

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 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative
☐ Hearing

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☒ YES ☐ NO

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

SAN JUAN 29-7 UNIT

167

M 32-29N-7W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7465 API NO. 30-039-2606100

Federal 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	Basin Fruitland Coal - 71629		Blanco Pictured Cliffs - 72359
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	a. (Current) 463 psi (see attachment) b. (Original) 1063 psi (see attachment)	a. JUN 21 1999 OIL CON. DIV. DIST. 3	a. 394 psi (see attachment) b. 1139 psi (see attachment)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	BTU 1201		BTU 1188
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 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 ☐ No11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flow 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 ☐ No13. 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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S) _____

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 Leonard J. Biemer Jr. TITLE Production Engineer DATE 6/17/99TYPE OR PRINT NAME L. J. Biemer Jr.TELEPHONE NO. (505) 326-9703

District I
PO Box 1380, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

Instructions on back

District II
PO Drawer DD, Artesia, NM 88211-0719

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26061		*Pool Code 71629/72359	*Pool Name Basin Fruitland Coal/Blanco Pict.Cliffs
*Property Code 7465	*Property Name SAN JUAN 29-7 UNIT		*Well Number 167
*CGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6763'

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
1'	32	29N	7W		1045	SOUTH	790	WEST	RIO ARriba

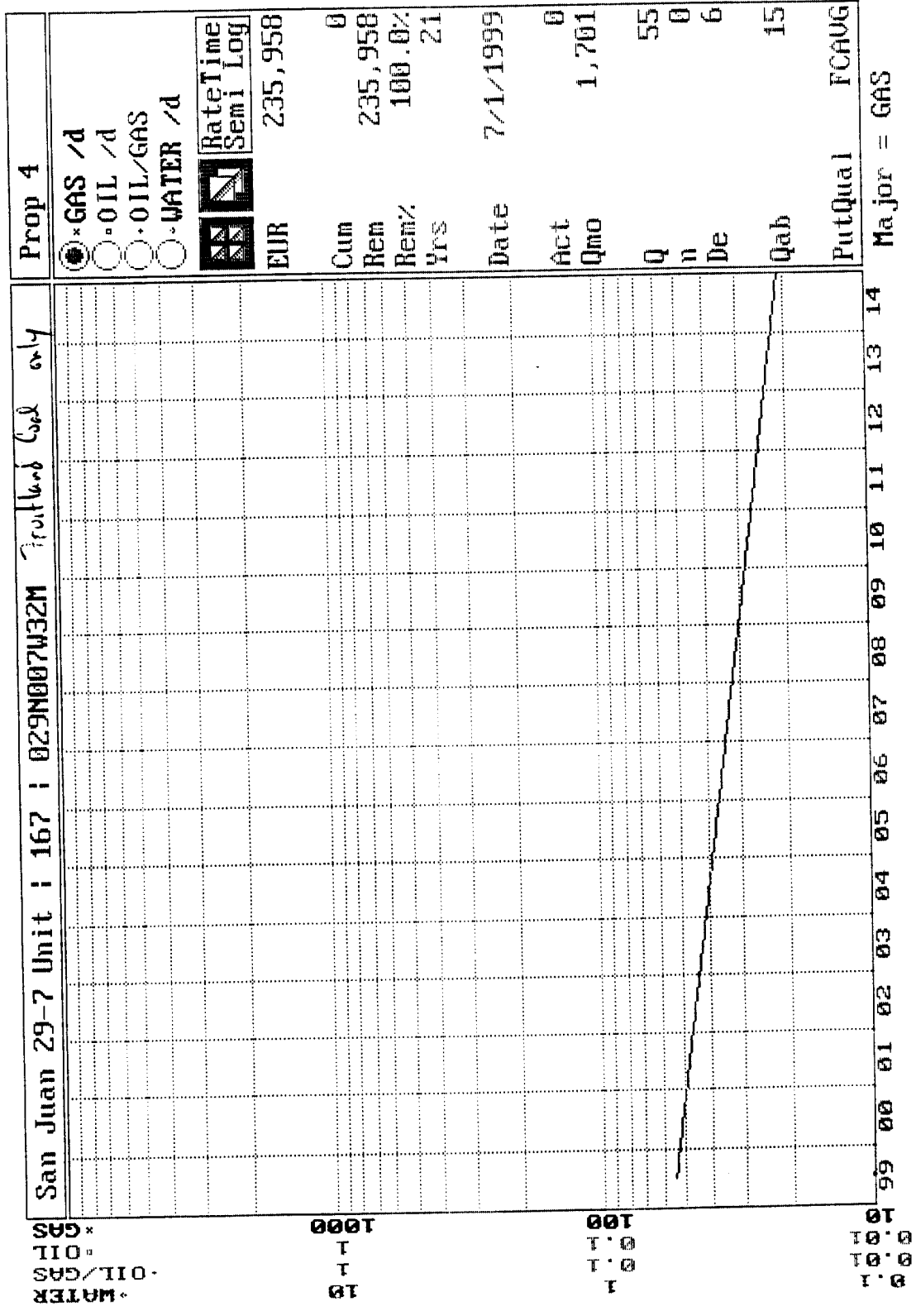
11 Bottom Hole Location If Different From Surface

