



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
ROSWELL FIELD OFFICE  
2909 West Second Street  
Roswell, New Mexico 88201-2019

IN REPLY REFER  
NMNM91055X  
3180 (06300)

AUG 14 2000

James Bruce  
Attorney at Law  
P. O. Box 1056  
Santa Fe, NM 87504

Gentlemen:

Your application for the second expansion of the West Lovington Strawn Unit No. NMNM91055X, Lea County, New Mexico, filed on behalf of Gillespie Oil, Inc., has been approved as of this date. Approval of the second expansion, effective as of April 1, 1999, increases the size of the unit from 1618.95 acres to 2622.12 acres.

You are requested to furnish the Commissioner of Public Lands, the New Mexico Oil Conservation Division, and other interested principals with appropriate evidence of this approval.

Sincerely,

JOHN S. SIMITZ

Larry D. Bray  
Assistant Field Manager,  
Lands and Minerals

CC:  
Commissioner of Public Lands, Santa Fe  
NMOCD, Santa Fe

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

3304 CAMINO LISA  
HYDE PARK ESTATES  
SANTA FE, NEW MEXICO 87501

(505) 982-2043  
(505) 982-2151 (FAX)

AUG 15 2000

August 14, 2000

Pete Martinez  
Oil & Gas Division  
Commissioner of Public Lands  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87501

Armando Lopez  
Bureau of Land Management  
2909 West Second Street  
Roswell, New Mexico 88201

Re: Application for approval of second expansion of unit

West Lovington Strawn Unit Area ("WLSU")  
Lea County, New Mexico

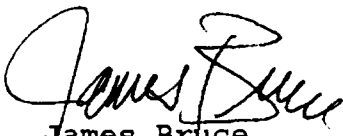
Operator: Gillespie Oil, Inc.

Gentlemen:

Enclosed are originals of the ratifications of the second expansion, together with listings of the committed working interests and royalty interests in the expanded unit.

Please call me if you have any questions.

Very truly yours,



James Bruce

Attorney for Gillespie Oil, Inc.

cc: w/encl. to:

Mark Mladenka  
Michael E. Stogner  
William F. Carr  
J. Scott Hall  
W. Thomas Kellahin  
Ken Gray

|                                     | TRACT NUMBER        | EXHIBIT "D" - EXPANSION (2ND)   |              |              |             |              |             |             |             |
|-------------------------------------|---------------------|---------------------------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|
|                                     |                     | WEST LOVINGTON STRAWN UNIT AREA |              |              |             |              |             |             |             |
|                                     |                     | LEA COUNTY, NEW MEXICO          |              |              |             |              |             |             |             |
|                                     |                     | 1                               | 2            | 3            | 4           | 5            | 6           | 7           | 8           |
|                                     | TRACT PARTICIPATION | 16.89478404%                    | 14.35957992% | 10.76310855% | 4.15135551% | 18.12128350% | 8.09144409% | 4.32398616% | 3.29313472% |
| ABO PETROLEUM CORPORATION           |                     |                                 |              |              |             |              |             |             |             |
| ADIA ENTERPRISES INC.               |                     |                                 |              |              |             | 0.67954813%  |             |             |             |
| CANNON EXPLORATION COMPANY          |                     |                                 |              |              |             |              |             |             |             |
| ESTATE OF CHARLES B. GILLESPIE, JR. |                     | 6.33554402%                     | 7.17978996%  | 5.38155428%  | 1.97189387% | 8.60760966%  | 4.04572205% | 2.05389343% | 1.56423899% |
| DAVID ARRINGTON OIL & GAS, INC.     |                     |                                 |              |              |             |              |             |             |             |
| ENERGEN RESOURCES CORPORATION       |                     | 6.33554402%                     | 7.17978996%  | 5.38155428%  | 2.07567776% | 8.60760966%  | 4.04572205% | 2.16199308% | 1.64656736% |
| HANLEY OAD, LTD. II                 |                     |                                 |              |              |             |              |             |             |             |
| HOLLYHOCK CORPORATION               |                     |                                 |              |              |             |              |             |             |             |
| JOHN A. YATES                       |                     |                                 |              |              |             |              |             |             |             |
| LARIO OIL & GAS COMPANY             |                     |                                 |              |              |             |              |             |             |             |
| LOS CHICOS                          |                     |                                 |              |              |             |              |             |             |             |
| MARKS & GARNER PRODUCTION LC        |                     |                                 |              |              |             |              |             |             |             |
| MYCO INDUSTRIES, INC.               |                     |                                 |              |              |             |              |             |             |             |
| PEYTON YATES                        |                     |                                 |              |              |             |              |             |             |             |
| PATHFINDER EXPLORATION COMPANY      |                     |                                 |              |              |             |              |             |             |             |
| PHILLIPS PETROLEUM COMPANY          |                     | 4.22369601%                     |              |              |             |              |             |             |             |
| PHILWELL, INC.                      |                     |                                 |              |              |             |              |             |             |             |
| RAMCO OPERATING COMPANY             |                     |                                 |              |              |             |              |             |             |             |
| RB OPERATING COMPANY                |                     |                                 |              |              |             |              |             |             |             |
| RICHARD YATES                       |                     |                                 |              |              |             |              |             |             |             |
| RIO PECOS CORPORATION               |                     |                                 |              |              |             |              |             |             |             |
| ROBERT D. SNOW LIVING TRUST         |                     |                                 |              |              |             |              |             |             |             |
| ROGER T. & HOLLY L. ELLIOTT         |                     |                                 |              |              |             |              |             |             |             |
| SACRAMENTO PARTNERS, L.P.           |                     |                                 |              |              |             |              |             |             |             |
| SNYDER RANCHES, INC.                |                     |                                 |              |              |             |              |             |             |             |
| TARA-JON CORPORATION                |                     |                                 |              |              |             |              |             |             |             |
| VIERSSEN & COCHRAN                  |                     |                                 |              |              |             |              |             |             |             |
| VIERSSEN OIL & GAS COMPANY          |                     |                                 |              |              |             |              |             |             |             |
| VISA INDUSTRIES OF ARIZONA          |                     |                                 |              |              |             |              |             |             |             |
| WILLIAM R. CROW                     |                     |                                 |              |              | 0.10378389% |              |             | 0.10809965% | 0.08232837% |
| WOOD OIL COMPANY                    |                     |                                 |              |              |             |              |             |             |             |
| YATES DRILLING COMPANY              |                     |                                 |              |              |             |              |             |             |             |
| YATES PETROLEUM CORPORATION         |                     |                                 |              |              |             |              |             |             |             |
| GERALDINE ANDERSON HILL             |                     |                                 |              |              |             | 0.11325802%  |             |             |             |
| LEONARDO S. ANDERSON, JR.           |                     |                                 |              |              |             | 0.11325802%  |             |             |             |
| TOTALS                              |                     | 16.89478404%                    | 14.35957992% | 10.76310855% | 4.15135551% | 18.12128350% | 8.09144409% | 4.32398616% | 3.29313472% |





| TRACT NUMBER                        | 20B         | 21A         | 21B         | 21C         | 22          | 23          | 24          |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| TRACT PARTICIPATION                 | 0.23960932% | 0.04141701% | 0.02072538% | 0.02069163% | 0.24184715% | 0.00244717% | 0.33325506% |
| ABO PETROLEUM CORPORATION           |             |             |             |             |             |             |             |
| ADIA ENTERPRISES INC.               |             |             |             |             |             |             |             |
| CANNON EXPLORATION COMPANY          |             |             |             |             |             |             |             |
| ESTATE OF CHARLES B. GILLESPIE, JR. | 0.23960932% |             |             |             | 0.24184715% | 0.00244717% | 0.07716937% |
| DAVID ARRINGTON OIL & GAS, INC.     |             | 0.00258856% | 0.01208974% |             |             |             | 0.08123092% |
| ENERGEN RESOURCES CORPORATION       |             | 0.03882845% | 0.00863564% | 0.02069163% |             |             |             |
| HANLEY OAD, LTD. II                 |             |             |             |             |             |             |             |
| HOLLYHOCK CORPORATION               |             |             |             |             |             |             |             |
| JOHN A. YATES                       |             |             |             |             |             |             | 0.01666275% |
| LARIO OIL & GAS COMPANY             |             |             |             |             |             |             |             |
| LOS CHICOS                          |             |             |             |             |             |             | 0.00833138% |
| MARKS & GARNER PRODUCTION LC        |             |             |             |             |             |             |             |
| MYCO INDUSTRIES, INC.               |             |             |             |             |             |             | 0.02499413% |
| PEYTON YATES                        |             |             |             |             |             |             | 0.00166628% |
| PATHFINDER EXPLORATION COMPANY      |             |             |             |             |             |             |             |
| PHILLIPS PETROLEUM COMPANY          |             |             |             |             |             |             |             |
| PHILWELL, INC.                      |             |             |             |             |             |             | 0.00463433% |
| RAMCO OPERATING COMPANY             |             |             |             |             |             |             | 0.01556822% |
| RB OPERATING COMPANY                |             |             |             |             |             |             | 0.00015726% |
| RICHARD YATES                       |             |             |             |             |             |             | 0.00166628% |
| RIO PECOS CORPORATION               |             |             |             |             |             |             |             |
| ROBERT D. SNOW LIVING TRUST         |             |             |             |             |             |             | 0.00463433% |
| ROGER T. & HOLLY L. ELLIOTT         |             |             |             |             |             |             | 0.01083079% |
| SACRAMENTO PARTNERS, L.P.           |             |             |             |             |             |             |             |
| SNYDER RANCHES, INC.                |             |             |             |             |             |             |             |
| TARA-JON CORPORATION                |             |             |             |             |             |             |             |
| VIERSSEN & COCHRAN                  |             |             |             |             |             |             |             |
| VIERSSEN OIL & GAS COMPANY          |             |             |             |             |             |             |             |
| VISA INDUSTRIES OF ARIZONA          |             |             |             |             |             |             |             |
| WILLIAM R. CROW                     |             |             |             |             |             |             | 0.00406155% |
| WOOD OIL COMPANY                    |             |             |             |             |             |             | 0.02082844% |
| YATES DRILLING COMPANY              |             |             |             |             |             |             | 0.01083079% |
| YATES PETROLEUM CORPORATION         |             |             |             |             |             |             | 0.04998826% |
| GERALDINE ANDERSON HILL             |             |             |             |             |             |             |             |
| LEONARDO S. ANDERSON, JR.           |             |             |             |             |             |             |             |
| TOTALS                              | 0.23960932% | 0.04141701% | 0.02072538% | 0.02069163% | 0.24184715% | 0.00244717% | 0.33325506% |





| ROYALTY COMMITMENT                                 |                                     |              |              |               |              |              |
|--|-------------------------------------|--------------|--------------|---------------|--------------|--------------|
| WEST LOVINGTON STRAWN UNIT AREA, AS EXPANDED (2ND) |                                     |              |              |               |              |              |
| LEA COUNTY, NEW MEXICO                             |                                     |              |              |               |              |              |
| TR. #  | ROYALTY OWNER                       | ROYALTY      | TOT. TR ROY  | ROY %         | TR. PART.    | TR %         |
| INTEREST BY TRACT                                  |                                     |              |              |               |              |              |
| 1/ROY  | United States                       | 12.50000000% | 17.50000000% | 71.42857143%  | 16.89478404% | 12.06770289% |
| 1/ORRI   | Estate of Charles B. Gillespie, Jr. | 2.00000000%  | 17.50000000% | 11.42857143%  | 16.89478404% | 1.93083246%  |
| 1/ORRI   | Xeric Oil & Gas Corp.               | 1.64062500%  | 17.50000000% | 9.37500000%   | 16.89478404% | 1.58388600%  |
| 1/ORRI   | William R. Crow                     | 0.57812500%  | 17.50000000% | 3.30357143%   | 16.89478404% | 0.55813126%  |
| 1/ORRI   | GPC Oil & Gas Corp                  | 0.54687500%  | 17.50000000% | 3.12500000%   | 16.89478404% | 0.52796200%  |
| 1/ORRI   | Donald R. Curry                     | 0.15625000%  | 17.50000000% | 0.89285714%   | 16.89478404% | 0.15084629%  |
| 1/ORRI   | Kevin & Patricia Widner             | 0.07812500%  | 17.50000000% | 0.44642857%   | 16.89478404% | 0.07542314%  |
|  | Total                               | 17.50000000% |              | 100.00000000% |              | 16.89478404% |
| 2/ROY  | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%  | 14.35957992% | 9.98927299%  |
| 2/ORRI   | Estate of Ernestine W. Gillespie    | 5.46875000%  | 17.96875000% | 30.43478261%  | 14.35957992% | 4.37030693%  |
|  | Total                               | 17.96875000% |              | 100.00000000% |              | 14.35957992% |
| 3/ROY  | State of New Mexico                 | 12.50000000% | 12.50000000% | 100.00000000% | 10.76310855% | 10.76310855% |
|  | Total                               | 12.50000000% |              | 100.00000000% |              | 10.76310855% |
| 4/ROY  | State of New Mexico                 | 16.66670000% | 16.66670000% | 100.00000000% | 4.15135551%  | 4.15135551%  |
|  | Total                               | 16.66670000% |              | 100.00000000% |              | 4.15135551%  |
| 5/ROY  | June Danglade Speight               | 10.93750000% | 20.89145208% | 52.35394820%  | 18.12128350% | 9.48720738%  |
| 5/ROY  | Dorothy Lee Lusk                    | 1.54536057%  | 20.89145208% | 7.39709508%   | 18.12128350% | 1.34044857%  |
| 5/ROY  | Marjorie C. Smart Rev. Trust        | 1.04168750%  | 20.89145208% | 4.98619003%   | 18.12128350% | 0.90356163%  |
| 5/ROY  | Clarence V. Shelfer                 | 0.54946149%  | 20.89145208% | 2.63007802%   | 18.12128350% | 0.47660389%  |
| 5/ROY  | Annie Laura Sturdivant              | 0.91576915%  | 20.89145208% | 4.38346337%   | 18.12128350% | 0.79433982%  |
| 5/ROY  | Teddie Darrel Shelfer               | 0.54946149%  | 20.89145208% | 2.63007802%   | 18.12128350% | 0.47660389%  |
| 5/ROY  | Barton Revocable Trust              | 0.78125000%  | 20.89145208% | 3.73956773%   | 18.12128350% | 0.67765767%  |
| 5/ROY  | Richard H. Power                    | 0.45788466%  | 20.89145208% | 2.19173208%   | 18.12128350% | 0.39716998%  |
| 5/ROY  | Jean Benson                         | 0.45788466%  | 20.89145208% | 2.19173208%   | 18.12128350% | 0.39716998%  |
| 5/ROY  | Betty Louise Pieper                 | 0.39062494%  | 20.89145208% | 1.86978357%   | 18.12128350% | 0.33882878%  |
| 5/ROY  | Robert L. Brown                     | 0.39062494%  | 20.89145208% | 1.86978357%   | 18.12128350% | 0.33882878%  |
| 5/ROY  | Douglas Shelfer                     | 0.27473083%  | 20.89145208% | 1.31503941%   | 18.12128350% | 0.23830202%  |
| 5/ROY  | James Darrell Shelfer               | 0.27473083%  | 20.89145208% | 1.31503941%   | 18.12128350% | 0.23830202%  |
| 5/ROY  | Jane Bowers Stoneman                | 0.23437500%  | 20.89145208% | 1.12187032%   | 18.12128350% | 0.20329730%  |
| 5/ROY  | Rickie Don Thompson                 | 0.18315383%  | 20.89145208% | 0.87669267%   | 18.12128350% | 0.15886796%  |
| 5/ROY  | Penelope Louise Holcomb             | 0.19531256%  | 20.89145208% | 0.93489223%   | 18.12128350% | 0.16941447%  |
| 5/ROY  | Monty D. McLane                     | 0.11574315%  | 20.89145208% | 0.55402156%   | 18.12128350% | 0.10039582%  |
| 5/ROY  | Laverne W. Colby                    | 0.07812506%  | 20.89145208% | 0.37395707%   | 18.12128350% | 0.06776582%  |
| 5/ROY  | Lester F. Colby                     | 0.07812506%  | 20.89145208% | 0.37395707%   | 18.12128350% | 0.06776582%  |
| 5/ROY  | Dorothy C. Feltz                    | 0.07812506%  | 20.89145208% | 0.37395707%   | 18.12128350% | 0.06776582%  |
| 5/ROY  | Mary Ann Haug                       | 0.06944572%  | 20.89145208% | 0.33241214%   | 18.12128350% | 0.06023735%  |
| 5/ROY  | Patrick J. Cesarano Rev. Tr.        | 0.05902901%  | 20.89145208% | 0.28255103%   | 18.12128350% | 0.05120187%  |
| 5/ROY  | States Inc.                         | 0.05787149%  | 20.89145208% | 0.27701038%   | 18.12128350% | 0.05019784%  |
| 5/ROY  | Francis J. Moynihan, Jr.            | 0.03906244%  | 20.89145208% | 0.18697809%   | 18.12128350% | 0.03388283%  |
| 5/ROY  | Berkeley N. Moynihan                | 0.03906244%  | 20.89145208% | 0.18697809%   | 18.12128350% | 0.03388283%  |
| 5/ROY  | Barbara M. Gallagher                | 0.03906244%  | 20.89145208% | 0.18697809%   | 18.12128350% | 0.03388283%  |
| 5/ROY  | Suzanne M. Chambers                 | 0.02314863%  | 20.89145208% | 0.11080431%   | 18.12128350% | 0.02007916%  |
| 5/ROY  | Katherine McDonald Wenig            | 0.02314863%  | 20.89145208% | 0.11080431%   | 18.12128350% | 0.02007916%  |
| 5/ROY  | Anita M. McDonald                   | 0.02314863%  | 20.89145208% | 0.11080431%   | 18.12128350% | 0.02007916%  |
| 5/ROY  | Rost Energy Company                 | 0.01041688%  | 20.89145208% | 0.04986190%   | 18.12128350% | 0.00903562%  |

