

DHC

1/5/98

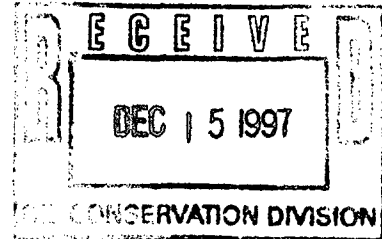
**POGO PRODUCING COMPANY**

December 10, 1997

New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Mr. David R. Catanach

CERTIFIED MAIL

RE: Bootleg Ridge Prospect NM - 556
Lea County, New Mexico
Application for Administrative Approval
for Downhole Commingling in the
WBR Federal No. 2 Well
located 330' FSL and 330' FWL
Section 13, T-22-S, R-32-E
Federal Oil and Gas Lease NMNM58940



Gentlemen:

Pogo Producing Company respectfully submits herewith its application for Administrative Approval for Downhole Commingling of the captioned well. Enclosed please find Form C-107-A with appropriate attachments.

If you have any questions, please contact the undersigned at (915) 685-8127.

Sincerely,

Elizabeth E. Moses
Consulting Landman

Enclosure

cc: New Mexico Oil Conservation Division
Attn: District Supervisor
P.O. Box 1980
Hobbs, NM 88240

Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502-0115

DISTRICT I

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

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-107-A.
New 3-12-96.

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative Hearing

EXISTING WELLBORE:

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Pogo Producing Company P.O. Box 10340 Midland, TX 79702-7340
Operator WBR Federal 2 Address M, Sec 13, T22S, R32E Lea
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
OGRID NO. 017891 Property Code 9350 API NO. 30-025-32999 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	RED TANK: DELAWARE, WEST 51689		RED TANK: BONE SPRING 51683
2. Top and Bottom of Pay Section (Perforations)	7867' - 8504'		9840' - 9870'
3. Type of production (Oil or Gas)	OIL		OIL
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT		ARTIFICIAL LIFT
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 300 psi	a.	a. 2400 psi SI
	b. (Original) 2800 psi	b.	b. 3900 psi
6. Oil Gravity (API) or Gas BTU Content	42		40
7. Producing or Shut-In?	PRODUCING		SHUT IN
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, 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)	NO		NO
	Date: 11/1/97 Rates: 20BO, 150BW, 30MCF	Date: Rates:	Date: 10/1/95 Rates: 40BO, 80BW, 20MCF
	Date: Rates:	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: 33 % Gas: 60 %	Oil: % Gas: %	Oil: 67 % Gas: 40 %

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: Mark Burkett TITLE: Div. Petr. Engr. Mngr. DATE: December 8, 1997
TYPE OR PRINT NAME: Mark Burkett TELEPHONE NO. (915) 682-6822

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

Form C-102
Revised February 10, 1984
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

☐ AMENDED REPORT

API Number 30-025-32999	Pool Code 51689	Pool Name West Red Tank Delaware
Property Code 9350	Property Name WBR	Well Number 2
OGRID No. 017891	Operator Name POGO PRODUCING CO.	Elevation 3718

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	22 S	32 E		330	SOUTH	330	WEST	LEA

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code		Order No.					

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Barrett L. Smith Printed Name Senior Operations Eng. Title July 29, 1996 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. MARCH-30, 1995 Date Surveyed Signature & Seal of Professional Surveyor W.O. Num: 95-11-0430

SEE DETAIL

Certificate No.	JOHN W. WEST	676
	RONALD J. EIDSON	3239
	GARY EIDSON	12641

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

Form C-102
Revised February 10, 1984
Instruction on back
Submit to 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

API Number	Pool Code	Pool Name
	51683	UNDES. RED TANK BONE SPRINGS
Property Code	Property Name	Well Number
	WBR FEDERAL	2
OGRID No.	Operator Name	Elevation
17891	POGO PRODUCING CO.	3718

