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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

15

- Engineering Bureau -2040 South Pacheco, Santa Fe, NM 87505





ADMINISTRATIVE APPLICATION COVERSHEET

	<i>7</i> 40	MINIOTRATIVE ALL LIGATION GOVERNO
THIS	COVERSHEET IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applic	[DHC-Downh [PC-Pool [W	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] ole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] /FX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] led Enhanced Oil Recovery Certification] [PPR-Positive Production-Response]
[1]	[A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD DSD JUL - 8 1938
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery ☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
[2]	NOTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	☐ Offset Operators, Leaseholders or Surface Owner
	[C]	☐ Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	☐ Waivers are Attached
[3]	INFORMAT	ION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. *I understand that any omission of data* (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note:	Statement must be completed by an indi	ividual with managerial and/or superv	isory capacity.
·	($($ $($ $($ $($ $)$		·····
Print or Type Name	Signature Stady	Title	Date

<u>DISTRICT I</u>

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

APPLICATION FOR DOWNHOLE COMMINGLING

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

Burlington Resources Oil & Gas C		PO Box 4289, Farmingto	on, NM 87499
erator an Juan 27-4 Unit		07-27N-04W	Rio Arriba
sse GRID NO14538 Property Code			County Spacing Unit Lease Types: (check 1 or more), State, (and/or) Fee
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Zower Zone
I. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion	on	will be supplied upon completion
3. Type of production (Oil or Gas)	gas		gas
Method of Production (Flowing or Artificial Lift)	flowing		flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	(Current) a. 559 psi (see attachment)	a.	a. 1085 psi (see attachment)
Gas & Oil - Flowing: 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 istimates 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
. If allocation formula is based u	pon something other than cu	rrent or past production, or is t	pased upon some other method, su her required data.
D. Are all working, overriding, and ro If not, have all working, overridin Have all offset operators been gi	1		
I. Will cross-flow occur?	Yes No If yes, are fluids		not be damaged, will any cross-flo
2. Are all produced fluids from all co	ommingled zones compatible w	vith each other?x_Yes	No
3. Will the value of production be de	–	, ,	•
I. If this well is on, or communitize Land Management has been notif	ed with, state or federal lands, ied in writing of this application	either the Commissioner of Pub nXYes No	lic Lands or the United States Burea
5. NMOCD Reference Cases for Rule	303(D) Exceptions: ORDER	NO(S)	
G. ATTACHMENTS: * C-102 for each zone to * Production curve for e * For zones with no pro * Data to support alloca * Notification list of all e * Notification list of wor * Any additional statem	o be commingled showing its seach zone for at least one year. duction history, estimated pro- duction history, estimated pro- tion method or formula. offset operators. rking, overriding, and royalty in ents, data, or documents requi	pacing unit and acreage dedication (If not available, attach explanate duction rates and supporting data atterests for uncommon interest carred to support commingling.	on. ion.) a.
hereby certify that the informa	tion above is true and con	nplete to the best of my know	vledge and belief.
SIGNATURE Secon less	herton TITLE: F	Reservoir Engineer DA	TE: <u>06-29-98</u>

TYPE OR PRINT NAME <u>Sean Woolverton</u> TELEPHONE NO. (505) 326-9700

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III

1000 Rio Brazos Rd., Aztoc, NM 87410

PO Box 2088, Senta Pe. NM 87504-2088

District IV

State of New Mexico

Boorgy, Minorals & Natural Resources Department

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

Form C Revised February 21.

