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New Mexico  
Energy Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-140  
Originated 11/1/93

Submit Original  
Plus 2 Copies  
to appropriate  
District Office

H-0044

APPLICATION FOR  
QUALIFICATION OF WELL WORKOVER PROJECT  
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: CHEVRON U.S.A., INC. OGRID #: 4323  
Address: P. O. BOX 1150, MIDLAND, TX 79702

Contact Party: MICHAEL VILLALVA Phone: (915) 687-7262

II. Name of Well: ARROWHEAD GRAYBURG UNIT #157 API #: 30-025-08740  
Location of Well: Unit Letter H, 1980 Feet from the NORTH line and 660 feet from the EAST line.  
Section 02, Township 22S, Range 36E, NMPM, LEA County

III. Date Workover Procedures Commenced: 7/11/95  
Date Workover Procedures were Completed: 7/12/95

IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.

V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.

VI. Pool(s) on which Production Projection is based:

ARROWHEAD GRAYBURG

VII. AFFIDAVIT:

State of TEXAS )  
County of MIDLAND ) ss.

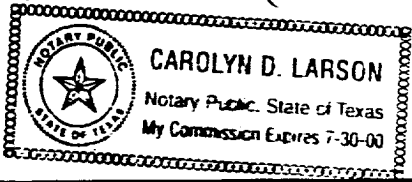
Michael Villalva, being first duly sworn, upon oath states:

1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Michael R. Villalva  
(Name)

SUBSCRIBED AND SWORN TO before me this 3<sup>rd</sup> day of July, 1996  
Carolyn D. Larson

Notary Public



My Commission expires: 7-30-00

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 7-12, 1996

[Signature]  
District Supervisor, District 1 Geologist  
Oil Conservation Division