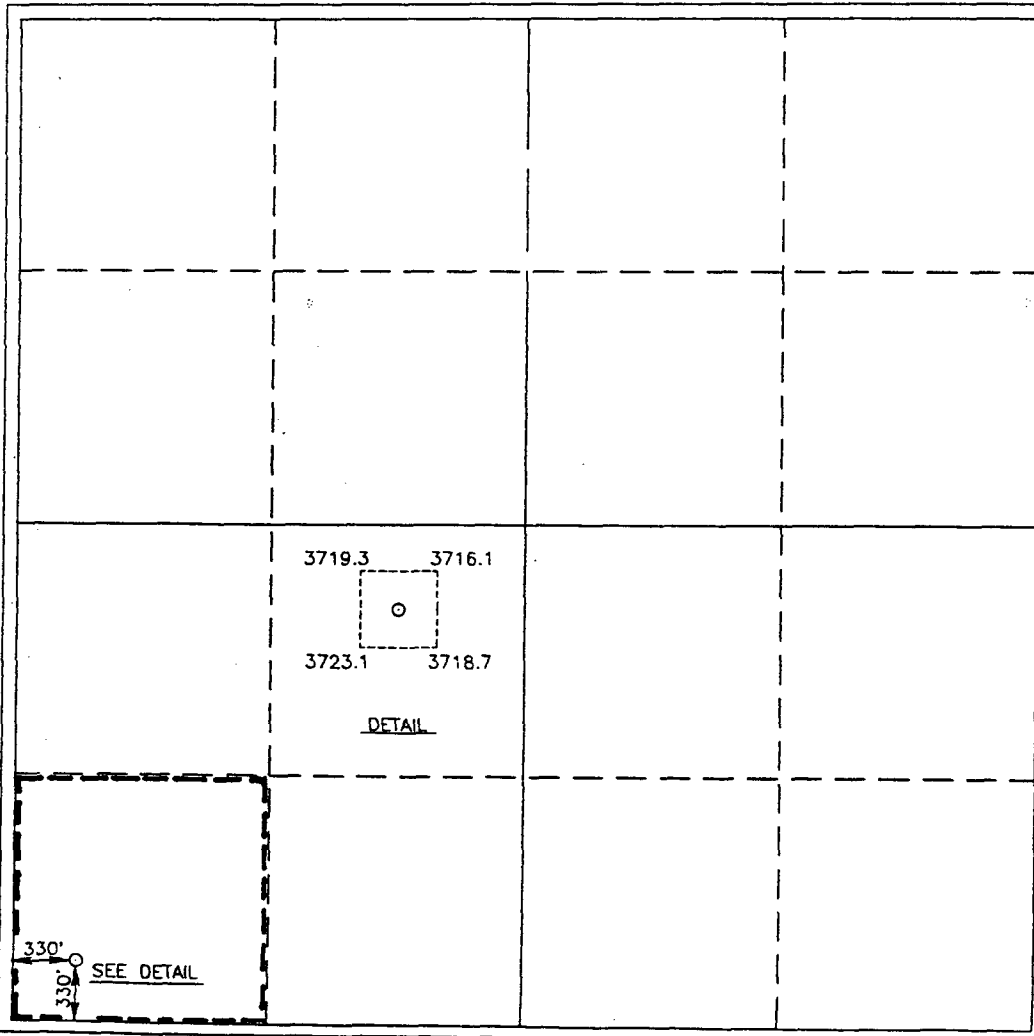
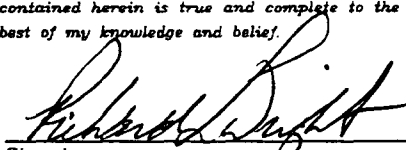
Surface Location

