

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First St., Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410
DISTRICT IV
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6429
APPLICATION FOR DOWNHOLE COMMINGLING

Form C-107-A
Revised August 1999

APPROVAL PROCESS:

___ Administrative ___ Hearing

EXISTING WELLBORE

___X___ YES ___ NO

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

GRENIER

15

F 18-31N-11W

SAN JUAN

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18530 API NO. 30-045-11668 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	RECEIVED DEC - 1 1999 OIL CON. DIV. DIST. 3	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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 544 psi (see attachment) b. (Original) 876 psi (see attachment)	a. (Current) b. (Original)	a. (Current) 693 psi (see attachment) b. (Original) 2162 psi (see attachment)
6. Oil Gravity (EAPI) or Gas BTU Content	BTU 1220		BTU 1189
7. Producing or Shut-In?	SHUT-IN		SHUT-IN
Production Marginal? (yes or no)	NO		YES
* If Shut-In, give date and oil/gas/ water rates of last production	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: N/A Rates:	Date: N/A Rates:	Date: N/A Rates:

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-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-11668		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 18530		5 Property Name Grenier			6 Well Number 15
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6147' GR

10 Surface Location

UL or lot no. F	Section 18	Township 31N	Range 11W	Lot Idn	Feet from the 1470	North/South line North	Feet from the 1690	East/West line West	County SJ
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	--------------

11 Bottom Hole Location If Different From Surface

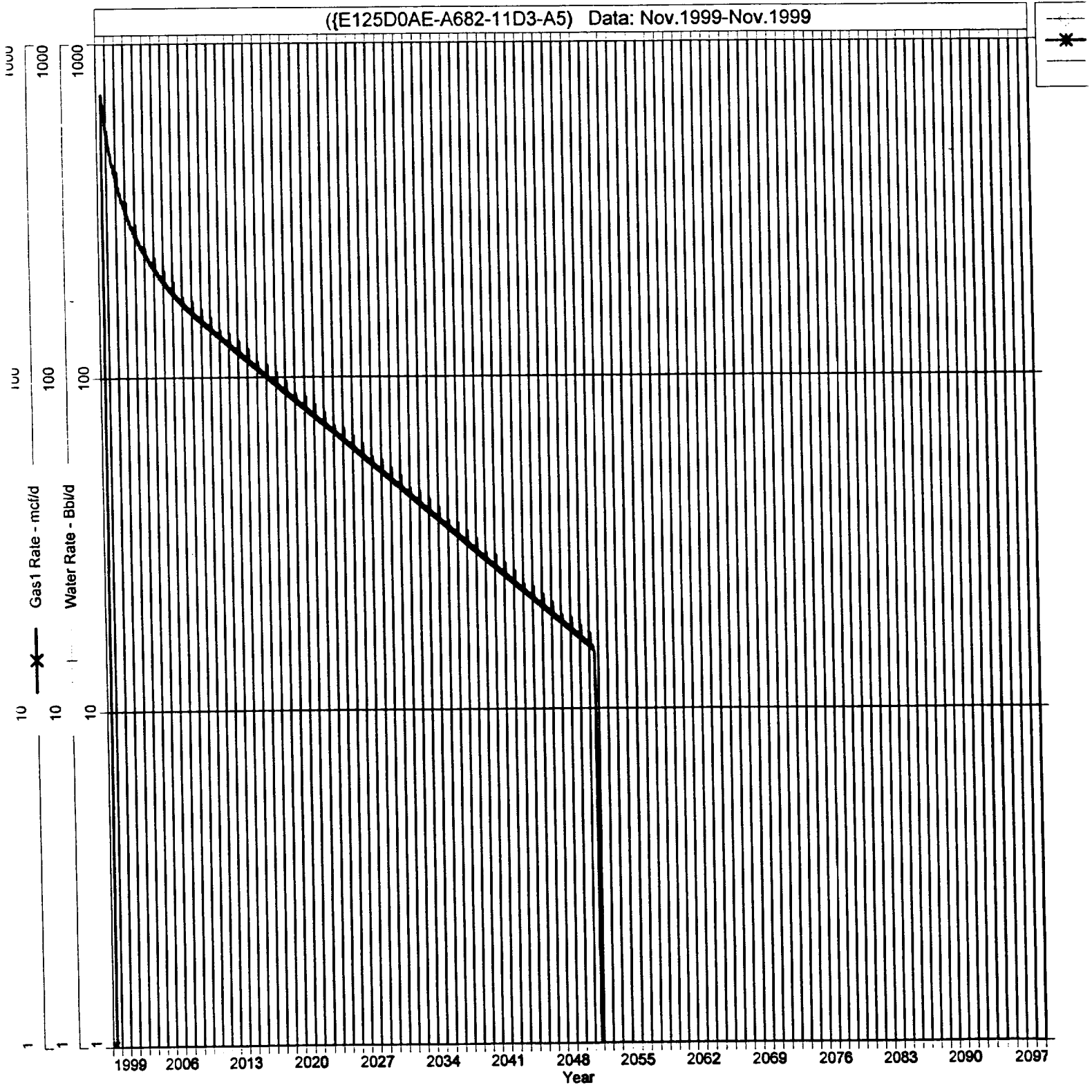
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres W/320.40	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------------------	--------------------	-----------------------	--------------