Date: 7/29/96

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: \_\_\_\_\_

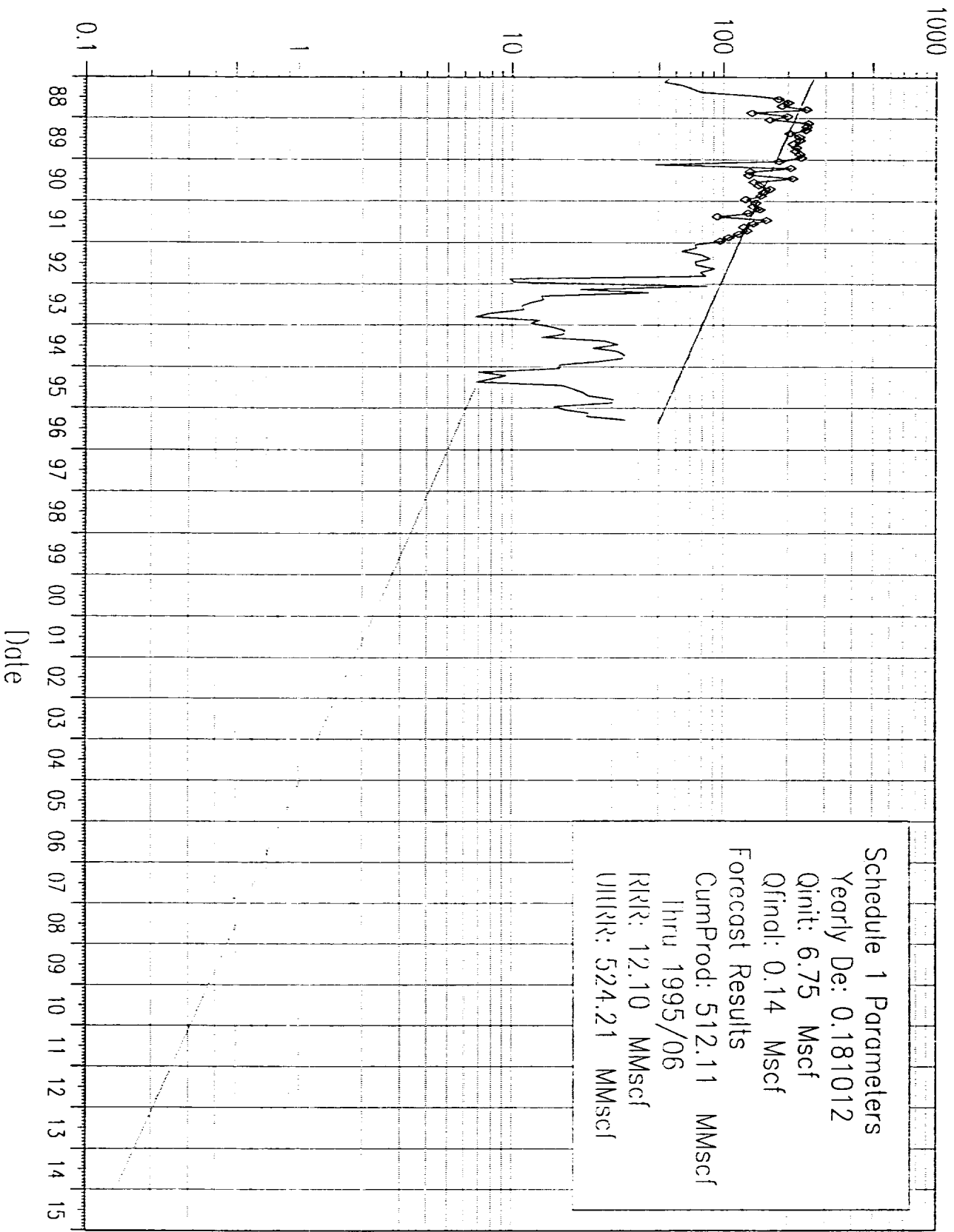
Received  
JUL 29 1996  
TOLSON

AGU #157  
ARROWHEAD GRAYBURG  
LEA COUNTY, NM

*Summarized Workover Procedure:*

This workover was designed to replace the existing rodstring with graphite "ribbon" rods in order to reduce the rod load and allow the surface unit to pump more fluid. Ultimately, the excess water will be pumped off and an increase in oil production will occur.

- 1) Move in & rig up pulling unit.
- 2) Pull out of hole with rods and pump.
- 3) ND wellhead and NU BOP.
- 4) Run in hole and tag for fill. Clean out if necessary.
- 5) ND BOP and NU wellhead. Run in hole w/ pump and ribbon rod.
- 6) Rig down pulling unit and move out.
- 7) Return to production.



LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 8801 | 1573                       | 0.00                             | 1724                       | 0.00                             |
| 8802 | 1354                       | 0.00                             | 1534                       | 0.00                             |
| 8803 | 1461                       | 0.00                             | 1983                       | 0.00                             |
| 8804 | 1341                       | 0.00                             | 2147                       | 0.00                             |
| 8805 | 1338                       | 0.00                             | 2440                       | 0.00                             |
| 8806 | 1320                       | 0.00                             | 4183                       | 0.00                             |
| 8807 | 1262                       | 0.00                             | 5657                       | 0.00                             |
| 8808 | 1216                       | 0.00                             | 6267                       | 0.00                             |
| 8809 | 1238                       | 0.00                             | 5680                       | 0.00                             |
| 8810 | 1532                       | 0.00                             | 7645                       | 0.00                             |
| 8811 | 1138                       | 0.00                             | 4128                       | 0.00                             |
| 8812 | 1223                       | 0.00                             | 6207                       | 0.00                             |
| 8901 | 756                        | 0.00                             | 5153                       | 0.00                             |
| 8902 | 733                        | 0.00                             | 7048                       | 0.00                             |
| 8903 | 764                        | 0.00                             | 7679                       | 0.00                             |
| 8904 | 605                        | 0.00                             | 7361                       | 0.00                             |
| 8905 | 748                        | 0.00                             | 6414                       | 0.00                             |
| 8906 | 744                        | 0.00                             | 6849                       | 0.00                             |
| 8907 | 757                        | 0.00                             | 7108                       | 0.00                             |
| 8908 | 694                        | 0.00                             | 6653                       | 0.00                             |
| 8909 | 662                        | 0.00                             | 6662                       | 0.00                             |
| 8910 | 640                        | 0.00                             | 6817                       | 0.00                             |
| 8911 | 611                        | 0.00                             | 6904                       | 0.00                             |
| 8912 | 619                        | 0.00                             | 7222                       | 0.00                             |
| 9001 | 678                        | 0.00                             | 5705                       | 0.00                             |
| 9002 | 564                        | 0.00                             | 1343                       | 0.00                             |
| 9003 | 660                        | 0.00                             | 6453                       | 0.00                             |
| 9004 | 833                        | 0.00                             | 4059                       | 0.00                             |
| 9005 | 480                        | 0.00                             | 4136                       | 0.00                             |
| 9006 | 614                        | 0.00                             | 6376                       | 0.00                             |
| 9007 | 627                        | 0.00                             | 4362                       | 0.00                             |
| 9008 | 613                        | 0.00                             | 4605                       | 0.00                             |
| 9009 | 537                        | 0.00                             | 5020                       | 0.00                             |
| 9010 | 560                        | 0.00                             | 4830                       | 0.00                             |
| 9011 | 556                        | 0.00                             | 4549                       | 0.00                             |
| 9012 | 461                        | 0.00                             | 4000                       | 0.00                             |
| 9101 | 581                        | 0.00                             | 4445                       | 0.00                             |
| 9102 | 545                        | 0.00                             | 3903                       | 0.00                             |
| 9103 | 611                        | 0.00                             | 4647                       | 0.00                             |
| 9104 | 513                        | 0.00                             | 3970                       | 0.00                             |
| 9105 | 334                        | 0.00                             | 2952                       | 0.00                             |
| 9106 | 551                        | 0.00                             | 4822                       | 0.00                             |
| 9107 | 646                        | 0.00                             | 4335                       | 0.00                             |
| 9108 | 668                        | 0.00                             | 3921                       | 0.00                             |
| 9109 | 561                        | 0.00                             | 3915                       | 0.00                             |
| 9110 | 597                        | 0.00                             | 3703                       | 0.00                             |
| 9111 | 433                        | 0.00                             | 3220                       | 0.00                             |
| 9112 | 464                        | 0.00                             | 3035                       | 0.00                             |

LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 9203 | 597                        | 0.00                             | 1989                       | 0.00                             |
| 9204 | 745                        | 0.00                             | 2385                       | 0.00                             |
| 9205 | 455                        | 0.00                             | 2709                       | 0.00                             |
| 9206 | 361                        | 0.00                             | 2223                       | 0.00                             |
| 9207 | 87                         | 0.00                             | 2329                       | 0.00                             |
| 9208 | 180                        | 0.00                             | 2844                       | 0.00                             |
| 9209 | 247                        | 0.00                             | 2350                       | 0.00                             |
| 9210 | 405                        | 0.00                             | 2579                       | 0.00                             |
| 9211 | 371                        | 0.00                             | 294                        | 0.00                             |
| 9212 | 427                        | 0.00                             | 319                        | 0.00                             |
| 9301 | 350                        | 0.00                             | 2608                       | 0.00                             |
| 9302 | 562                        | 0.00                             | 590                        | 0.00                             |
| 9303 | 499                        | 0.00                             | 1387                       | 0.00                             |
| 9304 | 214                        | 0.00                             | 412                        | 0.00                             |
| 9305 | 316                        | 0.00                             | 437                        | 0.00                             |
| 9306 | 329                        | 0.00                             | 361                        | 0.00                             |
| 9307 | 275                        | 0.00                             | 344                        | 0.00                             |
| 9308 | 362                        | 0.00                             | 353                        | 0.00                             |
| 9309 | 266                        | 0.00                             | 236                        | 0.00                             |
| 9310 | 372                        | 0.00                             | 209                        | 0.00                             |
| 9311 | 589                        | 0.00                             | 404                        | 0.00                             |
| 9312 | 572                        | 0.00                             | 379                        | 0.00                             |
| 9401 | 577                        | 0.00                             | 476                        | 0.00                             |
| 9402 | 522                        | 0.00                             | 501                        | 0.00                             |
| 9403 | 617                        | 0.00                             | 542                        | 0.00                             |
| 9404 | 672                        | 0.00                             | 417                        | 0.00                             |
| 9405 | 800                        | 0.00                             | 855                        | 0.00                             |
| 9406 | 814                        | 0.00                             | 956                        | 0.00                             |
| 9407 | 860                        | 0.00                             | 753                        | 0.00                             |
| 9408 | 907                        | 0.00                             | 989                        | 0.00                             |
| 9409 | 853                        | 0.00                             | 1033                       | 0.00                             |
| 9410 | 948                        | 0.00                             | 1040                       | 0.00                             |
| 9411 | 878                        | 0.00                             | 753                        | 0.00                             |
| 9412 | 1075                       | 0.00                             | 520                        | 0.00                             |
| 9501 | 1107                       | 0.00                             | 519                        | 0.00                             |
| 9502 | 1089                       | 0.00                             | 197                        | 0.00                             |
| 9503 | 1105                       | 0.00                             | 290                        | 0.00                             |
| 9504 | 1023                       | 0.00                             | 236                        | 0.00                             |
| 9505 | 1105                       | 0.00                             | 211                        | 0.00                             |
| 9506 | 1014                       | 0.00                             | 520                        | 0.00                             |
| 9507 | 1001                       | 1000.31                          | 607                        | 207.52                           |
| 9508 | 948                        | 985.44                           | 679                        | 204.09                           |
| 9509 | 1073                       | 939.49                           | 692                        | 194.25                           |
| 9510 | 1119                       | 956.38                           | 942                        | 197.41                           |
| 9511 | 1129                       | 911.78                           | 889                        | 187.89                           |
| 9512 | 1225                       | 928.18                           | 491                        | 190.95                           |
| 9601 | 1192                       | 914.39                           | 544                        | 187.80                           |
| 9602 | 1061                       | 842.69                           | 666                        | 172.78                           |
| 9603 | 1107                       | 887.43                           | 705                        | 181.65                           |

