

JUL 18 1996

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-A  
New 3-12-96

**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240  
**DISTRICT II**  
811 South First St., Artesia, NM 88210  
**DISTRICT III**  
1000 Rue Brasas Rd, Aztec, NM 87410

**OIL CONSERVATION DIVISION**

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

APPROVAL PROCESS:

Administrative  Hearing

EXISTING WELLBORE

YES  NO

**APPLICATION FOR DOWNHOLE COMMINGLING**

Operator: Meridian Oil Inc Address: P.O. Box 51810 Midland, Texas 79710-1810  
Well Name: Little Jack '30' Federal # 2 G, Sec. 30, T23S, R32E Lea County  
OGRID NO. 26485 Property Code 15123 API NO. 30-025-32481 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		South Sand Dunes Bone Spring 53805
2. Top and Bottom of Pay Section (Perforations)	8292'-8358'		8650'-8690'
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) 1280	a.	b. 1330
	b. (Original) 2500	b.	b. 2600
6. Oil Gravity (°API) or Gas BTU Content	39.5060		37.2
7. Producing or Shut-In?	Behind perma drill pkr @ 8575'		Producing
Production Marginal? (yes or no)	Yes		Yes
* If Shut-In, give date and oil/gas/water rates of last production <small>Note: For new zones with no production history, applicants shall be required to attach production estimates and supporting data</small> * If Producing, give date and oil/gas/water rates of recent test (within 90 days)	Date: 4/11/95 Rates: 83 oil, 234 mcf 20 water	Date: Rates:	Date: Rates:
	Date: Rates:	Date: 5/10/96 Rates: 3 oil, 65 mcf, 3 water	
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 60 % Gas: 30 %	Oil: % Gas: %	Oil: 40 % 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. NMCCD 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  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**

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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-025-32481</b>		<sup>2</sup> Pool Code <b>59945</b>		<sup>3</sup> Pool Name <b>West Triste Draw Delaware</b>	
<sup>4</sup> Property Code <b>15123</b>		<sup>5</sup> Property Name <b>Little Jack '30' Federal</b>			<sup>6</sup> Well Number <b># 2</b>
<sup>7</sup> OGRID No. <b>26485</b>		<sup>8</sup> Operator Name <b>Meridian Oil Inc.</b>			<sup>9</sup> Elevation <b>3627'</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	<b>30</b>	<b>23S</b>	<b>32E</b>		<b>1980'</b>	<b>North</b>	<b>2310'</b>	<b>East</b>	<b>Lea</b>

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres <b>40</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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**

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p style="text-align: center;"></p> <p>Signature <b>Donna Williams</b></p> <p>Printed Name <b>Regulatory Compliance</b></p> <p>Title <b>7/10/96</b></p> <p>Date</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p><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 Surveyer:</p>
	<p>Certificate Number</p>

