

|                       |          |                     |                         |                 |                           |
|-----------------------|----------|---------------------|-------------------------|-----------------|---------------------------|
| DATE IN <b>9.3.10</b> | SUSPENSE | ENGINEER <b>DDA</b> | LOGGED IN <b>9.3.10</b> | TYPE <b>DDA</b> | APP NO. <b>1024653773</b> |
|-----------------------|----------|---------------------|-------------------------|-----------------|---------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



*Apache*  
*Bertha Barber #22*  
**30-025-39564**

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

**4318**

**[1] TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

RECEIVED OGD  
 2010 SEP - 3 P 2:37

**[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply**

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

**[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

**[4] CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

|                      |                      |                                     |                  |
|----------------------|----------------------|-------------------------------------|------------------|
| <u>Reesa Holland</u> | <u>Reesa Holland</u> | <u>Sr. Engineering Tech</u>         | <u>8/31/2010</u> |
| Print or Type Name   | Signature            | Title                               | Date             |
|                      |                      | <u>Reesa.Holland@apachecorp.com</u> |                  |
|                      |                      | e-mail Address                      |                  |



August 31, 2010

Mr. Will Jones  
New Mexico Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505-4225

RE: Application for Exception for Downhole Commingling  
Bertha Barber #22 – Monument Field – API 30-025-39564  
Unit K, Section 5, T-20-S, R-37-E  
Tubb, Drinkard & Abo Pools  
Lea County, New Mexico

Dear Mr. Jones:

Enclosed please find form C-107A and attachments for downhole commingling the captioned well. The ownerships (WI, NRI and ORRI) of these pools are identical in this wellbore. The fluids from each of these pools are compatible as seen in other similar commingles in the area. Combining these fluids will not result in any damage to these pools nor will it reduce the value of the total remaining production. Commingling will improve the efficiency of present and future recovery operations. Cross flow will not be a problem due to having a production lift system capable of keeping the well pumped off thereby maximizing production.

The allocation method used for this well was determined by analyzing the cumulative oil, gas and water production in a nine section area of review surrounding this well. Supporting documentation is shown on the attached spreadsheet. Production for active and inactive wells was grouped by pool in the area of review. The totals for each phase were then divided by the number of wells associated with this pool yielding an average. This average was used to determine the percentage allocation. The area of review used encompasses what has been accepted as a good statistical representation for allocation purposes. By using this allocation method all zones will be brought online in a more effective and efficient manner. This will in turn generate a higher productive rate and quicker revenue streams not only for the operator but for the State of New Mexico too.

If you need additional information or have any questions, please give me a call at (432) 818-1062.

Sincerely,

A handwritten signature in cursive script that reads "Reesa Holland".

Reesa Holland  
Sr. Engineering Technician

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505  
APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE  
☒ Single Well  
☐ Establish Pre-Approved Pools  
EXISTING WELLBORE  
☒ Yes ☐ No

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705  
Operator Address  
Bertha Barber 022 K 5 20S 37E Lea  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 873 Property Code 306595 API No. 30-025-39564 Lease Type: ☐ Federal ☐ State ☒ Fee

| DATA ELEMENT  | UPPER ZONE  | INTERMEDIATE ZONE                              | LOWER ZONE  |
|---|---|--|---|
| Pool Name   | Monument; Tubb  | Monument; Drinkard                             | Monument; Abo                                     |
| Pool Code   | 47090   | 97060  | 46970   |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)   | 6300'-6520' (Act Perf)                                  | 6698'-6800' (Act Perf)                         | 6846'-7640' (Act Perf)                            |
| Method of Production<br>(Flowing or Artificial Lift)  | Artificial Lift   | Artificial Lift                                | Artificial Lift                                   |
| Bottomhole Pressure<br>(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)    | NA  | NA   | NA  |
| Oil Gravity or Gas BTU<br>(Degree API or Gas BTU)   | 35.3 API  | 35.3 API                                       | 35.3 API  |
| Producing, Shut-In or New Zone  | Producing   | New Zone                                       | New Zone  |
| Date and Oil/Gas/Water Rates of Last Production.<br>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.) | Date: 8/21/2010<br>Rates: 23 oil<br>109 gas<br>84 water | Date: Est<br>Rates: 6 oil<br>9 gas<br>37 water | Date: Est<br>Rates: 17 oil<br>118 gas<br>74 water |
| Fixed Allocation Percentage<br>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)                  | Oil 51 % Gas 46 %                                       | Oil 13 % Gas 4 %                               | Oil 36 % Gas 50 %                                 |

