

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 88241

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Burlington Resources Oil & Gas Company

3. Address and Telephone No.

P.O. Box 51810 Midland, TX 79710-1810 915-688-6943

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1980' FEL
Sec. 24, T22S, R32E

5. Lease Designation and Serial No.

NM87268

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jackalope '24' # 1
Federal

9. API Well No.

30-025-32378

10. Field and Pool, or exploratory Area

West Red Tank Delaware
Red Tank Bone Spring

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other Downhole Commingle
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

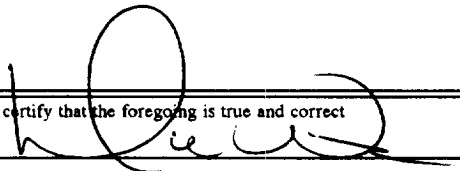
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Burlington Resources Oil & Gas Company respectfully request approval to downhole commingle the above referenced well. Please find application attached.

SUBJECT TO
LIKE APPROVAL
BY STATE

14. I hereby certify that the foregoing is true and correct

Signed



Title Regulatory Compliance

Date 3/12/97

(This space for Federal or State office use)

Approved by (K.G. SGD.) DAVID A. GLASS

Title PETROLEUM ENGINEER

Date MAR 13 1997

Conditions of approval, if any:

SEE ATTACHED FOR

CONDITIONS OF APPROVAL
Title 18, U.S.C. § 1001 makes it a crime knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



DISTRICT I

P.O. Box 1588, Hobbs, NM 88240

DISTRICT II

611 South First St., Arapahoe, NM 88210

DISTRICT III

1900 Red Branch Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87506-6429Form C-107-A
New 3-12-98

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company P.O. Box 51810 Midland, Texas 79710-1810
 Jackalope '24' Federal Well No. 1 G, Sec. 24, T22S, R32E Lea
 OGRID NO. 26485 Property Code 19964 API NO. 30-025-32878
 Spacing Unit Lease Type(s): (check 1 or more)
 Federal ☒ State ☐ (landowner) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	West Red Tank Delaware 51689		Red Tank Bone Spring 51683
2. Top and Bottom of Pay Section (Perforational)	8501'-8531'		8832'-3884'
3. Type of production (Oil or Gas)	Oil		Oil
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 See attached b. Original	a. b.	a. See Attached b.
6. Oil Gravity (°API) or Gas BTU Content	42.3		40
7. Producing or Shut-in?	Well is currently being completed		
Production Marginal? (yes or no)			
* If Shut-in, give date and oil/gas/water rates of last production. Note: For new wells with no production history, reasons shall be provided to explain production estimates and supporting data.	Date: Reason: See Attached Information regarding Production	Date: Reason:	Date: Reason:
* If Producing, give date and oil/gas/water rates of recent test (within 90 days)	Date: Reason:	Date: Reason:	Date: Reason:
8. Fluid Percentage Allocation Formula - % for each zone	Oil % Gas %	Oil % Gas %	Oil % Gas %

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?
 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

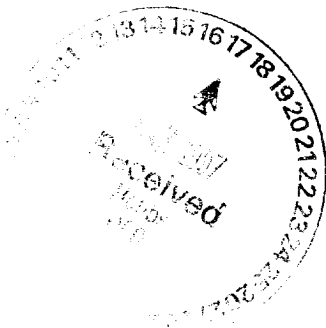
15. NMOC Reference Cases for Rule 303(C) Exceptions: ORDER NO(S):

16. ATTACHMENTS:

- C-103 for each zone to be commingled showing its spacing unit and acreage declaration.
- 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 Donna Williams TITLE Regulatory Compliance DATE 3/12/97
 TYPE OR PRINT NAME Donna Williams TELEPHONE NO. (915) 688-6743



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 51689		³ Pool Name West Red Tank Delaware	
⁴ Property Code 19964		⁵ Property Name Jackalope '24' Federal			⁶ Well Number
⁷ OGRID No. 26485		⁸ Operator Name Burlington Resources Oil & Gas Company			⁹ Elevation

