| •     |  | Submit by Email   |
|-------|--|---|
|       | Sure of suspense                           | ENGINEER ZZ June 07 D.HC PCLP07173U5733<br>LOGGED IN TYPE APP NO 345733   |
|       |  | ABOVE THIS LINE FOR DIVISION USE ONLY ZA 2  |
|       | N  | NEW MEXICO OIL CONSERVATION DIVISION  |
|       | 1  | - Engineering Bureau -  |
|       |  | 1220 South St. Francis Drive, Santa Fe, NM 87505  |
|       | A  | ADMINISTRATIVE APPLICATION CHECKLIST  |
|       | THIS CHECKLIST IS MA                       | NDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS  |
| Appli | ication Acronyms                           | WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE  |
|       | [NSL-Non-Stan<br>[DHC-Down<br>[PC-Poo<br>[ | dard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]<br>hole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]<br>ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]<br>[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]<br>[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]<br>ified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] |
| [1]   | TYPE OF API<br>[A]                         | PLICATION - Check Those Which Apply for [A]<br>Location - Spacing Unit - Simultaneous Dedication<br>NSL NSP SD<br>One Only for [B] or [C]   |
|       | Check [B]                                  | Commingling - Storage - Measurement Oil Conservation Division   |
|       | [C]  | Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  |
|       | [D]  | Other: Specify  |
| [2]   | NOTIFICATI<br>[A]                          | ON REQUIRED TO: - Check Those Which Apply, or Does Not Apply<br>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 ACC                                 | CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE  |

OF APPLICATION INDICATED ABOVE.

3

[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.

| Eddy W Seay        | Elling her June | Agent            | 6/18/2007 |
|--------------------|-----------------|------------------|-----------|
| Print or Type Name | Signature       | Title            | Date      |
|                    | N               | seay04@leaco.net |           |

e-mail Address

| Sul | bmıt | by | Email |  |
|-----|------|----|-------|--|
|     |      |    |       |  |

Form C-107A

Revised June 10, 2003

| District I          |                 |
|---------------------|-----------------|
| 1625 N French Drive | Hobbs, NM 88240 |

District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

1000 Reo Brazos Road Aztec, NM 87410 DISTRICT IV 1220 S St Francis Dr. Santa Fo. NM 87505

### State of New Mexico Energy, Minerals and Natural Resources Department

APPLICATION FOR DOWNHOLE COMMINGLING

Oil Conservation Division 1220 South St Francis Dr Santa Fe, New Mexico 87505 APPLICATION TYPE \_\_\_\_\_\_Single Well \_\_\_\_\_\_Stablish Pre-Approved Pools EXISTING WELLBORE \_\_\_\_\_\_Yes \_\_\_\_No

| PETROHAWK OPERATIN        | IG COMPANY | 1000 LOUISIAN, STE 5600,           | HOUSTON, TX 77002 |
|---------------------------|------------|------------------------------------|-------------------|
| Operator<br>STATE A A/C-1 | 29         | Address<br>C-11-23S-36E            | (LEA DH-C=3913)   |
| Lease                     | Well No    | Unit Letter-Section-Township-Range | County            |
| 104840                    | 302432     | 30-025-00310                       | v                 |

OGRID No <u>194849</u> Property Code <u>302432</u> API No <u>30-025-09310</u> Lease Type \_\_\_\_Federal X State \_\_\_\_Fee