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| DATE              | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|-------------------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 9605              | 1190                       | 861.26                           | 0                          | 175.71                           |
| 9606              | 0                          | 821.09                           | 0                          | 167.23                           |
| 9607              | 0                          | 835.86                           | 0                          | 169.96                           |
| 9608              | 0                          | 823.44                           | 0                          | 167.15                           |
| 9609              | 0                          | 785.04                           | 0                          | 159.09                           |
| 9610              | 0                          | 799.16                           | 0                          | 161.68                           |
| 9611              | 0                          | 761.89                           | 0                          | 153.88                           |
| 9612              | 0                          | 775.59                           | 0                          | 156.39                           |
| 9701              | 0                          | 764.07                           | 0                          | 153.81                           |
| 9702              | 0                          | 679.88                           | 0                          | 136.63                           |
| 9703              | 0                          | 741.54                           | 0                          | 148.77                           |
| 9704              | 0                          | 706.96                           | 0                          | 141.60                           |
| 9705              | 0                          | 719.67                           | 0                          | 143.90                           |
| 9706              | 0                          | 686.11                           | 0                          | 136.96                           |
| 9707              | 0                          | 698.45                           | 0                          | 139.19                           |
| 9708              | 0                          | 688.07                           | 0                          | 136.89                           |
| 9709              | 0                          | 655.99                           | 0                          | 130.29                           |
| 9710              | 0                          | 667.78                           | 0                          | 132.41                           |
| 9711              | 0                          | 636.64                           | 0                          | 126.03                           |
| 9712              | 0                          | 648.09                           | 0                          | 128.08                           |
| 9801              | 0                          | 638.46                           | 0                          | 125.97                           |
| 9802              | 0                          | 568.11                           | 0                          | 111.90                           |
| 9803              | 0                          | 619.63                           | 0                          | 121.84                           |
| 9804              | 0                          | 590.74                           | 0                          | 115.97                           |
| 9805              | 0                          | 601.36                           | 0                          | 117.85                           |
| 9806              | 0                          | 573.32                           | 0                          | 112.17                           |
| 9807              | 0                          | 583.63                           | 0                          | 114.00                           |
| 9808              | 0                          | 574.95                           | 0                          | 112.11                           |
| 9809              | 0                          | 548.14                           | 0                          | 106.71                           |
| 9810              | 0                          | 558.00                           | 0                          | 108.44                           |
| 9811              | 0                          | 531.98                           | 0                          | 103.21                           |
| 9812              | 0                          | 541.55                           | 0                          | 104.89                           |
| 9901              | 0                          | 533.50                           | 0                          | 103.16                           |
| 9902              | 0                          | 474.71                           | 0                          | 91.64                            |
| 9903              | 0                          | 517.76                           | 0                          | 99.79                            |
| 9904              | 0                          | 493.62                           | 0                          | 94.97                            |
| 9905              | 0                          | 502.50                           | 0                          | 96.52                            |
| 9906              | 0                          | 479.06                           | 0                          | 91.87                            |
| 9907              | 0                          | 487.68                           | 0                          | 93.36                            |
| 9908              | 0                          | 480.44                           | 0                          | 91.82                            |
| 9909              | 0                          | 458.03                           | 0                          | 87.39                            |
| 9910              | 0                          | 466.27                           | 0                          | 88.82                            |
| 9911              | 0                          | 444.52                           | 0                          | 84.53                            |
| 9912              | 0                          | 452.52                           | 0                          | 85.91                            |
| 10001 → (2000/91) | 0                          | 445.79                           | 0                          | 84.49                            |
| 10002             | 0                          | 410.84                           | 0                          | 77.73                            |
| 10003             | 0                          | 432.65                           | 0                          | 81.72                            |
| 10004             | 0                          | 412.47                           | 0                          | 77.78                            |
| 10005             | 0                          | 419.89                           | 0                          | 79.05                            |

LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE  | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|-------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 10007 | 0                          | 407.51                           | 0                          | 76.46                            |
| 10008 | 0                          | 401.45                           | 0                          | 75.20                            |
| 10009 | 0                          | 382.73                           | 0                          | 71.57                            |
| 10010 | 0                          | 389.61                           | 0                          | 72.74                            |
| 10011 | 0                          | 371.45                           | 0                          | 69.23                            |
| 10012 | 0                          | 378.13                           | 0                          | 70.36                            |
| 10101 | 0                          | 372.51                           | 0                          | 69.20                            |
| 10102 | 0                          | 331.46                           | 0                          | 61.47                            |
| 10103 | 0                          | 361.52                           | 0                          | 66.93                            |
| 10104 | 0                          | 344.66                           | 0                          | 63.70                            |
| 10105 | 0                          | 350.86                           | 0                          | 64.74                            |
| 10106 | 0                          | 334.50                           | 0                          | 61.62                            |
| 10107 | 0                          | 340.51                           | 0                          | 62.62                            |
| 10108 | 0                          | 335.46                           | 0                          | 61.59                            |
| 10109 | 0                          | 319.81                           | 0                          | 58.62                            |
| 10110 | 0                          | 325.57                           | 0                          | 59.57                            |
| 10111 | 0                          | 310.38                           | 0                          | 56.70                            |
| 10112 | 0                          | 315.96                           | 0                          | 57.62                            |
| 10201 | 0                          | 311.27                           | 0                          | 56.67                            |
| 10202 | 0                          | 276.97                           | 0                          | 50.34                            |
| 10203 | 0                          | 302.09                           | 0                          | 54.82                            |
| 10204 | 0                          | 288.00                           | 0                          | 52.17                            |
| 10205 | 0                          | 293.18                           | 0                          | 53.02                            |
| 10206 | 0                          | 279.51                           | 0                          | 50.46                            |
| 10207 | 0                          | 284.54                           | 0                          | 51.29                            |
| 10208 | 0                          | 280.31                           | 0                          | 50.44                            |
| 10209 | 0                          | 267.23                           | 0                          | 48.01                            |
| 10210 | 0                          | 272.04                           | 0                          | 48.79                            |
| 10211 | 0                          | 259.36                           | 0                          | 46.44                            |
| 10212 | 0                          | 264.02                           | 0                          | 47.19                            |
| 10301 | 0                          | 260.10                           | 0                          | 46.41                            |
| 10302 | 0                          | 231.44                           | 0                          | 41.23                            |
| 10303 | 0                          | 252.43                           | 0                          | 44.89                            |
| 10304 | 0                          | 240.66                           | 0                          | 42.73                            |
| 10305 | 0                          | 244.98                           | 0                          | 43.42                            |
| 10306 | 0                          | 233.56                           | 0                          | 41.33                            |
| 10307 | 0                          | 237.76                           | 0                          | 42.00                            |
| 10308 | 0                          | 234.23                           | 0                          | 41.31                            |
| 10309 | 0                          | 223.30                           | 0                          | 39.32                            |
| 10310 | 0                          | 227.32                           | 0                          | 39.96                            |
| 10311 | 0                          | 216.72                           | 0                          | 38.03                            |
| 10312 | 0                          | 220.62                           | 0                          | 38.65                            |
| 10401 | 0                          | 217.34                           | 0                          | 38.01                            |
| 10402 | 0                          | 200.30                           | 0                          | 34.97                            |
| 10403 | 0                          | 210.93                           | 0                          | 36.77                            |
| 10404 | 0                          | 201.09                           | 0                          | 34.99                            |
| 10405 | 0                          | 204.71                           | 0                          | 35.56                            |
| 10406 | 0                          | 195.16                           | 0                          | 33.85                            |
| 10407 | 0                          | 198.67                           | 0                          | 34.40                            |

LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE  | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|-------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 10409 | 0                          | 186.59                           | 0                          | 32.20                            |
| 10410 | 0                          | 189.95                           | 0                          | 32.72                            |
| 10411 | 0                          | 181.09                           | 0                          | 31.15                            |
| 10412 | 0                          | 184.35                           | 0                          | 31.65                            |
| 10501 | 0                          | 181.61                           | 0                          | 31.13                            |
| 10502 | 0                          | 161.60                           | 0                          | 27.65                            |
| 10503 | 0                          | 176.25                           | 0                          | 30.11                            |
| 10504 | 0                          | 168.03                           | 0                          | 28.66                            |
| 10505 | 0                          | 171.06                           | 0                          | 29.13                            |
| 10506 | 0                          | 163.08                           | 0                          | 27.72                            |
| 10507 | 0                          | 166.01                           | 0                          | 28.17                            |
| 10508 | 0                          | 163.55                           | 0                          | 27.71                            |
| 10509 | 0                          | 155.92                           | 0                          | 26.37                            |
| 10510 | 0                          | 158.72                           | 0                          | 26.80                            |
| 10511 | 0                          | 151.32                           | 0                          | 25.51                            |
| 10512 | 0                          | 154.04                           | 0                          | 25.92                            |
| 10601 | 0                          | 151.75                           | 0                          | 25.50                            |
| 10602 | 0                          | 135.03                           | 0                          | 22.65                            |
| 10603 | 0                          | 147.28                           | 0                          | 24.66                            |
| 10604 | 0                          | 140.41                           | 0                          | 23.47                            |
| 10605 | 0                          | 142.94                           | 0                          | 23.85                            |
| 10606 | 0                          | 136.27                           | 0                          | 22.70                            |
| 10607 | 0                          | 138.72                           | 0                          | 23.07                            |
| 10608 | 0                          | 136.66                           | 0                          | 22.69                            |
| 10609 | 0                          | 130.29                           | 0                          | 21.60                            |
| 10610 | 0                          | 132.63                           | 0                          | 21.95                            |
| 10611 | 0                          | 126.44                           | 0                          | 20.89                            |
| 10612 | 0                          | 128.72                           | 0                          | 21.23                            |
| 10701 | 0                          | 126.81                           | 0                          | 20.88                            |
| 10702 | 0                          | 112.83                           | 0                          | 18.55                            |
| 10703 | 0                          | 123.07                           | 0                          | 20.20                            |
| 10704 | 0                          | 117.33                           | 0                          | 19.22                            |
| 10705 | 0                          | 119.44                           | 0                          | 19.54                            |
| 10706 | 0                          | 113.87                           | 0                          | 18.59                            |
| 10707 | 0                          | 115.91                           | 0                          | 18.90                            |
| 10708 | 0                          | 114.19                           | 0                          | 18.58                            |
| 10709 | 0                          | 108.87                           | 0                          | 17.69                            |
| 10710 | 0                          | 110.83                           | 0                          | 17.98                            |
| 10711 | 0                          | 105.66                           | 0                          | 17.11                            |
| 10712 | 0                          | 107.56                           | 0                          | 17.39                            |
| 10801 | 0                          | 105.96                           | 0                          | 17.10                            |
| 10802 | 0                          | 97.65                            | 0                          | 15.73                            |
| 10803 | 0                          | 102.83                           | 0                          | 16.54                            |
| 10804 | 0                          | 98.04                            | 0                          | 15.74                            |
| 10805 | 0                          | 99.80                            | 0                          | 16.00                            |
| 10806 | 0                          | 95.15                            | 0                          | 15.23                            |
| 10807 | 0                          | 96.86                            | 0                          | 15.48                            |
| 10808 | 0                          | 95.42                            | 0                          | 15.22                            |
| 10809 | 0                          | 90.97                            | 0                          | 14.49                            |

LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE  | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|-------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 10811 | 0                          | 88.29                            | 0                          | 14.01                            |
| 10812 | 0                          | 89.88                            | 0                          | 14.24                            |
| 10901 | 0                          | 88.54                            | 0                          | 14.01                            |
| 10902 | 0                          | 78.78                            | 0                          | 12.44                            |
| 10903 | 0                          | 85.93                            | 0                          | 13.55                            |
| 10904 | 0                          | 81.92                            | 0                          | 12.89                            |
| 10905 | 0                          | 83.39                            | 0                          | 13.10                            |
| 10906 | 0                          | 79.51                            | 0                          | 12.47                            |
| 10907 | 0                          | 80.94                            | 0                          | 12.67                            |
| 10908 | 0                          | 79.73                            | 0                          | 12.47                            |
| 10909 | 0                          | 76.01                            | 0                          | 11.86                            |
| 10910 | 0                          | 77.38                            | 0                          | 12.06                            |
| 10911 | 0                          | 73.77                            | 0                          | 11.48                            |
| 10912 | 0                          | 75.10                            | 0                          | 11.66                            |
| 11001 | 0                          | 73.98                            | 0                          | 11.47                            |
| 11002 | 0                          | 65.83                            | 0                          | 10.19                            |
| 11003 | 0                          | 71.80                            | 0                          | 11.09                            |
| 11004 | 0                          | 68.45                            | 0                          | 10.56                            |
| 11005 | 0                          | 69.69                            | 0                          | 10.73                            |
| 11006 | 0                          | 66.44                            | 0                          | 10.21                            |
| 11007 | 0                          | 67.63                            | 0                          | 10.38                            |
| 11008 | 0                          | 66.63                            | 0                          | 10.21                            |
| 11009 | 0                          | 63.52                            | 0                          | 9.72                             |
| 11010 | 0                          | 64.66                            | 0                          | 9.87                             |
| 11011 | 0                          | 61.65                            | 0                          | 9.40                             |
| 11012 | 0                          | 62.75                            | 0                          | 9.55                             |
| 11101 | 0                          | 61.82                            | 0                          | 9.39                             |
| 11102 | 0                          | 55.01                            | 0                          | 8.34                             |
| 11103 | 0                          | 60.00                            | 0                          | 9.09                             |
| 11104 | 0                          | 57.20                            | 0                          | 8.65                             |
| 11105 | 0                          | 58.23                            | 0                          | 8.79                             |
| 11106 | 0                          | 55.51                            | 0                          | 8.37                             |
| 11107 | 0                          | 56.51                            | 0                          | 8.50                             |
| 11108 | 0                          | 55.67                            | 0                          | 8.36                             |
| 11109 | 0                          | 53.08                            | 0                          | 7.96                             |
| 11110 | 0                          | 54.03                            | 0                          | 8.09                             |
| 11111 | 0                          | 51.51                            | 0                          | 7.70                             |
| 11112 | 0                          | 52.44                            | 0                          | 7.82                             |
| 11201 | 0                          | 51.66                            | 0                          | 7.69                             |
| 11202 | 0                          | 47.61                            | 0                          | 7.08                             |
| 11203 | 0                          | 50.13                            | 0                          | 7.44                             |
| 11204 | 0                          | 47.80                            | 0                          | 7.08                             |
| 11205 | 0                          | 48.66                            | 0                          | 7.20                             |
| 11206 | 0                          | 46.39                            | 0                          | 6.85                             |
| 11207 | 0                          | 47.22                            | 0                          | 6.96                             |
| 11208 | 0                          | 46.52                            | 0                          | 6.85                             |
| 11209 | 0                          | 44.35                            | 0                          | 6.52                             |
| 11210 | 0                          | 45.15                            | 0                          | 6.62                             |
| 11211 | 0                          | 43.04                            | 0                          | 6.30                             |