|        |                                     |              |              |               |              |              |
|--------|-------------------------------------|--------------|--------------|---------------|--------------|--------------|
| 5/ROY  | Henry W. Lawton                     | 0.12500000%  | 20.89145208% | 0.59833084%   | 18.12128350% | 0.10842523%  |
| 5/ROY  | Joan Sermak                         | 0.12500000%  | 20.89145208% | 0.59833084%   | 18.12128350% | 0.10842523%  |
| 5/ROY  | Nancy O'Connor                      | 0.12500000%  | 20.89145208% | 0.59833084%   | 18.12128350% | 0.10842523%  |
| 5/ROY  | Lewis E. McLaughlin                 | 0.06250000%  | 20.89145208% | 0.29916542%   | 18.12128350% | 0.05421261%  |
| 5/ROY  | Lois M. McLaughlin                  | 0.06250000%  | 20.89145208% | 0.29916542%   | 18.12128350% | 0.05421261%  |
| 5/ROY  | Michael Stadwick                    | 0.03348200%  | 20.89145208% | 0.16026650%   | 18.12128350% | 0.02904235%  |
| 5/ROY  | Cherie Weichel                      | 0.03348200%  | 20.89145208% | 0.16026650%   | 18.12128350% | 0.02904235%  |
| 5/ROY  | Lois H. Stadwick                    | 0.07812500%  | 20.89145208% | 0.37395677%   | 18.12128350% | 0.06776577%  |
| 5/ROY  | Robert Stadwick                     | 0.03348200%  | 20.89145208% | 0.16026650%   | 18.12128350% | 0.02904235%  |
| 5/ROY  | Todd Stadwick                       | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256%  |
| 5/ROY  | Harvard Stadwick, Jr.               | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256%  |
| 5/ROY  | John Stadwick                       | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256%  |
| 5/ROY  | Keith Stadwick                      | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256%  |
| 5/ROY  | Geraldine Anderson Hill             | 0.07812500%  | 20.89145208% | 0.37395677%   | 18.12128350% | 0.06776577%  |
| 5/ROY  | Leonardo S. Anderson, Jr.           | 0.07812500%  | 20.89145208% | 0.37395677%   | 18.12128350% | 0.06776577%  |
| 5/ORRI | Lawrence J. Seright                 | 0.00937500%  | 20.89145208% | 0.04487481%   | 18.12128350% | 0.00813189%  |
|        | Total                               | 20.89145208% |              | 100.00000000% |              | 18.12128350% |
| 6/ROY  | Snyder Ranches, Inc.                | 20.00000000% | 20.00000000% | 100.00000000% | 8.09144409%  | 8.09144409%  |
|        | Total                               | 20.00000000% |              | 100.00000000% |              | 8.09144409%  |
| 7/ROY  | Jay Root Royalty Trust Agree.       | 18.75000000% | 18.75000000% | 100.00000000% | 4.32398616%  | 4.32398616%  |
|        | Total                               | 18.75000000% |              | 100.00000000% |              | 4.32398616%  |
| 8/ROY  | Chad L. & Norma B. Wiley            | 9.37500000%  | 18.75000000% | 50.00000000%  | 3.29313472%  | 1.64656736%  |
| 8/ROY  | Mary Katherine Garrett Noble        | 4.68750000%  | 18.75000000% | 25.00000000%  | 3.29313472%  | 0.82328368%  |
| 8/ROY  | Billie Garrett Lytle                | 4.68750000%  | 18.75000000% | 25.00000000%  | 3.29313472%  | 0.82328368%  |
|        | Total                               | 18.75000000% |              | 100.00000000% |              | 3.29313472%  |
| 9/ROY  | Joseph E. & Twila Goodding          | 9.37500000%  | 12.50000000% | 75.00000000%  | 2.29023302%  | 1.71767477%  |
| 9/ROY  | Thomas W. Pettit                    | 3.12500000%  | 12.50000000% | 25.00000000%  | 2.29023302%  | 0.57255826%  |
|        | Total                               | 12.50000000% |              | 100.00000000% |              | 2.29023302%  |
| 10/ROY | Barton Revocable Trust              | 10.00000000% | 20.77156780% | 48.14273095%  | 1.50270850%  | 0.72344491%  |
| 10/ROY | Faye L. Lipsett Kline               | 4.16675000%  | 20.77156780% | 20.05987242%  | 1.50270850%  | 0.30144141%  |
| 10/ROY | Grace Starmer                       | 0.93750000%  | 20.77156780% | 4.51338103%   | 1.50270850%  | 0.06782296%  |
| 10/ROY | Mary Ann Haug                       | 0.78125006%  | 20.77156780% | 3.76115116%   | 1.50270850%  | 0.05651914%  |
| 10/ROY | The Grooms Trust                    | 0.70312500%  | 20.77156780% | 3.38503577%   | 1.50270850%  | 0.05086722%  |
| 10/ROY | Estate of Charles B. Gillespie, Jr. | 0.41442863%  | 20.77156780% | 1.99517258%   | 1.50270850%  | 0.02998163%  |
| 10/ROY | Vance Lee Mason                     | 0.46875000%  | 20.77156780% | 2.25669051%   | 1.50270850%  | 0.03391148%  |
| 10/ROY | M. Fredrickson & Norah Baker        | 0.62500000%  | 20.77156780% | 3.00892068%   | 1.50270850%  | 0.04521531%  |
| 10/ROY | Energen Resources Corp              | 0.25634763%  | 20.77156780% | 1.23412747%   | 1.50270850%  | 0.01854534%  |
| 10/ROY | Dorothy Fuller Lundeen              | 0.34179675%  | 20.77156780% | 1.64550290%   | 1.50270850%  | 0.02472711%  |
| 10/ROY | Russell & Ann Pang                  | 0.29296875%  | 20.77156780% | 1.41043157%   | 1.50270850%  | 0.02119468%  |
| 10/ROY | Anita McDonald                      | 0.26041669%  | 20.77156780% | 1.25371705%   | 1.50270850%  | 0.01883971%  |
| 10/ROY | Katherine McDonald Wenig            | 0.26041669%  | 20.77156780% | 1.25371705%   | 1.50270850%  | 0.01883971%  |
| 10/ROY | Suzanne M. Chambers                 | 0.26041669%  | 20.77156780% | 1.25371705%   | 1.50270850%  | 0.01883971%  |
| 10/ROY | Heidi C. Barton                     | 0.30381950%  | 20.77156780% | 1.46267004%   | 1.50270850%  | 0.02197967%  |
| 10/ROY | Brett C. Barton                     | 0.30381950%  | 20.77156780% | 1.46267004%   | 1.50270850%  | 0.02197967%  |
| 10/ROY | Roy G. Barton, III                  | 0.30381950%  | 20.77156780% | 1.46267004%   | 1.50270850%  | 0.02197967%  |
| 10/ROY | Rost Energy Company                 | 0.07812506%  | 20.77156780% | 0.37611539%   | 1.50270850%  | 0.00565192%  |
| 10/ROY | William R. Crow                     | 0.01281738%  | 20.77156780% | 0.06170634%   | 1.50270850%  | 0.00092727%  |
|        | Total                               | 20.77156781% |              | 100.00000000% |              | 1.50270850%  |
| 11/ROY | Barton Revocable Trust              | 6.25000000%  | 20.57300000% | 30.37962378%  | 1.28897533%  | 0.39158586%  |
| 11/ROY | Faye L. Lipsett Kline               | 4.16675000%  | 20.57300000% | 20.25348758%  | 1.28897533%  | 0.26106246%  |
| 11/ROY | Roy B. Barton, Jr.                  | 3.12500000%  | 20.57300000% | 15.18981189%  | 1.28897533%  | 0.19579293%  |
| 11/ROY | Norma J. Chanley                    | 3.12500000%  | 20.57300000% | 15.18981189%  | 1.28897533%  | 0.19579293%  |
| 11/ROY | Joan L. Yarnell Rine                | 1.56250000%  | 20.57300000% | 7.59490594%   | 1.28897533%  | 0.09789646%  |

|          |                                  |              |              |               |             |             |
|----------|----------------------------------|--------------|--------------|---------------|-------------|-------------|
| 11/ROY   | William Robert Yarnell           | 2.34375000%  | 20.57300000% | 11.39235892%  | 1.28897533% | 0.14684470% |
|          | Total                            | 20.57300000% |              | 100.00000000% |             | 1.28897533% |
| 12/ROY   | State of New Mexico              | 12.50000000% | 12.50000000% | 100.00000000% | 1.69116346% | 1.69116346% |
|          | Total                            | 12.50000000% |              | 100.00000000% |             | 1.69116346% |
| 13/ROY   | State of New Mexico              | 20.00000000% | 21.50321400% | 93.00935200%  | 2.86821633% | 2.66770942% |
| 13/ORRI  | Titan Resources, L.P.            | 0.83794600%  | 21.50321400% | 3.89684072%   | 2.86821633% | 0.11176982% |
| 13/ORRI  | Lawrence J. Seright              | 0.50276800%  | 21.50321400% | 2.33810629%   | 2.86821633% | 0.06706195% |
| 13/ORRI  | Wylie G. Basham                  | 0.05000000%  | 21.50321400% | 0.23252338%   | 2.86821633% | 0.00666927% |
| 13/ORRI  | Stanley H. Fox                   | 0.05000000%  | 21.50321400% | 0.23252338%   | 2.86821633% | 0.00666927% |
| 13/ORRI  | Marvin E. Kraft                  | 0.05000000%  | 21.50321400% | 0.23252338%   | 2.86821633% | 0.00666927% |
| 13/ORRI  | Charles T. Slack                 | 0.01250000%  | 21.50321400% | 0.05813084%   | 2.86821633% | 0.00166732% |
|          | Total                            | 21.50321400% |              | 100.00000000% |             | 2.86821633% |
| 14/ROY   | Marilyn Maxwell Chandler Tr.     | 18.75000000% | 19.50000000% | 96.15384615%  | 1.65551240% | 1.59183885% |
| 14/ORRI  | James W. Rogers                  | 0.50000000%  | 19.50000000% | 2.56410256%   | 1.65551240% | 0.04244904% |
| 14/ORRI  | Brett K. Bracken                 | 0.25000000%  | 19.50000000% | 1.28205128%   | 1.65551240% | 0.02122452% |
|          | Total                            | 19.50000000% |              | 100.00000000% |             | 1.65551240% |
| 15/ROY   | State of New Mexico              | 12.50000000% | 13.25000000% | 94.33962264%  | 1.59713840% | 1.50673434% |
| 15/ORRI  | James W. Rogers                  | 0.50000000%  | 13.25000000% | 3.77358491%   | 1.59713840% | 0.06026937% |
| 15/ORRI  | Brett K. Bracken                 | 0.25000000%  | 13.25000000% | 1.88679245%   | 1.59713840% | 0.03013469% |
|          | Total                            | 13.25000000% |              | 100.00000000% |             | 1.59713840% |
| 16A/ROY  | Snyder Ranches, Inc.             | 18.75000000% | 23.82812000% | 78.68854110%  | 1.37434967% | 1.08145570% |
| 16A/ORRI | Estate of Ernestine W. Gillespie | 5.07812000%  | 23.82812000% | 21.31145890%  | 1.37434967% | 0.29289397% |
|          | Total                            | 23.82812000% |              | 100.00000000% |             | 1.37434967% |
| 16B/ROY  | Snyder Ranches, Inc.             | 15.62500000% | 20.89843750% | 74.76635514%  | 0.12544864% | 0.09379338% |
| 16B/ORRI | Estate of Ernestine W. Gillespie | 5.27343750%  | 20.89843750% | 25.23364486%  | 0.12544864% | 0.03165526% |
|          | Total                            | 20.89843750% |              | 100.00000000% |             | 0.12544864% |
| 17/ROY   | Snyder Ranches, Inc.             | 15.62500000% | 20.89843750% | 74.76635514%  | 2.63287715% | 1.96850628% |
| 17/ORRI  | Estate of Ernestine W. Gillespie | 5.27343750%  | 20.89843750% | 25.23364486%  | 2.63287715% | 0.66437087% |
|          | Total                            | 20.89843750% |              | 100.00000000% |             | 2.63287715% |
| 18A/ROY  | Julia Culp                       | 5.85937500%  | 24.83447300% | 23.59371588%  | 0.14670687% | 0.03461360% |
| 18A/ROY  | Energen Resources Corp           | 3.51562500%  | 24.83447300% | 14.15622953%  | 0.14670687% | 0.02076816% |
| 18A/ROY  | June Speight                     | 3.12500000%  | 24.83447300% | 12.58331514%  | 0.14670687% | 0.01846059% |
| 18A/ROY  | J. L. Reed, Estate               | 1.17187500%  | 24.83447300% | 4.71874318%   | 0.14670687% | 0.00692272% |
| 18A/ROY  | Zena Ruth Pearce                 | 1.17187500%  | 24.83447300% | 4.71874318%   | 0.14670687% | 0.00692272% |
| 18A/ROY  | Leora Culp Lee                   | 1.17187500%  | 24.83447300% | 4.71874318%   | 0.14670687% | 0.00692272% |
| 18A/ROY  | Nelson James/Wailes Gray eux     | 1.17187500%  | 24.83447300% | 4.71874318%   | 0.14670687% | 0.00692272% |
| 18A/ROY  | Bradford A. Christmas            | 0.76171875%  | 24.83447300% | 3.06718306%   | 0.14670687% | 0.00449977% |
| 18A/ROY  | Bill & Betty Lou Mathis          | 0.51269531%  | 24.83447300% | 2.06445014%   | 0.14670687% | 0.00302869% |
| 18A/ROY  | Joyce Ann Brown                  | 0.41015625%  | 24.83447300% | 1.65156011%   | 0.14670687% | 0.00242295% |
| 18A/ROY  | Sandra Lee Ponder                | 0.32958994%  | 24.83447300% | 1.32714690%   | 0.14670687% | 0.00194702% |
| 18A/ROY  | William G. Ponder                | 0.32958975%  | 24.83447300% | 1.32714614%   | 0.14670687% | 0.00194701% |
| 18A/ORRI | Geo. & Pat Zimmerman             | 3.00000000%  | 24.83447300% | 12.07998253%  | 0.14670687% | 0.01772216% |
| 18A/ORRI | Ernest L. Marks                  | 0.40002400%  | 24.83447300% | 1.61076098%   | 0.14670687% | 0.00236310% |
| 18A/ORRI | James H. Garner                  | 0.40002400%  | 24.83447300% | 1.61076098%   | 0.14670687% | 0.00236310% |
| 18A/ORRI | BTA Oil Producers                | 0.32812500%  | 24.83447300% | 1.32124809%   | 0.14670687% | 0.00193836% |
| 18A/ORRI | Rio Pecos Corporation            | 0.16001000%  | 24.83447300% | 0.64430600%   | 0.14670687% | 0.00094524% |
| 18A/ORRI | Pathfinder Exploration Co.       | 0.16001000%  | 24.83447300% | 0.64430600%   | 0.14670687% | 0.00094524% |
| 18A/ORRI | Cannon Exploration Co.           | 0.16001000%  | 24.83447300% | 0.64430600%   | 0.14670687% | 0.00094524% |
| 18A/ORRI | Hollyhock Corporation            | 0.16001000%  | 24.83447300% | 0.64430600%   | 0.14670687% | 0.00094524% |
| 18A/ORRI | Tara-jon Corporation             | 0.16001000%  | 24.83447300% | 0.64430600%   | 0.14670687% | 0.00094524% |