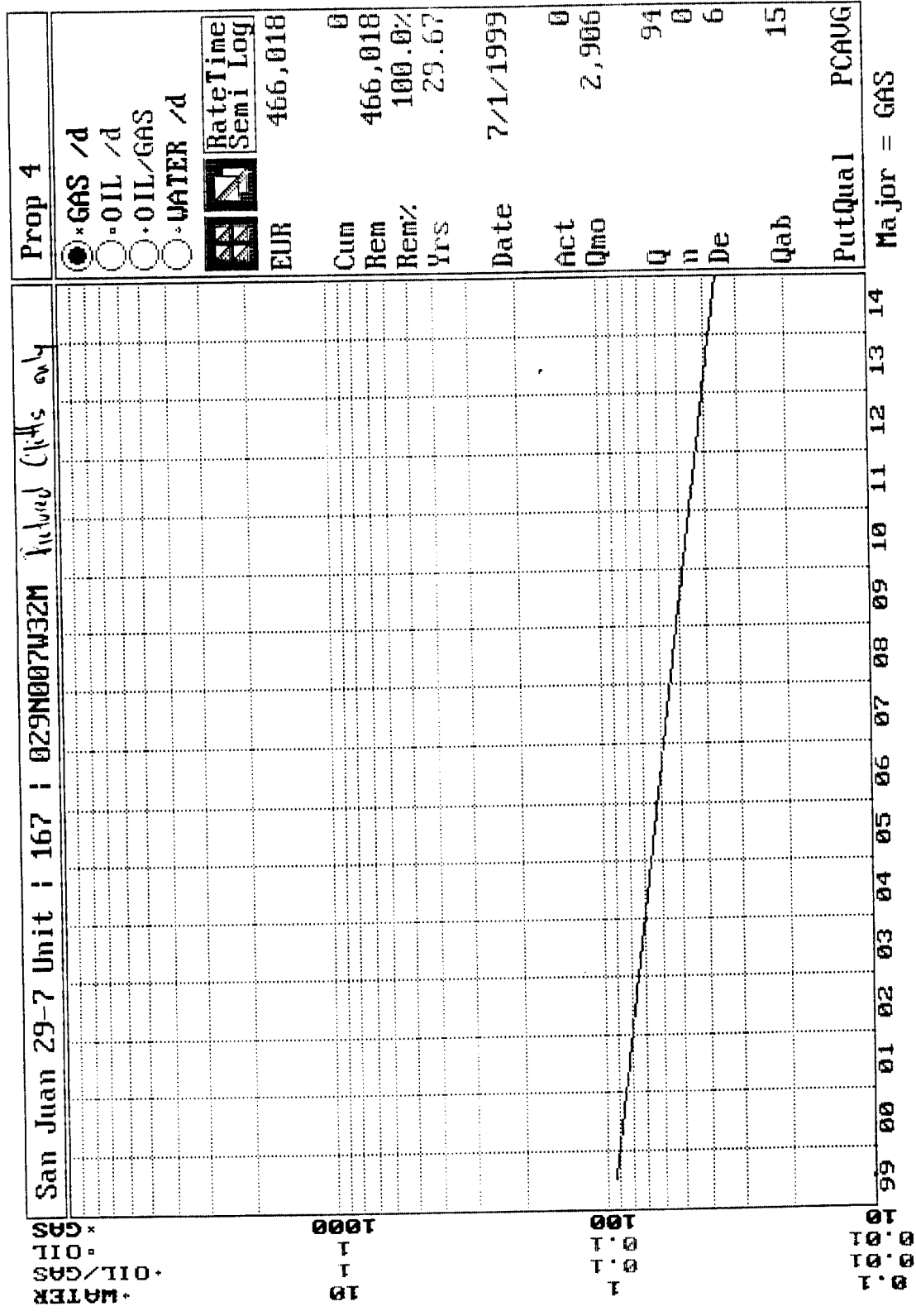
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres FIC-W/320 PC-160	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 B-10037-78-N B-10037-83-N E-3542-15-NM 790' 1045' 5280.00 5280.00 5280.00 5277.36' 32	RECEIVED JUN 21 1999 OIL CON. DIV. DIST. 3	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Bradfield Printed Name Regulatory Administrator Title Date
		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 16, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number





