

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 27-4 Unit

53

30-27N-04W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO.

14538

Property Code

7452

API NO.

30-039-2015000

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. 577 psi (see attachment) (Original) b. 1405 psi (see attachment)	RECEIVED APR - 5 1999 OIL CON. DIV. DIST. 3	a. 1352 psi (see attachment) b. 3203 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1173		BTU 1179
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:
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

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 ☒ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☒ 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. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ 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. ☒ Yes ☐ No
15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). ☐ attached
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 *Wayne Fletcher*

TITLE: Production Engineer

DATE: 3-29-99

TYPE OR PRINT NAME Wayne Fletcher

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 6
Revised February 21,
Instructions on
Submit to Appropriate District Office
State Lease - 4 C
Fee Lease - 3 C

☐ AMENDED RETURN

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20150		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7452	Property Name San Juan 27-4 Unit		Well Number 53
OGRID No. 14538	Operator Name Burlington Resources Oil & Gas Company		Elevation 6961

¹⁰ Surface Location

UL or lot no. B	Section 30	Township 27N	Range 4W	Lot Idn	Feet from the 900	North/South line North	Feet from the 1460	East/West line East	County RA
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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
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¹² Dedicated Acres MV-E/320 DK-E/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

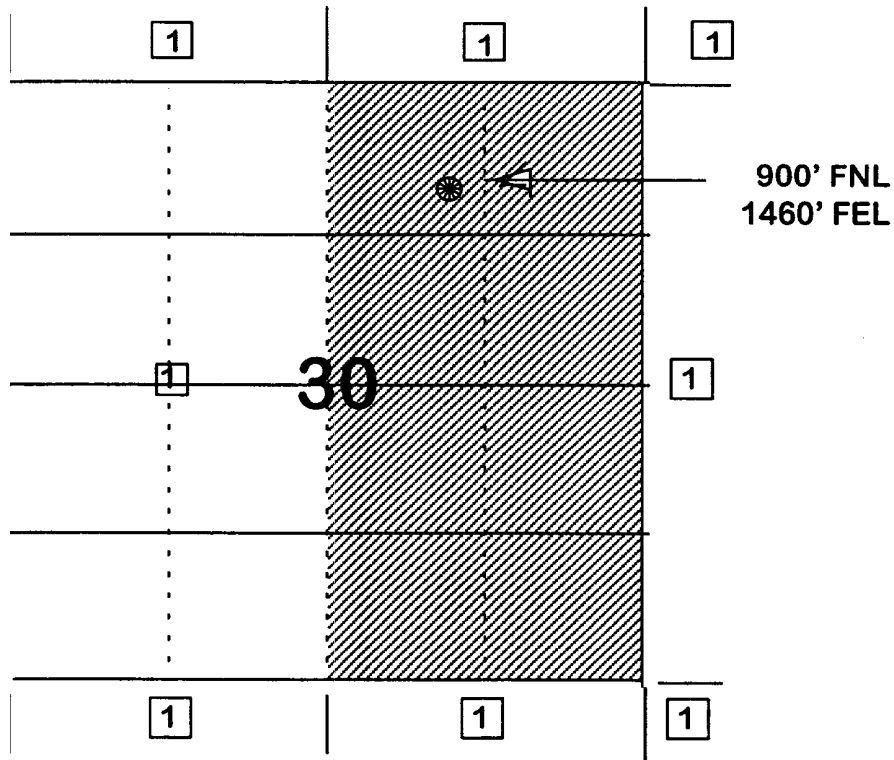
16 Original plat from David O. Vilven 7-22-68 RECEIVED APR - 5 1999 OIL CON. DIV. DIST. 3	17 OPERATOR CERTIFICATE I hereby certify that the information contained here is true and complete to the best of my knowledge and belief. Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date	
		18 SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

