

BURLINGTON RESOURCES

SAN JUAN DIVISION

August 16, 1996

Mr. William LeMay
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: East #7 *D-14*
790'FNL, 790'FWL Section 12, T-31-N, R-12-W, San Juan County, NM
API #30-045-10814

RECEIVED
AUG 19 1996
OIL CON. DIV.
DIST. 3

Dear Mr. LeMay:

This is a request for administrative approval for downhole commingling the Blanco Mesa Verde and Basin Dakota pools in the subject well. It is intended to add the Mesa Verde formation to this Dakota well and commingle both formations.

To comply with the New Mexico Oil Conservation Division rules, Burlington Resources Oil & Gas Company is submitting the following for your approval of this commingling:

1. Form C107A - Application for Downhole Commingling;
2. C-102 plat for each zone showing its spacing unit and acreage dedication;
3. Production curve for the Dakota for at least one year;
4. Notification list of offset operators - Meridian is the surrounding operator;
5. Shut in wellhead pressure and calculated down hole pressure;
6. Nine-section plats for the Mesa Verde and Dakota.

The ownership for both the Mesa Verde and Dakota are common in this well. No notification to interest owners is required.

The allocation formula will be based off actual flow rates from the Mesa Verde and Dakota formations.

Please let me know if you require additional data.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

encs.

xc: Bureau of Land Management

RECEIVED
AUG 19 1996
OIL CON. DIV.
DIST. 3

✓

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 87505-6429

Form C-107-A
New 3-12-98

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

East

7

D-14-31N-12W

San Juan

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 18517 API NO. 30-045-10814 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	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	Will be supplied upon completion		7298-7440'
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. Will be supplied after completion	a.	a. 824 psi (see attached)
	(Original) b. Will be supplied after completion	b.	b. 2401 psi (see attached)
6. Oil Gravity (°API) or Gas BTU Content	BTU 1159 - (from Harper #1A) (See attached 9-section map)		BTU 1147
7. Producing or Shut-In?	Not yet completed		producing
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: Rates: Will be supplied when completed	Date: Rates:	Date: 7-98 (see attached plot) Rates: 35 BOPD, 30 MCF/D
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: % Gas: % Will be supplied when completed	Oil: % Gas: %	Oil: % Gas: % Will be supplied when completed

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. 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 Peggy Bradfield TITLE Regulatory Administrator DATE 8-2-96

TYPE OR PRINT NAME Peggy Bradfield TELEPHONE NO. (505) 326-9700

1978, Hobbs, NM 88241-1900
Drawer DD, Artesia, NM 88211-8719
1000 N. H. Adams Rd., Aztec, NM 87418
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-1C
Revised February 21, 1991
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Well Code	Well Name
30-045-10814	72319/71599	Blanco Mesaverde/Basin Dakota
Property Code	Property Name	Well Number
18517	East	7
GRID No.	Operator Name	Elevation
14538	MERIDIAN OIL INC.	6324'

10 Surface Location

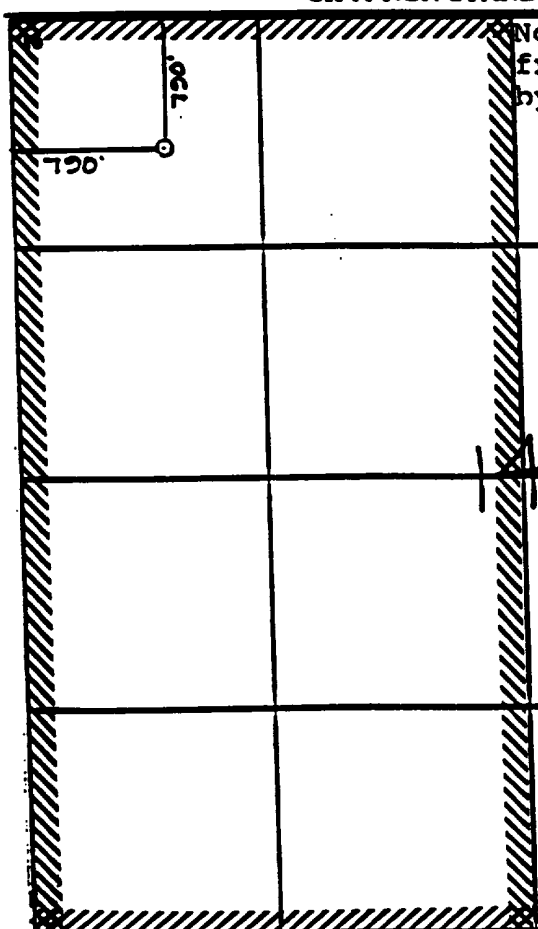
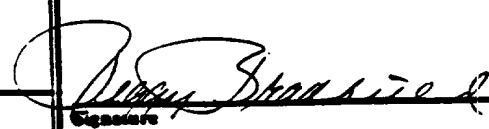
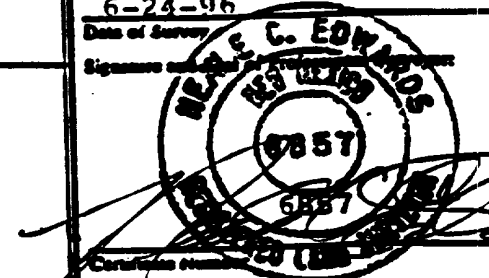
UL or lot no.	Section	Township	Range	Lot	Feet from line	North/South line	Feet from line	East/West line	County
D	14	31 N	12 W		790	North	790	West	S.J.