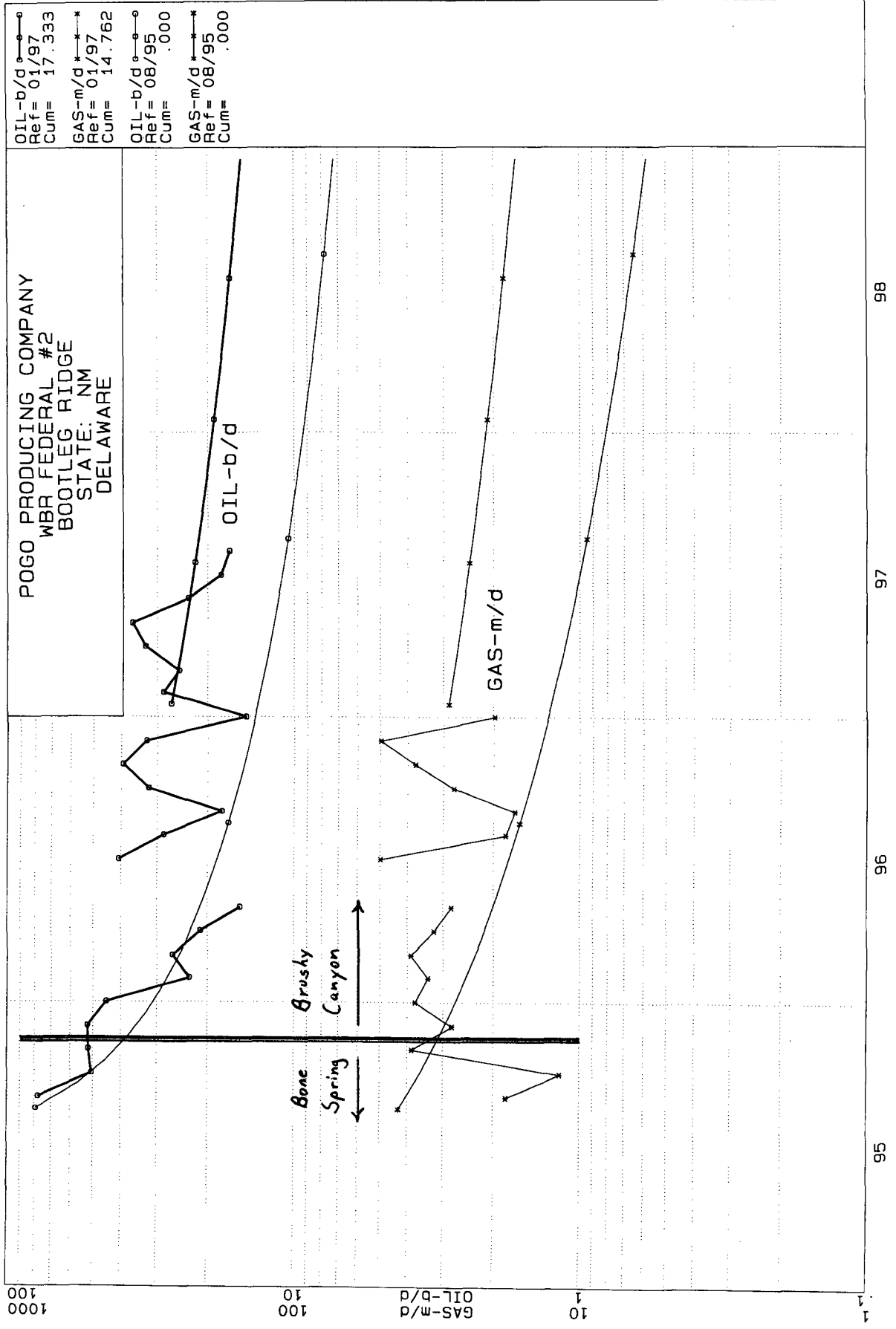
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	22 S	32 E		330	SOUTH	330	WEST	LEA

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40	N								

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

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Richard L. Wright Printed Name Division Operations Mgr. Title May 19, 1995 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. MARCH 30, 1995 Date Surveyed Signature of Surveyor Professional Surveyor NEW MEXICO 4-5-95 Num. 95-11-0430 Certificate No. JOHN W. WEST 676 RONALD N. EDSON 3239 GARY D. JOHNSON 12641	



Pogo Producing Company, OGRID No. 017891

Application for Administrative Approval for Downhole Commingling in the

WBR Federal #2 Well (Property Code 9350)