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐  
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐  
Will commingling decrease the value of production? Yes ☐ No ☒  
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☐ No ☐  
NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

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 working, royalty and overriding royalty interests for uncommon interest cases.  
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:  
List of other orders approving downhole commingling within the proposed Pre-Approved Pools  
List of all operators within the proposed Pre-Approved Pools  
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.  
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE Reesa Holland TITLE Sr. Engineering Tech DATE 8/31/2010  
TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. ( 432 ) 818-1062  
E-MAIL ADDRESS Reesa.Holland@apachecorp.com

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

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<br>30-025-39564 | <sup>2</sup> Pool Code<br>46970   | <sup>3</sup> Pool Name<br>Monument; Abo |
| <sup>4</sup> Property Code<br>306595    | <sup>5</sup> Property Name<br>Bertha Barber   | <sup>6</sup> Well Number<br>022         |
| <sup>7</sup> OGRID No.<br>873           | <sup>8</sup> Operator Name<br>Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705 | <sup>9</sup> Elevation<br>3563' GR      |

**<sup>10</sup> Surface Location**

|                    |              |                 |              |         |                       |                           |                       |                        |               |
|--------------------|--------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| UL or lot no.<br>K | Section<br>5 | Township<br>20S | Range<br>37E | Lot Idn | Feet from the<br>1650 | North/South line<br>South | Feet from the<br>1650 | East/West line<br>West | County<br>Lea |
|--------------------|--------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

**<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<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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.

|  |   |  |
|--|---|--|
| <div style="text-align: center;"> </div> | <b><sup>17</sup> OPERATOR CERTIFICATION</b><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><div style="display: flex; justify-content: space-between;"> <div> <i>Reesa Holland</i><br/>           Signature         </div> <div>           08/31/2010<br/>           Date         </div> </div> <div>           Reesa Holland.<br/>           Printed Name         </div> |  |
|  | <b><sup>18</sup> SURVEYOR CERTIFICATION</b><br><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<br>Signature and Seal of Professional Surveyor:  |  |
|  | Certificate Number  |  |

## District I

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## District II

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## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

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☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |   |  |
|---|---|--|
| <sup>1</sup> API Number<br>30-025-39564 | <sup>2</sup> Pool Code<br>97060   | <sup>3</sup> Pool Name<br>Monument; Drinkard |
| <sup>4</sup> Property Code<br>306595    | <sup>5</sup> Property Name<br>Bertha Barber   | <sup>6</sup> Well Number<br>022              |
| <sup>7</sup> OGRID No.<br>873           | <sup>8</sup> Operator Name<br>Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705 | <sup>9</sup> Elevation<br>3563' GR           |

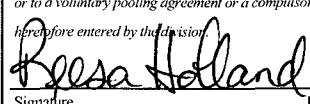
<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| K             | 5       | 20S      | 37E   |         | 1650          | South            | 1650          | West           | Lea    |

<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<br>40 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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.

|  |  |  |
|--|--|--|
| <div style="position: relative; height: 400px;"> <div style="position: absolute; top: 100px; left: 100px; border: 2px solid black; width: 100px; height: 100px;"></div> <div style="position: absolute; top: 150px; left: 100px;">1650'</div> <div style="position: absolute; top: 350px; left: 100px;">1650'</div> </div> | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order<br><i>hereby entered by this division</i><br><div style="display: flex; justify-content: space-between;"> <div> <br/>           Signature         </div> <div>08/31/2010<br/>Date</div> </div> <div>Reesa Holland<br/>Printed Name</div> |  |
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|  | Date of Survey<br>Signature and Seal of Professional Surveyor:   |  |
|  | Certificate Number   |  |