San Juan 29-7 Unit #167

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Fruitland Coal		Pictured Cliffs	
<u>FTC-Current</u>		<u>PC-Current</u>	
GAS GRAVITY	0.691	GAS GRAVITY	0.691
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.43	%N2	0.72
%CO2	1.06	%CO2	0.47
%H2S	0	%H2S	0
DIAMETER (IN)	4.05	DIAMETER (IN)	2.34
DEPTH (FT)	3370	DEPTH (FT)	3474
SURFACE TEMPERATURE (DEG F)	61	SURFACE TEMPERATURE (DEG F)	61
BOTTOMHOLE TEMPERATURE (DEG F)	110	BOTTOMHOLE TEMPERATURE (DEG F)	110
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	425	SURFACE PRESSURE (PSIA)	361
BOTTOMHOLE PRESSURE (PSIA)	463.5	BOTTOMHOLE PRESSURE (PSIA)	394.3
<u>FTC-Original</u>		<u>PC-Original</u>	
GAS GRAVITY	0.691	GAS GRAVITY	0.63
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.43	%N2	0.72
%CO2	1.06	%CO2	0.47
%H2S	0	%H2S	0
DIAMETER (IN)	4.05	DIAMETER (IN)	2.34
DEPTH (FT)	3370	DEPTH (FT)	3474
SURFACE TEMPERATURE (DEG F)	61	SURFACE TEMPERATURE (DEG F)	61
BOTTOMHOLE TEMPERATURE (DEG F)	111	BOTTOMHOLE TEMPERATURE (DEG F)	129
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	966	SURFACE PRESSURE (PSIA)	1045
BOTTOMHOLE PRESSURE (PSIA)	1063.1	BOTTOMHOLE PRESSURE (PSIA)	1139.3

