



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

811 South First St., 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

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Meridian Oil Inc. P.O. Box 51810 Midland, Texas 79710-1810
Operator Address
Diamondtail '34' Federal # 1 J, Sec. 34, T23S, R32E Lea
Well No. Unit Ltr. - Sec. - Twp. - Rge. Locality
OGRID NO. 25485 Property Code 016781 API NO. 30-025-32879 Spacing Unit Lease Types: (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	Triste Draw Delaware 59930		Wildcat Bone Spring
2. Top and Bottom of Pay Section (Perforations)	8354'-8537'		9865'-10,030' (Pro)
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		See attached
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 1110 b. (Original) 2949	a. b.	a. 3000 (est.) b. 3000 (est.)
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	40.1203		
7. Producing or Shut-In?	Producing		
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	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 80 days)	Date: 5/9/96 Rates: 187 oil, 185 mcf 139 water	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 80 % Gas: 80 %	Oil: % Gas: %	Oil: 20 % Gas: 20 %

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. NMOC 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 DATE 7/10/96

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

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33020	² Pool Code 59930	³ Pool Name Triste Draw Delaware
⁴ Property Code 16781	⁵ Property Name Diamondtail '34' Federal	⁶ Well Number # 1
⁷ OGRID No. 26485	⁸ Operator Name Meridian Oil Inc.	⁹ Elevation 3636'

¹⁰ Surface Location

UL or lot no.	Section 34	Township 23S	Range 32E	Lot. Idn	Feet from the 1980'	North/South Line South	Feet from the 2310'	East/West line East	County Lea
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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
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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**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 Donna Williams Printed Name Regulatory Compliance Title 7/10/96 Date
				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 of Professional Surveyor: Certificate Number

