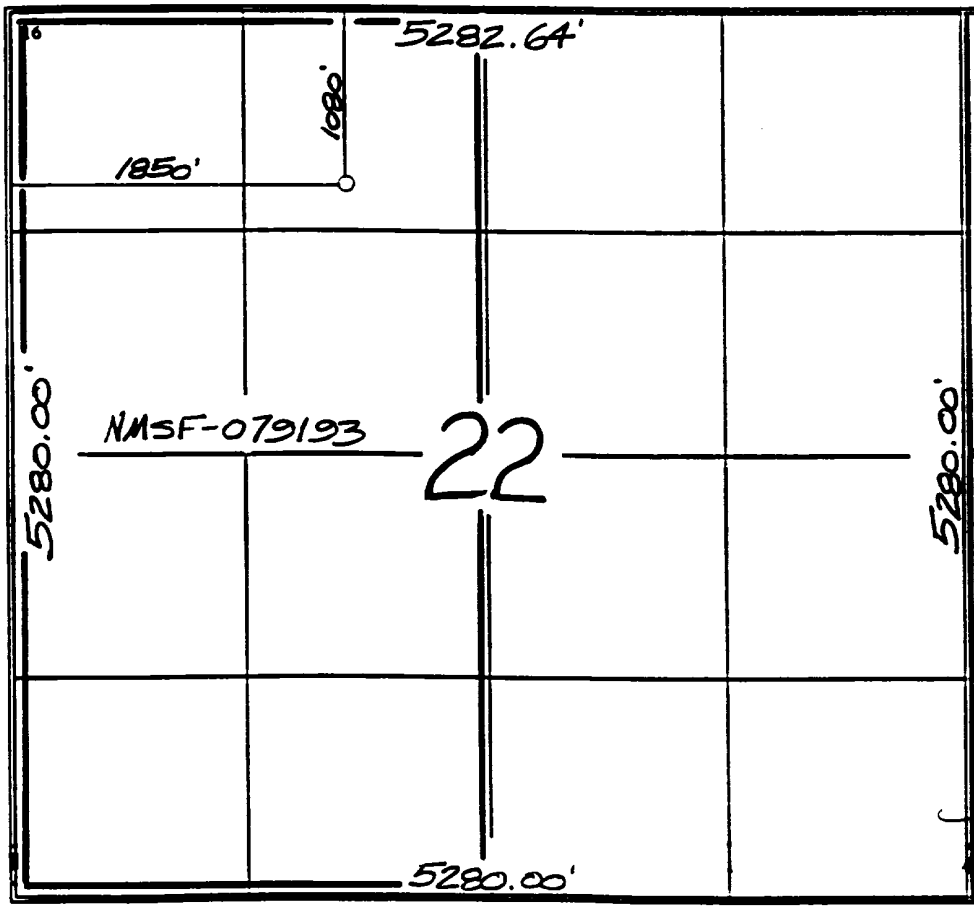
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	28-N	6-W		1080	North	1850	West	R.A.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
MV-W/320 DK-W/320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATE
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATIC

I hereby certify that the information contained herein i true and complete to the best of my knowledge and be

Signature
Peggy Bradfield
Printed Name
Regulatory Administrato
Title
Date

¹⁸ SURVEYOR CERTIFICATIC

I hereby certify that the well location shown on this pl was plotted from field notes of actual surveys made by or under my supervision, and that the same is true an correct to the best of my belief.

