DISTRICT I

Lease

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION

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

X Administrative ___Hearing

EXISTING WELLBORE

, (and/or) Fee

Lower Zone

DISTRICT II

San Juan 27-4 Unit

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

1000 Rio Brazos Rd, Aztec, NM 87410-1693

Burlington Resources Oil & Gas Company

OGRID NO. ____14538__ Property Code ____7452__

The following facts are submitted in support of downhole commingling:

APPLICATION FOR DOWNHOLE COMMINGLING

___ API NO. ___30-039-not assigned___

41M

Well No.

Upper Zone

DOWNHOLE COMMIN	YESx_NO
PO Box 4289, Far	mington, NM 87499
Address	
E 07-27N-04W	Rio Arriba
Unit Ltr Sec - Twp - Rge	County
	Spacing Unit Lease Types: (check 1 or more)

_Federal ___x___, State _

Intermediate Zone

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
Method of Production (Flowing or Artificial Lift)	flowing	010 /2 1 Drive	flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	(Current) a. 559 psi (see attachment)		a. 1085 psi (see attachment)
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1378 psi (see attachment)	b.	b. 3151 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1187		BTU 1102
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
11. Will cross-flow occur? x	yalty interests identical in all com g, and royalty interests been notifi ven written notice of the proposed Yes No If yes, are fluids co	mingled zones? ed by certified mail? downhole commingling? x_Yes mpatible, will the formations not	sx_No esNoNo be damaged will any cross-flowed
production be recovered, and wil 12. Are all produced fluids from all co		xYesNo (If No, atta	
13. Will the value of production be de			
14. If this well is on, or communitize Land Management has been notifi	d with, state or federal lands, eith	er the Commissioner of Public La	•
15. NMOCD Reference Cases for Rule			attached
* Production curve for e * For zones with no poor * Data to support allocal * Notification list of all o	be commingled showing its space ach zone for at least one year. (If duction history, estimated production method or formula. If set operators, king, overriding, and royalty interents, data, or documents required	ing unit and acreage dedication. not available, attach explanation.) tion rates and supporting data. ests for uncommon interest cases. to support commingling.	
I hereby certify that the information	tion above is true and comple	ete to the best of my knowled	ge and belief.
SIGNATURE Signa (Sol	estor TITLE: Rese	ervoir Engineer DATE:	06-29-98
TYPE OR PRINT NAME <u>Sean V</u>	Woolverton TELEPHON	E NO. (505) 326-9700	

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer K.K., Artosia, NM 87211-0719
District III

1000 Rio Brazos Rd., Aztec, NM 87410

PO Box 2088, Santa Fe, NM 87504-2088

District IV

State of New Mexico

Energy, Minerals & Natural Resources Department

Form C-10 Revised February 21, 199 Instructions on bac

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

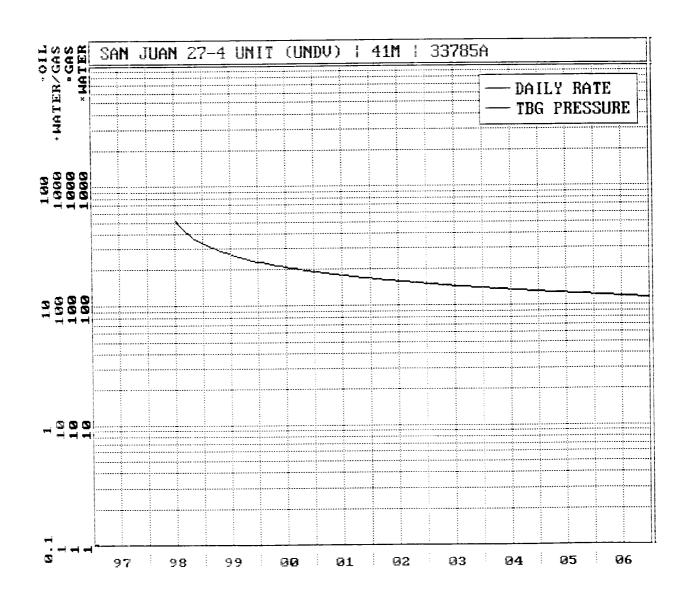
Submit to Appropriate District Offic State Lease - 4 Copi. Fee Lease - 3 Copic