| DATA ELEMENT  | UPPER ZODE                              | INTERMEDIATE ZONE | LOWER ZONE                              |
|---|---|-------------------|---|
| Pool Name   | JALMAT;TAN-Y-7R GAS                     |                   | LANGLIE MATTIX;7R-Q-GB                  |
| Pool Code   | 79240                                   |                   | 37240                                   |
| Top and Bottom of Pay Section<br>(Perforated or Open-Hole Interval)   | 2970-3434                               |                   | 3450-3624                               |
| Method of Production<br>(Flowing or Artificial Lift)  | ARTIFICIA LIFT                          |                   | ARTIFICIAL LIFT                         |
| Bottomhole Pressure<br>(Note Pressure data will not be required if the bottom<br>perforation in the lower zone is within 150% of the<br>depth of the top perforation in the upper zone) |   |                   |   |
| Oil Gravity or Gas BTU<br>(Degree API or Gas BTU)   |   |                   |   |
| Producing, Shut-In or<br>New Zone   | NEW ZONE                                |                   | PRODUCING                               |
| Date and Oil/Gas/Water Rates of<br>Last Production<br>(Note For new zones with no production history,<br>applicant shall be required to attach production                               | Dec 2006<br>Date<br>0.0 bopd 27.0mcfgpd | Date              | See attached<br>supporting data<br>Date |
| estimates and supporting data )   | Rates                                   | Rates             | Rates                                   |
| Fixed Allocation Percentage<br>(Note If allocation is based upon something other<br>than current or past production, supporting data or<br>explanation will be required )               | Oil Gas<br>0 29.9<br>% %                | Oıl Gas           | Oil Gas<br>100 70.1<br>% %              |

### ADDITIONAL DATA

| Are all working, royalty and overriding royalty interests identical in all commingled zones?<br>If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?     | Yes<br>Yes | No<br>No |
|---|------------|----------|
| Are all produced fluids from all commingled zones compatible with each other?   | Yes_X      | 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<br>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 o | complete to the best o |                               |
|---|------------------------|-------------------------------|
| SIGNATURE Eddy W Seay                                     | TITLE AGENT            | DATE 618 300 7                |
| TYPE OR PRINT NAME_Eddy W Seay                            |                        | _TELEPHONE NO (505) 392. 2236 |
| E-MAIL ADDRESS seay04@leaco net                           |                        |                               |

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

## 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

| 'API Number<br>30-025-09310          | WELL LOCATION AND<br><sup>2</sup> Pool Code<br>37240 | <sup>3</sup> Pool Name<br>LANGLIE MATTIX;7 RIVERS-QUEE | EN-GRAYBURG |  |  |
|--------------------------------------|--|--|-------------|--|--|
| <sup>4</sup> Property Code<br>302432 | STATE A A/C-1  | <sup>5</sup> Property Name<br>STATE A A/C-1            |             |  |  |
| 'ogrid №.<br>194849                  | PETROHAWK OPERATIN                                   | <sup>2</sup> Elevation                                 |             |  |  |

| UL or lot no.<br>C   | Section<br>11 | Township<br>23S | Range<br>36E | Lot Idn | Feet from the<br>990 | North/South line<br>NORTH | Feet from the<br>1650 | East/West line<br>WEST | LEA | County |
|--|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|-----|--------|
| <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 Acre<br>40 | s <sup>13</sup> Joint or | Infill <sup>"</sup> C | onsolidation ( | Code <sup>15</sup> Or | der 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.

| 16<br>•<br>•<br>• | + 990<br>+ 29<br>+ 29 | • | <sup>17</sup> OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to<br>the best of my knowledge and belief, and that this organization either owns a<br>working interest or unleased mineral interest in the land including the<br>proposed bottom hole location or has a right to drill this well at this location<br>put suant to a contract with an owner of such a mineral or working interest,<br>or to a voluntary pooling agreement or a compulsory pooling order<br>hereafore entered by the division |
|-------------------|-----------------------|---|--|
| •                 | ,                     | ¢ | Signature<br>Eddy W Seay Agent<br>Printed Name   |
|                   | •                     |   | <sup>18</sup> SURVEYOR CERTIFICATION<br>I hereby certify that the well location shown on this plat<br>was plotted from field notes of actual surveys made by<br>me or under my supervision, and that the same is true<br>and correct to the best of my belief.   |
|                   | •                     |   | Date of Survey Signature and Seal of Professional Surveyor Certificate Number  |