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Form C-102  
Revised October 12, 2005  
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☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|   |   |                                 |  |
|---|---|---------------------------------|--|
| <sup>1</sup> API Number<br>30-025-39564 |   | <sup>2</sup> Pool Code<br>47090 | <sup>3</sup> Pool Name<br>Monument; Tubb |
| <sup>4</sup> Property Code<br>306595    | <sup>5</sup> Property Name<br>Bertha Barber   |                                 | <sup>6</sup> Well Number<br>022          |
| <sup>7</sup> OGRID No.<br>873           | <sup>8</sup> Operator Name<br>Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705 |                                 | <sup>9</sup> Elevation<br>3563' GR       |

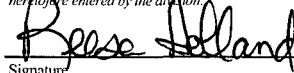
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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
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<sup>11</sup> Bottom Hole Location If Different From Surface

| 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<br>80 |         | <sup>13</sup> Joint or Infill |       | <sup>14</sup> Consolidation Code |               | <sup>15</sup> 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.

|  |                      |  |  |  |   |
|--|----------------------|--|--|--|---|
| <div style="position: relative; height: 400px;"> <div style="position: absolute; top: 100px; left: 100px; border: 1px solid black; width: 150px; height: 100px; transform: rotate(-90deg); transform-origin: left top;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px dashed black;"></div> </div> </div>   | <p><sup>16</sup></p> |  |  |  | <p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order</i></p> <p>hereby entered by the division</p> <div style="display: flex; justify-content: space-between;"> <div> <br/> Signature </div> <div> 08/31/2010<br/> Date </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Reesa Holland<br/> Printed Name </div> |
|  |                      |  |  |  |   |
|  |                      |  |  |  |   |
|  |                      |  |  |  |   |
| <p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Date of Survey<br/> Signature and Seal of Professional Surveyor: </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Certificate Number </div> |                      |  |  |  |   |