11 Bottom Hole Location if Different From Surface

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

12 Dedication Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
W/280-W/280			

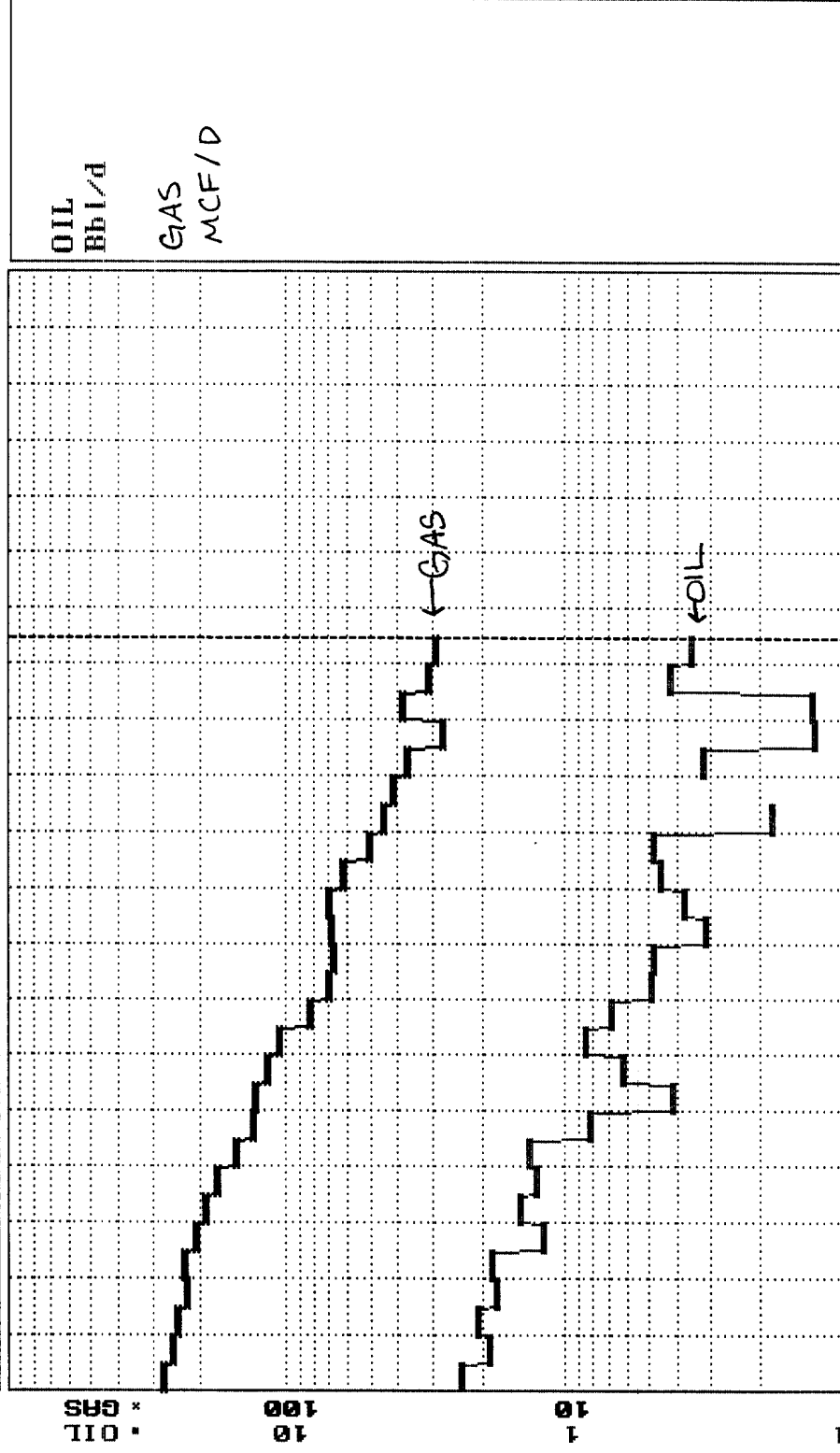
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	Not resurveyed, prepared from a plat dated 2-27-62 by John H. Vealy.	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 6-25-96 Date	
			18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was placed from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief. 6-24-96 Date of Survey  Signature M. E. EDWARDS 6857 6857 Certificate Number