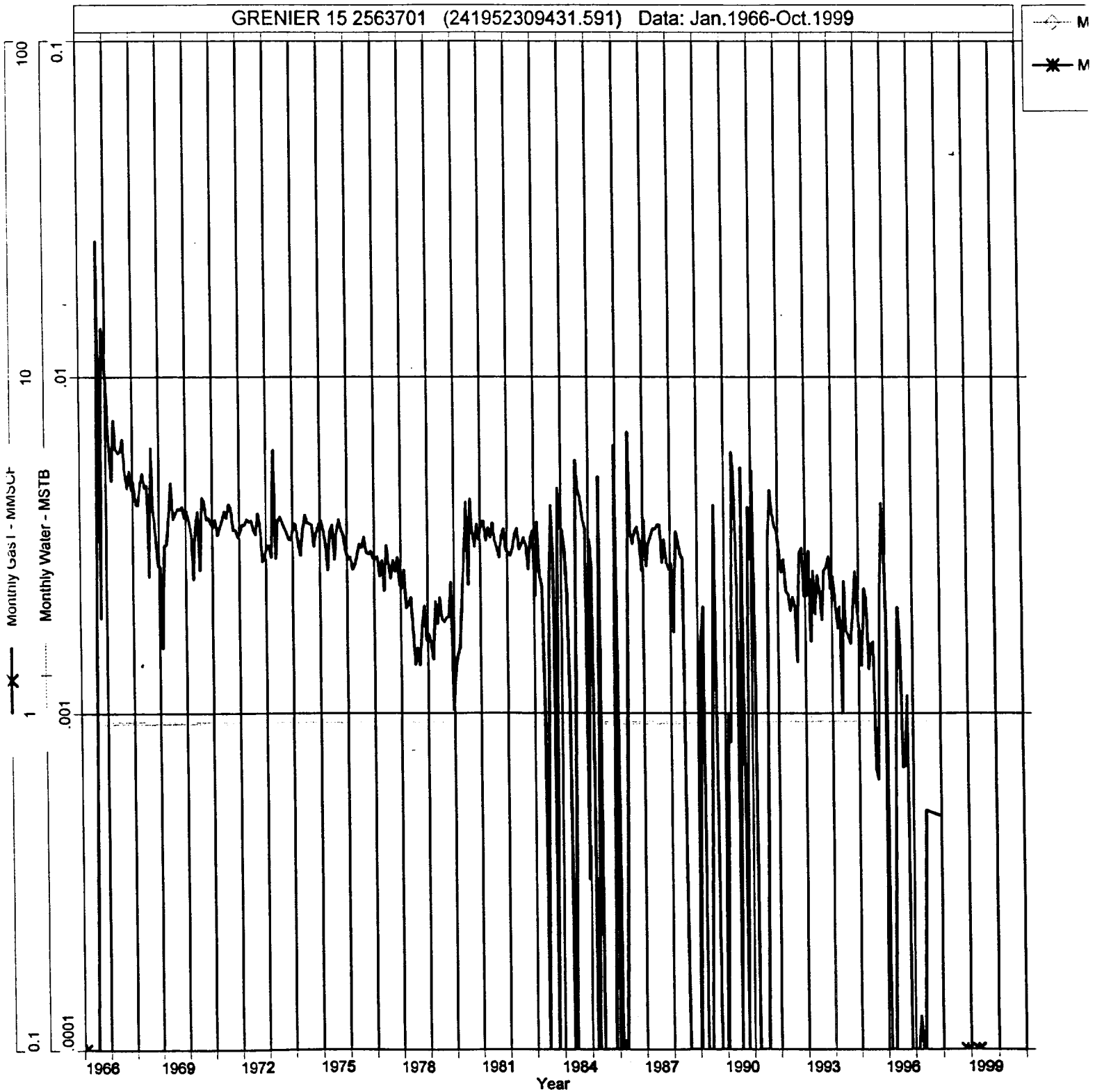
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
Original plat from E.V. Echohawk 3-26-66				Signature Peggy Cole	
1690'				Printed Name Regulatory Administrator	
1470'				Title	
RECEIVED DEC - 1 1999 OIL CON. DIV. DIST. 3				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.	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	