330' FSL and 330' FWL, Section 13, T-22-S, R-32-E

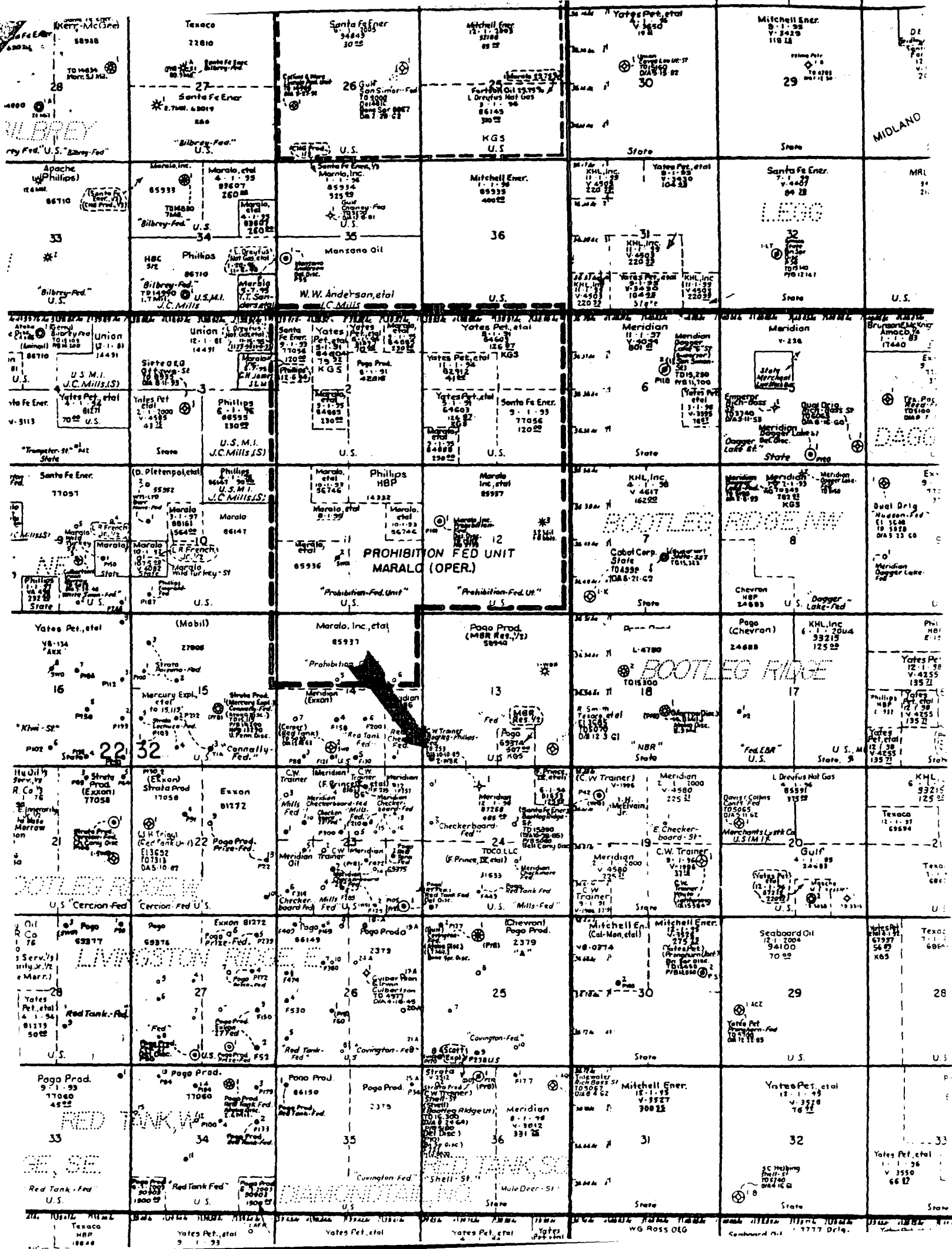
Lea County, New Mexico

Offset Operator Notification:

Burlington Resources Oil & Gas Company

P.O. Box 51810

Midland, TX 79710-1810





STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

12/16/97

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

GOVERNOR

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC X _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Pogo Operating Co WBR Federal #2-M-13-22s-32e
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

None

Yours very truly,

Chris Williams

Chris Williams
Supervisor, District 1

/ed