

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 Hrazos Rd, Aztec, NM 87410-1691

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

YES NO

Elm Ridge Resources, Inc. 312 W. La Plata Farmington, NM 87401
Operator Address
Apache 12F L Sec. 17, T24N, R5W Rio Arriba
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
Spacing Unit Lease Types: (check 1 or more)
GRID NO. 149052 Property Code 17632 API NO. 30-039-25609 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) | 5463'-5677' | | 6599'-6659' |
| 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: 1/15/00 Rates: 12 BOPD 48 MCFD | Date: Rates: | Date: 8/31/99 Rates: 0 BOPD 132 MCFD |
| | Date: Rates: | Date: Rates: | Date: Rates: |
| • 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: 100% Gas: 26.7% | Oil: % Gas: % | Oil: 0% Gas: 73.3% |

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 1/31/00

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994

District II
P.O. Drawer DD, Artesia, NM 88211-0719

Instructions on back
Submit to Appropriate District Office

District III
1000 Rio Brazos RD., Aztec, NM 87410

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

State Lease - 4 Copies
Fee Lease - 3 Copies

District IV
P.O. Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|-------------------------------------|---|
| 1 API Number 30-039-25609 | 2 Pool Code 48450 / 71599 | 3 Pool Name Otero Gallup / Basin Dakota |
| 4 Property Code 17632 | 5 Property Name Apache | |
| 6 Well Number 12F | 7 UGRID No. 149052 | |
| 8 Operator Name Elm Ridge Resources, Inc. | | 9 Elevation |

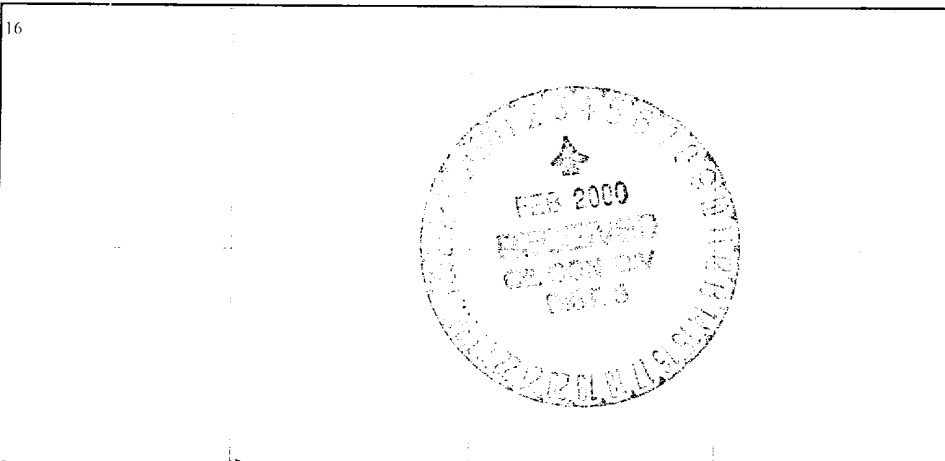
10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|-----------|------------|-----------|---------|---------------|------------------|---------------|----------------|-------------------|
| L | 17 | 24N | 5W | | 1850' | South | 890' | West | 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. | | | | |

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



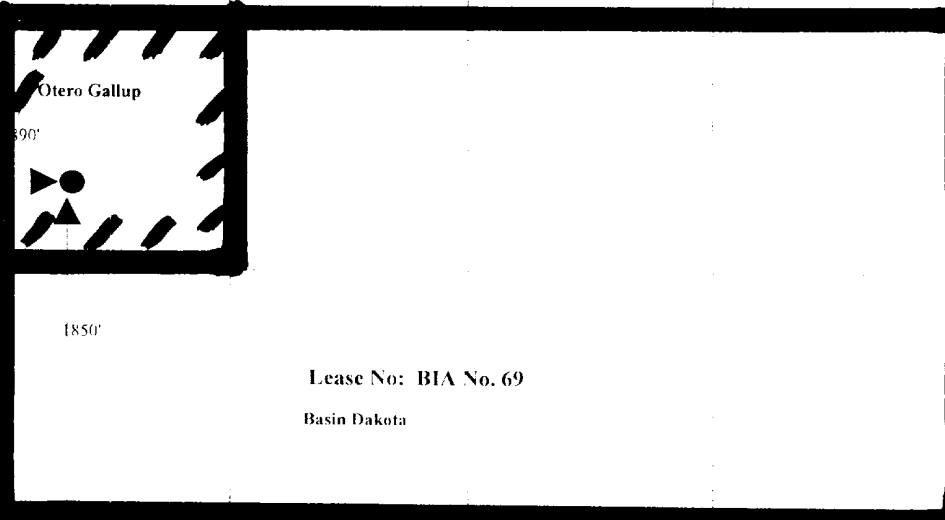
17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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-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. | GRAV. OIL | | OIL BBL. |
| Apache | 12F | L | 17 | 24N | 5W | | | | | | | | | |
| Otero Gallup | | | | | | 80 | | | 24 | 0 | 12 | 48 | | |
| Basin Dakota | | | | | | 115 | | | 24 | 0 | 0 | 132 | | |

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 J. DeIventhal
 Signature

Dana L. DeIventhal, Agent
 Printed name and title

1/31/00
 Date

(505) 326-4125
 Telephone No.

January 31, 2000

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

RE: Downhole Commingling Request
Apache No. 12F
1850' ESL, 890' FWL
Section 17, 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

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

RE: Downhole Commingling Request
Apache No. 12F
1850' FSL, 890' FWL
Section 17, T24N, R5W
Rio Arriba County, New Mexico

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Sincerely,



Dana L. Delventhal
Agent

January 31, 2000

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

RE: Downhole Commingling Request
Apache No. 12F
1850' FSL, 890' FWL
Section 17, T24N, R5W
Rio Arriba County, New Mexico

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Dana L. Delventhal
Agent