

DHC

7/22/99

2400

June 7, 1999

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

United States Department of the Interior
Bureau of Land Management
1235 La Plata Highway
Farmington, NM 87401



New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RE: Apache No. 12R
870' FSL, 890' FEL
Section 17, T24N, R5W
Rio Arriba County, New Mexico

Dear Sirs:

Elm Ridge Resources, Inc. requests administrative approval to downhole commingle production from the Otero Gallup and Basin Dakota formations in the subject well. The following attachments are enclosed for your consideration:

1. Form C107A - Application for Downhole Commingling
2. Form C102 - Plat for each formation showing its dedicated acreage.
3. Form C116 - Production test of each horizon for allocation purposes.
4. A notification list of offset operators.

The working interests and royalty interests are identical in both zones. Elm Ridge Resources, Inc. believes this application will be in the best interest of all owners. If you have any questions regarding this application, please give me a call at (505) 326-4125. Thank you for your consideration of this matter.

Sincerely,

Dana L. Delventhal
Agent

Elm Ridge Resources, Inc. 312 W. La Plata St. Farmington, NM 87401
Operator Address
Apache 12R P Sec. 17, T24N, R5W Rio Arriba
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
OGRID NO. 149052 Property Code 17632 API NO. 30-039-25610 Federal INDIAN 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	Otero Gallup 48450 (OIL)		Basin Dakota 71599 (PROBATE GAS)
2. Top and Bottom of Pay Section (Perforations)	5505' - 5723'		6624' - 6693'
3. Type of Production (Oil or Gas)	Oil		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) 650 psi	a.	a. 800 psi
	b. (Original) 1100 (est.)	b.	b. 1700 (est.)
6. Oil Gravity (° API) or Gas BTU Content	40°, 1200 (est.)		1200 (est.)
7. Producing or Shut-In?	SI-pending approval		SI-pending approval
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In, give date and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data</small>	Date: 6/1/99 Rates: 27 BOPD 144 MCFD	Date: Rates:	Date: 11/30/98 Rates: 0.3 BOPD 114 MCFD
	• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 99 Gas 56 98.9% 55.8%	Oil: Gas % %	Oil: 1 Gas 44 1.1% 44.2%

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 Dana J. Delventhal TITLE Agent DATE 6/8/99

TYPE OR PRINT NAME Dana L. Delventhal TELEPHONE NO. (505) 326-4125

District I
P. O. Box 1980, Hobbs, NM 88241-1980
District II
P.O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos RD., Aztec, NM 87410
District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-25610	2 Pool Code 48450 / 71599	3 Pool Name Otero Gallup / Basin Dakota
4 Property Code 17632	5 Property Name Apache	
7 OGRID No. 149052	8 Operator Name Elm Ridge Resources, Inc.	6 Well Number 12R

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
P	17	24N	5W		870'	South	890'	East	Rio Arriba

11 Bottom Hole Location If Different From Surface

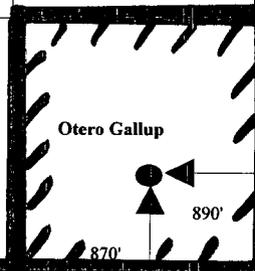
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 40 / 320	13 Joint or Infill N	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	17 OPERATOR CERTIFICATION		
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief		
	Signature <i>Dana J. Delventhal</i>		
	Printed Name Dana L. Delventhal		
Title Agent			
Date 8-Jun-99			

Lease No: BIA No. 69 Basin Dakota		
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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 Professional Surveyor:		
Certificate Number		

Submit 2 copies to Appropriate District Office.

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-116
Revised 1/1/89

GAS - OIL RATIO TEST

Operator		Pool		County										
Elm Ridge Resources, Inc.		Otero Gallup/Basin Dakota		Rio Arriba										
Address			TYPE OF TEST - (X)		Completion									
312 W. La Plata St. Farmington, NM 87401			Scheduled <input type="checkbox"/>		Special <input type="checkbox"/>									
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.	
		U	S	T						R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.
Apache	12R	P	17	24N	5W									
Otero Gallup						F	70		24		27	144		
Basin Dakota						F	70		24		0.3	114		

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

(See Rule 301, Rule 1116 & appropriate pool rules.)

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Dana L. DeIventhal
Signature

Dana L. DeIventhal, Agent
Printed name and title

6/8/99

Date

(505) 326-4125

Telephone No.

June 8, 1999

Conoco, Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500

RE: Downhole Commingling Request
Apache No. 12R
870' FSL, 890' FEL
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Rio Arriba County, New Mexico

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The Division Director may approve the proposed commingling request within 20 days after the receipt of this application, in the absence of valid objections from any offset operator. If you have any questions regarding this application, please give me a call at (505) 326-4125. Thank you for your consideration of this matter.

Sincerely,



Dana L. Delventhal
Agent

June 8, 1999

Dugan Production Corp.
P. O. Box 420
Farmington, NM 87499-0420

RE: Downhole Commingling Request
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Dana L. Delventhal
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June 8, 1999

Floyd Oil Co.
711 Louisiana, Suite 1740
Houston, TX 77002

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