Grenier #15
Expected Production
Mesaverde Formation



Grenier #15
Actual Production
Dakota Formation



Grenier #15
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	0.703	GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.26	%N2	0.26
%CO2	0.84	%CO2	1.9
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	5084	DEPTH (FT)	7135
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	477	SURFACE PRESSURE (PSIA)	582
BOTTOMHOLE PRESSURE (PSIA)	543.8	BOTTOMHOLE PRESSURE (PSIA)	692.9
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.703	GAS GRAVITY	0.7
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.26	%N2	0.26
%CO2	0.84	%CO2	1.9
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	5084	DEPTH (FT)	7135
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	763	SURFACE PRESSURE (PSIA)	1771
BOTTOMHOLE PRESSURE (PSIA)	876.0	BOTTOMHOLE PRESSURE (PSIA)	2162.1

Grenier #15
Dakota Offset

<u>Wellname</u>	<u>Date</u>	<u>Pressure</u>
GRENIER 15E	06/21/82	1,771
GRENIER 15E	10/16/82	1,591
GRENIER 15E	08/24/83	1,232
GRENIER 15E	08/08/84	998
GRENIER 15E	05/29/85	1,013
GRENIER 15E	10/19/88	712
GRENIER 15E	06/08/90	697
GRENIER 15E	06/02/92	656
GRENIER 15E	03/30/94	582

Grenier #15
Mesaverde Offset

<u>Wellname</u>	<u>Date</u>	<u>Pressure</u>
GRENIER 2	01/23/51	763
GRENIER 2	11/19/70	595
GRENIER 2	05/26/71	539
GRENIER 2	06/18/72	522
GRENIER 2	05/02/73	536
GRENIER 2	06/02/74	514
GRENIER 2	06/26/76	449
GRENIER 2	08/25/78	491
GRENIER 2	08/24/80	502
GRENIER 2	07/24/82	496
GRENIER 2	08/22/84	507
GRENIER 2	07/16/86	519
GRENIER 2	08/28/89	474
GRENIER 2	05/15/91	480
GRENIER 2	05/29/91	492
GRENIER 2	06/30/93	477

31N-11W-18