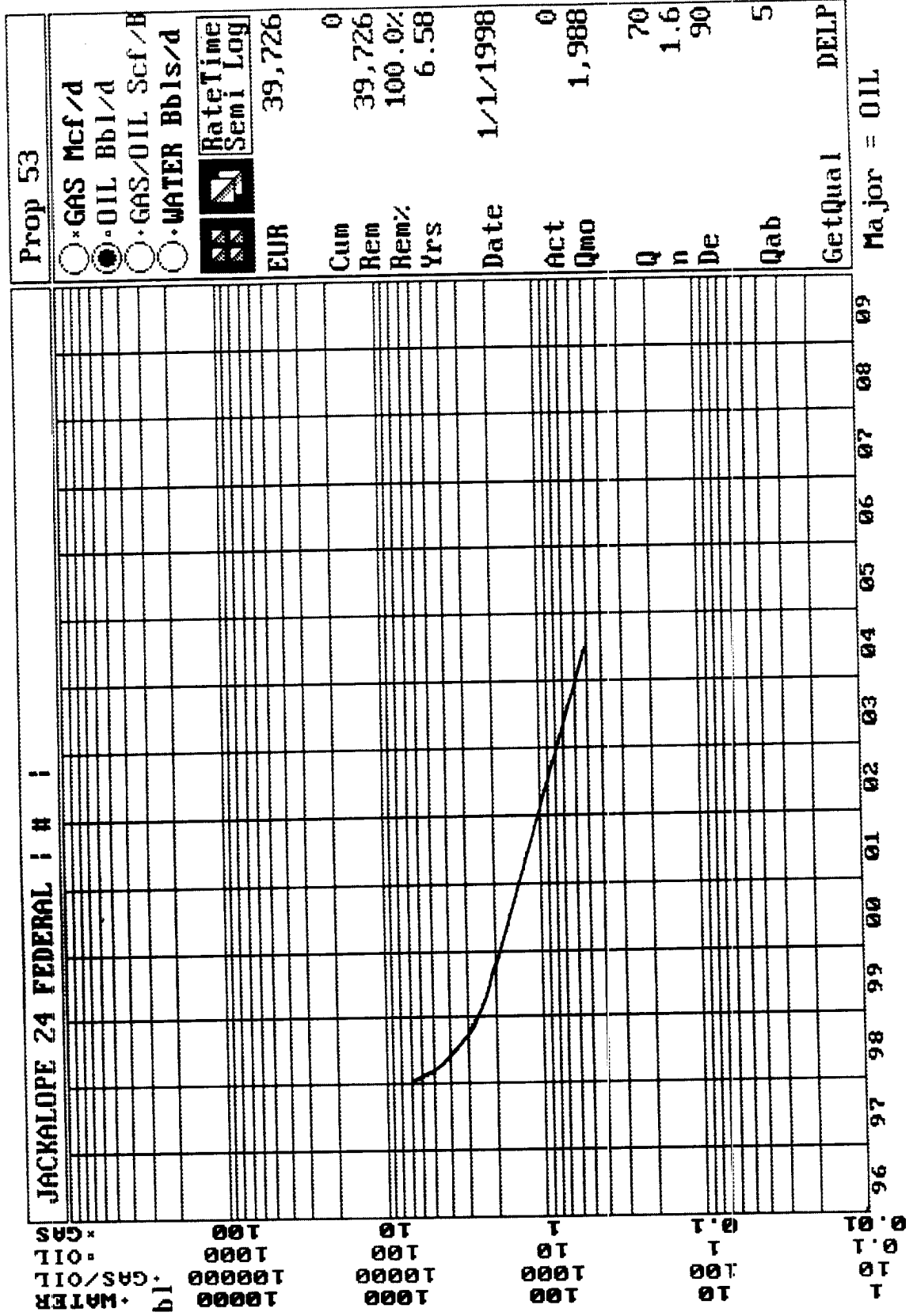
¹⁰ Surface Location									
UL or lot no.	Section 24	Township 22S	Range 32E	Lot. Idn G	Feet from the 1980'	North/South Line North	Feet from the 1980'	East/West line East	County Lea

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									
¹³ Joint or Infill									
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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>	
				Signature Donna Williams	
				Printed Name Regulatory Compliance	
				Title 3/12/97	
				Date	
				¹⁸ SURVEYOR CERTIFICATION <i>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.</i>	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	





BASAL BRUSHY CANYON PROD.



District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
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1000 Rio Brazos Rd., Aztec, NM 87410
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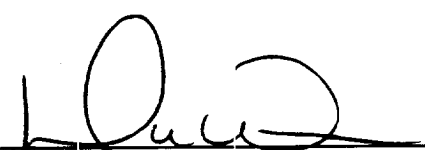
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 51683	³ Pool Name Red Tank Bone Spring
⁴ Property Code 19964	⁵ Property Name Jackalope '24' Federal	⁶ Well Number
⁷ OGRID No. 26485	⁸ Operator Name Burlington Resources Oil & Gas Company	⁹ Elevation