LEASE : ARROWHEAD GRAYBURG UNIT 157  
 BEATAREA : GUY PEARCE

| DATE  | Oil<br>Vol<br>Prod<br>bbls | FORECASTED<br>OIL VOLUME<br>bbls | Gas<br>Vol<br>Prod<br>Mscf | FORECASTED<br>GAS VOLUME<br>Mscf |
|-------|----------------------------|----------------------------------|----------------------------|----------------------------------|
| 11301 | 0                          | 43.17                            | 0                          | 6.30                             |
| 11302 | 0                          | 38.41                            | 0                          | 5.60                             |
| 11303 | 0                          | 41.89                            | 0                          | 6.09                             |
| 11304 | 0                          | 39.94                            | 0                          | 5.80                             |
| 11305 | 0                          | 40.66                            | 0                          | 5.90                             |
| 11306 | 0                          | 38.76                            | 0                          | 5.61                             |
| 11307 | 0                          | 39.46                            | 0                          | 5.70                             |
| 11308 | 0                          | 38.87                            | 0                          | 5.61                             |
| 11309 | 0                          | 37.06                            | 0                          | 5.34                             |
| 11310 | 0                          | 37.73                            | 0                          | 5.42                             |
| 11311 | 0                          | 35.97                            | 0                          | 5.16                             |
| 11312 | 0                          | 36.61                            | 0                          | 5.25                             |
| 11401 | 0                          | 36.07                            | 0                          | 5.16                             |
| 11402 | 0                          | 32.10                            | 0                          | 4.58                             |
| 11403 | 0                          | 35.01                            | 0                          | 4.99                             |
| 11404 | 0                          | 33.37                            | 0                          | 4.75                             |
| 11405 | 0                          | 33.97                            | 0                          | 4.83                             |
| 11406 | 0                          | 32.39                            | 0                          | 4.60                             |
| 11407 | 0                          | 32.97                            | 0                          | 4.67                             |
| 11408 | 0                          | 32.48                            | 0                          | 4.59                             |
| 11409 | 0                          | 30.97                            | 0                          | 4.37                             |
| 11410 | 0                          | 31.52                            | 0                          | 4.44                             |
| 11411 | 0                          | 30.05                            | 0                          | 4.23                             |