|          |                                     |              |              |               |             |             |
|----------|-------------------------------------|--------------|--------------|---------------|-------------|-------------|
| 18A/ORRI | Bill & Betty Lou Mathis             | 0.12500000%  | 24.83447300% | 0.50333261%   | 0.14670687% | 0.00073842% |
| 18A/ORRI | Olser C. Hutson                     | 0.12500000%  | 24.83447300% | 0.50333261%   | 0.14670687% | 0.00073842% |
| 18A/ORRI | Richard F. Spencer                  | 0.12500000%  | 24.83447300% | 0.50333261%   | 0.14670687% | 0.00073842% |
|          | Total                               | 24.83447300% |              | 100.00000000% |             | 0.14670687% |
| 18B/ROY  | Julia Culp                          | 5.85937500%  | 24.83447300% | 23.59371588%  | 1.33867162% | 0.31584238% |
| 18B/ROY  | Energen Resources Corp              | 3.51562500%  | 24.83447300% | 14.15622953%  | 1.33867162% | 0.18950543% |
| 18B/ROY  | June D. Speight                     | 3.12500000%  | 24.83447300% | 12.58331514%  | 1.33867162% | 0.16844927% |
| 18B/ROY  | J. L. Reed, Estate                  | 1.17187500%  | 24.83447300% | 4.71874318%   | 1.33867162% | 0.06316848% |
| 18B/ROY  | Zena Ruth Pearce                    | 1.17187500%  | 24.83447300% | 4.71874318%   | 1.33867162% | 0.06316848% |
| 18B/ROY  | Leora Culp Lee                      | 1.17187500%  | 24.83447300% | 4.71874318%   | 1.33867162% | 0.06316848% |
| 18B/ROY  | Nelson James/Wailes Gray eux        | 1.17187500%  | 24.83447300% | 4.71874318%   | 1.33867162% | 0.06316848% |
| 18B/ROY  | Bradford A. Christmas               | 0.76171875%  | 24.83447300% | 3.06718306%   | 1.33867162% | 0.04105951% |
| 18B/ROY  | Bill & Betty Lou Mathis             | 0.51269531%  | 24.83447300% | 2.06445014%   | 1.33867162% | 0.02763621% |
| 18B/ROY  | Joyce Ann Brown                     | 0.41015625%  | 24.83447300% | 1.65156011%   | 1.33867162% | 0.02210897% |
| 18B/ROY  | Sandra Lee Ponder                   | 0.32958994%  | 24.83447300% | 1.32714690%   | 1.33867162% | 0.01776614% |
| 18B/ROY  | William G. Ponder                   | 0.32958975%  | 24.83447300% | 1.32714614%   | 1.33867162% | 0.01776613% |
| 18B/ORRI | Geo. & Pat Zimmerman                | 3.00000000%  | 24.83447300% | 12.07998253%  | 1.33867162% | 0.16171130% |
| 18B/ORRI | Ernest L. Marks                     | 0.40002400%  | 24.83447300% | 1.61076098%   | 1.33867162% | 0.02156280% |
| 18B/ORRI | James H. Garner                     | 0.40002400%  | 24.83447300% | 1.61076098%   | 1.33867162% | 0.02156280% |
| 18B/ORRI | BTA Oil Producers                   | 0.32812500%  | 24.83447300% | 1.32124809%   | 1.33867162% | 0.01768717% |
| 18B/ORRI | Rio Pecos Corporation               | 0.16001000%  | 24.83447300% | 0.64430600%   | 1.33867162% | 0.00862514% |
| 18B/ORRI | Pathfinder Exploration Co.          | 0.16001000%  | 24.83447300% | 0.64430600%   | 1.33867162% | 0.00862514% |
| 18B/ORRI | Cannon Exploration Co.              | 0.16001000%  | 24.83447300% | 0.64430600%   | 1.33867162% | 0.00862514% |
| 18B/ORRI | Hollyhock Corporation               | 0.16001000%  | 24.83447300% | 0.64430600%   | 1.33867162% | 0.00862514% |
| 18B/ORRI | Tara-jon Corporation                | 0.16001000%  | 24.83447300% | 0.64430600%   | 1.33867162% | 0.00862514% |
| 18B/ORRI | Bill & Betty Lou Mathis             | 0.12500000%  | 24.83447300% | 0.50333261%   | 1.33867162% | 0.00673797% |
| 18B/ORRI | Olser C. Hutson                     | 0.12500000%  | 24.83447300% | 0.50333261%   | 1.33867162% | 0.00673797% |
| 18B/ORRI | Richard F. Spencer                  | 0.12500000%  | 24.83447300% | 0.50333261%   | 1.33867162% | 0.00673797% |
|          | Total                               | 24.83447300% |              | 100.00000000% |             | 1.33867162% |
| 19/ROY   | State of New Mexico                 | 12.50000000% | 18.62500000% | 67.11409396%  | 0.33584307% | 0.22539803% |
| 19/ORRI  | Estate of Ernestine W. Gillespie    | 5.46875000%  | 18.62500000% | 29.36241611%  | 0.33584307% | 0.09861164% |
| 19/ORRI  | Estate of Charles B. Gillespie, Jr. | 0.65625000%  | 18.62500000% | 3.52348993%   | 0.33584307% | 0.01183340% |
|          | Total                               | 18.62500000% |              | 100.00000000% |             | 0.33584307% |
| 20A/ROY  | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%  | 0.18075790% | 0.12574463% |
| 20A/ORRI | Estate of Ernestine W. Gillespie    | 5.46875000%  | 17.96875000% | 30.43478261%  | 0.18075790% | 0.05501327% |
|          | Total                               | 17.96875000% |              | 100.00000000% |             | 0.18075790% |
| 20B/ROY  | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%  | 0.23960932% | 0.16668474% |
| 20B/ORRI | Estate of Ernestine W. Gillespie    | 5.46875000%  | 17.96875000% | 30.43478261%  | 0.23960932% | 0.07292458% |
|          | Total                               | 17.96875000% |              | 100.00000000% |             | 0.23960932% |
| 21A/ROY  | Michael Mark Estlack                | 15.46875000% | 19.21875000% | 80.48780488%  | 0.04141701% | 0.03333564% |
| 21A/ROY  | Vera Dickson                        | 0.31250000%  | 19.21875000% | 1.62601626%   | 0.04141701% | 0.00067345% |
| 21A/ROY  | David A. Hughes                     | 0.31250000%  | 19.21875000% | 1.62601626%   | 0.04141701% | 0.00067345% |
| 21A/ROY  | L. Ruth Pritchard                   | 0.23437500%  | 19.21875000% | 1.21951220%   | 0.04141701% | 0.00050509% |
| 21A/ROY  | Paul E. Powell AIF                  | 0.23437500%  | 19.21875000% | 1.21951220%   | 0.04141701% | 0.00050509% |
| 21A/ROY  | David L. Estlack AIF                | 0.23437500%  | 19.21875000% | 1.21951220%   | 0.04141701% | 0.00050509% |
| 21A/ROY  | Lee Brixey Eastlake                 | 0.23437500%  | 19.21875000% | 1.21951220%   | 0.04141701% | 0.00050509% |
| 21A/ROY  | Ruby Dell Estlack                   | 0.15625000%  | 19.21875000% | 0.81300813%   | 0.04141701% | 0.00033672% |
| 21A/ROY  | Donna Estlack Hicks                 | 0.11718750%  | 19.21875000% | 0.60975610%   | 0.04141701% | 0.00025254% |
| 21A/ROY  | Allen H. Estlack                    | 0.11718750%  | 19.21875000% | 0.60975610%   | 0.04141701% | 0.00025254% |
| 21A/ROY  | Thomas W. Boyd                      | 0.09765638%  | 19.21875000% | 0.50813073%   | 0.04141701% | 0.00021045% |
| 21A/ROY  | Charles W. Boyd                     | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701% | 0.00021045% |
| 21A/ROY  | Opal Stout                          | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701% | 0.00021045% |
| 21A/ROY  | Jerry D. Boyd                       | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701% | 0.00021045% |
| 21A/ROY  | C.E. Boyd, Jr.                      | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701% | 0.00021045% |

|   |                                  |              |              |               |              |             |
|---|----------------------------------|--------------|--------------|---------------|--------------|-------------|
| 21A/ROY                                 | Rose Mary Nicks                  | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
| 21A/ROY                                 | Audy Shepard                     | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
| 21A/ROY                                 | Carolyn Sue Harris               | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
| 21A/ROY                                 | Dorothy Teague                   | 0.07812506%  | 19.21875000% | 0.40650439%   | 0.04141701%  | 0.00016836% |
| 21A/ROY                                 | Norma Boyd                       | 0.07812506%  | 19.21875000% | 0.40650439%   | 0.04141701%  | 0.00016836% |
| 21A/ROY                                 | Joe Boyd                         | 0.07812506%  | 19.21875000% | 0.40650439%   | 0.04141701%  | 0.00016836% |
| 21A/ROY                                 | Gwendoly Dirickson               | 0.07812506%  | 19.21875000% | 0.40650439%   | 0.04141701%  | 0.00016836% |
| 21A/ROY                                 | Barbara Blackledge               | 0.07812506%  | 19.21875000% | 0.40650439%   | 0.04141701%  | 0.00016836% |
| 21A/ROY                                 | Ira Jean Estlack Chunn           | 0.05859375%  | 19.21875000% | 0.30487805%   | 0.04141701%  | 0.00012627% |
| 21A/ROY                                 | Patricia Estlack Sammons         | 0.05859375%  | 19.21875000% | 0.30487805%   | 0.04141701%  | 0.00012627% |
| 21A/ROY                                 | Dana Estlack Shea                | 0.05859375%  | 19.21875000% | 0.30487805%   | 0.04141701%  | 0.00012627% |
| 21A/ROY                                 | Barbara Estlack Brock            | 0.05859375%  | 19.21875000% | 0.30487805%   | 0.04141701%  | 0.00012627% |
| 21A/ORRI                                | The Mounument Abo Company        | 0.26562500%  | 19.21875000% | 1.38211382%   | 0.04141701%  | 0.00057243% |
| 21A/ORRI                                | Dale Douglas                     | 0.06250000%  | 19.21875000% | 0.32520325%   | 0.04141701%  | 0.00013469% |
| 21A/ORRI                                | Alpine Petroleum, Inc.           | 0.06250000%  | 19.21875000% | 0.32520325%   | 0.04141701%  | 0.00013469% |
|   | Total                            | 19.21875000% |              | 100.00000000% |              | 0.04141701% |
|   |                                  |              |              |               |              |             |
|   |                                  |              |              |               |              |             |
|   |                                  |              |              |               |              |             |
| 21B/ROY                                 | Donna J. & Phillip G. Adams      | 9.37500000%  | 22.39580000% | 41.86052742%  | 0.02072538%  | 0.00867575% |
| 21B/ROY                                 | Thelma Eva Gorney                | 4.68750000%  | 22.39580000% | 20.93026371%  | 0.02072538%  | 0.00433788% |
| 21B/ROY                                 | Jay Neil Joiner                  | 1.56250013%  | 22.39580000% | 6.97675513%   | 0.02072538%  | 0.00144596% |
| 21B/ROY                                 | Gary Nelson Joiner               | 1.56249994%  | 22.39580000% | 6.97675429%   | 0.02072538%  | 0.00144596% |
| 21B/ROY                                 | Barbara Gail Young               | 1.56249994%  | 22.39580000% | 6.97675429%   | 0.02072538%  | 0.00144596% |
| 21B/ORRI                                | The Mounument Abo Company        | 2.47920000%  | 22.39580000% | 11.06993276%  | 0.02072538%  | 0.00229429% |
| 21B/ORRI                                | Dale Douglas                     | 0.58330000%  | 22.39580000% | 2.60450620%   | 0.02072538%  | 0.00053979% |
| 21B/ORRI                                | Alpine Petroleum, Inc.           | 0.58330000%  | 22.39580000% | 2.60450620%   | 0.02072538%  | 0.00053979% |
|   | Total                            | 22.39580000% |              | 100.00000000% |              | 0.02072538% |
|   |                                  |              |              |               |              |             |
| 21C/ROY                                 | Michael Mark Estlack             | 14.06250000% | 18.75000000% | 75.00000000%  | 0.02069163%  | 0.01551872% |
| 21C/ROY                                 | Chester A. & Margaret Beadle     | 4.68750000%  | 18.75000000% | 25.00000000%  | 0.02069163%  | 0.00517291% |
|   | Total                            | 18.75000000% |              | 100.00000000% |              | 0.02069163% |
|   |                                  |              |              |               |              |             |
| 22/ROY                                  | Snyder Ranches, Inc.             | 25.00000000% | 29.68750000% | 84.21052632%  | 0.24184715%  | 0.20366076% |
| 22/ORRI                                 | Estate of Ernestine W. Gillespie | 4.68750000%  | 29.68750000% | 15.78947368%  | 0.24184715%  | 0.03818639% |
|   | Total                            | 29.68750000% |              | 100.00000000% |              | 0.24184715% |
|   |                                  |              |              |               |              |             |
| 23/ROY                                  | Snyder Ranches, Inc.             | 15.62500000% | 20.89844000% | 74.76634620%  | 0.00244717%  | 0.00182966% |
| 23/ORRI                                 | Estate of Ernestine W. Gillespie | 5.27344000%  | 20.89844000% | 25.23365380%  | 0.00244717%  | 0.00061751% |
|   | Total                            | 20.89844000% |              | 100.00000000% |              | 0.00244717% |
|   |                                  |              |              |               |              |             |
| 24/ROY                                  | Robert J Baer and Karl E. Baer   | 14.58625000% | 17.71125000% | 82.35584727%  | 0.33325506%  | 0.27445503% |
| 24/ROY                                  | June D. Speight                  | 3.12500000%  | 17.71125000% | 17.64415273%  | 0.33325506%  | 0.05880003% |
|   | Total                            | 17.71125000% |              | 100.00000000% |              | 0.33325506% |
|   |                                  |              |              |               |              |             |
| 25/ROY                                  | Snyder Ranches, Inc.             | 12.50000000% | 12.50000000% | 100.00000000% | 0.07272844%  | 0.07272844% |
|   | Total                            | 12.50000000% |              | 100.00000000% |              | 0.07272844% |
|   |                                  |              |              |               |              |             |
|   |                                  |              |              |               |              |             |
| ROYALTY OWNERS RETURNING RATIFICATIONS: |                                  |              |              |               |              |             |
|   |                                  |              |              |               |              |             |
| TR. #                                   | ROYALTY OWNER                    | ROYALTY      | TOT. TR ROY  | ROY %         | TR. PART.    | TR %        |
|   |                                  |              |              |               |              |             |
| 21A/ROY                                 | Charles W. Boyd                  | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
|   |                                  |              |              |               |              |             |
| 5/ROY                                   | Teddie Darrel Shelfer            | 0.54946149%  | 20.89145208% | 2.63007802%   | 18.12128350% | 0.47660389% |
|   |                                  |              |              |               |              |             |
| 10/ROY                                  | Faye L. Lipsett Kline            | 4.16675000%  | 20.77156780% | 20.05987242%  | 1.50270850%  | 0.30144141% |
| 11/ROY                                  | Faye L. Lipsett Kline            | 4.16675000%  | 20.57300000% | 20.25348758%  | 1.28897533%  | 0.26106246% |