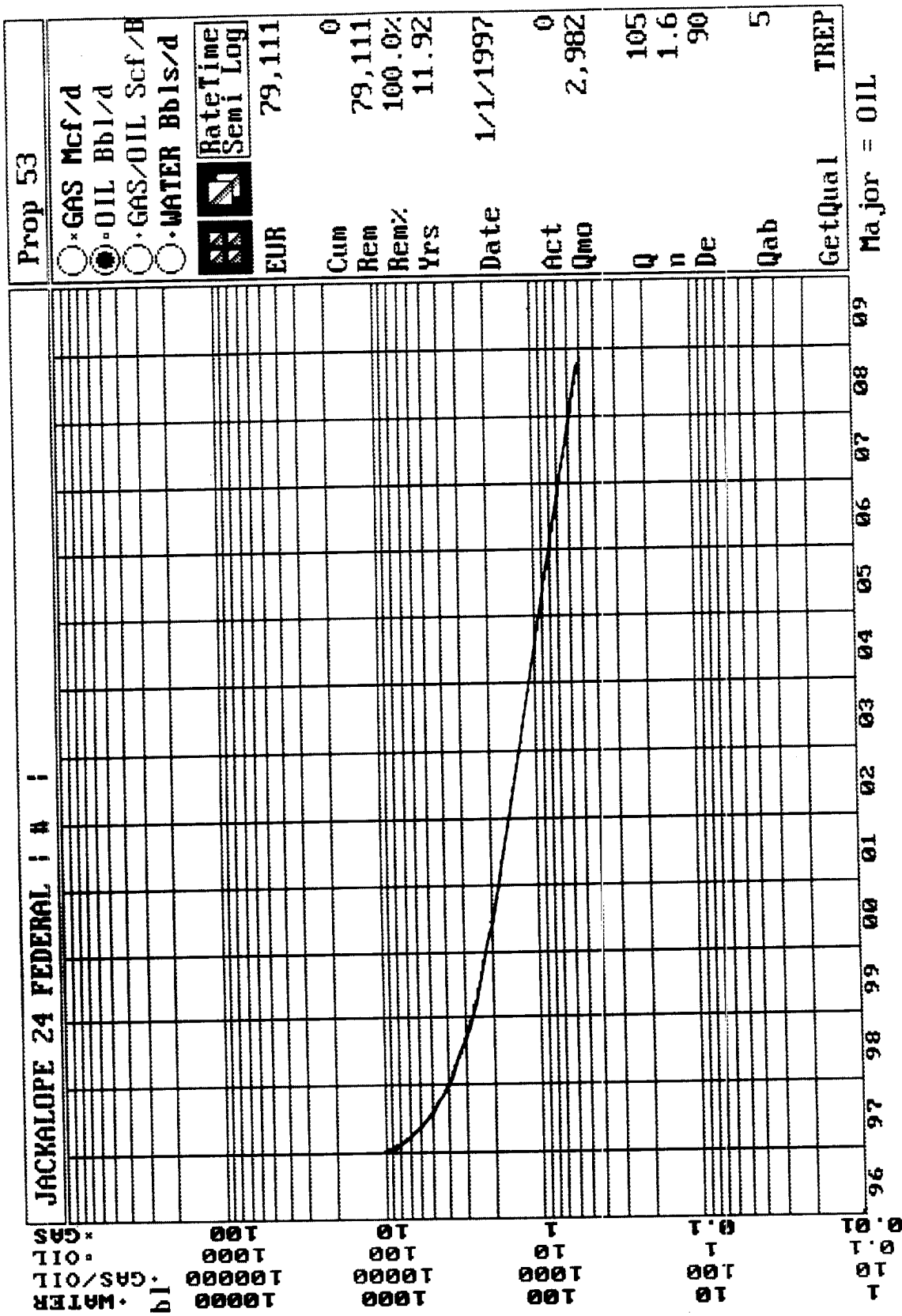
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				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature: Donna Williams Printed Name Regulatory Compliance Title 3/12/97 Date
				¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number