Delaware - Upper Zone

LITTLE JACK 30 FEDERAL 1 2 1 39704A-2

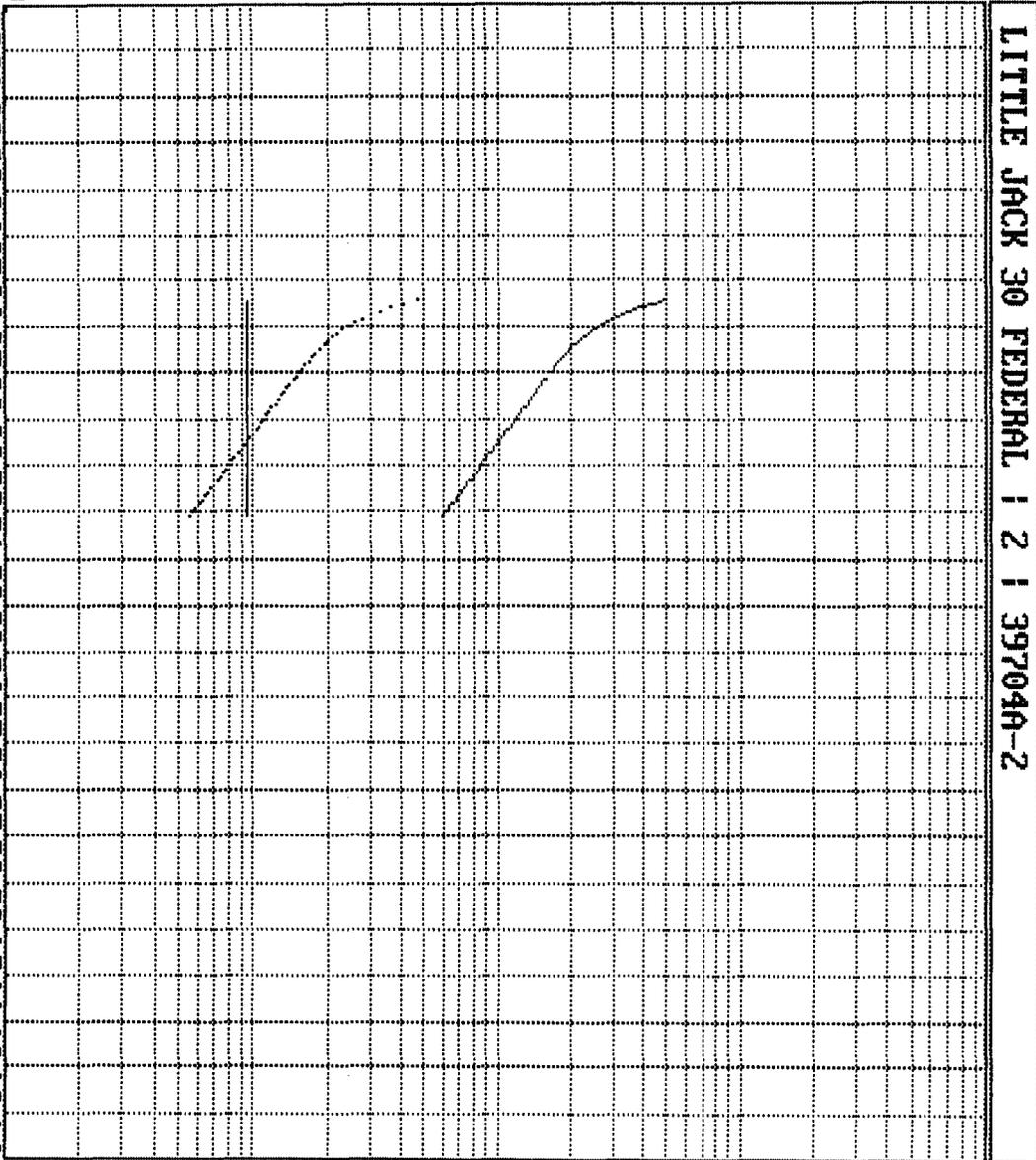
• WATER  
• GAS/OIL  
• GAS  
• OIL

10000  
100000  
1000  
100

1000  
10000  
100  
10

100  
1000  
10  
1

10  
100  
1  
0.1



Prop 20 \*

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

RateTime  
Semi Log

EUR

Cum  
Rem  
Rem%  
Yrs  
4.66

Date  
7/1/1996

Act  
Qmo  
1,267

Q  
n  
De  
43.5  
1.58  
78.193

Qab  
6

GetQual  
UKJ

Major = OIL

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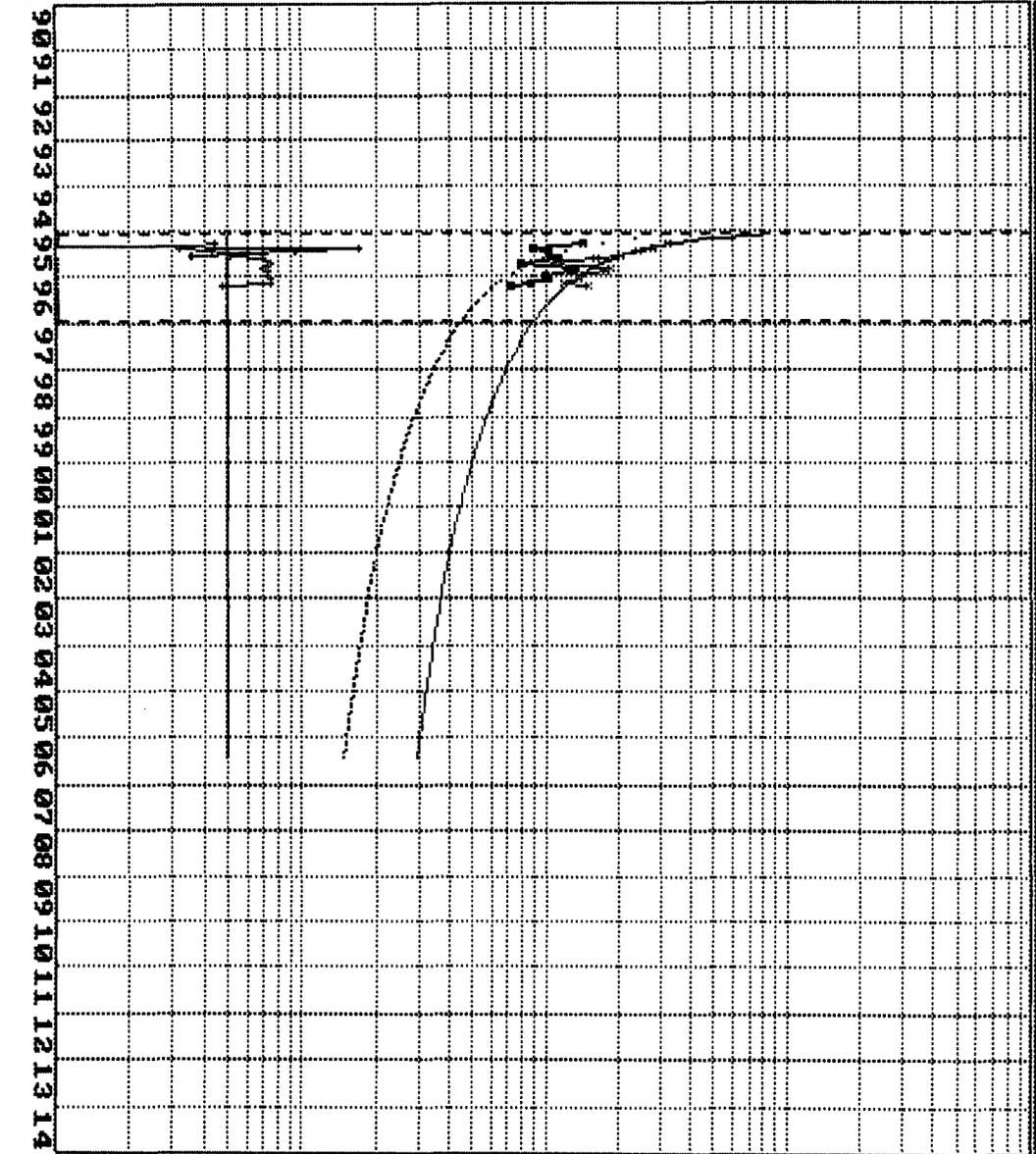
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Date of Survey Signature and Seal of Professional Surveyer:				
Certificate Number				

1 10 100 1000 WATER  
 1000 10000 100000 1e+06 GAS/OIL  
 1 10 100 1000 GAS  
 0.1 1 10 100 OIL

LITTLE JACK 30 FEDERAL 1 2 1 39704B-1

*Bone Spring - Lower zone*



Prop 21

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

Rate  
 Time  
 Semi  
 Log

EUR  
 Cum Rem  
 Rem%  
 Yrs 10

Date 7/1/1996

Act 0  
 Qmo 324

Q 10.7  
 n 1.6  
 De 34.609

Qab 3

GetQual 97PDP

Major = OIL



**MERIDIAN OIL INC.**  
**APPLICATION FOR ADMINISTRATIVE APPROVAL**  
**DOWNHOLE COMMINGLING**  
**LITTLE JACK '30' FEDERAL WELL NO. 2**  
**LEA COUNTY, NEW MEXICO**

**Mobil Exploration & Production**  
**Box 633**  
**Midland, Texas 79702**

**Santa Fe Energy Resources Inc.**  
**550 W. Texas Avenue, Ste. 1330**  
**Midland, Texas 79701**

**Texaco Inc.**  
**Box 3109**  
**Midland, Texas 79702**

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