|          |                                |              |              |              |              |             |
|----------|--------------------------------|--------------|--------------|--------------|--------------|-------------|
|          |                                |              |              |              |              |             |
| 21A/ROY  | Gwendoly Dirickson             | 0.07812506%  | 19.21875000% | 0.40650439%  | 0.04141701%  | 0.00016836% |
| 21A/ROY  | Barbara Blackledge             | 0.07812506%  | 19.21875000% | 0.40650439%  | 0.04141701%  | 0.00016836% |
| 21B/ROY  | Thelma Eva Gorney              | 4.68750000%  | 22.39580000% | 20.93026371% | 0.02072538%  | 0.00433788% |
| 21A/ROY  | Norma Boyd                     | 0.07812506%  | 19.21875000% | 0.40650439%  | 0.04141701%  | 0.00016836% |
| 13/ORRI  | Charles T. Slack               | 0.01250000%  | 21.50321400% | 0.05813084%  | 2.86821633%  | 0.00166732% |
| 21A/ROY  | Vera Dickson                   | 0.31250000%  | 19.21875000% | 1.62601626%  | 0.04141701%  | 0.00067345% |
| 21A/ROY  | Thomas W. Boyd                 | 0.09765638%  | 19.21875000% | 0.50813073%  | 0.04141701%  | 0.00021045% |
| 5/ROY    | Robert L. Brown                | 0.39062494%  | 20.89145208% | 1.86978357%  | 18.12128350% | 0.33882878% |
| 21A/ROY  | Paul E. Powell AIF             | 0.23437500%  | 19.21875000% | 1.21951220%  | 0.04141701%  | 0.00050509% |
| 5/ROY    | Jane Bowers Stoneman           | 0.23437500%  | 20.89145208% | 1.12187032%  | 18.12128350% | 0.20329730% |
| 5/ROY    | Jean Benson                    | 0.45788466%  | 20.89145208% | 2.19173208%  | 18.12128350% | 0.39716998% |
| 21A/ROY  | Dorothy Teague                 | 0.07812506%  | 19.21875000% | 0.40650439%  | 0.04141701%  | 0.00016836% |
| 21A/ROY  | Dana Estlack Shea              | 0.05859375%  | 19.21875000% | 0.30487805%  | 0.04141701%  | 0.00012627% |
| 5/ROY    | Patrick J. Cesarano Rev. Tr.   | 0.05902901%  | 20.89145208% | 0.28255103%  | 18.12128350% | 0.05120187% |
| 5/ROY    | Nancy O'Connor                 | 0.12500000%  | 20.89145208% | 0.59833084%  | 18.12128350% | 0.10842523% |
| 5/ROY    | Barbara M. Gallagher           | 0.03906244%  | 20.89145208% | 0.18697809%  | 18.12128350% | 0.03388283% |
| 13/ORRI  | Wylie G. Basham                | 0.05000000%  | 21.50321400% | 0.23252338%  | 2.86821633%  | 0.00666927% |
| 5/ROY    | Dorothy Lee Lusk               | 1.54536057%  | 20.89145208% | 7.39709508%  | 18.12128350% | 1.34044857% |
| 21A/ROY  | Ruby Dell Estlack              | 0.15625000%  | 19.21875000% | 0.81300813%  | 0.04141701%  | 0.00033672% |
| 5/ORRI   | Lawrence J. Seright            | 0.00937500%  | 20.89145208% | 0.04487481%  | 18.12128350% | 0.00813189% |
| 13/ORRI  | Lawrence J. Seright            | 0.50276800%  | 21.50321400% | 2.33810629%  | 2.86821633%  | 0.06706195% |
| 24/ROY   | Robert J Baer and Karl E. Baer | 14.58625000% | 17.71125000% | 82.35584727% | 0.33325506%  | 0.27445503% |
| 21A/ROY  | Joe Boyd                       | 0.07812506%  | 19.21875000% | 0.40650439%  | 0.04141701%  | 0.00016836% |
| 18A/ORRI | BTA Oil Producers              | 0.32812500%  | 24.83447300% | 1.32124809%  | 0.14670687%  | 0.00193836% |
| 18B/ORRI | BTA Oil Producers              | 0.32812500%  | 24.83447300% | 1.32124809%  | 1.33867162%  | 0.01768717% |
| 21B/ROY  | Barbara Gail Young             | 1.56249994%  | 22.39580000% | 6.97675429%  | 0.02072538%  | 0.00144596% |
| 21A/ROY  | Michael Mark Estlack           | 15.46875000% | 19.21875000% | 80.48780488% | 0.04141701%  | 0.03333564% |
| 21C/ROY  | Michael Mark Estlack           | 14.06250000% | 18.75000000% | 75.00000000% | 0.02069163%  | 0.01551872% |
| 21B/ROY  | Gary Nelson Joiner             | 1.56249994%  | 22.39580000% | 6.97675429%  | 0.02072538%  | 0.00144596% |

|         |                              |             |              |              |              |             |
|---------|------------------------------|-------------|--------------|--------------|--------------|-------------|
| 5/ROY   | Penelope Louise Holcomb      | 0.19531256% | 20.89145208% | 0.93489223%  | 18.12128350% | 0.16941447% |
| 10/ROY  | Grace Starmer                | 0.93750000% | 20.77156780% | 4.51338103%  | 1.50270850%  | 0.06782296% |
| 21A/ROY | Opal Stout                   | 0.09765619% | 19.21875000% | 0.50812976%  | 0.04141701%  | 0.00021045% |
| 21A/ROY | Ira Jean Estlack Chunn       | 0.05859375% | 19.21875000% | 0.30487805%  | 0.04141701%  | 0.00012627% |
| 5/ROY   | James Darrell Shelfer        | 0.27473083% | 20.89145208% | 1.31503941%  | 18.12128350% | 0.23830202% |
| 5/ROY   | Douglas Shelfer              | 0.27473083% | 20.89145208% | 1.31503941%  | 18.12128350% | 0.23830202% |
| 13/ORRI | Marvin E. Kraft              | 0.05000000% | 21.50321400% | 0.23252338%  | 2.86821633%  | 0.00666927% |
| 5/ROY   | Suzanne M. Chambers          | 0.02314863% | 20.89145208% | 0.11080431%  | 18.12128350% | 0.02007916% |
| 10/ROY  | Suzanne M. Chambers          | 0.26041669% | 20.77156780% | 1.25371705%  | 1.50270850%  | 0.01883971% |
| 18A/ROY | William G. Ponder            | 0.32958975% | 24.83447300% | 1.32714614%  | 0.14670687%  | 0.00194701% |
| 18B/ROY | William G. Ponder            | 0.32958975% | 24.83447300% | 1.32714614%  | 1.33867162%  | 0.01776613% |
| 5/ROY   | Mary Ann Haug                | 0.06944572% | 20.89145208% | 0.33241214%  | 18.12128350% | 0.06023735% |
| 10/ROY  | Mary Ann Haug                | 0.78125006% | 20.77156780% | 3.76115116%  | 1.50270850%  | 0.05651914% |
| 5/ROY   | Annie Laura Sturdivant       | 0.91576915% | 20.89145208% | 4.38346337%  | 18.12128350% | 0.79433982% |
| 21B/ROY | Jay Neil Joiner              | 1.56250013% | 22.39580000% | 6.97675513%  | 0.02072538%  | 0.00144596% |
| 13/ORRI | Stanley H. Lockheed          | 0.05000000% | 21.50321400% | 0.23252338%  | 2.86821633%  | 0.00666927% |
| 21A/ROY | L. Ruth Pritchard            | 0.23437500% | 19.21875000% | 1.21951220%  | 0.04141701%  | 0.00050509% |
| 21A/ROY | Donna Estlack Hicks          | 0.11718750% | 19.21875000% | 0.60975610%  | 0.04141701%  | 0.00025254% |
| 21A/ROY | David A. Hughes              | 0.31250000% | 19.21875000% | 1.62601626%  | 0.04141701%  | 0.00067345% |
| 10/ROY  | The Grooms Trust             | 0.70312500% | 20.77156780% | 3.38503577%  | 1.50270850%  | 0.05086722% |
| 14/ORRI | James W. Rogers              | 0.50000000% | 19.50000000% | 2.56410256%  | 1.65551240%  | 0.04244904% |
| 5/ROY   | Marjorie C. Smart Rev. Trust | 1.04168750% | 20.89145208% | 4.98619003%  | 18.12128350% | 0.90356163% |
| 5/ROY   | Henry W. Lawton              | 0.12500000% | 20.89145208% | 0.59833084%  | 18.12128350% | 0.10842523% |
| 5/ROY   | Berkeley N. Moynihan         | 0.03906244% | 20.89145208% | 0.18697809%  | 18.12128350% | 0.03388283% |
| 21A/ROY | David L. Estlack AIF         | 0.23437500% | 19.21875000% | 1.21951220%  | 0.04141701%  | 0.00050509% |
| 21A/ROY | Allen H. Estlack             | 0.11718750% | 19.21875000% | 0.60975610%  | 0.04141701%  | 0.00025254% |
| 21A/ROY | Patricia Estlack Sammons     | 0.05859375% | 19.21875000% | 0.30487805%  | 0.04141701%  | 0.00012627% |
| 9/ROY   | Joseph E. & Twila Goodding   | 9.37500000% | 12.50000000% | 75.00000000% | 2.29023302%  | 1.71767477% |
| 11/ROY  | Norma J. Chanley             | 3.12500000% | 22.91675000% | 13.63631405% | 1.28897533%  | 0.17576872% |

|          |                               |              |              |               |              |             |
|----------|-------------------------------|--------------|--------------|---------------|--------------|-------------|
| 21C/ROY  | Chester A. & Margaret Beadle  | 4.68750000%  | 18.75000000% | 25.00000000%  | 0.02069163%  | 0.00517291% |
| 5/ROY    | Anita M. McDonald             | 0.02314863%  | 20.89145208% | 0.11080431%   | 18.12128350% | 0.02007916% |
| 21A/ROY  | Barbara Estlack Brock         | 0.05859375%  | 19.21875000% | 0.30487805%   | 0.04141701%  | 0.00012627% |
| 5/ROY    | Richard H. Power              | 0.45788466%  | 20.89145208% | 2.19173208%   | 18.12128350% | 0.39716998% |
| 21A/ROY  | Jerry D. Boyd                 | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
| 7/ROY    | Jay Root Royalty Trust Agree. | 18.75000000% | 18.75000000% | 100.00000000% | 4.32398616%  | 4.32398616% |
| 1/ORRI   | Donald R. Curry               | 0.15625000%  | 17.50000000% | 0.89285714%   | 16.89478404% | 0.15084629% |
| 8/ROY    | Chad L. & Norma B. Wiley      | 9.37500000%  | 18.75000000% | 50.00000000%  | 3.29313472%  | 1.64656736% |
| 14/ORRI  | Brett K. Bracken              | 0.25000000%  | 19.50000000% | 1.28205128%   | 1.65551240%  | 0.02122452% |
| 5/ROY    | Monty D. McLane               | 0.11574315%  | 20.89145208% | 0.55402156%   | 18.12128350% | 0.10039582% |
| 18A/ORRI | Geo. & Pat Zimmerman          | 3.00000000%  | 24.83447300% | 12.07998253%  | 0.14670687%  | 0.01772216% |
| 18B/ORRI | Geo. & Pat Zimmerman          | 3.00000000%  | 24.83447300% | 12.07998253%  | 1.33867162%  | 0.16171130% |
| 8/ROY    | Mary Katherine Garrett Noble  | 4.68750000%  | 18.75000000% | 25.00000000%  | 3.29313472%  | 0.82328368% |
| 10/ROY   | Dorothy Fuller Lundeen        | 0.34179675%  | 20.77156780% | 1.64550290%   | 1.50270850%  | 0.02472711% |
| 11/ROY   | William Robert Yarnell        | 2.34375000%  | 20.57300000% | 11.39235892%  | 1.28897533%  | 0.14684470% |
| 21A/ROY  | Audy Shepard                  | 0.09765619%  | 19.21875000% | 0.50812976%   | 0.04141701%  | 0.00021045% |
| 5/ROY    | Katherine McDonald Wenig      | 0.02314863%  | 20.89145208% | 0.11080431%   | 18.12128350% | 0.02007916% |
| 10/ROY   | Katherine McDonald Wenig      | 0.26041669%  | 20.77156780% | 1.25371705%   | 1.50270850%  | 0.01883971% |
| 5/ROY    | Clarence V. Shelfer           | 0.54946149%  | 20.89145208% | 2.63007802%   | 18.12128350% | 0.47660389% |
| 5/ROY    | Keith Stadwick                | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256% |
| 5/ROY    | John Stadwick                 | 0.03348225%  | 20.89145208% | 0.16026770%   | 18.12128350% | 0.02904256% |
| 11/ROY   | Joan L. Yarnell Rine          | 1.56250000%  | 20.57300000% | 7.59490594%   | 1.28897533%  | 0.09789646% |
| 13/ORRI  | Titan Resources, L.P.         | 0.83794600%  | 21.50321400% | 3.89684072%   | 2.86821633%  | 0.11176982% |
| 5/ROY    | June Danglade Speight         | 10.93750000% | 20.89145208% | 52.35394820%  | 18.12128350% | 9.48720738% |
| 18A/ROY  | June Speight                  | 3.12500000%  | 24.83447300% | 12.58331514%  | 0.14670687%  | 0.01846059% |
| 18B/ROY  | June D. Speight               | 3.12500000%  | 24.83447300% | 12.58331514%  | 1.33867162%  | 0.16844927% |
| 24/ROY   | June D. Speight               | 3.12500000%  | 17.71125000% | 17.64415273%  | 0.33325506%  | 0.05880003% |
| 5/ROY    | Betty Louise Pieper           | 0.39062494%  | 20.89145208% | 1.86978357%   | 18.12128350% | 0.33882878% |
| 10/ROY   | Energen Resources Corp        | 0.25634763%  | 20.77156780% | 1.23412747%   | 1.50270850%  | 0.01854534% |
| 18A/ROY  | Energen Resources Corp        | 3.51562500%  | 24.83447300% | 14.15622953%  | 0.14670687%  | 0.02076816% |
| 18B/ROY  | Energen Resources Corp        | 3.51562500%  | 24.83447300% | 14.15622953%  | 1.33867162%  | 0.18950543% |
| 11/ROY   | Roy B. Barton, Jr.            | 3.12500000%  | 20.57300000% | 15.18981189%  | 1.28897533%  | 0.19579293% |



