

1377

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

611 South First St., Artesia, NM 88210

DISTRICT III

1900 Rio Grande 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

Meridian Oil Inc./Burlington Resources Oil & Gas Company P.O. Box 51810 Midland, Texas 79710-1810

OWNER

Darius 'ADS' Federal Well No. 1

ADDRESS

B, Sec. 30, T23S, R32E

Lea

WELL NO.

18747

Oil Ltr. - Sec. - Twp. - Rge

County

Spacing Unit Lease Type(s) (check 1 or more)

OGRID NO.

26485

Property Code

API NO.

30-025-33262

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	West Triste Draw Delaware 59945		5th Sand Dunes Bone Spring 53805
2. Top and Bottom of Pay Section (Perforations)	7284'-7335' (Pro)		8657'-8693'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)			Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) b. (Original) 2337.5 See attached	a. b.	a. 3375 b. 2750
6. Oil Gravity (° API) or Gas BTU Content	+/-41		39
7. Producing or Shut-In?			
Production Marginal? (yes or no)			
* If Shut-In, give date and oil/gas/water rates of last production	Date: Rates:	Date: Rates:	Date: Rates:
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)	Date: Proposed Rates: 64 oil, 147 mcf, 86 water	Date: Rates:	Date: 8/29/96 Rates: 29 oil, 119 mcf, 1 water
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 60 % Gas: 50 %	Oil: % Gas: %	Oil: 40 % Gas: 50 %

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?

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☒ Yes ☐ No☒ Yes ☐ No

11. Will cross-flow occur?

Yes ☒ NoIf 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 communized 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

9/5/96

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

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

☐ AMENDED REPORT

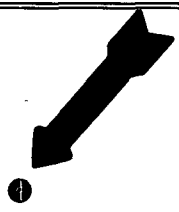

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-33262		² Pool Code 53805	³ Pool Name South Sand Dunes Bone Springs
⁴ Property Code 18747	⁵ Property Name Darius 'ADS' Federal		⁶ Well Number # 1
⁷ OGRID No. 26485	⁸ Operator Name Meridian Oil Inc.		⁹ Elevation 3638'

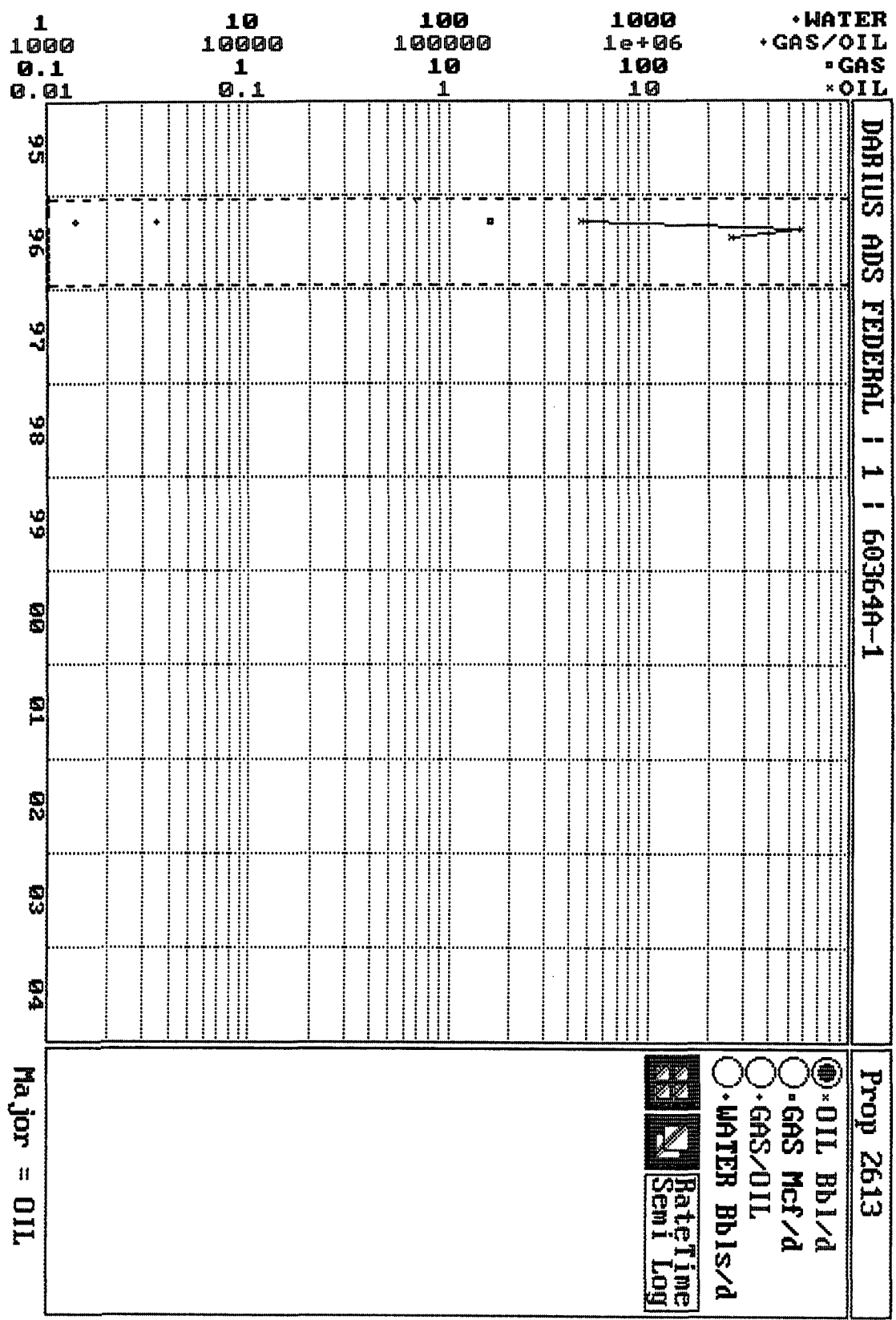
¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	30	23S	32E		990'	North	2310'	East	Lea