BASIN DAKOTA

EAST 1 7 1 : : 149 CF: 92 SIP:

Prop: 294



72 74 76 78 80 82 84 86 88 90 92 94 96 98 00 02 04 06 08 10 Major=Gas

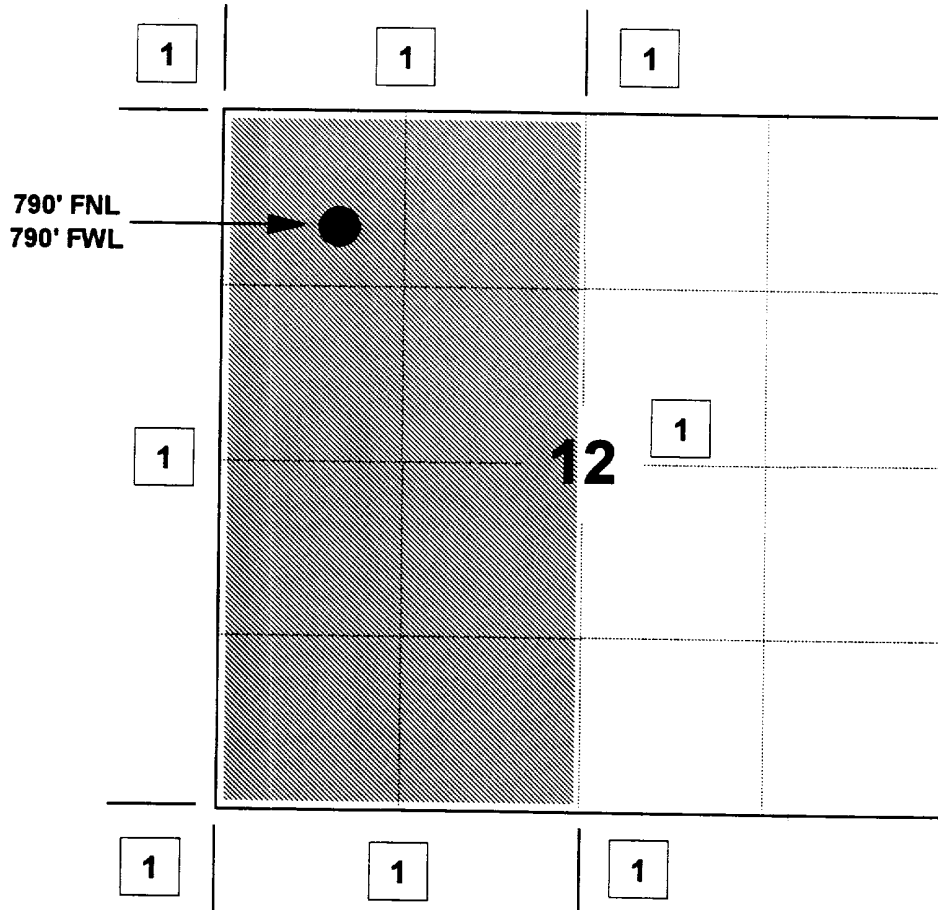
MERIDIAN OIL INC

EAST #7

OFFSET OPERATOR \ OWNER PLAT

Mesaverde / Dakota Formations Commingle Well

Township 31 North, Range 12 West



1) Meridian Oil Inc

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.69
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	2.12
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	7440
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1956
BOTTOMHOLE PRESSURE (PSIA)	2400.9