|         |                                     |              |              |                   |              |              |
|---------|-------------------------------------|--------------|--------------|-------------------|--------------|--------------|
|         |                                     |              |              |                   |              |              |
| 5/ROY   | Barton Revocable Trust              | 0.78125000%  | 20.89145208% | 3.73956773%       | 18.12128350% | 0.67765767%  |
| 10/ROY  | Barton Revocable Trust              | 10.00000000% | 20.77156780% | 48.14273095%      | 1.50270850%  | 0.72344491%  |
| 11/ROY  | Barton Revocable Trust              | 6.25000000%  | 20.57300000% | 30.37962378%      | 1.28897533%  | 0.39158586%  |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
| 10/ROY  | Heidi C. Barton                     | 0.30381950%  | 20.77156780% | 1.46267004%       | 1.50270850%  | 0.02197967%  |
|         |                                     |              |              |                   |              |              |
| 14/ROY  | Marilyn Maxwell Chandler Tr.        | 18.75000000% | 19.50000000% | 96.15384615%      | 1.65551240%  | 1.59183885%  |
|         |                                     |              |              |                   |              |              |
| 5/ROY   | Rickie Don Thompson                 | 0.18315383%  | 20.89145208% | 0.87669267%       | 18.12128350% | 0.15886796%  |
|         |                                     |              |              |                   |              |              |
| 8/ROY   | Billie Garrett Lytle                | 4.68750000%  | 18.75000000% | 25.00000000%      | 3.29313472%  | 0.82328368%  |
|         |                                     |              |              |                   |              |              |
| 18A/ROY | Bradford A. Christmas               | 0.76171875%  | 24.83447300% | 3.06718306%       | 0.14670687%  | 0.00449977%  |
| 18B/ROY | Bradford A. Christmas               | 0.76171875%  | 24.83447300% | 3.06718306%       | 1.33867162%  | 0.04105951%  |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
| 1/ORRI  | GPC Oil & Gas Corp                  | 0.54687500%  | 17.50000000% | 3.12500000%       | 16.89478404% | 0.52796200%  |
|         |                                     |              |              |                   |              |              |
| 5/ROY   | Joan Sermak                         | 0.12500000%  | 20.89145208% | 0.59833084%       | 18.12128350% | 0.10842523%  |
|         |                                     |              |              |                   |              |              |
| 5/ROY   | Lewis E. McLaughlin                 | 0.06250000%  | 20.89145208% | 0.29916542%       | 18.12128350% | 0.05421261%  |
| 5/ROY   | Lois M. McLaughlin                  | 0.06250000%  | 20.89145208% | 0.29916542%       | 18.12128350% | 0.05421261%  |
|         |                                     |              |              |                   |              |              |
| 24/ROY  | Robert J Baer and Karl E. Baer      | 14.58625000% | 17.71125000% | 82.35584727%      | 0.33325506%  | 0.27445503%  |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
| 1/ORRI  | Estate of Charles B. Gillespie, Jr. | 2.00000000%  | 17.50000000% | 11.42857143%      | 16.89478404% | 1.93083246%  |
| 10/ROY  | Estate of Charles B. Gillespie, Jr. | 0.41442863%  | 20.77156780% | 1.99517258%       | 1.50270850%  | 0.02998163%  |
| 19/ORRI | Estate of Charles B. Gillespie, Jr. | 0.65625000%  | 18.62500000% | 3.52348993%       | 0.33584307%  | 0.01183340%  |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
| 2/ROY   | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%      | 14.35957992% | 9.98927299%  |
| 3/ROY   | State of New Mexico                 | 12.50000000% | 12.50000000% | 100.00000000%     | 10.76310855% | 10.76310855% |
| 4/ROY   | State of New Mexico                 | 16.66670000% | 16.66670000% | 100.00000000%     | 4.15135551%  | 4.15135551%  |
| 12/ROY  | State of New Mexico                 | 12.50000000% | 12.50000000% | 100.00000000%     | 1.69116346%  | 1.69116346%  |
| 13/ROY  | State of New Mexico                 | 20.00000000% | 21.50321400% | 93.00935200%      | 2.86821633%  | 2.66770942%  |
| 15/ROY  | State of New Mexico                 | 12.50000000% | 13.25000000% | 94.33962264%      | 1.59713840%  | 1.50673434%  |
| 19/ROY  | State of New Mexico                 | 12.50000000% | 18.62500000% | 67.11409396%      | 0.33584307%  | 0.22539803%  |
| 20A/ROY | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%      | 0.18075790%  | 0.12574463%  |
| 20B/ROY | State of New Mexico                 | 12.50000000% | 17.96875000% | 69.56521739%      | 0.23960932%  | 0.16668474%  |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
| 1/ROY   | United States                       | 12.50000000% | 17.50000000% | 71.42857143%      | 16.89478404% | 12.06770289% |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              |                   |              |              |
|         |                                     |              |              | COMMITTED TO DATE |              | 78.58351496% |

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

This Ratification and Joinder shall be effective as to all of the undersigned's interests in any lands and leases within the Unit Area including Royalty Interests, presently held or which may arise under existing option agreements, or other interests in Unitized Substances, covering the lands within the Unit Area in which the undersigned may be found to have Oil and Gas Rights.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 10<sup>th</sup> day of MAY, 2000.

Energen Resources Corporation

Name:

Joe E. Cook  
by: Joe E. Cook

Address: 3300 North "A" Street, Building 4  
Suite 100  
Midland, Texas 79705

ACKNOWLEDGMENT

STATE OF ALABAMA        )(

COUNTY OF JEFFERSON    )(

SUBSCRIBED AND SWORN TO before me this 10th day of May, 2000, by Joe E. Cook, as Vice President of Energen Resources Corporation, an Alabama corporation, on behalf of said corporation.

My commission Expires:  
Cheryl V. Harris

**NOTARY PUBLIC STATE OF ALABAMA AT LARGE**  
MY COMMISSION EXPIRES: MARCH 31, 2002

Cheryl V. Harris  
Notary Public in and for the State of Alabama

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 5th day of July, 2000.

Name:

[Signature]

Address:

P.O. Box 8

Midland, Texas 79702

ACKNOWLEDGMENT

STATE OF Texas )

)ss.

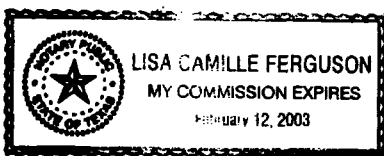
COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 5th day of July, 2000, by C.D. Martin, Executor of Estate of Charles B. Gillespie, Jr.

My Commission Expires:

\_\_\_\_\_

[Signature]  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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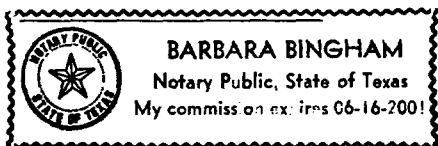
EXECUTED this 18<sup>th</sup> day of May, 2000.

Name: Pathfinder Exploration Co.  
By: Scott E. Wilson  
President  
Address: 4512 Bent Tree Trail  
Midland, TX 79707

ACKNOWLEDGMENT

STATE OF TEXAS )  
 )ss.  
COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 18<sup>th</sup> day of May, 2000, by Scott E. Wilson, President of Pathfinder Exploration Co. on behalf of said corporation.  
My Commission Expires:



Barbara Bingham  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 15th day of May, 2000.

WOOD OIL COMPANY

Name:

Joe W. Smith  
Joe W. Smith, President

Address:

1419 E. 15th Street, Suite A

Tulsa, OK 74120-5807

ACKNOWLEDGMENT

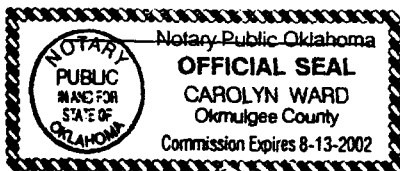
STATE OF OKLAHOMA )

)ss.

COUNTY OF TULSA )

SUBSCRIBED AND SWORN TO before me this 15th day of May,  
2000, by Joe W. Smith

My Commission Expires:



Carolyn Ward  
Notary Public  
Carolyn Ward

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**AND**  
**UNIT OPERATING AGREEMENT**  
**SECOND EXPANSION**

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 19<sup>th</sup> day of May, 2000.

Yates Petroleum Corporation - 0.4256580%  
Yates Drilling Company - 0.1898228%  
Abo Petroleum Corporation - 0.1789921%  
Myco Industries, Inc. - 0.2039862%  
Los Chicos - 0.0083314%  
Peyton Yates - 0.0016663%  
Richard Yates - 0.0016663%  
John A. Yates - 0.0083314%  
Trust Q u/w/o Peggy A. Yates, deceased - 0.0083314%  
Sacramento Partners Limited Partnership - 0.0108308%

Name:

Dave Boneau

Address:

105 South Fourth Street

Artesia, New Mexico 88210

**ACKNOWLEDGMENT**

STATE OF New Mexico )

)ss.

COUNTY OF Eddy )

SUBSCRIBED AND SWORN TO before me this 19th day of May,  
2000, by Dave Boneau

My Commission Expires:

12-5-2003

Corinne Guzman  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 16 day of MAY, 2000.

Name: CANNON EXPLORATION Co.

Address: 3608 S.C.R. 1184

MIDLAND, TEXAS 79706

Todd M. Wilson, President

ACKNOWLEDGMENT

STATE OF TEXAS )

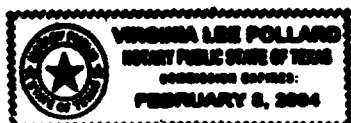
)ss.

COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 16 day of MAY, 2000, by Todd M. Wilson, President of CANNON EXPLORATION Co.,

My Commission Expires:

Virginia Lee Pollard  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 16 day of May, 2000.

Name:

Eric K. Hanson

Eric K. Hanson Vice President  
Hanley Petroleum Inc., General Partner  
of Hanley OAD, Ltd. II

Address:

415 W. Wall, Suite 1500

Midland, TX 79701

ACKNOWLEDGMENT

STATE OF Texas )

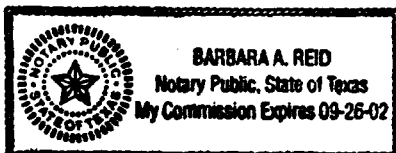
)ss.

COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 16th day of May, 2000, by Eric K. Hanson, Vice President of Hanley Petroleum Inc., a Texas corporation, on behalf of said corporation.

My Commission Expires:

Barbara A. Reid  
Notary Public





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 11th day of May, 2000.

Name:

E. D. Stinson RBN  
E.D. Stinson, Vice President - Land & Legal  
Lario Oil & Gas Company

Address:

301 S. Market

Wichita, Kansas 67202

ACKNOWLEDGMENT

STATE OF KANSAS )

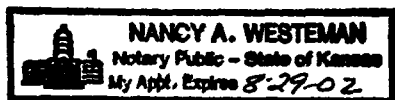
)ss.

COUNTY OF SEDGWICK )

SUBSCRIBED AND SWORN TO before me this 11th day of May,  
2000, by E. D. Stinson, Vice President - Land & Legal.

My Commission Expires:

August 29, 2002



Nancy A. Westeman  
Notary Public - Nancy A. Westeman

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 10 day of MAY, 2000.

Name:

Edgar J. Huffman

Address:

USA EXSMIS of A Ac.  
9201 N 7<sup>th</sup> Ave  
PHX, AZ 85021

ACKNOWLEDGMENT

STATE OF ARIZONA )  
 )ss.

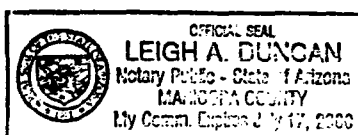
COUNTY OF MARICOPA )

SUBSCRIBED AND SWORN TO before me this 10<sup>th</sup> day of MAY,  
2000; by EDGAR J. HUFFMAN

My Commission Expires:

JULY 17, 2000

Leigh A. Duncan  
Notary Public



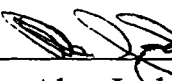
RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of **Lea**, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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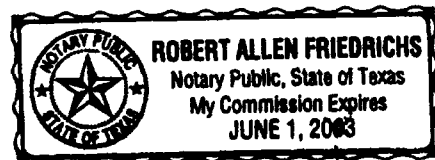
This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 9th day of May, 2000.

Name: ADIA Enterprises, Inc.  
Address: by:   
Alan Jochimsen, President  
4209 Cardinal Lane  
Midland, Texas 79707

ACKNOWLEDGMENT

STATE OF Texas )  
 )ss.  
COUNTY OF Midland )



SUBSCRIBED AND SWORN TO before me this 9th day of May, 2000, by Alan Jochimsen, President of ADIA Enterprises, Inc.

My Commission Expires:

June 1, 2003

  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 8th day of May, 2000.

Name:

Robert D. Snow Living Trust

Address:

320 S. Boston, Suite 1910

Tulsa OK 74103-4734

ACKNOWLEDGMENT

STATE OF OKLAHOMA )

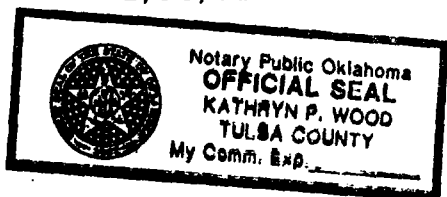
)ss.

COUNTY OF TULSA )

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Bill R. Snow, Trustee

My Commission Expires:

2/26/01



Kathryn P. Wood  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
AND  
UNIT OPERATING AGREEMENT  
SECOND EXPANSION

In consideration of the execution and ratification of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior, and the Commissioner of Public Lands of the State of New Mexico, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement and Unit Operating Agreement as fully as though the undersigned had executed the original agreements.

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns, or successors in interest.

EXECUTED this 8th day of May, 2000.

Name:

Philwell, Inc.

Address:

320 S. Boston, Suite 1910

Tulsa, OK 74103-4734

ACKNOWLEDGMENT

STATE OF OKLAHOMA )  
 )ss.

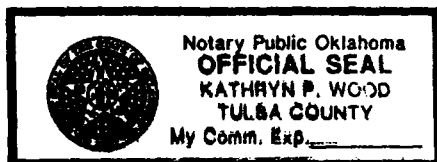
COUNTY OF TULSA )

SUBSCRIBED AND SWORN TO before me this 8th day of May,  
2000, by Bill R. Snow, President

My Commission Expires:

2/26/01

Kathryn P. Wood  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 31<sup>st</sup> day of May, 2000.

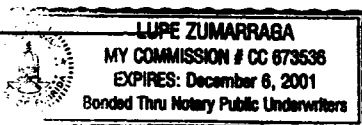
Name: John C. Cesarano  
JOHN C. CESARANO, SECRETARY  
Address: P.J.C. OIL NUMBER ONE, INC.  
12454 S.W. 76 ST.  
MIAMI, FL 33183

ACKNOWLEDGMENT

STATE OF Florida  
COUNTY OF Miami-Dade )ss.