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**

				<p>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></p> <p></p> <p>Signature Donna Williams Printed Name Regulatory Compliance Title 9/3/96 Date</p> <p>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></p> <p>_____ Date of Survey</p> <p>_____ Signature and Seal of Professional Surveyor:</p> <p>_____ Certificate Number</p>

BONE SPRING ZONE



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PO Box 1980, Hobbs, NM 88241-1980
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PO Drawer DD, Artesia, NM 88211-0719
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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 30-025-33262	² Pool Code 59945	³ Pool Name West Triste Draw Delaware
⁴ Property Code 18747	⁵ Property Name Darius 'ADS' Federal	⁶ Well Number # 1
⁷ OGRID No. 26485	⁸ Operator Name Meridian Oil Inc.	⁹ Elevation 3638'


¹⁰ Surface Location

UL or lot no.	Section 30	Township 23S	Range 32E	Lot. Idn	Feet from the 990'	North/South Line North	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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				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

PROPOSED DELAWARE FORMATION FORECAST

DARIUS ADS FEDERAL NO.1 : 1 : 60364A-1

Prop 15

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

RateTime
Semi Log

EUR 54,652

Cum 0
Rem 54,652
Rem% 100.0%
Yrs 6.49

Date 9/1/1996

Act 0
Qmo 2,748

Q 100

n 1.6

De 90

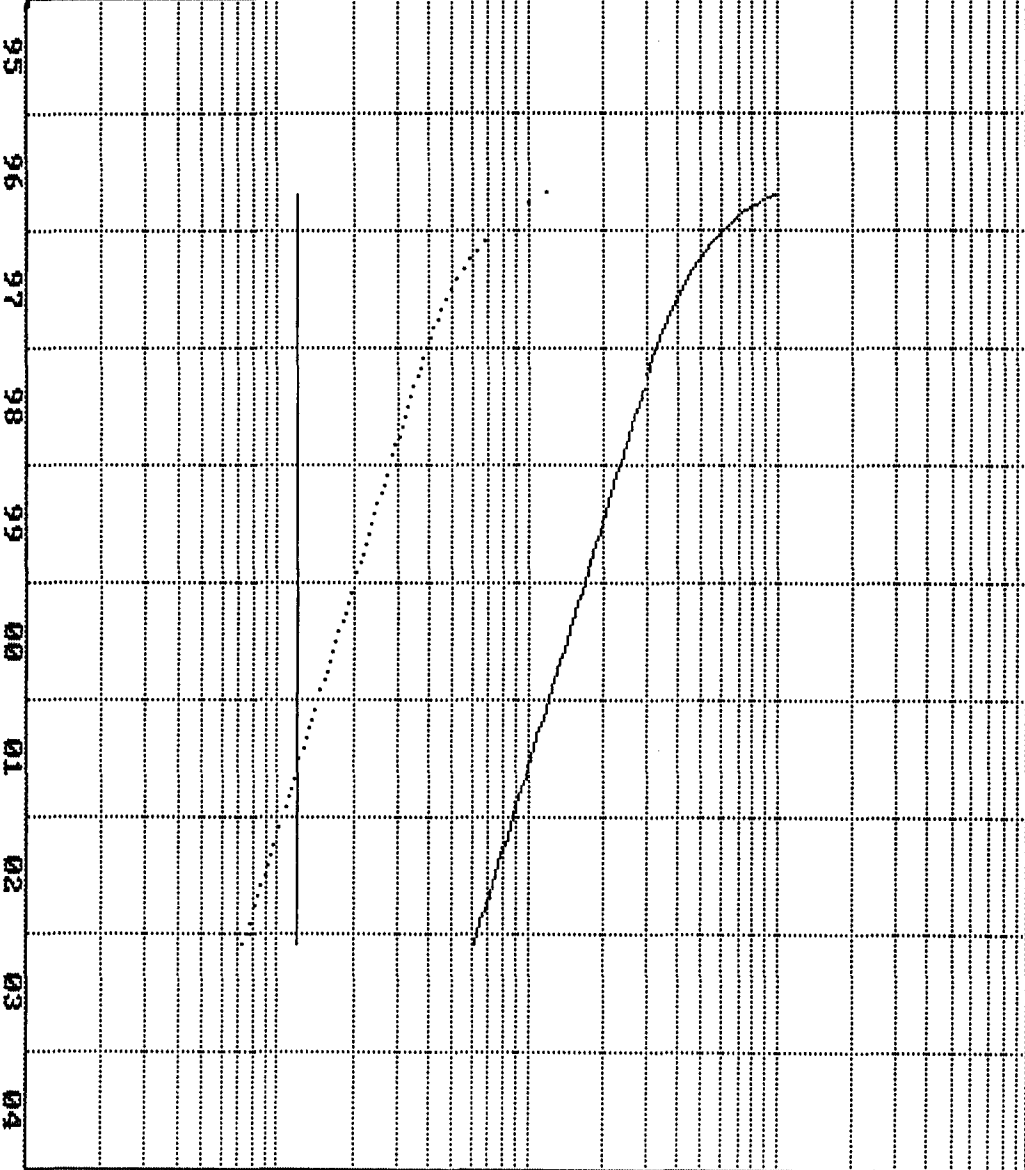
Qab 6

GetQual PROD

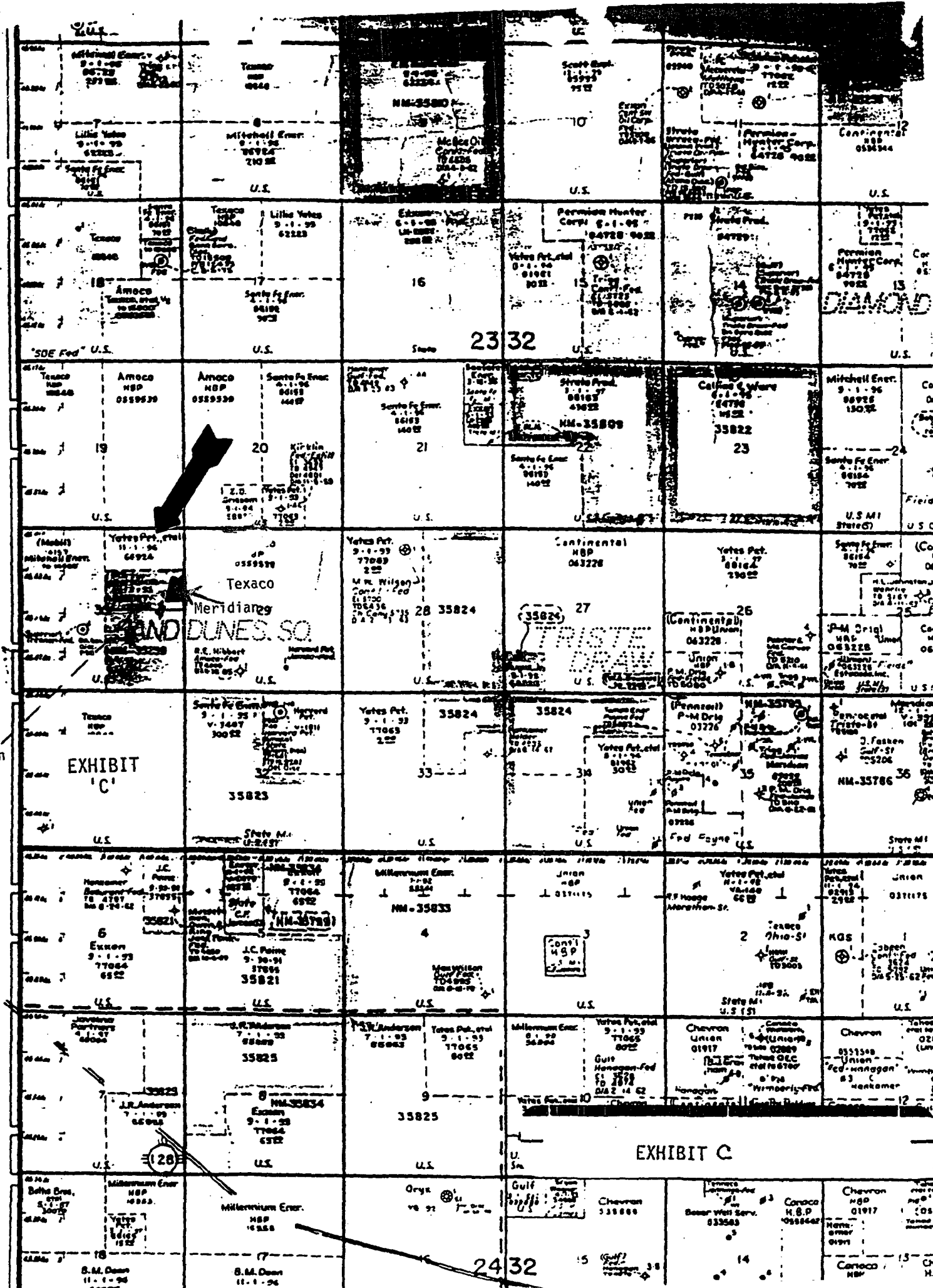
Major = OIL

• WATER
• GAS/OIL
• GAS
• OIL

100 1000 10000 100000
100 1000 10000 100000