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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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

| <sup>'</sup> API Number<br>30-025-09310 | <sup>2</sup> Pool Code<br>79240 | <sup>° Pool Name</sup><br>JALMAT;TANSIL-YATES-7 RIVERS (GAS) |  |  |
|---|---------------------------------|--|--|--|
| <sup>4</sup> Property Code<br>302432    | STATE A A/C-1                   | <sup>6</sup> Well Number<br>29                               |  |  |
| <sup>7</sup> OGRID No.<br>194849        | PETROHAWK OPERATING             | <sup>9</sup> Elevation                                       |  |  |

| UL or lot no.<br>C   | Section<br>11          | Township<br>23S        | Range<br>36E   | Lot Idn                | Feet from the<br>990 | North/South line<br>NORTH | Feet from the<br>1650 | East/West line<br>WEST | Cour |
|--|------------------------|------------------------|----------------|------------------------|----------------------|---------------------------|-----------------------|------------------------|------|
| <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         | Cou  |
|  |                        |                        |                |                        |                      |                           |                       |                        |      |
| " Dedicated Acres  | <sup>13</sup> Joint or | Infill <sup>14</sup> C | onsolidation ( | Code <sup>16</sup> Ore | der 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.

|                                  |          | ////         | ///      |   |
|----------------------------------|----------|--------------|----------|---|
| 16 / 660<br>− 660 → 92<br>− 1650 | 2310     | 660 19       | 80 7,660 | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to<br>the best of my knowledge and belief, and that this organization either owns a<br>working interest or unleaved nuneral interest in the land including the<br>proposed bottom hole location or has a right to drill this well at this location<br>pursuant to a contract with an owner of such a mineral or working interest,<br>or to a voluntary pooling agreement or a compulsory pooling order |
| 660 × 99                         | 2310     |              | 67<br>67 | hererofore entered by the donsion   |
| 1650                             |          | 11 - 11<br>1 | 11 11    | <sup>18</sup> SURVEYOR CERTIFICATION<br>I hereby certify that the well location shown on this plat<br>was plotted from field notes of actual surveys made by<br>me or under my supervision, and that the same is true<br>and correct to the best of my belief.  |
| 1980                             | 1650 .03 | 4<br>?       |          | Date of Survey<br>Signature and Seal of Professional Surveyor<br>Certificate Number   |