AMENDED REPOR

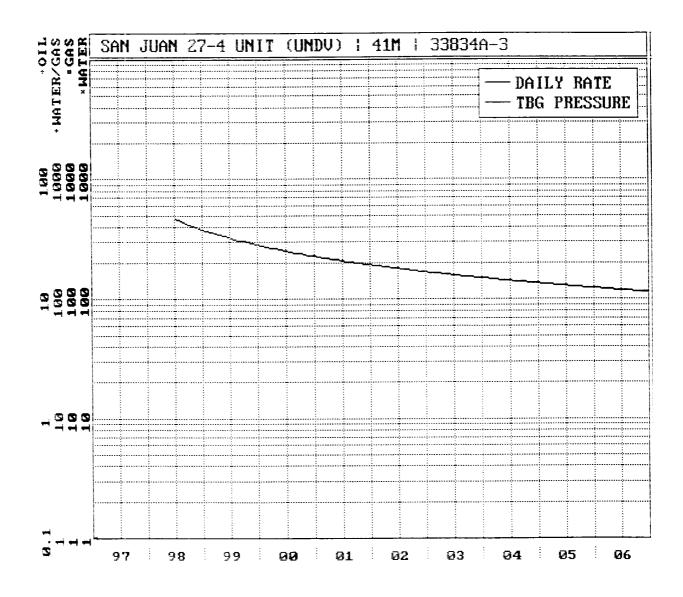
SURELL LOCATION AND ACREAGE DEDICATION PLAT

Prosperty Code SAN JUAN 27-4 UNIT Property Name # 41M 1 Property Name 1		API Number	WE:		ATION 1 Pool Code	AND ACRI	EAGE DEDIC	ATION PLA		
SAN JUAN 27-4 UNIT Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY 1 Surface Location UL or Let No. Sendon Township Respon Let Man Post from the 1990 NORTH 870 WEST RIO ARRIB "Bottom Hole Location If Different From Surface UL or let No. Sendon Township Respon Let Man Post from the North-Gonth line Post from the BuserWork line Commy "Bottom Hole Location If Different From Surface UL or let No. Sendon Township Respon Let Man Post from the North-Gonth line Post from the BuserWork line Commy "Different From Surface UL or let No. Sendon Township Respon Let Man Post from the North-Gonth line Post from the BuserWork line Commy "Bottom Hole Location If Different From Surface UL or let No. Sendon Township Respon Let Man Post from the North-Gonth line Post from the BuserWork line Commy "Bottom Hole Location If Different From Surface UL or let No. Sendon Township Respon Let Man Post from the North-Gonth line Post from the BuserWork line Commy "Bottom Hole Location In The Surface In the Surface Let Man Buser Let Man Post from the North-Gonth line Post from the BuserWork line Commy In the Surface Location In The Surface In the Surface Loc										
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San Juan 27-4 Unit #41M Expected Production Curve Blanco Mesaverde



San Juan 27-4 Unit #41M Expected Production Curve Basin Dakota



SJ 27-4 Unit #41M

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 0.46 %CO2 0.96 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) 0.699 0.46 0.47 0.	GAS GRAVITY COND. OR MISC. (C/M) %N2 %CO2 1.18 %H2S DIAMETER (IN) DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) BOTTOMHOLE PRESSURE (PSIA) 1085.4
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) 1377.7	GAS GRAVITY COND. OR MISC. (C/M) COND. OR MISC. (C/

Page No.: 1
Print Time: Fri Jan 16 15:06:02 1998
Property ID: 3756
Property Name: SAN JUAN 27-4 UNIT | 123 | 53332A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

DATE	M SIWHP	San Juan 27-4 Unit #41M
08/24/77 01/10/78 11/10/78 10/03/79 06/04/80 11/01/82 06/21/84 11/06/86 08/07/89 03/18/91 06/07/91 05/31/93	649.0 539.0 464.0 432.0 509.0 472.0 408.0 668.0 504.0	mv Offset

Page No.: 1
Print Time: Fri Jan 16 15:04:54 1998
Property ID: 1640
Property Name: SAN JUAN 27-4 UNIT | 5 | 49505A-1
Table Name: K:\ARIES\RR98PDP\TEST.DBF

DATE	M SIWHP	San Juan 27-4 Unit #41M
09/14/55 06/14/59 09/22/60 06/13/61 07/31/62 01/07/63 01/02/64 01/26/65 08/01/66 08/04/67 05/10/68 06/09/70 05/03/71 05/30/72 06/23/75 07/06/77 10/03/79 05/21/81	2562.0 - Original 1993.0 1944.0 1841.0 1947.0 1942.0 1920.0 1929.0 1984.0 1863.0 1908.0 1602.0 1474.0 1379.0 1117.0 1020.0 690.0	DK offset
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San Juan 27-4 Unit =41M Blanco Mesaverde/ Basin Dakota 27N-4W-07D

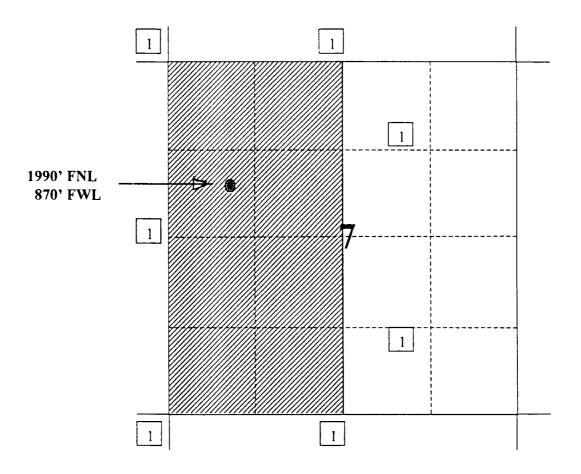
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BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-4 Unit #41M

OFFSET OPERATOR/OWNER PLAT Mesaverde / Dakota Formations Commingle Well

Township 27 North, Range 4 West



1) Burlington Resources