Delaware - Upper Zone

DIAMONDTAIL 34 FEDERAL 1 1 58311A-1

Prop 14

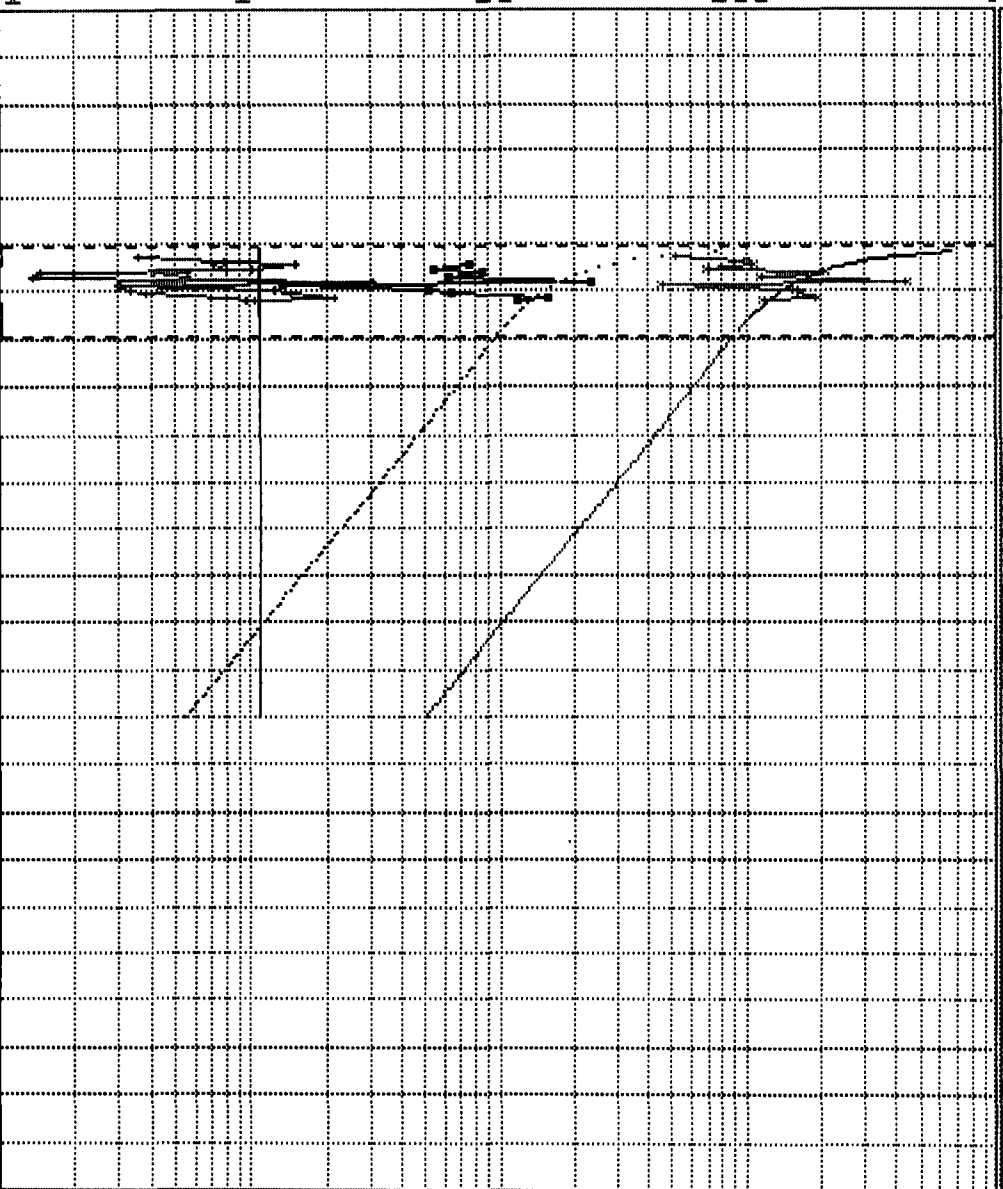
• WATER
• GAS/OIL
• GAS
• OIL

10000
100000
1000
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1000
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10

100
1000
10
1

10
100
1
0.1



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

☒ BatcTime
☒ Semi Log

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Date 7/1/1996

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Qab 5

GetQual WKJ

Major = OIL

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 10, 1994

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

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

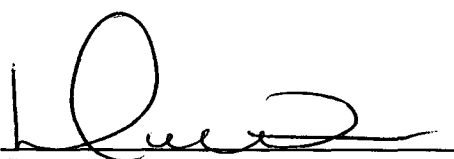
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-32879	² Pool Code	³ Pool Name Wildcat Bone Spring
⁴ Property Code 16781	⁵ Property Name Diamondtail '34' Federal	⁶ Well Number # 1
⁷ OGRID No. 26485	⁸ Operator Name Meridian Oil Inc.	⁹ Elevation 3636'

¹⁰ Surface Location									
UL or lot no.	Section 34	Township 23S	Range 32E	Lot. Idn	Feet from the 1980'	North/South Line South	Feet from the 2310'	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.				

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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 Donna Williams Printed Name Regulatory Compliance Title 7/10/96 Date			
	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 of Professional Surveyer: Certificate Number			