SUBSCRIBED AND SWORN TO before me this 31<sup>st</sup> day of May,  
2000, by John C. Cesarano

My Commission Expires:



Lupe Zumarraga  
Notary Public

## SECOND EXPANSION

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 22<sup>nd</sup> day of May, 2000.

Name: WILLIAM YARNELLE

Address: 450 S. VENICE BL, #1

VENICE, CA 90291

William F. Gansel

## ACKNOWLEDGMENT

STATE OF California )  
 ) ss

COUNTY OF Los Angeles

SUBSCRIBED AND SWORN TO before me this 22<sup>nd</sup> day of May, 2000, by William Yarnelle.

**My Commission Expires:**

01-24-2001

**Notary Public**



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

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This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 21 day of June, 2000.

Name:

Address:

Joan C. Sernak  
1494 Quail Court  
Northridge, Ca. 91324

ACKNOWLEDGMENT

STATE OF California )

)ss.

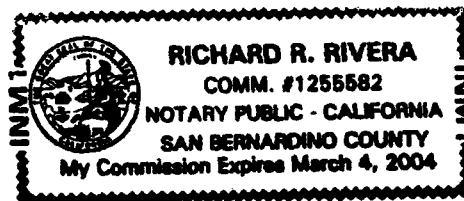
COUNTY OF San Bernardino )

SUBSCRIBED AND SWORN TO before me this 21 day of June, 2000, by Joan C. Sernak.

My Commission Expires:

March 04, 2004

Richard R. Rivera  
Notary Public





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 22<sup>nd</sup> day of JUNE, 2000.

Name:

Lewia E McLaughlin

Address:

20110 Maple Ct  
Port Charlotte FL 33954

ACKNOWLEDGMENT

STATE OF FLORIDA )

COUNTY OF Charlotte )ss.

SUBSCRIBED AND SWORN TO before me this 22<sup>d</sup> day of June,  
2000, by Lewia E. McLaughlin

My Commission Expires:



Alfred L. Braun  
MY COMMISSION # CC931569 EXPIRES  
June 4, 2004  
BONDED THRU TROY FAIR INSURANCE, INC.

Alfred L. Braun  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15 day of May, 2000.

Name:

Chita McDonald

Address:

1301 Sunny Hill Ct.  
Bettendorf, Iowa  
52722

ACKNOWLEDGMENT

STATE OF

Iowa

COUNTY OF

Scott

)ss.

2000, by

SUBSCRIBED AND SWORN TO before me this

15

day of

May

My Commission Expires:

1-18-2002

Notary Public

[Signature]

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15 day of May, 2000.

Name:

Chester Beadle

Address:

1004 N. 8th  
Carlsbad NM  
88220

ACKNOWLEDGMENT

STATE OF NM)

COUNTY OF Eddy) ss.

SUBSCRIBED AND SWORN TO before me this 15 day of May,  
2000, by Chester Beadle

My Commission Expires:

9-2-01

[Signature]  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11th day of May, 2000.

Name:

Address:

Norma J Chanley  
P.O. Box 728  
Hobbs, New Mexico 88241  
585-09-5731

ACKNOWLEDGMENT

STATE OF

New Mexico

)ss.

COUNTY OF

Lea

SUBSCRIBED AND SWORN TO before me this 11th day of May, 2000, by Norma J. Chanley.

My Commission Expires:

9-16-2001

Janice K. Cox  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 17 day of May, 2000.

Name:

Twila Goodding  
TWILA GOODDING, TRUSTEE

Address:

1009 CRESTVIEW CR

FARMINGTON, NM 87401

ACKNOWLEDGMENT

STATE OF NEW MEXICO

)ss.

COUNTY OF SAN JUAN

SUBSCRIBED AND SWORN TO before me this 12 day of MAY, 2000, by TWILA GOODDING.

My Commission Expires:

10-15-02

James W. Smith  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16 day of May, 2000.

Name:

Address:

Patricia Sammons  
P.O. Box 524  
Petersburg, TX 79250

ACKNOWLEDGMENT

STATE OF TEXAS )  
 )ss.  
COUNTY OF HALE )

SUBSCRIBED AND SWORN TO before me this 16 day of May, 2000, by Patricia Sammons

My Commission Expires:

06-06-2003

Marie Parr

Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15<sup>th</sup> day of May, 2000.

Name: Arthur H. Entack  
Address: 615 Collins Dr 596  
Clarendon Tx  
79226

ACKNOWLEDGMENT

STATE OF Texas )  
 )ss.  
COUNTY OF Donley )

SUBSCRIBED AND SWORN TO before me this 15 day of May,  
2000, by Jaci L. McAnear

My Commission Expires:

9-10-2002



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16<sup>th</sup> day of May, 2000.

Name: David L. Estlack  
Address: 2002 Surrey Dr.  
Round Rock, TX 78664

ACKNOWLEDGMENT

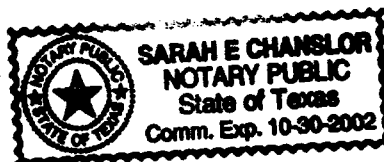
STATE OF Texas )  
COUNTY OF Tarrant )ss.

SUBSCRIBED AND SWORN TO before me this 16<sup>th</sup> day of May, 2000, by David L. Estlack.

My Commission Expires:

10-30-2002

Sarah E Chanslor  
Notary Public





## RATIFICATION AND JOINDER OF UNIT AGREEMENT SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16 day of May, 2000.

Name:

**Address:**

## ACKNOWLEDGMENT

STATE OF North Carolina )  
 )ss.

COUNTY OF Buncombe

SUBSCRIBED AND SWORN TO before me this 16<sup>th</sup> day of may,  
2000, by Judy Haynes.

**My Commission Expires:**

MY COMMISSION EXPIRES  
2-14-2005

Judy Haynes  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12th day of May, 2000.

Name:

Ruby Gibson Carley

Address:

2511 Willowick, Apt. 335

Houston, Texas 77027

Ruby Gibson Carley

ACKNOWLEDGMENT

STATE OF

Texas

COUNTY OF

Harris )ss.

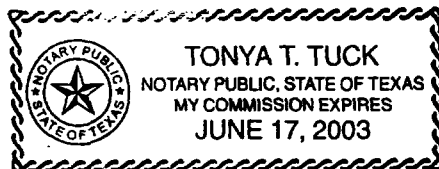
2000, by

SUBSCRIBED AND SWORN TO before me this 12th day of May,  
Ruby Gibson Carley

My Commission Expires:

June 17, 2003

Tonya T. Tuck  
Notary Public



**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**SECOND EXPANSION**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15<sup>th</sup> day of May, 2000.

Estate of Henry W. Lawton

Name: By: Marie R. Lawton  
Marie R. Lawton, Executrix

Address: 863 Smith Road

P.O. Box 161

Portville, New York 14770

**ACKNOWLEDGMENT**

STATE OF New York )  
 )ss.

COUNTY OF Cattaraugus )

SUBSCRIBED AND SWORN TO before me this 15<sup>th</sup> day of May,  
2000, by \_\_\_\_\_.

My Commission Expires:

12/10/00

Anne Sutter  
Notary Public

**ANNE SUTTER**  
NOTARY PUBLIC, STATE OF NEW YORK  
QUALIFIED IN CATTARAUGUS COUNTY  
MY COMMISSION EXPIRES 12/10/00

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of May, 2000.

Name:

Marjorie C Smart Trust

Address:

1238 Palisade  
Helen Sp, AR 72543

ACKNOWLEDGMENT

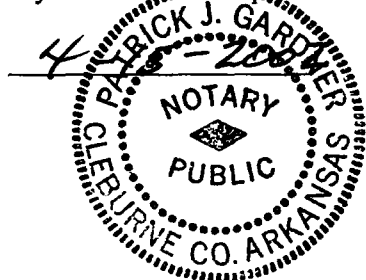
STATE OF ARKANSAS )

)ss.

COUNTY OF Cleburne )

SUBSCRIBED AND SWORN TO before me this 12<sup>th</sup> day of May, 2000, by MARJORIE C. SMART, TRUSTEE.

My Commission Expires:



Patrick J. Gardner  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16<sup>TH</sup> day of May, 2000.

Name:

James W. Rogers

Address:

JAMES W. ROGERS  
3922 EDGEBROOK G  
MIDLAND, TX 79707

ACKNOWLEDGMENT

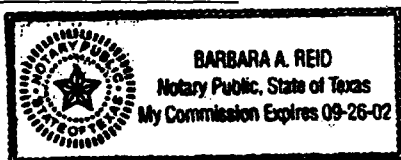
STATE OF TEXAS )

)ss.

COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 16th day of May,  
2000, by James W. Rogers.

My Commission Expires:



Barbara A. Reid  
Notary Public

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**SECOND EXPANSION**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16th day of May, 2000.

Name: Grooms Trust, U/A/D 12-15-1982

Address: P.O. Box 2328

Roswell, New Mexico 88202-2328

F. Andrew Grooms Trustee

**ACKNOWLEDGMENT**

STATE OF New Mexico )

)ss.

COUNTY OF Chaves )

SUBSCRIBED AND SWORN TO before me this 16th day of May,  
2000, by F. Andrew Grooms, Trustee of the Grooms Trust, U/A/D 12-15-1982

My Commission Expires:

1-29-02



Leann Lawlis  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11<sup>th</sup> day of May, 2000.

Name:

Address:

Jay Joiner  
Jay Joiner  
5908 Cary Dr.  
Austin, Tx 78757

ACKNOWLEDGMENT

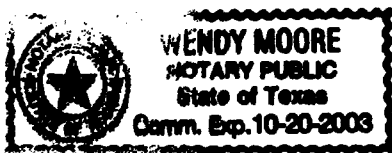
STATE OF Texas )  
 )ss.  
COUNTY OF Travis )

SUBSCRIBED AND SWORN TO before me this 11<sup>th</sup> day of May,  
2000, by Jay Joiner

My Commission Expires:

10-20-2003

Wendy Moore  
Notary Public



## SECOND EXPANSION

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

Name:

**Address:**

Pineville Mo 64856

STATE OF Missouri

)SS.

COUNTY OF McDonnell

SUBSCRIBED AND SWORN TO before me this 9 day of May, 2000, by Michael S. Hall.

05-28-2001

Michael J. Hall  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington, Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12<sup>th</sup> day of MAY, 2000.

Name:

Mary Ann Haug

Address:

1200 HAMBULT ST #905  
DENVER, CO 80218

ACKNOWLEDGMENT

STATE OF

Colorado

)ss.

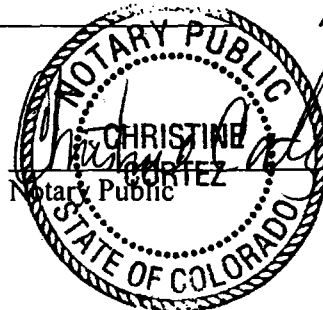
COUNTY OF

Denver

SUBSCRIBED AND SWORN TO before me this 12<sup>th</sup> day of May, 2000, by Mary Ann Haug

My Commission Expires:

MY COMMISSION EXPIRES NOV. 3, 2002



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9 day of May, 2000.

Name:

William M. Ponder

Address:

1209 Berkeley Dr.

Richardson, Texas

ACKNOWLEDGMENT

STATE OF TEXAS

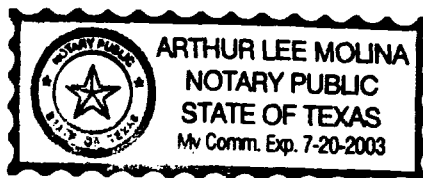
COUNTY OF Dallas )ss.  
)

SUBSCRIBED AND SWORN TO before me this 9th day of May,  
2000, by William M. Ponder

My Commission Expires:

7-20-2003

Arthur Lee Molina  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10<sup>th</sup> day of May, 2000.

Name:

Suzanne M. Chambers

Address:

314 W. 1<sup>st</sup> St.  
Audubon La 50025

ACKNOWLEDGMENT

STATE OF Iowa )

)ss.

COUNTY OF Audubon )

SUBSCRIBED AND SWORN TO before me this 10<sup>th</sup> day of May,  
2000, by Suzanne M. Chambers.

My Commission Expires:

7-1-02

Lana Jensen  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11<sup>TH</sup> day of MAY, 2000.

Name: Marvin E. Kraft  
Address: 367 FAIRWAY  
WICHITA, KS 67212

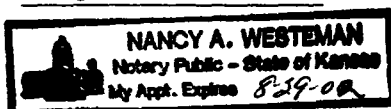
ACKNOWLEDGMENT

STATE OF KANSAS )  
 )ss.  
COUNTY OF SEDGWICK )

SUBSCRIBED AND SWORN TO before me this 11th day of May,  
2000, by Marvin E. Kraft.

My Commission Expires:

August 29, 2002



Nancy A. Westeman  
Notary Public - Nancy A. Westeman

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11 day of May, 2000.

Name: Douglas Shetter  
Address: 4815 Stage Line Dr.  
Arlington, TX. 76017  
Douglas Shetter

ACKNOWLEDGMENT

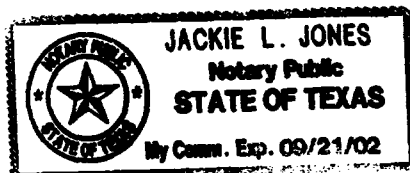
STATE OF Texas )  
 )ss.  
COUNTY OF Tarrant )

SUBSCRIBED AND SWORN TO before me this 11<sup>th</sup> day of May,  
2000, by Douglas Shetter.

My Commission Expires:

9-21-02

Jackie L. Jones  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10<sup>th</sup> day of May, 2000.

Name: James D. Shelter

Address: 665 Shelton

Abilene, Tx. 79603

James D. Shelter

ACKNOWLEDGMENT

STATE OF TEXAS )

)ss.

COUNTY OF TAYLOR )

SUBSCRIBED AND SWORN TO before me this 10 day of MAY, 2000, by JAMES D. SHELTER

KM

My Commission Expires:

2-4-03

Notary Public

Kevin McSherry



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10<sup>th</sup> day of May, 2000.

Name: Ira Jean Estelak Chunn  
Address: 3114 Crockett  
Armadillo, TX  
79110

ACKNOWLEDGMENT

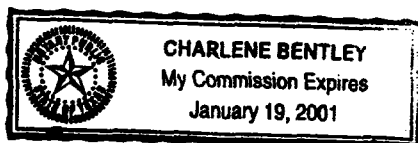
STATE OF Texas )  
 )ss.  
COUNTY OF Randall )

SUBSCRIBED AND SWORN TO before me this 10<sup>th</sup> day of May,  
2000, by Ira Jean Estelak Chunn.

My Commission Expires:

1-19-2001

Charlene Bentley  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10th day of May, 2000.

MID-CONTINENT ENERGY, INC.

Name:

Paul D. Witt

Address:

Paul D. Witt, President

100 West 5th Street, Suite 450

Tulsa, OK 74103-4287

ACKNOWLEDGMENT

STATE OF OKLAHOMA )

)ss.

COUNTY OF TULSA )

SUBSCRIBED AND SWORN TO before me this 10th day of May,  
2000, by Paul D. Witt, President of Mid-Continent Energy, Inc.

My Commission Expires:

January 10, 2004

Sharon L. Fair

Notary Public Sharon L. Fair



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10th day of May, 2000.

Name:

Patricia L. Oglesby  
Patricia L. Oglesby, President

Address:

ACORN RESOURCES, INC.