| FORM         TOP           9 50° @ 328<br>w3/2 ax Cmt         STATE A A/C-1 #29<br>WELLBORE DUARRAM<br>PETROMAWK OPERATING CO.<br>SU-T-R 11C233-36E<br>POOL: JALMAT[TAN/AYTES-T RVRS [PR Cods)<br>CODE LEVATION: 3.4<br>STATUS: ACTIVE JALMAT[TAN/AYTES-T RVRS [PR Cods)<br>CODE LEVATION: 3.4<br>EXAMPLE ALL AVTES-T RVRS [PR Cods)<br>CODE LEVATION: 3.4<br>EXAMPLE ALL AVTES (PR RVRS [PR Cods)<br>CODE LEVATION: 3.4<br>EXAMPLE ALL AVTES (PR RVRS [PR Cods)<br>CODE DO S.000 FT RVRS [PR Cods)<br>CODE LEVATION: 3.4<br>EXAMPLE ALL AVTES (PR RVRS [PR RVRS |        |
|---|--------|
| 9 58° @ 328'         W342 as Cmt         SUT-R         112:233:36E         API H:: 30:025:0931           9 58° @ 328'         W342 as Cmt         CO, ST:         LEA, NEW MEXICO         LAND TYPE: STATE           STATUS: ACTIVE         CARSING         LAND TYPE:         STATE           STATUS: ACTIVE         CARSING         LAND TYPE:         STATE           LATEST RUG WORKOVER:         DIAGRAM REVISED:         5/3/2004 BY ERG           DIAGRAM REVISED:         5/3/2004 BY ERG         COS ELEVATION: 3:44P KS           GROUND ELEVATION: 3:40P KS         GROUND ELEVATION: 3:42P KS         COS ELEVATION: 3:42P KS           Using a size of a size  |        |
| SB 56° (g 3.28°<br>W342 as Cint       SUT_R       11C-23S-38E<br>POOL::       JALMAT; TAN-YATES-7 RVRS (PRO GAS)<br>POOL::         B 56° (g 3.28'<br>W342 as Cint       ST_LEA, NEW MEXICO<br>LAND TYPE::       STATUS:         STATUS::       ACTIVE       ACREAGE       40.12         LAND TYPE::       STATUS::       ACTIVE       ACREAGE       40.12         LAND TYPE::       STATUS::       ACTIVE       ACREAGE       40.12         LATES TRIG WORKOVER:       DIAGRAM REVISED:       5/3/2004 BY ERG       Exceeding to the state of the sta   |        |
| TANSILL       2,825'         YATES       2,955'   |        |
| Wr342 ax Cmt       CO, ST: LEA, NEW MEXICO       LAND TYPE: STATE         STATUS: ACTIVE       ACREAGE       40.12         LATEST RIG WORKOVER:       DIAGRAM REVISED       5/3/2004 BY ERG         DIAGRAM REVISED       5/3/2004 BY ERG         CASING       LINER         Hold with 32.38       20.835         Grada       Thread         DiaGRAM REVISED       5/3/2004 BY ERG         CASING       LINER         Hold with 32.38       20.835         Bild Spud. 985 OH Initial Completion         Open tode 2, 805 WEOD ax Cmt, circ out 300 ax         Mid wit as 0.016*         TANSILL       2,825         (flie pick)       Top of Fish approx. 3.018*         Tay Science       Top of Fish approx. 3.018*         Tay Color 3.010*       LANCLE MATTIX LUME TRANSOLEEN HISTORY         Note: Weil and produced 5 & 50.7*         Open tode 2, 80.5         Weil has produced 5 & 50.7*         Top of Fish approx. 3.018*   |        |
| WG42 sx Cmt       CO, ST: LEA, NEW MEXICO LAND TYPE: STATE<br>STATUS: ACTIVE       ACREAGE       40.12         LATEST RIG WORKOVER:<br>DIAGRAM REVISED       S/3/2004 BY ERG       Excellence         CASING       LINER       Excellence       5/3/2004 BY ERG         Construction: 3,449 KR<br>GROUND ELEVATION: 3,440 KR<br>GROUND ELEVATION: 3,440 KR<br>GROUND ELEVATION: 3,440 KR<br>GROUND ELEVATION: 3,440 KR<br>GROUND ELEVATION:   |        |
| Image: Status: ACTIVE       ACREAGE       40.12         LATEST RIG WORKOVER:       DIAGRAM REVISED:       5/3/2004 BY ERG         LOC ELEVATION: 3.449 KG       COUND ELEVATION: 3.449 KG         Weight 32.8 /20.8 239       Diagram         Wright 32.8 /20.8 239       Diagram         Weight 32.8 /20.8 239       Diagram         Dage       Diagram         Weight 32.8 /20.8 239       Diagram         Weight 32.8 /20.8 239       Diagram         Transd       Diagram         Doph       328 / 2.8 95         Mud wt       Doph         Doph       328 / 2.8 95         Mud wt       Doph         Doph       Diagram         Diagram       Diagram         Tanstation       Diagram         Diagram       Diagram         Diagram       Diagram         Tanstation       Diagram         Diagram       Diagram         Tanstation       Diagram         Diagram       Diagram         Diagram       Diagram         Diagram       Diagram         Diagram       Diagram         Diagram       Diagram         Diagram       Diagram         Diagr   |        |
| ANSILL         2,825           Image: Control of the support         3,018           Top of Fish approx. 3,018         Image: Control of the support           Top of Fish approx. 3,018         Image: Control of the support           Top of Fish approx. 3,018         Image: Control of the support           Top of Fish approx. 3,018         Image: Control of the support           Top of Fish approx. 3,018         Image: Control of the support           Top of Fish approx. 3,018         Image: Control of the support  |        |
