

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First St., Artesia, NM 88210

DISTRICT III

1000 N. Brakes Rd., Azusa, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-8429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company P.O. Box 51810 Midland, Tx 79710-1810
Mule Deer '36' State # 7 P. 36, T22S, R32E Lea
OGRID NO. 26485 Property Code 16462 API NO. 30-025-33688 Spacing Unit Lease Type(s) (check 1 or more)
Federal ☐ State ☒ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zones	Lower Zone
1. Pool Name and Pool Code	(51689), West Red Tank Delaware		(51683) Red Tank Bone Spring
2. Top and Bottom of Pay Section (Perforations)	8559'-8609'		8942'-8989'
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: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 1270 (EST) b. (Original) 2550 (EST)	a. b.	a. 1330 (EST) b. 2660 (EST)
6. Oil Gravity (° API) or Gas BTU Content	42		43.2
7. Producing or Shut-in?	Well is currently drilling, please see attached supporting documents		
Production Marginal? (yes or no)			
* If Shut-in, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicants shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 90 days)	Date: Rates: See Attached	Date: Rates:	Date: Rates: See Attached
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 50 % Gas: 30 %	Oil: % Gas: %	Oil: 50 % Gas: 70 %

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(C) 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 Donna Williams TITLE Regulatory Compliance DATE 1/17/97

TYPE OR PRINT NAME Donna Williams TELEPHONE NO. (915) 688-6943

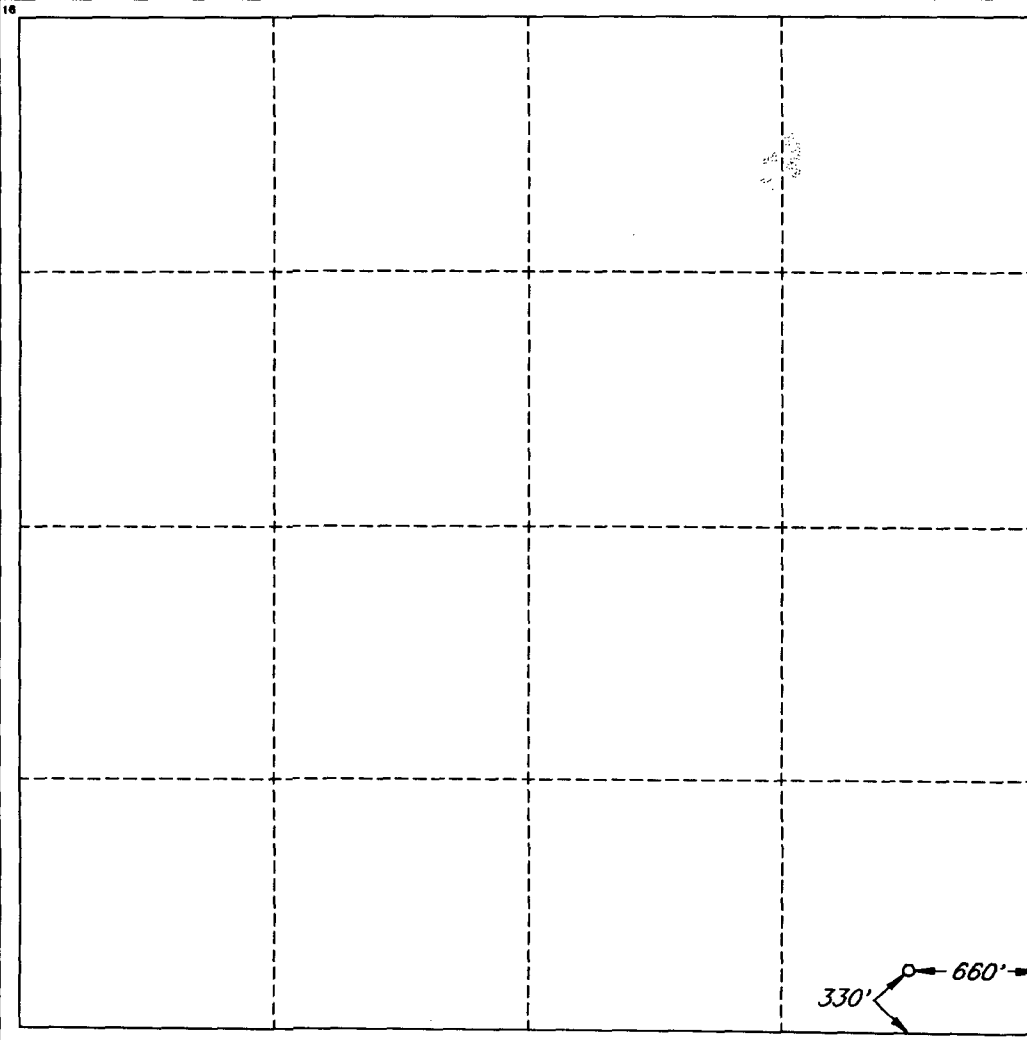
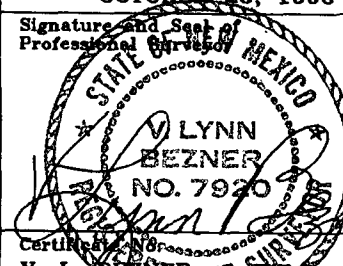
ADDITIONAL DATA FOR DOWNHOLE COMMINGLING
MULE DEER '36' STATE WELL NO 7