P O Box 9665

Tulsa OK 74157-0665

ACKNOWLEDGMENT

STATE OF Oklahoma )

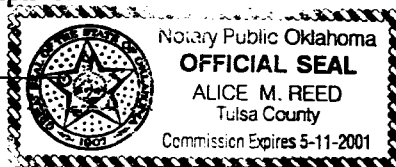
)ss.

COUNTY OF Tulsa )

SUBSCRIBED AND SWORN TO before me this 10th day of May, 2000, by Patricia L. Oglesby, as President of Acorn Resources, Inc.

My Commission Expires:

5/11/2001



Alice M. Reed  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9 day of MAY, 2000.

Name: Opal N. Stout  
Address: 1904 Ave M  
Snyder, TX 79549

ACKNOWLEDGMENT

STATE OF TEXAS )  
 )ss.  
COUNTY OF SCURRY )

SUBSCRIBED AND SWORN TO before me this 9 day of MAY,  
2000, by OPAL N. STOUT

My Commission Expires:



Jan Buchanan  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington, Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10 day of May, 2000.

Name: Grace G. Starmer  
Address: Grace G. Starmer  
P.O. Box 1047  
Healdsburg, CA 95448

ACKNOWLEDGMENT

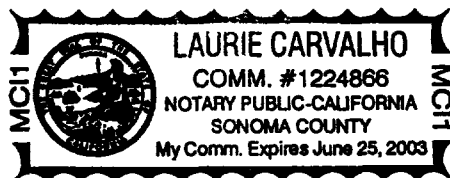
STATE OF California )  
 )ss.  
COUNTY OF Sonoma )

SUBSCRIBED AND SWORN TO before me this 10th day of May,  
2000, by Grace G. Starmer.

My Commission Expires:

June 25, 2003

Laurie Carvalho  
Notary Public  
Laurie Carvalho



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10<sup>TH</sup> day of MAY, 2000.

Name:

Denelope Louise Holcomb

Address:

4313 THORNGATE LANE

ACWORTH, GA. 30101

ACKNOWLEDGMENT

STATE OF Georgia )

)ss.

COUNTY OF Cobb )

SUBSCRIBED AND SWORN TO before me this 10<sup>th</sup> day of May, 2000, by Beverly Eckel / Beverly Eckel

My Commission Expires:  
Notary Public, Cobb County, Georgia  
My Commission Expires September 16, 2000

Beverly Eckel  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10 day of May, 2000.

Name:

Gary N. Joener

Address:

322 Mt. Spring Dr.  
Baer, TX 78006

ACKNOWLEDGMENT

STATE OF Texas

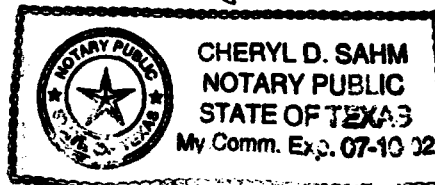
COUNTY OF Hendall

SUBSCRIBED AND SWORN TO before me this 10 day of May, 2000, by Gary Joener

My Commission Expires:

7/10/02

Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

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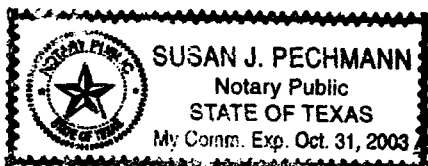
EXECUTED this 9 day of May, 2000.

Name:

Michael M Estlack

Address:

2122 JASMINE PATH  
ROUND ROCK, TX. 78664



ACKNOWLEDGMENT

STATE OF TEXAS )

)ss.

COUNTY OF WILLIAMSON )

SUBSCRIBED AND SWORN TO before me this 9th day of May, 2000, by MICHAEL M. ESTLACK.

My Commission Expires:

10-31-03

Susan J. Pechmann  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9th day of May, 2000.

Name:

Address:

Barbara G. Young  
6719 Avenue B  
Bellaire, TX 77401

ACKNOWLEDGMENT

STATE OF Texas )

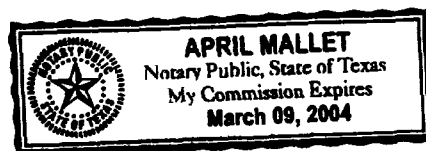
COUNTY OF Harris ) ss.

SUBSCRIBED AND SWORN TO before me this 9th day of May, 2000, by ~~April Mallet~~ BARBARA G. YOUNG

My Commission Expires:

3-9-2004

April Mallet  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 09 day of May, 2000.

Name:

Joe Boyd

Address:

6801 W 19<sup>th</sup> Box 270  
Lubbock Texas 79407

ACKNOWLEDGMENT

STATE OF Texas)

)ss.

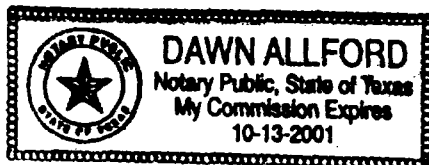
COUNTY OF Lubbock)

SUBSCRIBED AND SWORN TO before me this 9<sup>th</sup> day of May, 2000, by Joe Boyd

My Commission Expires:

10-13-2001

Dawn Allford  
Notary Public





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9<sup>th</sup> day of May, 2000.

Name:

Karl E Baer

Address:

3109 E 45<sup>th</sup> St  
Tulsa OK 74105

ACKNOWLEDGMENT

STATE OF Oklahoma )

COUNTY OF Tulsa )ss.

SUBSCRIBED AND SWORN TO before me this 9<sup>th</sup> day of May, 2000, by Karl E. Baer

My Commission Expires:

09-30-01

Kendy Santucci  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9 day of May, 2000.

Name:

Ruby Dell Estlack

Address:

O.P. Box 640  
Clarendon, Texas  
79226

ACKNOWLEDGMENT

STATE OF TEXAS )

)ss.

COUNTY OF DONLEY )

SUBSCRIBED AND SWORN TO before me this 9<sup>th</sup> day of May,  
2000, by Ruby DELL ESTLACK

My Commission Expires:

11-30-2000

Joe T. Lovell  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10 day of MAY, 2000.

Name: WYLLIE G. BUSHAM  
Address: 3317 HAYNES  
MIDLAND, TEXAS 79707  
Wyllie G. Busham

ACKNOWLEDGMENT

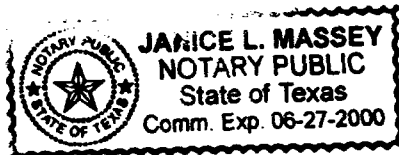
STATE OF Texas )  
 )ss.  
COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 10<sup>th</sup> day of May,  
2000, by Janice L. Massey Wyllie G. Busham.

My Commission Expires:

06-27-2000

Janice L. Massey  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11 day of May, 2000.

Name:

Nancy A O'Connor

Address:

4310 Cameron Ridge Ct-Unit-N

FAIRFAX, VA 22033

Nancy A O'Connor

ACKNOWLEDGMENT

STATE OF Virginia )

)ss.

COUNTY OF Fairfax )

SUBSCRIBED AND SWORN TO before me this 11 day of May, 2000  
2000, by Crestar Bank

My Commission Expires:

Nov. 30, 2003

  
\_\_\_\_\_  
Notary Public

## (

• 1980 •

ay

Sama Estack Shea-Hein

1062 N. Linden  
Hahoo, NE 68066

\_\_\_\_\_

NEBRASKA

)ss.

SUBSCRIBED AND SWORN TO before me this 9th day of May.  
Dana Estlack Shea Heim

4/14/03

Ann E. Halborn



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives; assigns or successors in interest.

EXECUTED this 11th day of May, 2000.

BTA OIL PRODUCERS

Name:

Barry Beal, Jr.

Barry Beal, Jr. - Partner

Address:

104 South Pecos

Midland, Texas 79701

ACKNOWLEDGMENT

STATE OF TEXAS )

)ss.

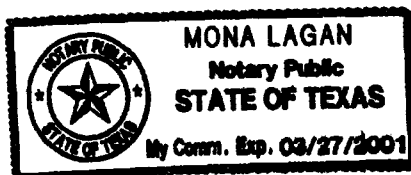
COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 11th day of May, 2000, by Barry Beal, Jr., Partner of BTA Oil Producers, a Texas general partnership.

My Commission Expires:

3/27/2001

Mona Lagan  
Notary Public, State of Texas



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11<sup>th</sup> day of May, 2000.

Name:

Robert M. Key

Address:

P.O. Drawer 22  
Shreveport, La 71161

ACKNOWLEDGMENT

STATE OF Louisiana )  
PARISH ) ss.  
Caddo )  
COUNTY OF Caddo

SUBSCRIBED AND SWORN TO before me this 11<sup>th</sup> day of May,  
2000, by Robert M. Key

My Commission Expires:

**DARLENE K. CONRAD, Notary Public**  
**CADDO PARISH, LOUISIANA**  
**MY COMMISSION IS FOR LIFE**

Darlene K. Conrad  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of May, 2000.

Name:

Lawrence J. Seng

Address:

2517 Lockheed

Midland, TX 79701

ACKNOWLEDGMENT

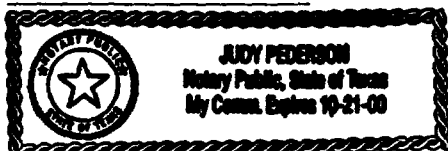
STATE OF TEXAS )

)ss.

COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 12 day of MAY,  
2000, by LAWRENCE J. SENG

My Commission Expires:



Judy Pederson  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 13<sup>th</sup> day of May, 2000.

Name:

Address:

Dorothy Lee Lusk  
P.O. Box 537  
Tesque, N. Mex  
87574

ACKNOWLEDGMENT

STATE OF New Mexico  
COUNTY OF Santa Fe )ss.

SUBSCRIBED AND SWORN TO before me this 13<sup>th</sup> day of May, 2000, by Dorothy L. Lusk.

My Commission Expires:

07-12-2005

[Signature]  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the ~~West Lovington Strawn Unit Area, as Expanded~~, County of ~~Lea~~, State of ~~New Mexico~~, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, 2000.

Name:

Address:

Barbara M. Gallagher  
44 William St.  
Lincoln Park  
07035

ACKNOWLEDGMENT

STATE OF

COUNTY OF

New Jersey )  
 ) ss.  
Passaic )

SUBSCRIBED AND SWORN TO before me this 10 day of May,  
2000, by Barbara Gallagher

My Commission Expires:

GAIL STAGER  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Oct. 18, 2001

Gail Stager  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10th day of May, 2000.

Name:

*Patrick J. Cesarano* REVOCABLE Trust  
*Northern Trust Bank of Florida N.A. Trustee*

Address:

700 Brickell Ave

THOMAS M. RUCKER, CPL/ESA  
VICE PRESIDENT

MIAMI, FL 33131

ACKNOWLEDGMENT

STATE OF TEXAS )

COUNTY OF DALLAS )ss.

SUBSCRIBED AND SWORN TO before me this 10th day of May, 2000, by Thomas M. Rucker

My Commission Expires:



*Carol Pearson*  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11<sup>th</sup> day of May, 2000.

Name:

David A. Hughes

Address:

1014 Forest Glen Dr.  
De Soto, TX 75115

ACKNOWLEDGMENT

STATE OF Texas )  
 )ss.

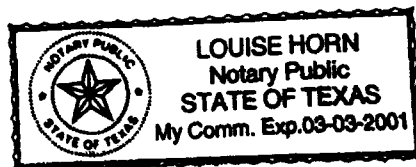
COUNTY OF Dallas )

SUBSCRIBED AND SWORN TO before me this 11 day of May, 2000, by David A. Hughes.

My Commission Expires:

03-03-2001

Loise Horn  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of May, 2000.

Name: Donna Hicks

Address: P.O. Box 38

Clarendon, TX 79226

ACKNOWLEDGMENT

STATE OF Texas )  
 )ss.

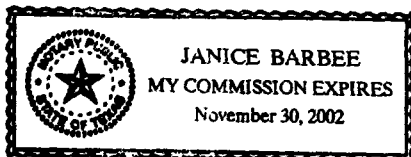
COUNTY OF Donley )

SUBSCRIBED AND SWORN TO before me this 12 day of May,  
2000, by Donna Hicks.

My Commission Expires:

11-30-02

Janice Barbée  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 09th day of may, 2000.

Name: Lillian Ruth Pritchard

Address: 1400 Alamo Road St.  
Deming, N. M. 88030  
(505) 546-3771

ACKNOWLEDGMENT

STATE OF New Mexico )  
 )ss.

COUNTY OF Luna )

SUBSCRIBED AND SWORN TO before me this 09th day of may, 2000, by Lillian Ruth Pritchard.

My Commission Expires:

June 02nd, 2001

Tricia Keeler  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 10 day of MAY, 2000.

Name:

Stanley H. Fox

Address:

2514 LOCKHEED

MIDLAND, TX 79701

ACKNOWLEDGMENT

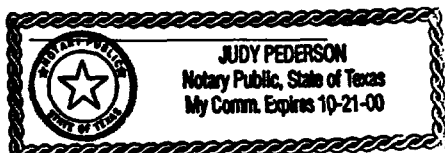
STATE OF TEXAS )

)ss.

COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 10 day of MAY, 2000, by Stanley H. Fox

My Commission Expires:



Judy Pederson  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the ~~West Lovington Strawn Unit Area, as Expanded~~, County of ~~Lea~~, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9<sup>th</sup> day of May, 2000.

Name:

Dorothy TEAGUE

Address:

4712-40<sup>th</sup> Street  
Lubbock Tx 79414-3110

ACKNOWLEDGMENT

STATE OF Texas )

)ss.

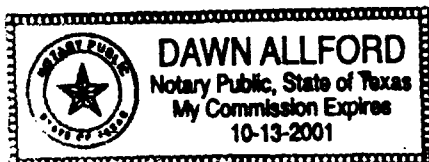
COUNTY OF Lubbock )

SUBSCRIBED AND SWORN TO before me this 9<sup>th</sup> day of May, 2000, by Dorothy Teague

My Commission Expires:

10-13-2001

Dawn Allford  
Notary Public





In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

EXECUTED this 24<sup>th</sup> day of May, 2000.

**Address:**

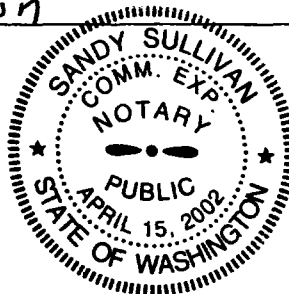
STATE OF Washington )ss.

COUNTY OF King

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Jean Benson.

**My Commission Expires:**

4.15.02



**Notary Public**

## RATIFICATION AND JOINDER OF UNIT AGREEMENT SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8<sup>th</sup> day of May, 2000.

**Name:**

**Address:**

## ACKNOWLEDGMENT

STATE OF

COUNTY OF

SUBSCRIBED AND SWORN TO before me this 8<sup>th</sup> day of May.

2000, by

My Commission Expires:



**Notary Public**

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8 day of May, 2000.

Name:

Paul Edwin Powell

Address:

4159 Steck Ave 125  
Austin, TX 78759

ACKNOWLEDGMENT

STATE OF TEXAS )  
 )ss.

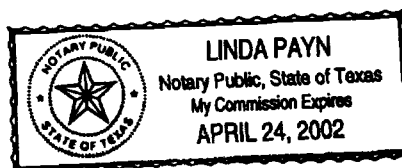
COUNTY OF TRAVIS )

SUBSCRIBED AND SWORN TO before me this 8<sup>th</sup> day of May,  
2000, by Paul Edwin Powell.

My Commission Expires:

April 24, 2002

Linda Payn  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8 day of May, 2000.