| TANSILL         2,825           YITES         2,855           YITES         2,955   | ······ |
| TANSILL       2,825'<br>(file pick)         YATES       2,855'  |        |
| TANSILL         2,825           YATES         2,855           TOp of Fish approx. 3,018"           Tice of Signed Top of Signed Top of Top of Fish approx. 3,018"           Tice of Top of Fish approx. 3,018"   | E      |
| CROUND ELEVATION: 3.4           Image: State of the state of   | B      |
| TANSILL         2,825'           (file pick)         7' @ 2,885' w/800 ax Cmt, circ out 300 ax           Top of Fish approx. 3,018'         Top of Fish approx. 3,018'           Top of Fish approx. 3,018'         LANGLIE MATTIX (LWR TRVR8-QUEEN) HISTO           Top of Fish approx. 3,018'         LANGLIE MATTIX (LWR TRVR8-QUEEN) HISTO  | 130'   |
| TANSILL         2,825'           (file pick)         7' @ 2,885' w/800 ax Cmt, circ out 300 ax           Top of Fish approx. 3,018'         Top of Fish approx. 3,018'           Top of Fish approx. 3,018'         LANGLIE MATTIX (LWR TRVR8-QUEEN) HISTO           Top of Fish approx. 3,018'         LANGLIE MATTIX (LWR TRVR8-QUEEN) HISTO  |        |
| TANSILL         2,825'           (file pick)         7' @ 2,885' w/800 sx Cmt, circ out 300 sx           YATES         2,955'   | TUBING |
| TANSILL       2,925'<br>(file pick)         YATES       2,855'             Top of Fish approx. 3,018'<br>Fill CO to 3,071  |        |
| TANSILL       2,825'         YATES       2,85'         YATES       2,85'             Top of Fish approx. 3,018'  | 2 3/8" |
| ANSILL       2,825'<br>(file pick)         YATES       2,85'         Top of Fish approx. 3,018'<br>Fill CO to 3,071       Top of Fish approx. 3,018'<br>Fill CO to 3,071  | 4.7#   |
| TANSILL       2,825'         YATES       2,855'         Top of Fish approx. 3,018'         Top of Fish approx. 3,017         Top of Fish approx. 3,017         Note:: Well orginally produced from Yates-7/Krr  |        |
| IANSILL       2,825'<br>(file pick)         YATES       2,855'             Top of Fish approx. 3,018'<br>Fill CO to 3,071             Top of Fish approx. 3,018'<br>Fill CO to 3,071             Top of Fish approx. 3,018'<br>Fill CO to 3,071   | 2,980  |
| TAN-YATES-7 RVRS ZONE HISTOR         B/61 Spud. 9/61 CH Initial Completion         Open hole 2,885-3,600         CAOF 9,500 MCFPD         B/77 MIRU. PU could not pull tog & pkr. Cut to pulled fish. CO to 3,600 & returned well to protist 320 MCFPD, BC & 10,500 & returned well to protist 320 MCFPD, BC & 0 BW         TaN-SILL       2,825' (file pick)         Y @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071       1/89         LANGLIE MATTIX (LWR 7R/RS-QUEEN) HISTO         Note: Well originally produced from Yates-7/KYR Queen.  |        |
| TAN-YATES-7 RVRS ZONE HISTOR         B/51 Spud. 9/61 OH Initial Completion         Open hole 2,885-3,600         GAOF 3500 MCFPD         B/71 MIRU. PU could not pull bg & pkr. Cut bg         pulled fish. CO to 3,600 & returned well to pro         Tats 320 MCFPD, 080 & 0 BW         1/89 Pull bg to CO H. Left 522 2 3/8" 4.7# tt         Fish. Work fish downhole to 3,016". CO basid to 3,016". CO basid to 3,016". CO basid to 3,016". CO basid to 3,011".         POP         Tats 2,955"         Top of Fish approx. 3,018"         Top of Fish approx. 3,018"         Fill CO to 3,071         I/200         Fill CO to 3,071         1/89  |        |
| TAN-YATES-7 RVRS ZONE HISTOR         B/61 Spud. 9/61 CH Initial Completion         Open hole 2,885-3,600         CAOF 9,500 MCFPD         B/77 MIRU. PU could not pull tog & pkr. Cut tog         pulled fish. CO to 3,600 & returned well to pro         Taki 320 MCFPD, BO & 0 BW         1/89 Pull tog to CO H. Left 522' 2 38' 4.7# ti         Fish. Work fish downhole to 3,016'. CO besid         YATES         2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         Fill CO to 3,071         Pop         LANGLIE MATTIX (LWR 7RVR8-QUEEN) HISTO         Note: Well originally produced from Yates-7/km         Quelon.   |        |
| TANSILL       2,825'         (file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'   |        |
| ANSILL       2,825'<br>(file pick)         YATES       2,955'             Top of Fish approx. 3,018'<br>Fill CO to 3,071       1/89             Image: Control of the second contrelevencontecontrol of the second control of the second  |        |
| Image: Second state of the second s   | ŀ      |
| TANSILL       2,825'         (file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'   | ├      |