Instructions on Submit to Appropriate District C

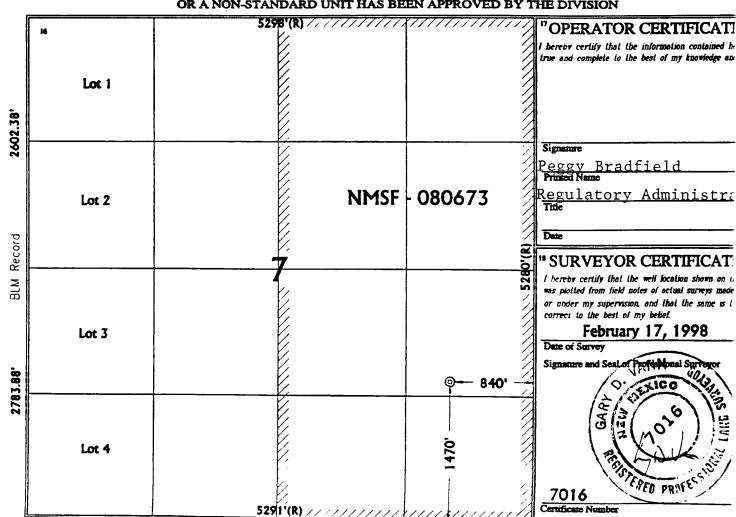
State Lease - 4 Co Fee Lease - 3 Co

AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT 'API Number 'Pool Code 'Pool Name 30-039- 72319/71599 Blanco Mesaverde/Basin Dakota 'Property Code 'Property Name 'Well Number 'Property Name 'Well Number 'Property Name '

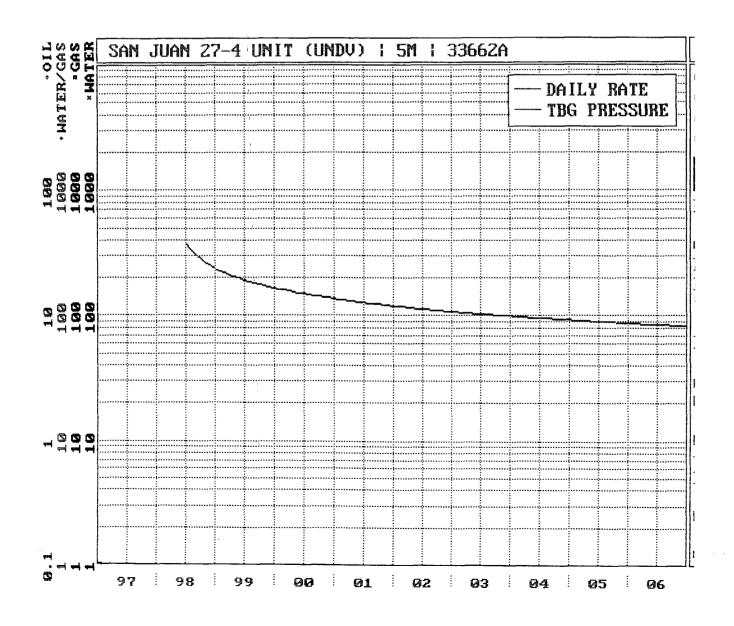
North/South line Peet from the Bast/West lime UL or Lot No. Section Renee Lot Ide Foot from the **RIO** ARI 1470 **EAST** I 7 27 N '4 W SOUTH 840 "Bottom Hole Location If Different From Surface East/West line 'UL or lot no. Rango Foot from the North/South line Feet from the Township " Podicated Acres MV – E / 320 Joint or Infill DK-E/320