Burlington Resources Oil & Gas Company respectfully submits the following:

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 as indicated on well nos. 1 thru 5, show the Delaware zone to produce about 75 bbls oil, 75 mcf, and 150 bbls of water. The Bone Spring should produce approximately 75 bbls, 270 mcf, and 0-10 bbls of water. This should make the allocation factors be as follows:

# 7:	Delaware:	50% oil and 30% gas
	Bone Spring:	50% oil and 70% gas

We submit the production graph information for the Mule Deer '36' State well no. 5 to be considered for the proposed downhole commingling of the Mule Deer '36' State well no. 7.

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature Donna Williams	
	Printed Name Regulatory Compliance	
	Title 1/16/97	
	Date	
	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 OCTOBER 25, 1996	
	Signature and Seal of Professional Engineer 	
	Certification No. V. L. BEZNER AND S.P.S. #7920	
	JOB #481795 / 47 SE / V.H.B.	

Delaware - Upper Zone

MULE DEER 36 STATE 1 7 1 60345B-2

Prop 33 *

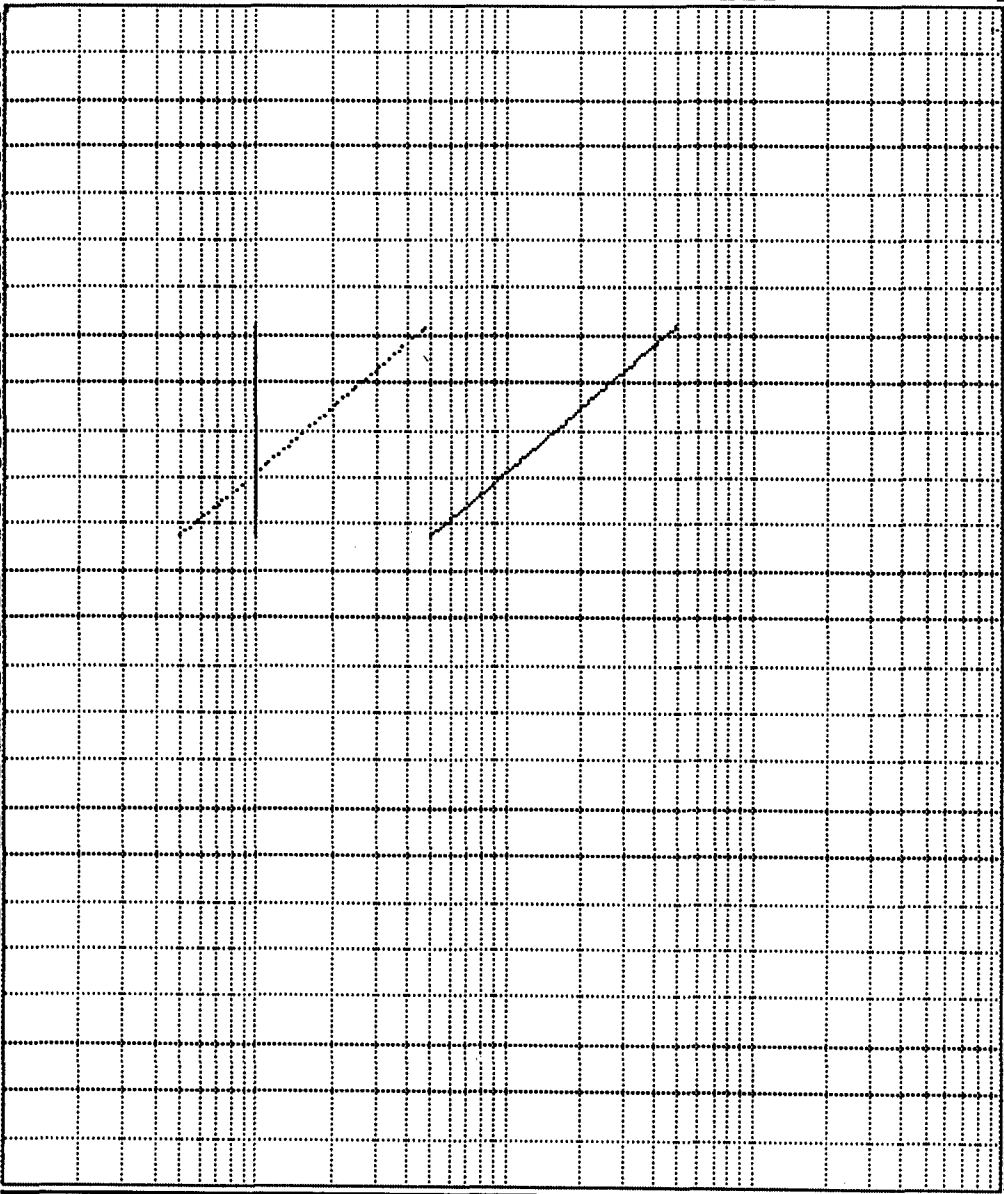
*WATER
*GAS/OIL
*GAS
*OIL

10000
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☒ OIL Bbl/d
☐ GAS Mcf/d
☐ GAS/OIL
☐ WATER Bbls/d

RateTime
Semi Log

EUR

Cum
Rem
Rem%
Yrs
4.58

Date 10/1/1996

act 0
Qmo 1,513

Q 50

n 0

De 40

Qab 5

GetQual 96POST

*rB

Major = OIL

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 87507-2088

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94

Instructions on back

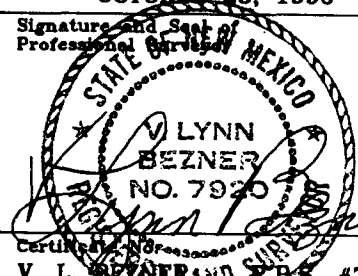
Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

OIL CONSERVATION DIVISION

P. O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-33688		2 Pool Code 51683		3 Pool Name Red Tank Bone Spring																					
4 Property Code 16462		5 Property Name MULE DEER '36 ' STATE						6 Well Number 7																	
7 OGRID No. 26485		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY						9 Elevation 3754'																	
10 SURFACE LOCATION																									
UL or lot no. P	Section 36	Township 22 SOUTH	Range 32 EAST, N.M.P.M.	Lot Ida	Feet from the 330'	North/South line SOUTH	Feet from the 660'	East/West line EAST	County LEA																
11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE																									
UL or lot no.	Section	Township	Range	Lot Ida	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 WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION																									
16 <table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>																						OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Donna Williams Printed Name Regulatory Compliance Title 1/16/97 Date			
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Bone Spring - Lower Zone