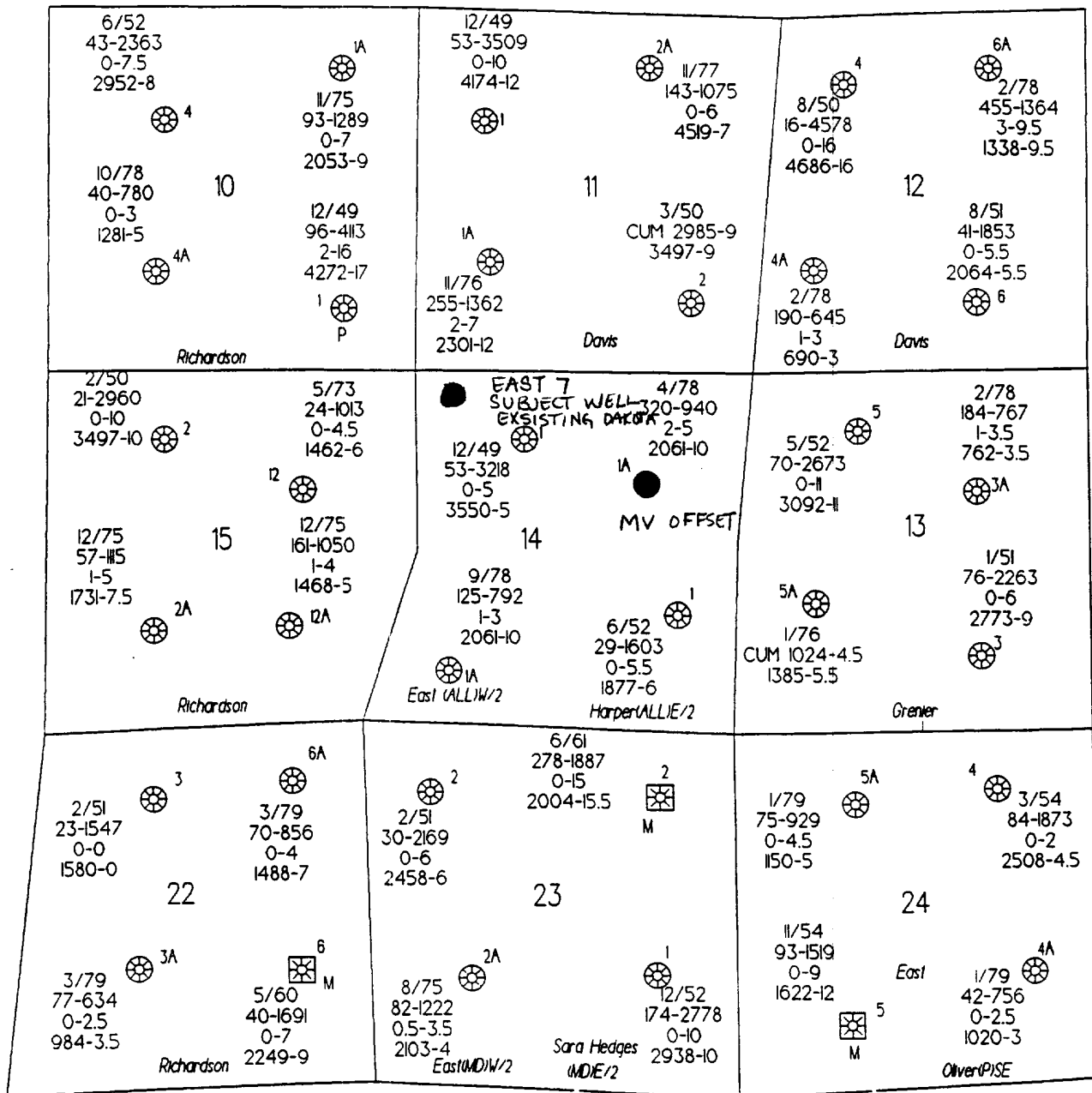
East #7 Dakota (original)

**FLOWING AND STATIC BHP
CULLENDER AND SMITH METHOD**
VERSION 1.0 3/13/94

GAS GRAVITY	0.69
COND. OR MISC. (C/M)	C
%N2	0.28
%CO2	2.12
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	7440
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	200
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	687
BOTTOMHOLE PRESSURE (PSIA)	823.6

East #7 Dakota (current)

EAST #1
SECTION 14, T31N, R12W
BLANCO MESAVERDE



T
31
N

LEGEND)

FIRST PRODUCE
MCFP - CUM (M
BOPD - CUM (M
EUR_NG - EUR_

R-12-W