Bone Spring - Lower Zone

DIAMONDTAIL 34 FEDERAL (NOT BKD) : 1 : 58311B-2

Prop 36

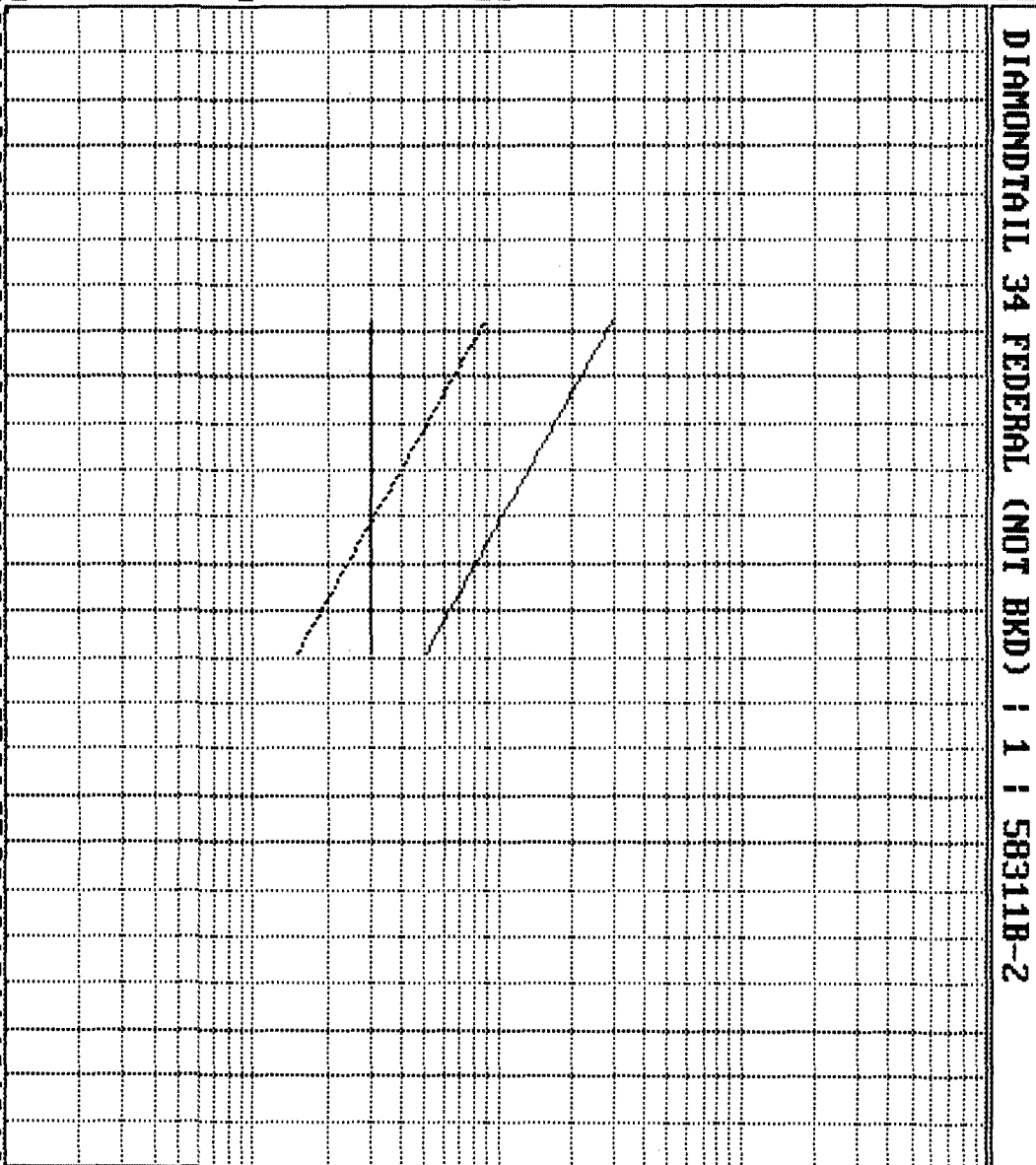
*WATER
*GAS/OIL
*GAS
*OIL

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10000
100
10

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1000
10
1

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100
1
0.1



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

EUR

☒ Rate
☐ Time
☐ Semi
☐ Log

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Date

10/1/1996

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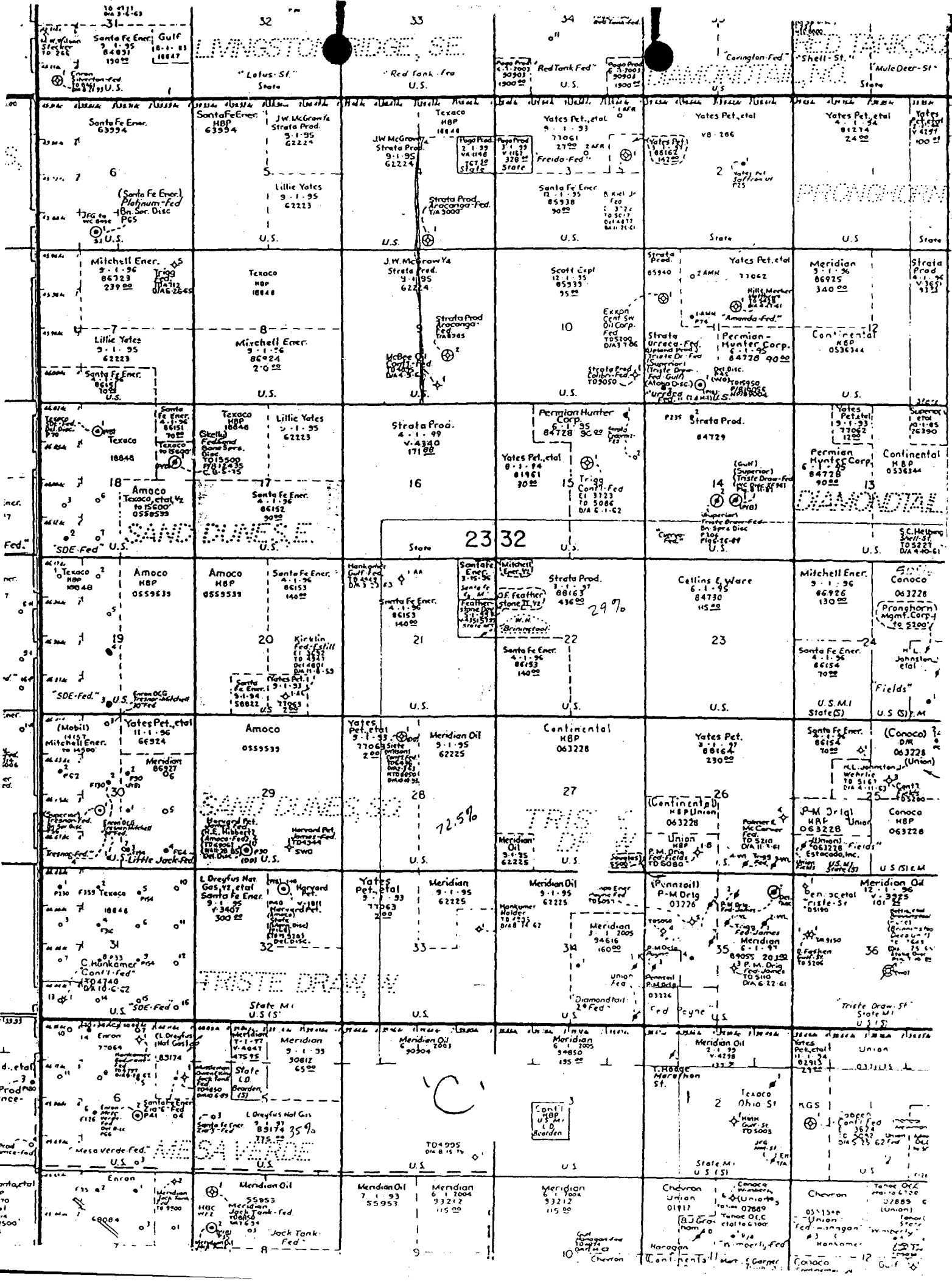
Qab

5

GetQual

WKJ

Major = OIL



MERIDIAN OIL INC.
APPLICATION FOR ADMINISTRATIVE APPROVAL
DOWNHOLE COMMINGLING
DIAMONDTAIL '34' FEDERAL WELL NO. 1
LEA COUNTY, NEW MEXICO

Conoco, Inc.
10 Desta Drive, Ste 100W
Midland, Texas 79705-4500

Pennzoil Exploration & Production
Box 2967
Houston, Texas 77252-2967

Unocal
1004 N. Big Spring, Ste. 300
Midland, Texas 79701

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

ADDITIONAL DATA FOR DOWNHOLE COMMINGLING
DIAMONDTAIL '34' FEDERAL WELL NO. 1

Meridian Oil Inc. respectfully submits the following:

The estimated bottomhole pressures for the perforations in the Bone Spring for the above referenced wells are calculated off the actual BHP for the Diamondtail '34' Federal # 3. As indicated on the application for the # 3, the actual BHP for the oil zone was 1500 at present. MOI used 3000 due to actual figures obtained during the original Bone Spring perforations of the well no. 3. We anticipate the well to come in flowing but eventually will have to be put on artificial lift. The estimated gravity for the Bone Spring zone is +/- 40. Based off figures from the Bone Spring production in the # 3, we anticipate the Bone Spring perms in the # 1 to be approximately 10 bbls oil, 40 mcf, and 25 water. This would make the allocation factors for the downhole commingling of the Diamondtail '34' Federal # 1 to be as follows:

Delaware:	80% oil and 80% gas
Bone Spring:	20% oil and 20% gas

We submit the production graph information for the Diamondtail '34' Federal # 3 be considered for the proposed downhole commingling of the Diamondtail '34' Federal # 1.

Prop 38	EUR	Cum	Rem	Rem%	Yrs	Date	Act	Qmo	Q	n	De	Qab	GetQual
☒ OIL Bbl/d ☐ GAS Mcf/d ☐ GAS/OIL ☐ WATER Bbls/d	☒ RateTime ☒ Semi Log				6.5	7/1/1996	0	306	10	0	22	2	WKJ

[illegible]