MULE DEER 36 STATE 1 7 1 60345A-1

Prop 32 *

- ☒ OIL Bbl/d
- ☐ GAS Mcf/d
- ☐ GAS/OIL
- ☐ WATER Bbls/d

RateTime
Semi Log

EUR

Cum
Rem
Rem%
Yrs
11.17

Date
7/1/1996

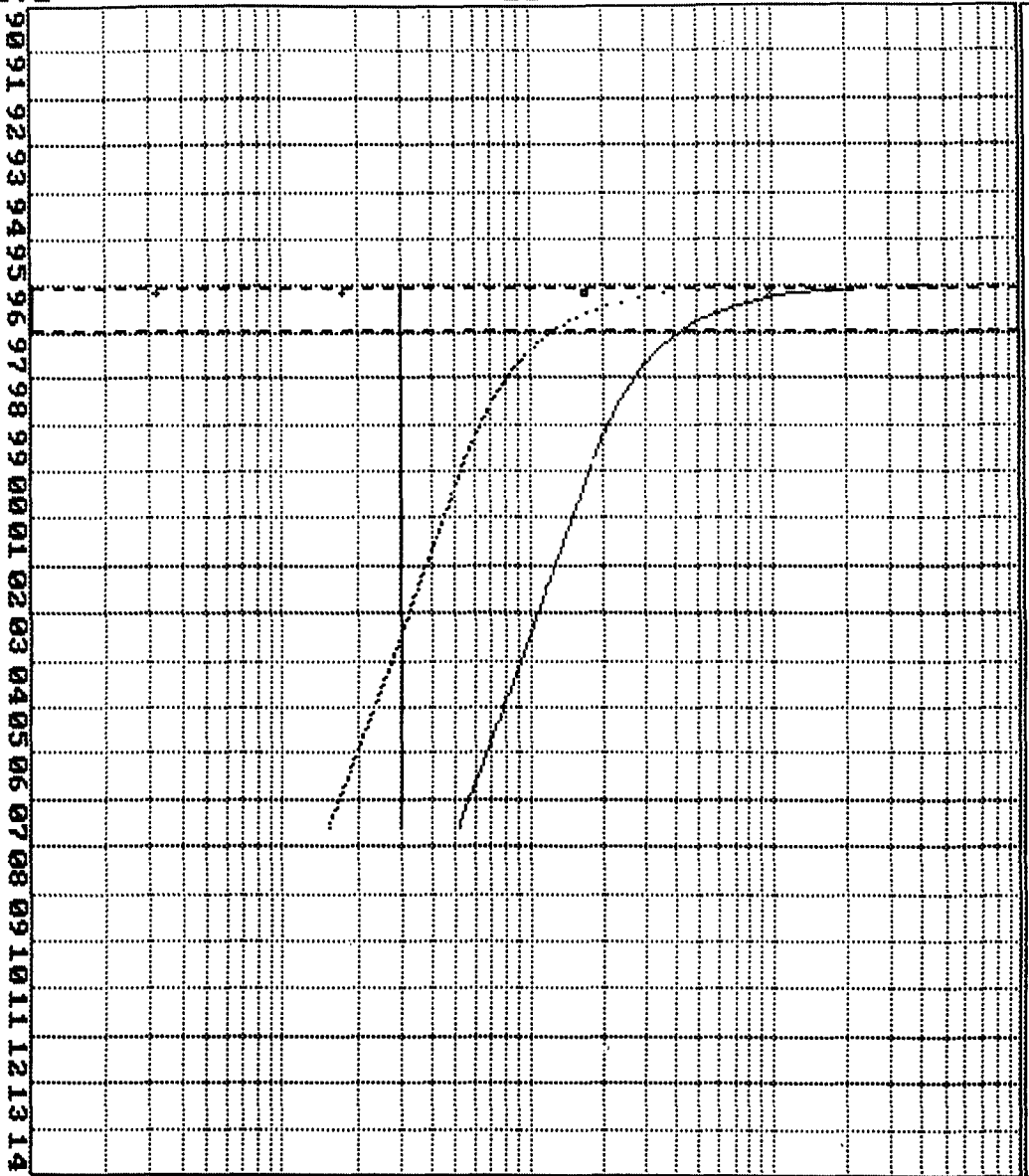
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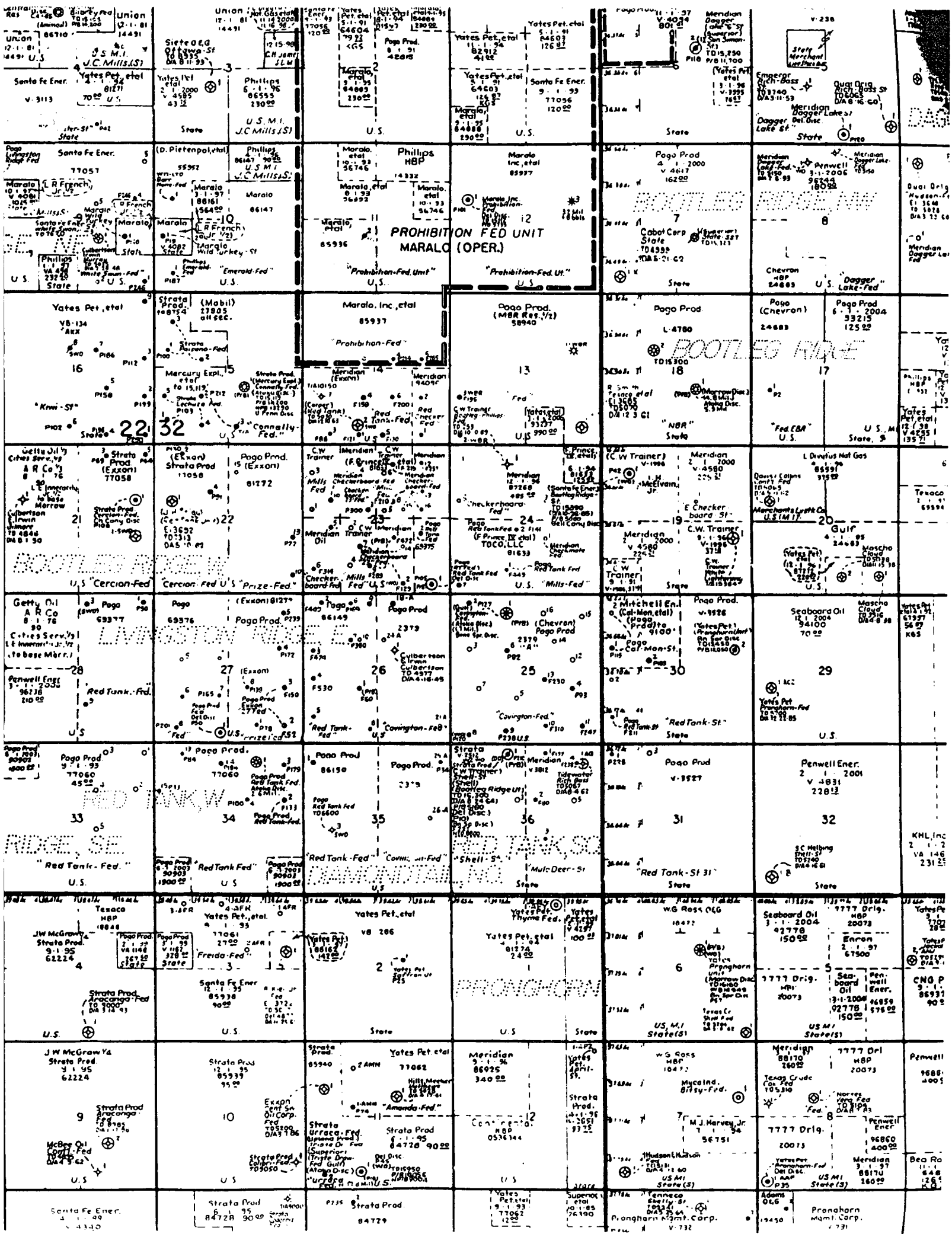
Qab
5

GetQual 96POST

1 10 100 1000 WATER
100 1000 10000 100000 GAS/OIL
1 10 100 1000 GAS
0 1 1 100 OIL



Major = OIL



BURLINGTON RESOURCES OIL & GAS COMPANY
APPLICATION FOR ADMINISTRATIVE APPROVAL
DOWNHOLE COMMINGLING
MULE DEER '36' STATE WELL NO. 7
LEA COUNTY, NEW MEXICO

Chevron USA
Box 1150
Midland, Texas 79702

Pogo Producing Company
Box 10340
Midland, Texas 79702

Yates Petroleum Corporation
105 S. 4th
Artesia, New Mexico 88210

Strata Production Company
P.O. Box 1030
Roswell, New Mexico 88202

Section 6: _____

Unleased:

Bureau of Land Management- Mineral Interest
620 E. Greene Street
Carlsbad, New Mexico 88210

New Mexico State Land Office - Surface Interest
P.O. Box 1148
Santa Fe, New Mexico 87504-1148