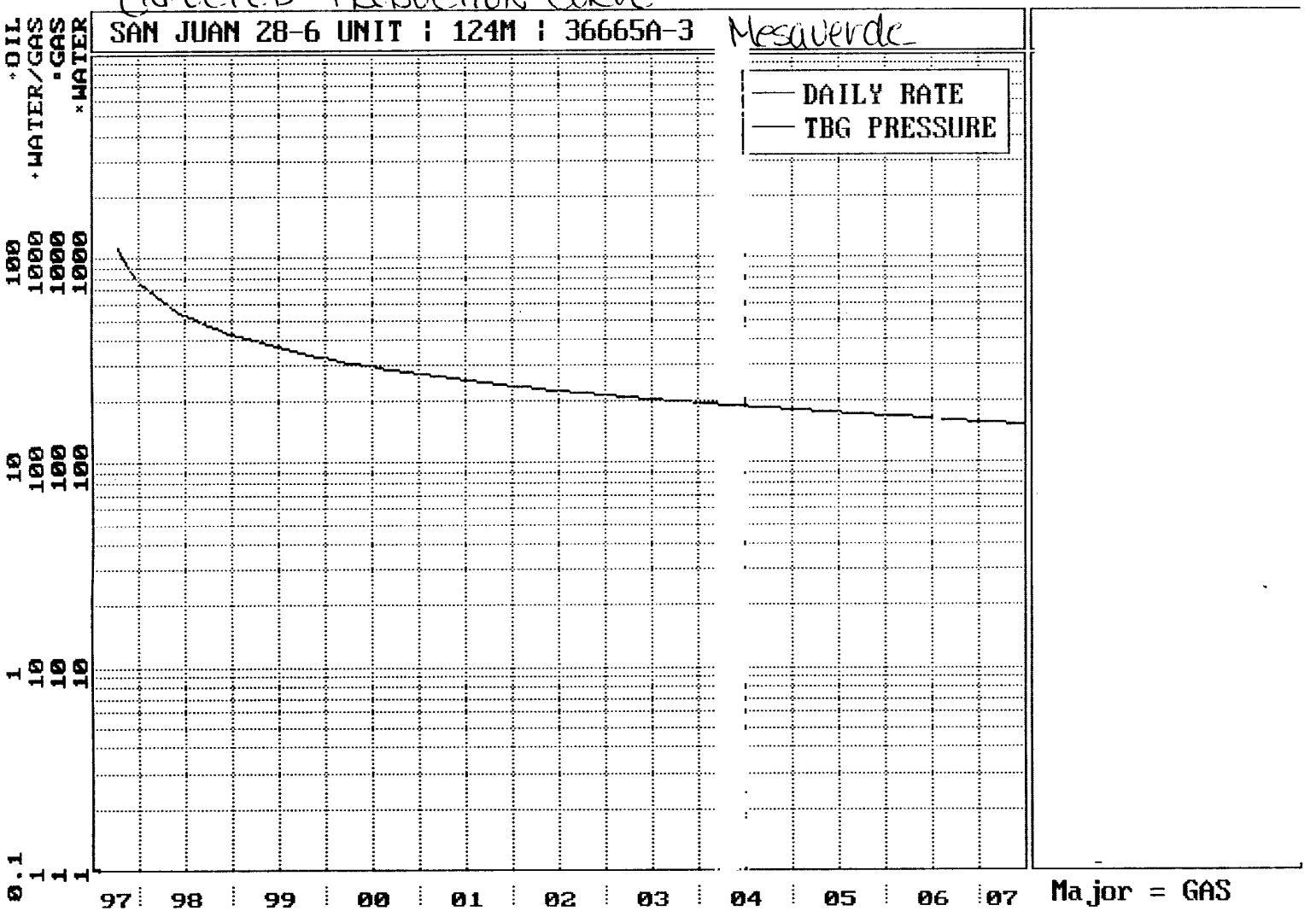
5/27/97
Date of Survey

Signature and Seal of Professional Surveyor