| Lease Name        | Well Number | 10DIGITAPI | Location             | Tubb      | Drinkard | Abo     | Tubb       | Drinkard | Abo       | Tubb      | Drinkard | Abo       |
|-------------------|-------------|------------|----------------------|-----------|----------|---------|------------|----------|-----------|-----------|----------|-----------|
| L M LAMBERT       | 2           | 3002505926 | 6G 20S 37E C SW NE   | 66        |          |         | 4418       |          |           | 176127    |          |           |
| L M LAMBERT       | 4           | 3002505928 | 6H 20S 37E C SE NE   | 1981      |          | 1466    | 830357     |          | 6991      | 6011      |          | 799       |
| G C MATTHEWS      | 5           | 3002505946 | 6J 20S 37E NW NW SE  | 121       |          | 22337   | 3228       |          | 206022    | 17248     |          | 38034     |
| G C MATTHEWS      | 12          | 3002505953 | 6P 20S 37E SW SE SE  | 2702      |          |         | 313478     |          |           | 2538      |          |           |
| J R PHILLIPS      | 5           | 3002505958 | 6D 20S 37E           |           |          | 24428   |            |          | 1376245   |           |          | 166279    |
| J R PHILLIPS      | 6           | 3002505959 | 6 20S 37E N2 SW NW   | 2568      |          | 84770   | 11369      |          | 2522178   | 2944      |          | 150923    |
| BERTHA J BARBER   | 12          | 3002505978 | 7A 20S 37E N2 NE NE  | 862       |          | 2743    | 1136650    |          | 13506     | 1776      |          | 160       |
| BERTIE WHITMIRE   | 6           | 3002506016 | 8B 20S 37E SW NW NE  |           |          | 36765   |            |          | 100568    |           |          | 52363     |
| BERTIE WHITMIRE   | 8           | 3002506018 | 8F 20S 37E           |           |          | 36176   |            |          | 154854    |           |          | 79683     |
| L VAN ETEN        | 11          | 3002520217 | 9I 20S 37E C NE SE   | 68230     |          |         | 768554     |          |           | 12149     |          |           |
| BARBER ADKINS 8   | 1           | 3002520436 | 8D 20S 37E C NW NW   | 12561     |          |         | 136884     |          |           | 20333     |          |           |
| LAUGHLIN          | 1           | 3002521652 | 9H 20S 37E           | 53957     |          |         | 462225     |          |           | 61699     |          |           |
| L VAN ETEN        | 12          | 3002521773 | 9O 20S 37E NW SW SE  | 3536      |          |         | 1009082    |          |           | 125654    |          |           |
| V LAUGHLIN        | 4           | 3002521926 | 9A 20S 37E           | 39976     |          |         | 172669     |          |           | 7415      |          |           |
| T ANDERSON        | 4           | 3002525292 | 8I 20S 37E           | 1781      |          |         | 8000       |          |           | 19238     |          |           |
| ANDERSON          | 1           | 3002529962 | 8O 20S 37E SW SE     | 12260     |          |         | 29946      |          |           | 101798    |          |           |
| L VAN ETEN        | 13          | 3002531727 | 9K 20S 37E SE NE SW  | 621       |          | 16793   | 368786     |          | 62692     | 2997      |          | 5342      |
| L VAN ETEN        | 14          | 3002534204 | 9M 20S 37E NE SW SW  | 1564      |          | 14009   | 197064     |          | 188770    | 18214     |          | 25609     |
| W H LAUGHLIN      | 7           | 3002533141 | 9E 20S 37E           | 38990     |          |         | 391696     |          |           | 94255     |          |           |
| BERTHA BARBER     | 16          | 3002533919 | 5K 20S 37E NW NE SW  | 33442     |          | 88931   | 85789      |          | 317485    | 3104      |          | 1808      |
| THEODORE ANDERSON | 12          | 3002534021 | 8P 20S 37E SE SE SE  |           | 1945     | 21997   |            | 3617     | 436600    |           | 8642     | 48086     |
| LAUGHLIN          | 2           | 3002534067 | 9G 20S 37E SW SW NE  | 9753      |          |         | 116602     |          |           | 31187     |          |           |
| BERTHA BARBER     | 17          | 3002534204 | 5F 20S 37E SW SE NW  | 85128     |          | 3182    | 590308     |          | 13432     | 10070     |          | 1245      |
| BERTHA BARBER     | 18Y         | 3002534327 | 5L 20S 37E SE NW SW  | 24837     |          |         | 3565       |          | 70677     | 195999    |          | 29732     |
| W H LAUGHLIN      | 8           | 3002534341 | 9F 20S 37E NW SE NW  |           | 2543     | 16152   |            | 10622    | 178085    |           | 95345    | 14920     |
| L VAN ETEN        | 19          | 3002534528 | 9 20S 37E SE SW SE   | 1530      | 191      | 8512    | 106        | 1327     | 18095     | 2664      | 2664     | 9949      |
| LAUGHLIN          | 1           | 3002534975 | 4N 20S 37E SW SE SW  | 31270     | 20627    | 4626    | 107399     | 71363    | 14213     | 10272     | 6288     | 1869      |
| J R PHILLIPS      | 15          | 3002535119 | 6 20S 37E W2 NE NW   | 3         |          | 16855   | 505392     |          | 71897     | 33        |          | 96703     |
| COOPER 5          | 6           | 3002535151 | 5G 20S 37E SW SW NE  | 15927     | 17962    |         | 53312      | 59935    |           | 13564     | 15302    |           |