| TANSILL       2,825'         (file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'   |        |
| TANSILL       2,825'<br>(file pick)       0 </td <td></td>  |        |
| TANSILL       2,825'         (file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'   |        |
| TANSILL       2,825'<br>(file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'  |        |
| TANSILL       2,825'<br>(file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'  |        |
| TANSILL       2,825'<br>(file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'  | Y      |
| TANSILL       2,825'<br>(file pick)       Open hole 2,885-3,600'<br>CAOF 9,500 MCFPD         TANSILL       2,825'<br>(file pick)       OPPORTUNITY         TANSILL       2,825'<br>(file pick)       OPPORTUNITY         YATES       2,955'       OPPORTUNITY (LWR 7RVRS-QUEEN) HISTO         Top of Fish approx. 3,018'<br>Fill CO to 3,071       Top of Fish approx. 3,018'<br>Fill CO to 3,071       LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTO  |        |
| TANSILL       2,825'<br>(file pick)       CAOF 9,500 MCFPD<br>677 MIRU. PU could not pull tbg & pkr. Cut tbg<br>pulled fish. CO to 3,600' & returned well to pro<br>Tstd 320 MCFPD, 0 BO & 0 BW<br>1/89 Pull tbg to CO OH. Left 522' 2 3/8" 4.7# tt<br>Fish. Work fish downhole to 3,016'. CO besid<br>to 3,071'.<br>POP         TANSILL       2,825'<br>(file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx       Well has produced 6.6 BCF.<br>Redrill well to frac Yates, etc or perf & frac Yates<br>offset well #83.         YATES       2,955'       Top of Fish approx. 3,018'<br>Fill CO to 3,071 1/89       LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTO<br>Note: Well originally produced from Yates-7Rvr<br>Queen.   |        |
| TANSILL       2,825'<br>(file pick)       Image: Comparison of the pick of the p  |        |
| TANSILL       2,825'<br>(file pick)       Two of Fish approx. 3,018'<br>Fill CO to 3,071       Two of Fish approx. 3,018'<br>Fill CO to 3,071       Transition of Fish approx. 3,018'<br>LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTO<br>Note: Well originally produced from Yates-7Rvr<br>Queen.   |        |
| TANSILL       2,825'         (file pick)       7" @ 2,885' w/800 sx Cmt, circ out 300 sx         YATES       2,955'         Top of Fish approx. 3,018'         Top of Fish approx. 3,018'         Fill CO to 3,071         Image: Section of the s  | od.    |
| TANSILL       2,825'<br>(file pick)       Fish. Work fish downhole to 3,018'. CO beside to 3,018'. CO beside to 3,071'.<br>POP         YATES       2,955'       OPPORTUNITY         YATES       2,955'         Top of Fish approx. 3,018'       LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTO         Note:       Well originally produced from Yates-7Rvr<br>Queen.   | tha as |
| TANSILL       2,825'<br>(file pick)       OPPORTUNITY         YATES       2,955'         Top of Fish approx. 3,018'<br>Fill CO to 3,071       Image: Comparison of the pick of the pi   |        |
| TANSILL       2,825'<br>(file pick)       OPPORTUNITY         YATES       2,955'         Top of Fish approx. 3,018'       LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTO         Fill CO to 3,071       1/89  |        |
| YATES       2,955'         YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         ICO to 3,071         ICO to 3,071         ICO to 3,071  |        |
| YATES       2,955'         YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         ICO to 3,071         ICO to 3,071         ICO to 3,071  |        |
| YATES       2,955'         YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         I/89  |        |
| YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         INDEE: Well originally produced from Yates-7Rvr<br>Queen.  |        |
| YATES       2,955'         Top of Fish approx. 3,018'         Fill CO to 3,071         1/89         Note: Well originally produced from Yates-7Rvr<br>Queen.  |        |
| YATES 2,955' Top of Fish approx. 3,018' Fill CO to 3,071 1/89 Note: Well originally produced from Yates-7Rvr Queen.   | s in   |
| Top of Fish approx. 3,018' Fill CO to 3,071 1/89 Cueen.   |        |
| Fill CO to 3,071 1/89 Note: Well originally produced from Yates-7Rvr Queen.   |        |
| Fill CO to 3,071 1/89 Note: Well originally produced from Yates-7Rvr Queen.   |        |
| Queen.  | DRY    |
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| QUEEN 3,520' Bttm of Fish approx. 3,540'  |        |
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| The new constants of the new c  |        |
| TD 3,600'   |        |
| CURRENT   |        |