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

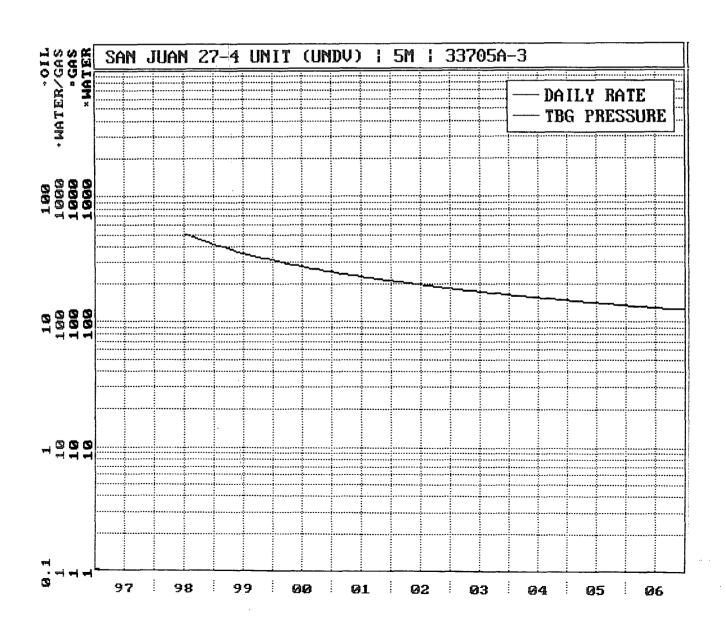


(R) - GLO Recora

San Juan 27-4 Unit #5M Expected Production Curve Blanco Mesaverde



San Juan 27-4 Unit #5M Expected Production Curve Basin Dakota



SJ 27-4 Unit #5M

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

Mesaverde	Dakota
<u>MV-Current</u>	<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) BOTTOMHOLE PRESSURE (PSIA) 558.9	GAS GRAVITY COND. OR MISC. (C/M) %N2 0.16 %CO2 1.18 %H2S 0 DIAMETER (IN) 2 DEPTH (FT) SURFACE TEMPERATURE (DEG F) BOTTOMHOLE TEMPERATURE (DEG F) FLOWRATE (MCFPD) SURFACE 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) %N2

Page No.: 2

Print Time: Mon Jan 19 14:57:53 1998

Property ID: 3756

Property Name: SAN JUAN 27-4 UNIT | 123 | 53332A-1 Table Name: K:\ARIES\RR98PDP\TEST.DBF

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06/04/80 11/01/82	432.0		••
06/21/84 11/06/86	472.0 408.0		
08/07/89 03/18/91	668.0 504.0		
06/07/91 05/31/93	516.0	-current	
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Page No.: 1

Print Time: Mon Jan 19 14:57:53 1998

Property ID: 1640
Property Name: SAN JUAN 27-4 UNIT | 5 | 49505A-1
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07/31/62 19	947.0		
01/07/63 19	942.0		
01/02/64 19	920.0		
01/26/65 19	929.0		
08/01/66 19	984.0		
08/04/67 18	363.0		
05/10/68 19	908.0		
06/09/70 16	502.0		
05/03/71 14	174.0		
05/30/72 13	379.0		
06/23/75 11	L17.0		
07/06/77 10	020.0		
10/03/79 6	590.0		
05/21/81 9	914.0		
06/06/85 8	395.0-Current		

San Juan 27-4 Unit #5M Blanco Mesaverde / Basin Dakota 27N-04W-07

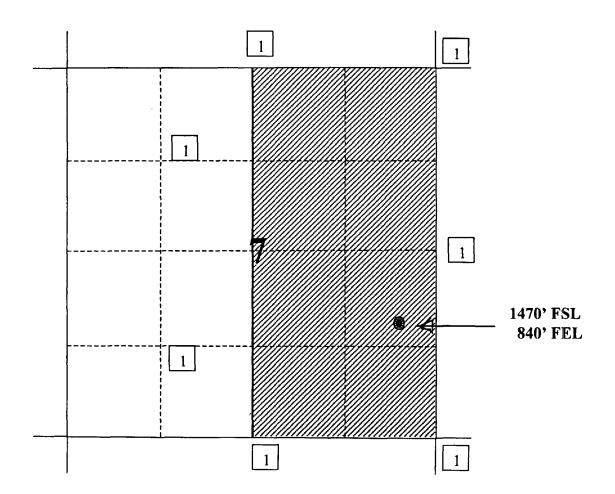
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BURLINGTON RESOURCES OIL AND GAS COMPANY

San Juan 27-4 Unit #5M

OFFSET OPERATOR/OWNER PLAT Mesaverde / Dakota Formations Commingle Well

Township 27 North, Range 4 West



1) Burlington Resources