TRESOROR PROD



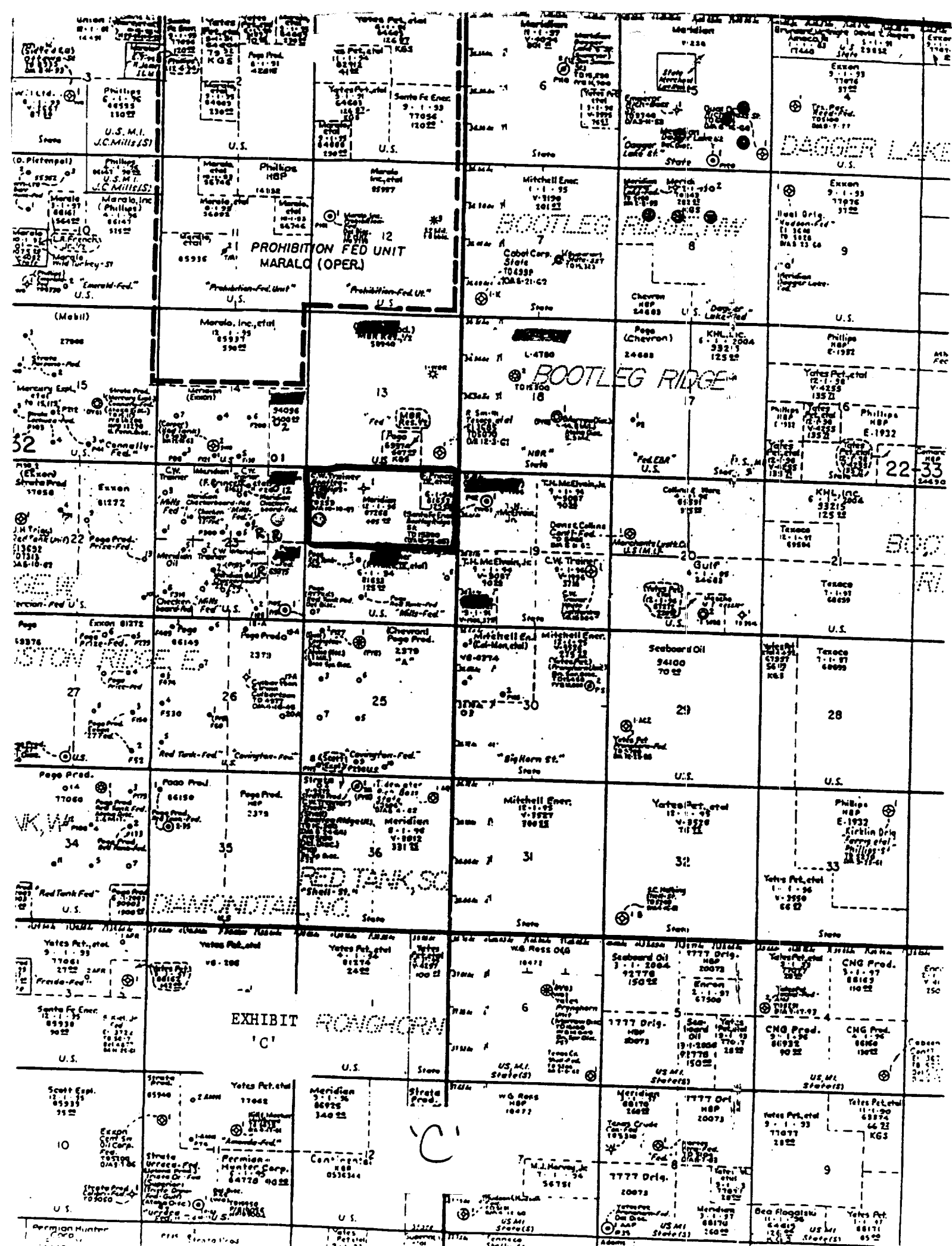
ADDITIONAL DATA FOR DOWNHOLE COMMINGLING
JACKALOPE '24' FEDERAL WELL NO. 1

Burlington Resources Oil & Gas Company respectfully submits the following information which is based on the Mule Deer 36 State well no. 2. This is due to 3-D and mapping which indicates a similarity in the sand structure of both the Delaware and Bone Spring.

The estimated bottomhole pressures for the perforations in the Delaware for the above referenced well are based off the actual BHP for the Mule Deer '36' State well no. 2.. As indicated on the application for the # 2, the original BHP for the oil zone in the Delaware is an estimated 2550 and then tapers off to 1270. The Bone Spring, as indicated on downhole commingles of well nos. 1 thru 5, indicate original bottomhole pressure to be 2660 estimate, and then taper to 1330. Production should come in flowing but eventually be put on artificial lift. Production estimates are based off the Mule Deer 36 State # 2, which is to the south of this wellbore. Production model utilized is as follows:
Bone Spring: 105 BOPD, 130 MCF, 10 bbls water, with Delaware indicating 70 BOPD, 40 MCF, 150 bbls water. Allocation factors should be as follows:

Delaware:	40% oil and 30% gas
Bone Spring:	60% oil and 70% gas







BURLINGTON RESOURCES OIL & GAS COMPANY
APPLICATION FOR ADMINISTRATIVE APPROVAL
DOWNHOLE COMMINGLING
JACKALOPE '24' FEDERAL WELL NO. 1
LEA COUNTY, NEW MEXICO

Penwell Energy Inc. *
600 N. Marienfeld, Ste. 1100
Midland, Texas 79701

Pogo Producing Company
Box 10340
Midland, Texas 79702

Bureau of Land Management- Mineral Interest
2909 West Second Street
Roswell, New Mexico 88201

*** - Map shows C.W. Trainer as operator of lease, however, Penwell Energy has since bought Mr. Trainer's interest.**