# State A A/C-1 # 29Supporting Data for Commingling Permit

Petrohawk Operating Company is proposing to clean out well to PBTD at 3600' (fish in hole) and run 4-1/2" casing to allow selective perforating of the Jalmat;Tansill-Yates-Seven Rivers pool and the Seven Rivers and Queen formations of the Langlie Mattix pool.

### **Proposed Allocation**

The proposed allocation is based on the performance of wells offsetting the # 29 well. The State A A/C-1 # 29 is producing only from the Jalmat pool and the State A A/C-1 # 92 produses only from the Langlie Mattix pool.

|                   | State A A/C-1 # 29 |          |             | State A A/C-1 # 92 |          |             |  |
|-------------------|--------------------|----------|-------------|--------------------|----------|-------------|--|
| Date              | Oil, bbls          | Gas, mcf | Water, bbls | Oil, bbls          | Gas, mcf | Water, bbls |  |
| Aug-06            | 0                  | 926      | 0           | 3                  | 2372     | 31          |  |
| Sep-06            | 0                  | 1031     | 0           | 0                  | 2159     | 30          |  |
| Oct-06            | 0                  | 989      | 0           | 0                  | 2358     | 42          |  |
| Nov-06            | 0                  | 924      | 0           | 20                 | 2174     | 120         |  |
| Dec-06            | 0                  | 838      | 0           | 24                 | 1970     | 31          |  |
| TOTALS            | 0                  | 4708     | 283         | 47                 | 11033    | 254         |  |
| Percent of        |                    |          |             |                    |          |             |  |
| Combined<br>Total | 0.0%               | 29.9%    | 0.0%        | 100%               | 70.1%    | 100%        |  |