BURLINGTON RESOURCES OIL AND GAS COMPANY

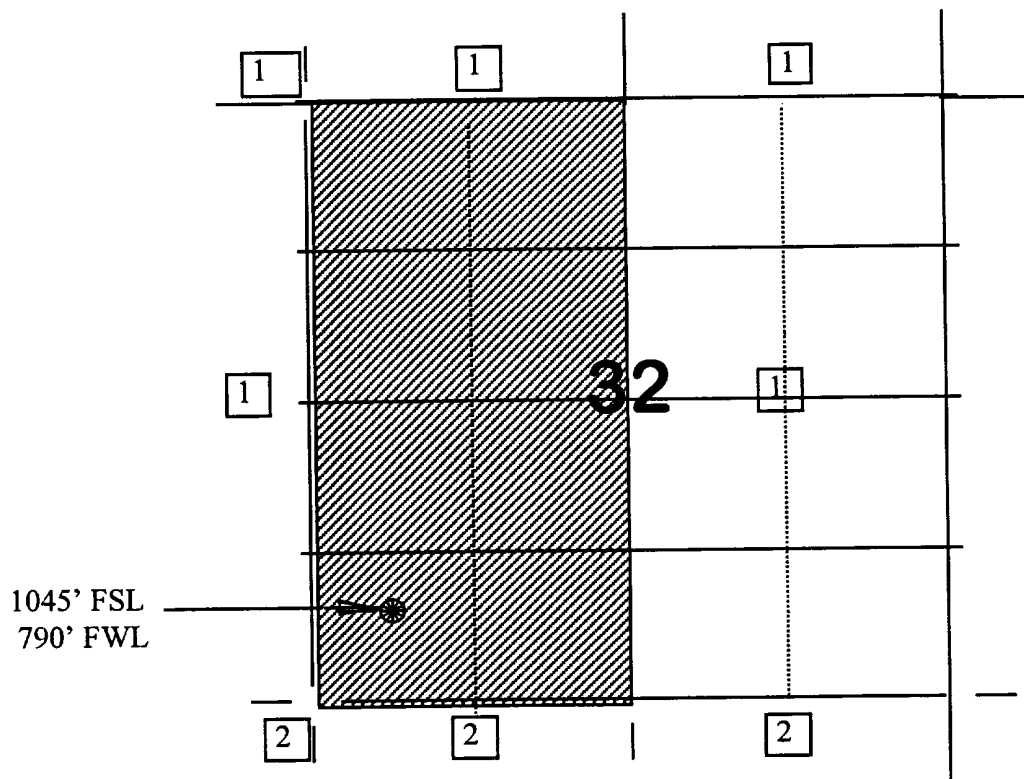
San Juan 29-7 Unit #167

OFFSET OPERATOR/OWNER PLAT

Fruitland Coal (W/2) & Pictured Cliffs (SW/4) Formations

Commingle well

Township 29 North, Range 7 West



1) Burlington Resources

**2) Conoco Inc.
10 Desta Drive, Suite 100W
Midland, Texas**

R7W

	#513 ▲ 30	29 #569 ▲	28
	31	32 574 ▲ #167 ▲	33 514 ▲
7	8	9	
18	12 ▲ 17	16	

T29N

T28N

San Juan 29-7 #167

T29N R7W Sec. 32

DATE: August 31, 1998
 NAME: SAN JUAN 29-7 UNIT 167
 FORM: PICTURED CLIFF

LOCATION
 UNIT: M
 SEC: 32
 TWN: 29N
 RNG: 7W

LEGEND
 COMPLETION DATE
 WELL NAME
 EUR/CUM(MMF)

[28]	[29]	[30] P&A 7/73 San Juan 29-7 Unit 104 176/173 (ee)
[33]	[32] 8/93 San Juan 29-7 NP 574 139/41 (ee)	[31] 12/82 San Juan 29-7 Unit 115 506/277 (ee) 8/72 P&A 7/81 SJ 29-7 Unit 118 113/108 (ee) San Juan 29-8 Unit 167
[9]	[8] 4/82 San Juan 28-7 Unit 20A 1070/417 (ee)	[7] 5/74 San Juan 28-7 Unit 179 601/478 (ee)

R-7-W