

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
811 South First St., Artesia, NM 88210-2815

OIL CONSERVATION DIVISION
2040 S. Pacheco
Santa Fe, New Mexico 87505-6120

APPROVAL PROCESS:
☒ Administrative ☐ Hearing

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
☒ YES ☐ NO

Elm Ridge Resources, Inc.		312 W. La Plata St.		Farmington, NM 87401	
Operator		Address			
Jicarilla		IR		F Sec. 4, T24N, R5W	
Lease		Well No.		County	
		Unit Ltr. - Sec - Twp - Rge		Spacing Unit Lease Types: (check 1 or more)	
				Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> (and/or) Fee <input type="checkbox"/>	
OGRID NO. 149052		Property Code 22558		API NO. 30-039-25797	

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)	6011'-6240'		7019'-7087'
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.)	RECEIVED JUN 11 1999 OIL CON. DIV. DIST. 3	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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data • If Producing, give date and oil/gas/ water rates of recent test (within 60 days)	Date Rates 6/1/99 5 BOPD 175 MCFD	Date Rates	Date Rates 11/30/98 0.2 BOPD 172 MCFD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 96.2 % Gas: 50.4 %	Oil: % Gas: %	Oil: 3.8 % Gas: 49.6 %

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 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 30-039-25797	2 Pool Code 48450 / 71599	3 Pool Name Otero Gallup / Basin Dakota
4 Property Code 22558	5 Property Name Jicarilla	6 Well Number 1R
7 OGRID No. 149052	8 Operator Name Elm Ridge Resources, Inc.	9 Elevation

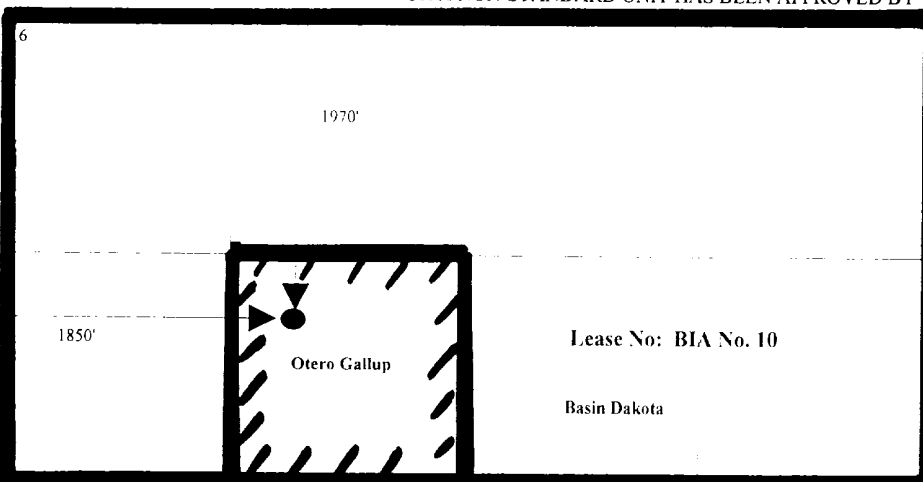
10 Surface Location

UL or lot no. F	Section 4	Township 24N	Range 5W	Lot Idn	Feet from the 1970'	North/South line North	Feet from the 1850'	East/West line West	County Rio Arriba
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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	County
12 Dedicated Acres 40 / 320	13 Joint or Infill N	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 **8-Jun-99**

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 Elm Ridge Resources, Inc.		Pool Otero Gallup/Basin Dakota		County Rio Arriba									
Address 312 W. La Plata St. Farmington, NM 87401		TYPE OF TEST - (X)		Completion <input checked="" 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 CU.FT/BBL
		U	S	T						R	WATER BBLs.	GRAV. OIL	
Jicarilla	1R	F	4	24N	5W								
Otero Gallup						6/1/99	F	105		24	2	5	175
Basin Dakota						11/30/98	F	105		24	0	0.2	172

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 & pool rules.)

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
6/8/99

Telephone No.
(505) 326-4125

June 8, 1999

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

RE: Downhole Commingling Request
Jicarilla No. 1R
1970' FNL, 1850' FWL
Section 4, 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,

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

Dana L. Delventhal
Agent

June 8, 1999

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

RE: Downhole Commingling Request
Jicarilla No. 1R
1970' FNL, 1850' FWL
Section 4, T24N, R5W
Rio Arriba County, New Mexico

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Dana L. Delventhal
Agent

June 8, 1999

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

RE: Downhole Commingling Request
Jicarilla No. 1R
1970' FNL, 1850' FWL
Section 4, T24N, R5W
Rio Arriba County, New Mexico

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Sincerely,



Dana L. Delventhal
Agent

June 8, 1999

Taurus Exploration USA Inc.
2198 Bloomfield Highway
Farmington, NM 87401

RE: Downhole Commingling Request
Jicarilla No. 1R
1970' FNL, 1850' FWL
Section 4, T24N, R5W
Rio Arriba County, New Mexico

Dear Sirs:

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Dana L. Delventhal
Agent