San Juan 27-4 Unit #53
OFFSET OPERATOR \ OWNER PLAT

Mesaverde/Dakota Formations

Commingled well

Township 27 North, Range 4 West

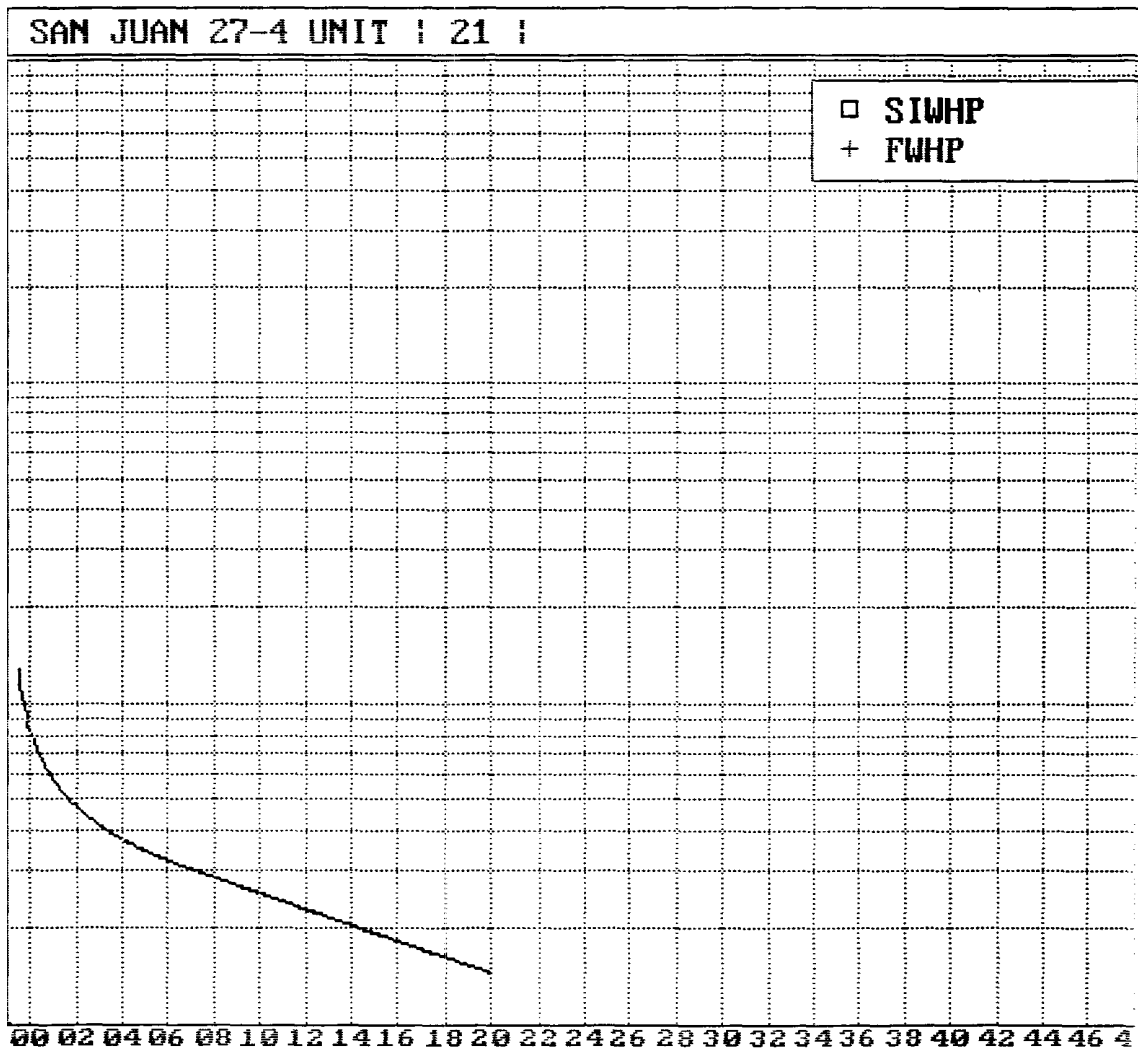


1) Burlington Resources

San Juan 27-4 Unit # 53

Expected Production

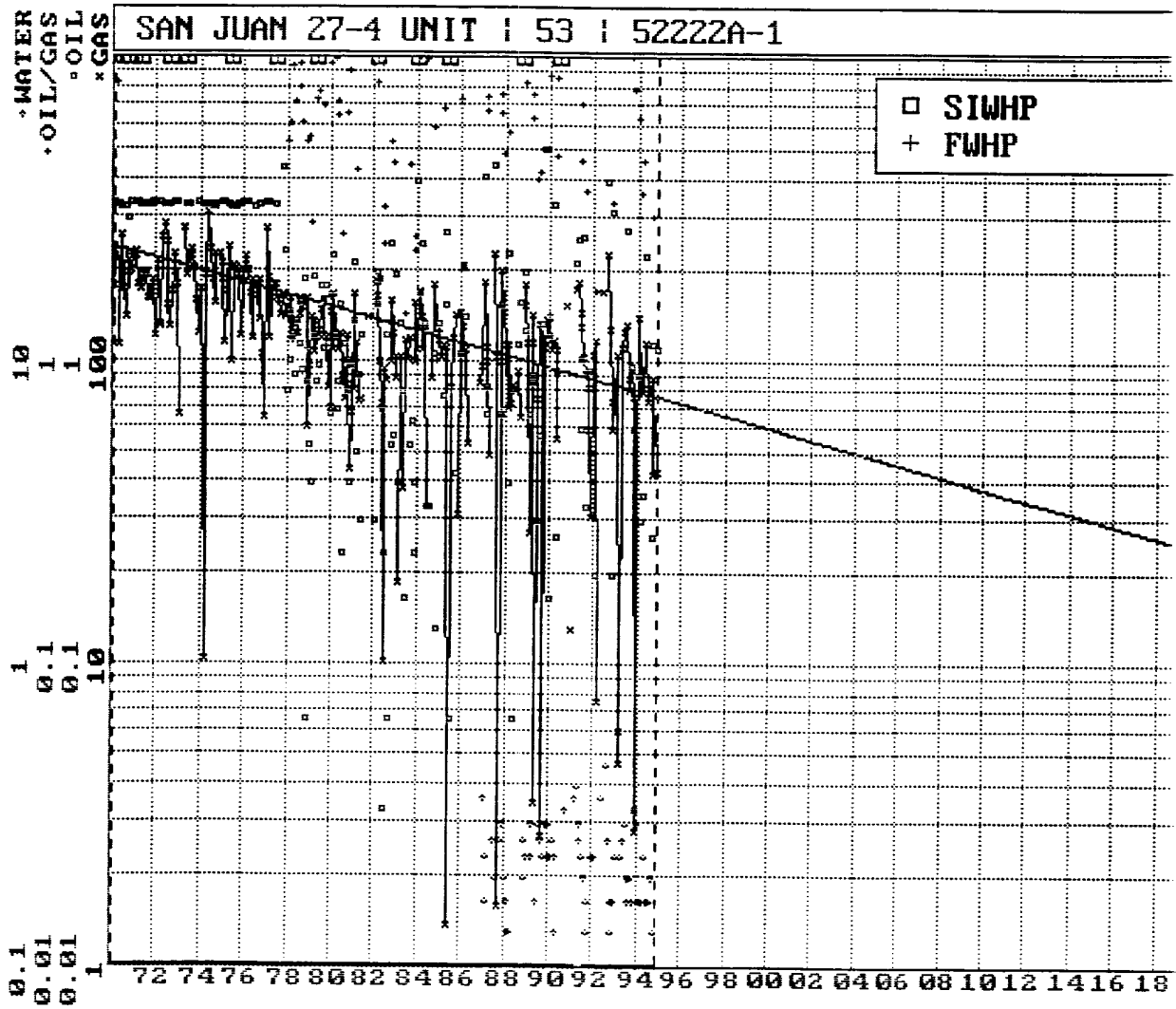
Mesaverde Formation



San Juan 27-4 Unit # 53

Actual Production

Dakota Formation



Mesaverde**MV-Current**

GAS GRAVITY	<u>0.685</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.41</u>
%CO2	<u>0.69</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7986</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>472</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>576.6</u>

Dakota**DK-Current**

GAS GRAVITY	<u>0.694</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.27</u>
%CO2	<u>1.07</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7986</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1097</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1352.2</u>

MV-Original

GAS GRAVITY	<u>0.685</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.41</u>
%CO2	<u>0.69</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7986</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>1122</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1404.6</u>

DK-Original

GAS GRAVITY	<u>0.694</u>
COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.27</u>
%CO2	<u>1.07</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>7986</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>2571</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>3203.4</u>

Page No.: 3

Print Time: Wed Mar 03 16:28:10 1999

Property ID: 1228

Property Name: SAN JUAN 27-4 UNIT | 23 | 53316B-1

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

--DATE-- ---CUM_GAS-- M SIWHP
Mcf Psi

11/16/59	0	1122.0
11/23/59	0	1109.0