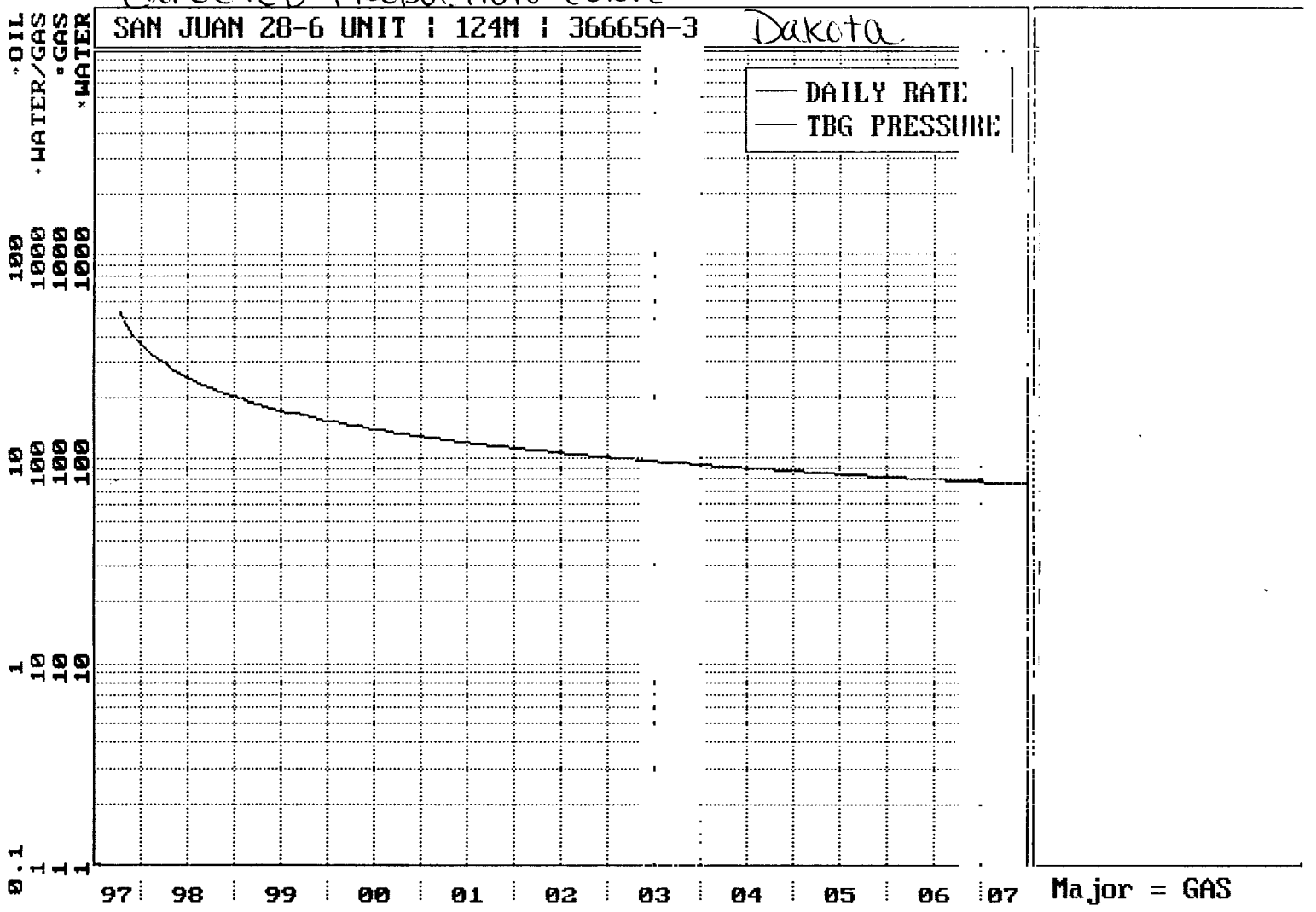
NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL

6857
Certificate Number

EXPECTED PRODUCTION CURVE



EXPECTED PRODUCTION CURVE

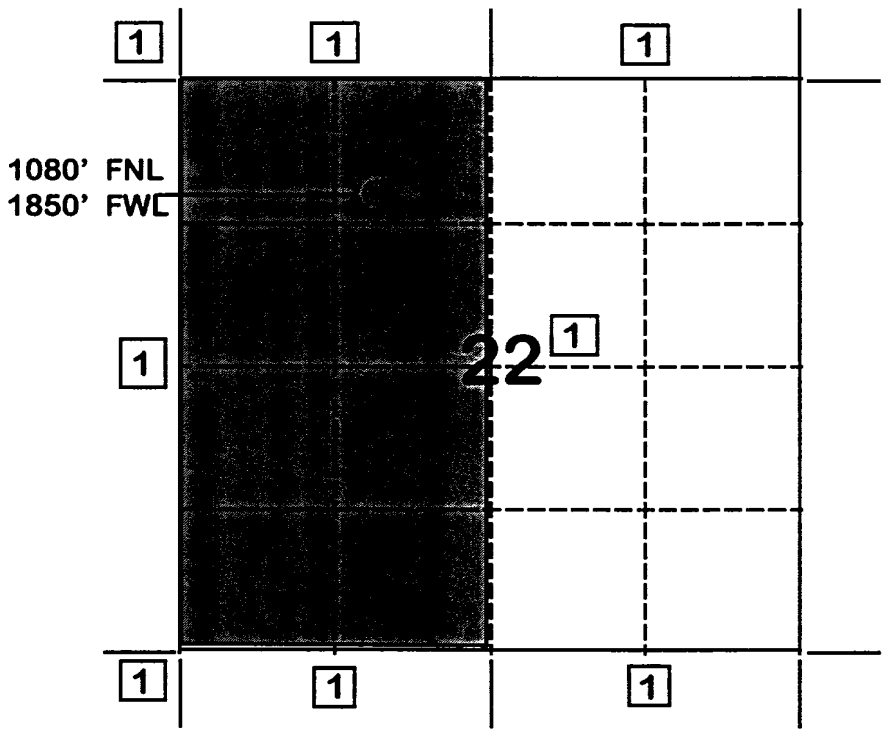


BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 28-6 Unit #124M
OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 28 North, Range 6 West



1) Burlington Resources Oil and Gas Company

SJ 28-6 Unit #124M

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde

MV-Current

GAS GRAVITY	0.726
COND. OR MISC. (C/M)	C
%N2	0.26
%CO2	0.89
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	5736
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	457
BOTTOMHOLE PRESSURE (PSIA)	532.5

MV-Original

GAS GRAVITY	0.726
COND. OR MISC. (C/M)	C
%N2	0.26
%CO2	0.89
%H2S	0
DIAMETER (IN)	2
DEPTH (FT)	5736
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1111
BOTTOMHOLE PRESSURE (PSIA)	1322.0

Dakota

DK-Current

GAS GRAVITY	0.651
COND. OR MISC. (C/M)	C
%N2	0.23
%CO2	0.64
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7816
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	764
BOTTOMHOLE PRESSURE (PSIA)	915.4

DK-Original

GAS GRAVITY	0.651
COND. OR MISC. (C/M)	C
%N2	0.23
%CO2	0.64
%H2S	0
DIAMETER (IN)	2.375
DEPTH (FT)	7816
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	2675
BOTTOMHOLE PRESSURE (PSIA)	3256.9

Print Time: Tue Aug 19 15:30:31 1997
Property ID: 4053
Property Name: SAN JUAN 28-6 UNIT | 62 | 51878A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