| LAUGHLIN          | 2           | 3002535182 | 4L 20S 37E W2 NW SW  | 53947     |          |         | 388586     |          |           | 23714     |          |           |
| LAUGHLIN          | 3           | 3002535348 | 4O 20S 37E SE SW SE  | 45584     |          |         | 117905     |          |           | 30979     |          |           |
| COOPER 5          | 7           | 3002535399 | 5H 20S 37E S2 SE NE  | 115239    |          |         | 642985     |          |           | 26552     |          |           |
| LAUGHLIN          | 4           | 3002535477 | 4J 20S 37E SW NW SE  | 103644    |          |         | 278745     |          |           | 35073     |          |           |
| J R PHILLIPS      | 16          | 3002535501 | 6F 20S 37E NE SE NW  |           |          | 5177    |            |          | 244913    |           |          | 169907    |
| LAUGHLIN          | 5           | 3002535584 | 4H 20S 37E SE SE NE  | 17815     |          |         | 86514      |          |           | 95460     |          |           |
| LAUGHLIN          | 6           | 3002535676 | 4F 20S 37E SW SE NW  | 24750     |          |         | 71062      |          |           | 25432     |          |           |
| BAXTER CULP 31    | 5           | 3002535692 | 31P 19S 37E SE SE SE | 6220      | 2053     | 14778   | 1715       | 523      | 25089     | 22631     | 2287     | 16467     |
| LOVE 32           | 3           | 3002535694 | 32O 19S 37E SW SW SE | 31114     |          |         | 34585      |          |           | 64572     |          |           |
| LAUGHLIN 5        | 1           | 3002535827 | 5P 20S 37E NE SE SE  | 32975     |          |         | 156218     |          |           | 95138     |          |           |
| LAUGHLIN 5        | 2           | 3002535862 | 5J 20S 37E SE NW SE  | 55301     |          |         | 587465     |          |           | 27618     |          |           |
| LAUGHLIN          | 8           | 3002535870 | 4M 20S 37E SE SW SW  | 27770     |          |         | 116915     |          |           | 15909     |          |           |
| LAUGHLIN          | 7           | 3002535891 | 4K 20S 37E SW NE SW  | 30454     |          |         | 121277     |          |           | 29624     |          |           |
| COOPER 4          | 3           | 3002535934 | 4E 20S 37E SW SW NW  | 2297      |          |         | 2101       |          |           | 1558      |          |           |
| LAUGHLIN          | 9           | 3002535958 | 4I 20S 37E SE NE SE  | 21401     |          |         | 47552      |          |           | 57933     |          |           |
| COOPER 5          | 9           | 3002535990 | 5 20S 37E SE NW NE   | 34091     |          |         | 111841     |          |           | 90689     |          |           |
| LAUGHLIN 5        | 3           | 3002536000 | 5I 20S 37E NW NE SE  | 79189     |          |         | 652785     |          |           | 100707    |          |           |
| LAUGHLIN 5        | 4           | 3002536023 | 5O 20S 37E N2 SW SE  | 68044     |          |         | 150742     |          |           | 21131     |          |           |
| COOPER 5          | 8           | 3002536045 | 5 20S 37E SW NE NE   | 83332     |          |         | 312844     |          |           | 311655    |          |           |
| BERTHA BARBER     | 21          | 3002536134 | 5 20S 37E SE NE NW   | 47229     |          |         | 584253     |          |           | 96633     |          |           |
| LAUGHLIN 8        | 1           | 3002536147 | 8A 20S 37E W2 NE NE  | 42768     |          | 13929   | 223213     |          | 44908     | 17817     |          | 8516      |
| LAUGHLIN          | 10          | 3002536161 | 4P 20S 37E NW SE SE  | 23212     |          |         | 68545      |          |           | 65908     |          |           |
| BERTIE WHITMIRE   | 11          | 3002536331 | 8B 20S 37E W2 NW NE  | 47758     |          |         | 177109     |          |           | 77669     |          |           |
| BERTHA BARBER 7   | 1           | 3002536472 | 7I 20S 37E NE NE SE  |           |          | 39491   |            |          | 666154    |           |          | 88177     |
| COOPER 8          | 2           | 3002536529 | 8H 20S 37E NE SE NE  | 3307      |          | 39      | 16594      |          |           | 27301     |          | 1278      |
| V LAUGHLIN        | 5           | 3002536675 | 9C 20S 37E N2 NE NW  | 4937      |          | 29290   | 10478      |          | 77943     | 2317      |          | 10375     |
| BARBER ADKINS 8   | 2           | 3002536717 | 8L 20S 37E SW NW SW  |           |          | 10863   |            |          | 76654     |           |          | 29677     |
| V LAUGHLIN        | 7           | 3002539587 | 9D 20S 37E NW NW NW  |           |          | 6172    |            |          | 10866     |           |          | 10858     |
| TOTALS            |             |            |                      | 1,446,044 | 45,321   | 523,046 | 12,400,329 | 147,387  | 6,898,837 | 2,301,309 | 130,528  | 1,058,759 |
| AVERAGES          |             |            |                      | 30,126    | 7,554    | 20,922  | 258,340    | 24,565   | 287,452   | 47,944    | 21,755   | 42,350    |

| Proposed Allocations | Oil  | Gas  | Water |
|----------------------|------|------|-------|
| Tubb                 | 51%  | 46%  | 43%   |
| Drinkard             | 13%  | 4%   | 19%   |
| Abo                  | 36%  | 50%  | 38%   |
| TOTAL                | 100% | 100% | 100%  |