1 10 100 1000
0.1 1 10 100



continued



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

Mobil Exploration & Production
Box 633
Midland, Texas 79702

Texaco, Inc.
Box 3109
Midland, Texas 79702

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

Amoco Production Company
Box 4891
Houston, Texas 77210

Meridian Oil Inc.
P.O. Box 51810
Midland, Texas 79710-1810

Bureau of Land Management
620 E. Greene Street
Carlsbad, New Mexico 88220

ADDITIONAL DATA FOR DOWNHOLE COMMINGLING
DARIUS 'ADS' FEDERAL WELL NO. 1

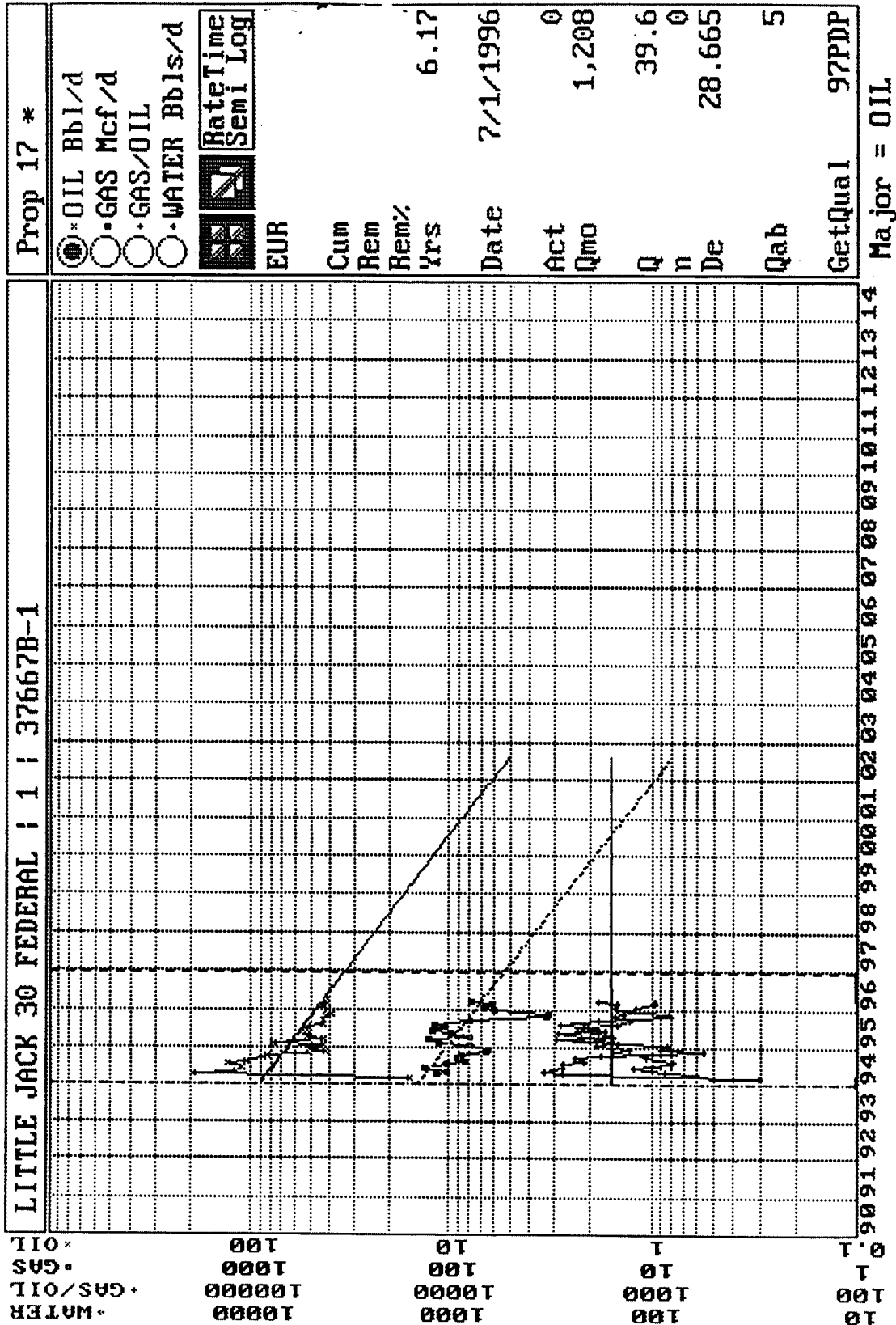
Meridian Oil Inc. respectfully submits the following:

The estimated bottomhole pressures for the perforations in the Delaware for the above referenced wells are calculated off the actual BHP for the Little Jack '30' Federal well(s) no 1 & 2. As indicated on the application for the # 1 & 2, the original BHP for the # 1 & 2 is an average of 2337.5, and the current BHP today is approximately 1190. We anticipate the well to come in flowing but eventually will have to be put on artificial lift. The estimated gravity for the Delaware zone is +/- 41. Based off figures from the Delaware production in the # 1 & 2, we anticipate the Delaware perms in this well to be approximately 64 bbls oil, 147 mcf, and 86 water. This would make the allocation factors for the downhole commingling of the Darius 'ADS' Federal # 1 to be as follows:

Delaware:	60% oil and 50% gas
Bone Spring:	40% oil and 50% gas

We submit the production graph information for the Little Jack '30' Federal well(s) no. 1 & 2 to be considered for the proposed downhole commingling of the well.

Delaware - Upper Zone



Delaware - Upper Zone