San Juan 28-6 Unit
124M
Mesaverde Offset

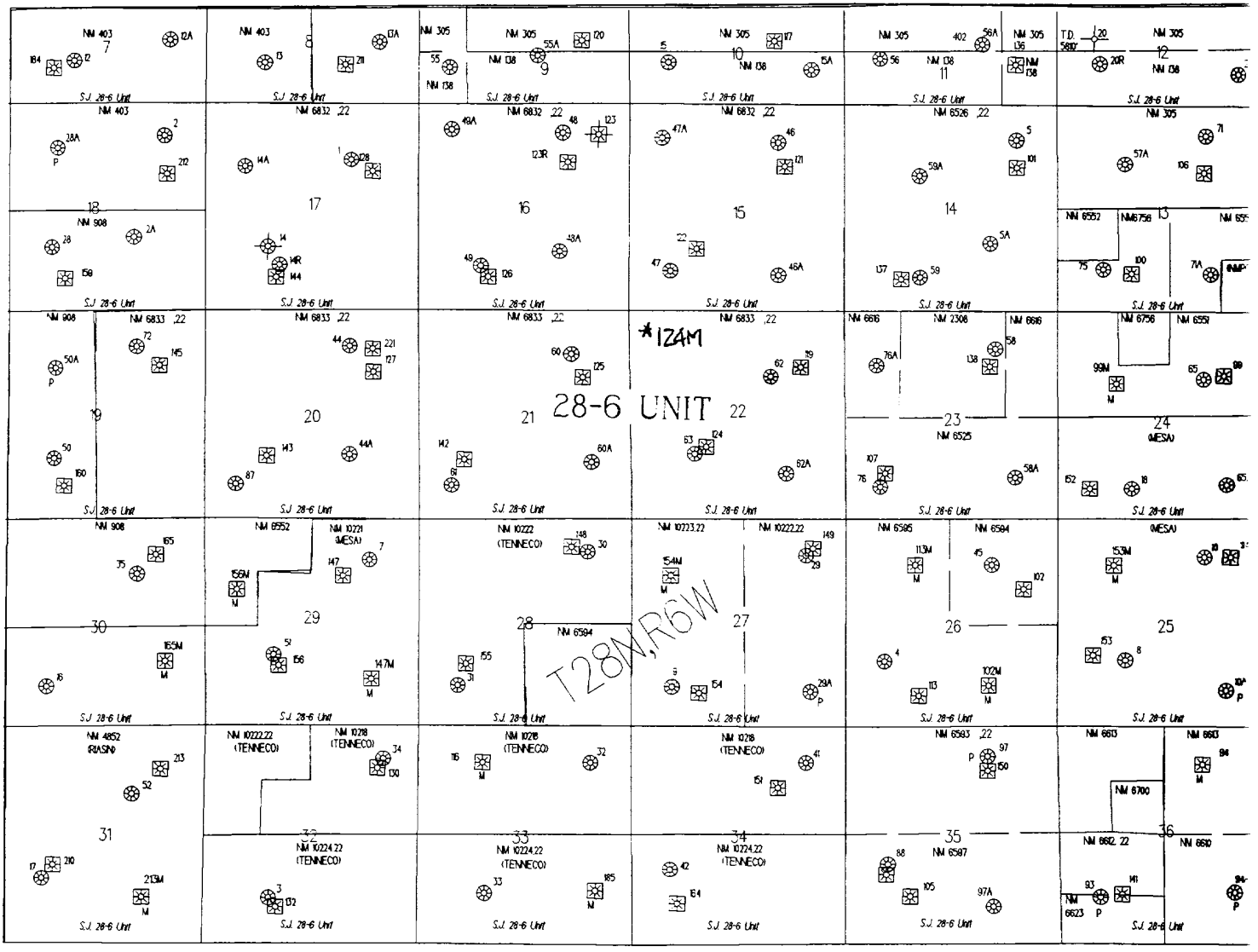
--DATE--	---CUM_GAS-- Mcf	M_SIWHP Psi	
03/16/56	0	1111.0	- original
12/30/57	277000	704.0	
10/29/58	437000	587.0	
06/14/59	532000	589.0	
06/14/60	634000	594.0	
06/13/61	735000	614.0	
05/29/62	800000	639.0	
09/13/63	917000	635.0	
05/26/64	966000	659.0	
03/08/65	1031000	652.0	
04/12/66	1139000	630.0	
11/24/67	1265000	579.0	
04/01/68	1283000	621.0	
06/23/69	1380000	563.0	
05/25/70	1456106	554.0	
05/04/71	1545698	509.0	
05/22/72	1625330	552.0	
08/21/73	1728136	442.0	
07/31/74	1802975	509.0	
07/12/76	1897122	621.0	
11/07/78	2030083	610.0	
12/04/79	2074188	627.0	
04/18/80	2089276	612.0	
05/18/82	2136177	642.0	
06/22/84	2184149	651.0	
10/17/86	2254866	531.0	
09/25/89	2442544	467.0	
06/14/91	2498317	435.0	
08/19/91	2506469	447.0	
05/03/93	2584707	457.0	- current

Page No.: 4
Print Time: Tue Aug 19 15:30:31 1997
Property ID: 1836
Property Name: SAN JUAN 28-6 UNIT | 119 | 52181A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

San Juan 28-6 Unit #124M
Dakota Offset

--DATE--	---CUM_GAS-- Mcf	M_SIWHP Psi	
12/09/65	0	2675.0	- original
10/21/66	85000	1329.0	
03/22/67	122000	1211.0	
04/01/68	193000	1064.0	
08/19/69	283113	837.0	
05/25/70	323187	790.0	
05/04/71	369417	632.0	
05/22/72	408614	727.0	
09/04/75	544893	646.0	
08/08/77	603050	728.0	
04/24/79	656061	660.0	
10/14/81	735216	785.0	
02/22/84	787687	848.0	
05/23/85	819873	862.0	
10/06/88	890278	847.0	
06/03/90	938031	782.0	
03/29/92	973302	764.0	- Current

San Juan 28-6 Unit #124M
Mesaverde / Dakota
28N-06W-22C



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:

c) 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 commingling 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.