

## DISTRICT II

811 South First St., Artesia, NM 88210-2835

## OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

## APPROVAL PROCESS:

☒ Administrative ☐ Hearing

## DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

## APPLICATION FOR DOWNHOLE COMMINGLING

## EXISTING WELLBORE

☒ YES ☐ NOElm Ridge Resources, Inc. 312 W. La Plata St. Farmington, NM 87401  
Operator AddressApache 15E G Sec. 7, 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. 30-039-25524 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	Otero Gallup 48450		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	5607'-5822'		6762'-6790'
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 b. (Original) 1100 (est.)	a.  b.	a. 800 psi 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: 1/17/00 Rates: 17 BOPD 68 MCFD	Date: Rates:	Date: 8/31/99 Rates: 0.8 BOPD 199 MCFD
• If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 95.5% Gas: 25.5 %	Oil: % Gas: %	Oil: 4.5 % Gas: 74.5 %

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 L. Delventhal TITLE Agent DATE 1/31/00TYPE 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 <b>30-039-25524</b>	2 Pool Code <b>48450 / 71599</b>	3 Pool Name <b>Otero Gallup / Basin Dakota</b>
4 Property Code <b>17632</b>	5 Property Name <b>Apache</b>	6 Well Number <b>15E</b>
7 OGRID No. <b>149052</b>	8 Operator Name <b>Elm Ridge Resources, Inc.</b>	9 Elevation

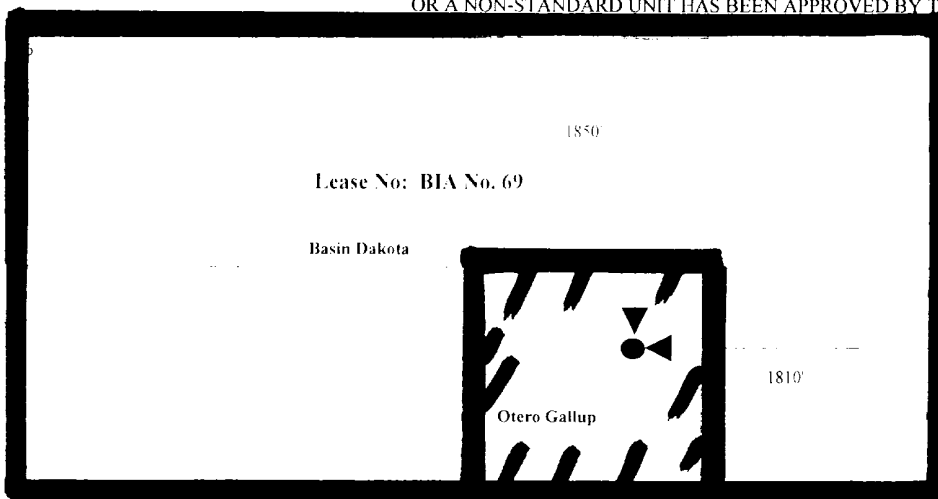
10 Surface Location

UL or lot no. <b>G</b>	Section <b>7</b>	Township <b>24N</b>	Range <b>5W</b>	Lot Idn	Feet from the <b>1850'</b>	North/South line <b>North</b>	Feet from the <b>1810'</b>	East/West line <b>East</b>	Courty <b>Rio Arriba</b>
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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	Courty
12 Dedicated Acres <b>40 / 320</b>	13 Joint or Infill <b>N</b>	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



17 OPERATOR CERTIFICATION

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

Signature  
*Dana L. Delventhal*

Printed Name  
**Dana L. Delventhal**

Title  
**Agent**

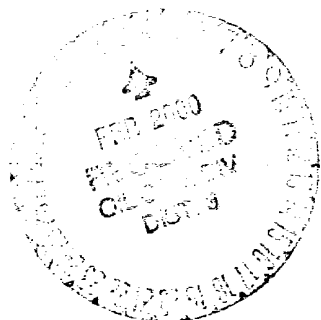
Date  
**31-Jan-00**

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-1116  
Revised 1/1/89

### GAS - OIL RATIO TEST

Operator <b>Elm Ridge Resources, Inc.</b>	Pool <b>Otero Gallup / Basin Dakota</b>		County <b>Rio Arriba</b>									
Address <b>312 W. La Plata Farmington, NM 87401</b>		TYPE OF TEST - (X) <input type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Completion <input type="checkbox"/> Special <input type="checkbox"/>										
LEASE NAME	WELL NO.	LOCATION		DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST		GAS - OIL RATIO	
		U	S	T	R				WATER BBL'S	GRAV. OIL	OIL BBL'S	GAS M.C.F.
Apache	15E	G	7	24N	5W							
Otero Gallup						80		24	0		17	68
Basin Dakota						135		24	0		0.8	199

#### 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 & Rule 1117 of the Regulations.)

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

Signature

*Dana L. Delventhal*

Printed name and title  
Dana L. Delventhal, Agent

Date  
1/31/00

Telephone No.  
(505) 326-4125

January 31, 2000

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

RE: Downhole Commingling Request  
Apache No. 15E  
1850' FNL, 1810' FFL  
Section 7, T24N, R5W  
Rio Arriba County, New Mexico

Dear Sirs:

Elm Ridge Resources, Inc. has requested administrative approval from the New Mexico Oil Conservation Division to downhole commingle production from the Otero Gallup and Basin Dakota formations in the subject well. As an offset operator, you are being notified of this application and a copy is being provided for your consideration.

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

January 31, 2000

Four Star Oil and Gas Company  
P. O. Box 2100  
Denver, CO 80201

RE: Downhole Commingling Request  
Apache No. 15E  
1850' FNL, 1810' FFL  
Section 7, T24N, R5W  
Rio Arriba County, New Mexico

Dear Sirs:

Elm Ridge Resources, Inc. has requested administrative approval from the New Mexico Oil Conservation Division to downhole commingle production from the Otero Gallup and Basin Dakota formations in the subject well. As an offset operator, you are being notified of this application and a copy is being provided for your consideration.

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Sincerely,

A handwritten signature in cursive script that reads "Dana L. Delventhal".

Dana L. Delventhal  
Agent

January 31, 2000

Burlington Resources  
3535 E. 30th Street  
Farmington, NM 87402

RE: Downhole Commingling Request  
Apache No. 15E  
1850' FNL, 1810' FHL  
Section 7, T21N, R5W  
Rio Arriba County, New Mexico

Dear Sirs:

Elm Ridge Resources, Inc. has requested administrative approval from the New Mexico Oil Conservation Division to downhole commingle production from the Otero Gallup and Basin Dakota formations in the subject well. As an offset operator, you are being notified of this application and a copy is being provided for your consideration.

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Sincerely,



Dana L. Delventhal  
Agent