10/06/60	26000	785.0
12/20/61	61000	650.0
08/06/62	73000	633.0
04/19/63	84000	630.0
10/22/64	105000	619.0
10/25/65	119000	561.0
04/19/66	126000	554.0
05/16/67	139000	550.0
05/02/68	149000	552.0
08/28/70	177163	502.0
04/08/71	185550	452.0
08/09/72	200982	448.0
12/06/83	311445	294.0
04/21/86	330787	394.0
09/08/89	350765	362.0
09/17/91	359451	460.0
10/01/91	359788	472.0

San Juan 27-4 Unit # 53

Mesaverde Offset

Page No.: 8

Print Time: Wed Mar 03 16:28:16 1999

Property ID: 1266

Property Name: SAN JUAN 27-4 UNIT | 53 | 52222A-1

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

--DATE-- ---CUM GAS-- M SIWHP
:Mcf: Psi:

10/24/68	0	2571.0
05/29/69	62000	1426.0
10/23/70	169922	1462.0
04/08/71	207192	1254.0
08/09/72	295517	1164.0
05/16/73	335127	915.0
06/24/75	472831	1015.0
07/06/77	603258	1019.0
05/01/79	694515	953.0
02/23/82	788878	1114.0
01/03/84	845353	1182.0
06/05/85	895734	1151.0
10/13/88	987003	1007.0
06/08/90	1046505	1097.0

San Juan 27-4 Unit # 53

Existing Dakota

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Cinco General Partnership
PO Box 451
Albuquerque, NM 87103-0451

x

Bedrock Limited Partners
PO Box 36480
Albuquerque, NM 87176

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Tempe LTD Partnership
c/o F.E. & M. K. Harrington
652 Fearrington Post
Pittsboro, NC 27312

x

Harco LTD Partnership
PO Box 216
Roswell, NM 88202

BURLINGTON
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SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
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Farmington, New Mexico 87499-4289

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SAN JUAN DIVISION
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Farmington, New Mexico 87499-4289

James V. Harrington
PO Box 13535
Albuquerque, NM 87192

x

Mary Jone Chappell
PO Box 1865
Corrales, NM 87048