Name:

Thomas M. Boyd

Address:

246 Rainbow Dr. #14645

Livingston, Tex.

77399-2046

ACKNOWLEDGMENT

STATE OF

Texas

)ss.

COUNTY OF

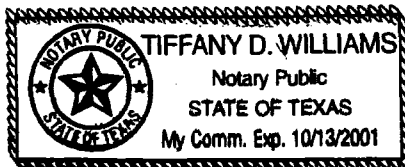
Smith

SUBSCRIBED AND SWORN TO before me this 8 day of May,  
2000, by Thomas Boyd

My Commission Expires:

10-13-01

Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8th day of May, 2000.

Name:

Robert L. Brown

Address:

17 Woodruff Rd  
Edison NJ 08820

ACKNOWLEDGMENT

STATE OF NJ

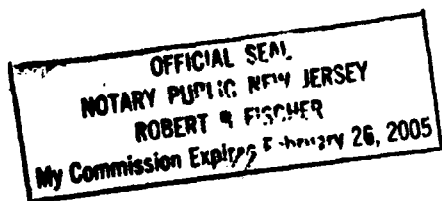
)ss.

COUNTY OF Union

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Robert L. Brown

My Commission Expires:

[Signature]  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9 day of May, 2000.

Name:

Vera Jackson

Address:

902 N Main #36  
San Angelo, Tx  
76903

ACKNOWLEDGMENT

STATE OF

Texas

COUNTY OF

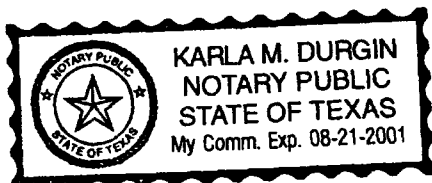
Tom Green ss.

SUBSCRIBED AND SWORN TO before me this 9th day of May, 2000, by Vera Jackson.

My Commission Expires:

8-21-01

Karla M Durgin  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8<sup>th</sup> day of May, 2000.

Name:

Charles S. Slack  
CHARLES T. SLACK

Address:

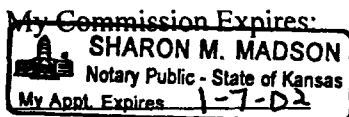
1131 MAUS LN  
Wichita Ks 67212-4222  
459-20-4159

ACKNOWLEDGMENT

STATE OF Kansas )

COUNTY OF Sedgwick ) ss.

SUBSCRIBED AND SWORN TO before me this 8<sup>th</sup> day of May, 2000, by Charles T. Slack.



Sharon M. Madson  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 08<sup>th</sup> day of May, 2000.

Name: Norma L. Boyd  
Address: 2121 73rd St  
Lubbock Texas  
79423

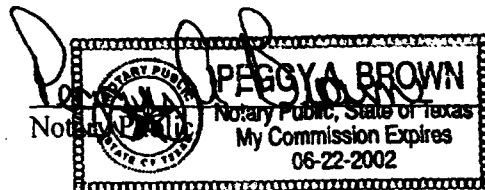
ACKNOWLEDGMENT

STATE OF Texas  
COUNTY OF Lubbock )ss.

SUBSCRIBED AND SWORN TO before me this 08<sup>th</sup> day of May, 2000, by Norma L. Boyd

My Commission Expires:

06/22/02





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8th day of May, 2000.

Name:

Robert H. Harpif

Address:

P.O. Box 218

Midland, Tex. 79702

ACKNOWLEDGMENT

STATE OF Texas )

)ss.

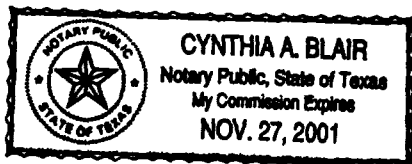
COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Robert H. Harpif

My Commission Expires:

11-27-2001

Cynthia A. Blair  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8<sup>th</sup> day of May, 2000.

Name: F

Address: Phelma E. Gurney  
308 Stone Creek Dr.  
Baerne, Tx. 78006

ACKNOWLEDGMENT

STATE OF Texas

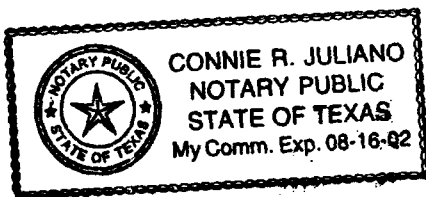
COUNTY OF Kendall<sup>ss.</sup>

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Connie R. Julian

My Commission Expires:

8-16-02

Connie R. Julian  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8<sup>th</sup> day of May, 2000.

Name: Barbara Blackledge  
Address: RT6 Box 534 E  
Hullock, TX 79423

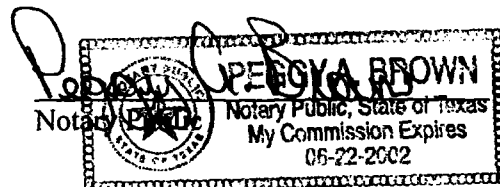
ACKNOWLEDGMENT

STATE OF Texas  
COUNTY OF Hullock )ss.

SUBSCRIBED AND SWORN TO before me this 8<sup>th</sup> day of May, 2000, by Barbara Blackledge

My Commission Expires:

06/22/02



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8<sup>th</sup> day of May, 2000.

Name:

Address:

Dwendolyn F. Dickinson  
Rt 6 Box 534 E  
Lubbock TX  
79423

ACKNOWLEDGMENT

STATE OF

Texas

)ss.

COUNTY OF

Lubbock

2000, by

SUBSCRIBED AND SWORN TO before me this

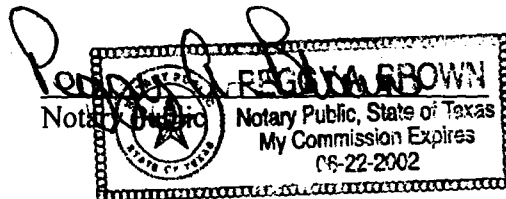
8<sup>th</sup>

day of

May

My Commission Expires:

06/22/02



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 8th day of May, 2000.

Name:

Faye L. Lipsett Klein

Address:

PO Box 1503  
Hobbs, N.M. 88241

ACKNOWLEDGMENT

STATE OF NEW MEXICO )

)ss.

COUNTY OF LEA )

SUBSCRIBED AND SWORN TO before me this 8th day of May, 2000, by Faye L. Lipsett Klein.

My Commission Expires:

1/25/04

Norma Fauszet  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 5 day of May, 2000.

Name:

Teddie D. Shelfer

Address:

4508 SKYLARK

EL Paso, Tex. 79922

ACKNOWLEDGMENT

STATE OF Texas )

)ss.

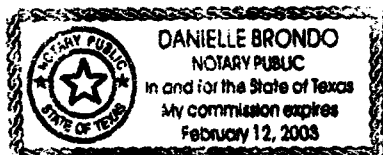
COUNTY OF EL Paso )

SUBSCRIBED AND SWORN TO before me this 5 day of May,  
2000, by Teddie D. Shelfer.

My Commission Expires:

2/12/2003

Danielle Brondo  
Notary Public



## RATIFICATION AND JOINDER OF UNIT AGREEMENT SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 5 day of May, 2000.

Name: Charles W. Boyd  
Address: 6968 S. Madison Way  
Littleton CO. 80122


## ACKNOWLEDGMENT

STATE OF Colorado )  
COUNTY OF Arapahoe )ss.

SUBSCRIBED AND SWORN TO before me this 5 day of May  
2000, by Charles W. Boyd.

**My Commission Expires:**

**My Commission Expires 03/04/2002**

  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 19th day of June, 2000.

Name:

Robert J. Baer

Address:

21423 Park Willow Dr.  
Katy, Tx. 77450

ACKNOWLEDGMENT

STATE OF texas )

)ss.

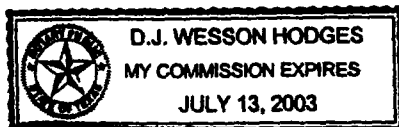
COUNTY OF Harris )

SUBSCRIBED AND SWORN TO before me this 19th day of June,  
2000, by Robert J. Baer

My Commission Expires:

July 13, 2003

D. J. Wesson Hodges  
Notary Public





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15<sup>th</sup> day of May, 2000.

Name:

Dorothy Fuller Lunden

Address:

4304 Harder House Dr.  
Tampa, Florida 33615

ACKNOWLEDGMENT

STATE OF

Florida

COUNTY OF

Pasco )ss.

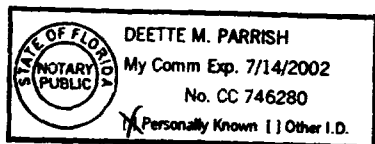
2000, by

SUBSCRIBED AND SWORN TO before me this

15<sup>th</sup> day of May

My Commission Expires:

Deette M. Parrish  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 17 day of May, 2000.

Name:

Barron J. O'Neal

Address:

BARRON J. O'NEAL  
2210 LIN AVE Suite 204  
Shreveport, La 71104

ACKNOWLEDGMENT

STATE OF Louisiana)  
Panghi )ss.  
COUNTY OF Caddo)

SUBSCRIBED AND SWORN TO before me this 17th day of May,  
2000, by Terril L. Brantley

My Commission Expires:

Life

Terril L. Brantley  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 18 day of May, 2000.

Name:

Richard H Power

Address:

PO Box 1212

Lovington NM  
88260

ACKNOWLEDGMENT

STATE OF

New Mexico)

)ss.

COUNTY OF

Lea)

SUBSCRIBED AND SWORN TO before me this 18<sup>th</sup> day of May, 2000, by Richard Power

My Commission Expires:

02-29-2002

Ernesto Arce  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the ~~West Lovington Strawn Unit Area, as Expanded~~, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 17 day of May, 2000.

Name: Barbara Estelak Brock  
Address: P.O. Box 951  
Chester, Ca. 96020

ACKNOWLEDGMENT

STATE OF California  
COUNTY OF Plumas )ss.

SUBSCRIBED AND SWORN TO before me this 17 day of May, 2000, by Barbara Brock.

My Commission Expires:

11/16/03

Michelle Hernandez  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 25 day of May, 2000.

Name:

Mary Kathryn Garrett Noble

Address:

613 PASCO DEL MAR, N.E.,

AIRBULL CREEK, N.M.

87123

ACKNOWLEDGMENT

STATE OF

New Mexico)

)ss.

COUNTY OF

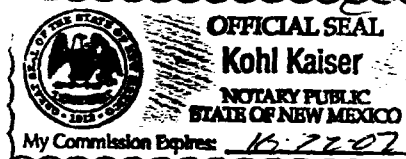
Bernalillo)

SUBSCRIBED AND SWORN TO before me this 25 day of May, 2000, by Mary Kathryn Garrett Noble.

My Commission Expires:

10-22-02

[Signature]  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION


In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 11<sup>TH</sup> day of May, 2000.

Name:

Address:

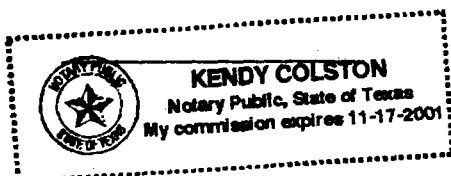
  
George D. Zimmerman  
P.O. Box 80093  
Midland, Texas, 79708


ACKNOWLEDGMENT

STATE OF Texas )  
 )ss.  
COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 11<sup>TH</sup> day of May,  
2000, by George D. Zimmerman

My Commission Expires:



  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 23 day of May, 2000.

Name:

Monty D. McLane

Address:

Monty D. McLane

P. O. Box 9451

Midland, TX 79708

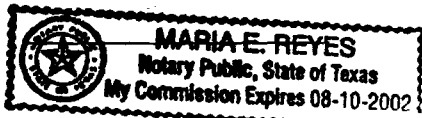
ACKNOWLEDGMENT

STATE OF TEXAS )

COUNTY OF Midland ) ss.

SUBSCRIBED AND SWORN TO before me this 23rd day of May, 2000, by Monty D. McLane.

My Commission Expires:



Maria E. Reyes  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 23 day of MAY, 2000.

Name: BRETT K. BRACKEN  
Address: 4505 Mockingbird Ln  
MIDLAND, TX 79707

ACKNOWLEDGMENT

STATE OF TEXAS )  
 )ss.  
COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 23rd day of May,  
2000, by Brett K. Bracken.

My Commission Expires:  
\_\_\_\_\_

Barbara A. Reid  
Notary Public





RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 25th day of May, 2000.

Wells Fargo Bank New Mexico, N.A., Trustee for  
the Chad L. & Norma B Wiley Trust  
PO Box 5383, Denver, CO 80217-5825

Carolyn Bonde  
Carolyn Bonde,  
Assistant Vice President

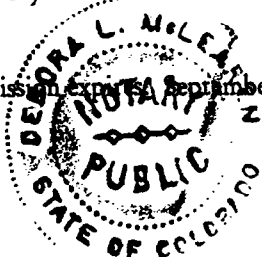
Timothy K. Davies  
Timothy K. Davies,  
Assistant Vice President

State of Colorado    )  
                                  )  
City and County of Denver    )

On this the 25th day of May, 2000, before me personally appeared Timothy K. Davies, Assistant Vice President and Carolyn Bonde, Assistant Vice President, both of Wells Fargo Bank New Mexico, N. A., who are known to me to be the persons whose names are subscribed to the foregoing instrument in the capacity stated, and acknowledged before me they executed the same for the purposes and consideration therein expressed on behalf of Wells Fargo Bank, N. A. by authority of its Board of Directors.

WITNESS my hand and seal this the 23rd day of May, 2000.

My commission expires September 15, 2001



William B. McEachern  
Notary Public  
Address: 633 17th Street, 3rd Floor  
Denver, Colorado 80202

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 24th day of May, 2000.

Name:

Donald R. Curry

Address:

905 Fort Worth Club Building

Fort Worth, Texas 76102

ACKNOWLEDGMENT

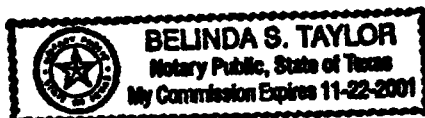
STATE OF TEXAS )

)ss.

COUNTY OF TARRANT )

SUBSCRIBED AND SWORN TO before me this 24th day of May,  
2000, by Donald R. Curry

My Commission Expires:




Belinda S. Taylor  
Notary Public

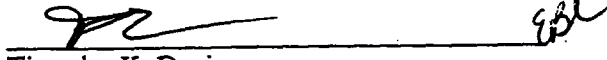
RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

Wells Fargo Bank New Mexico, N.A., Trustee for  
the L. Jay Root Royalty Trust  
PO Box 5383, Denver, CO 80217-5825

  
Carolyn Bonde,  
Assistant Vice President

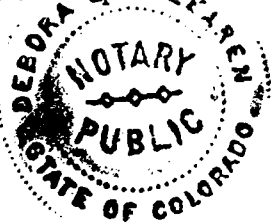
  
Timothy K. Davies,  
Assistant Vice President

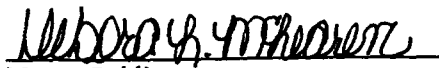
State of Colorado    )  
                                  )  
City and County of Denver    )

On this the 23rd day of May, 2000, before me personally appeared Timothy K. Davies, Assistant Vice President and Carolyn Bonde, Assistant Vice President, both of Wells Fargo Bank New Mexico, N. A., who are known to me to be the persons whose names are subscribed to the foregoing instrument in the capacity stated, and acknowledged before me they executed the same for the purposes and consideration therein expressed on behalf of Wells Fargo Bank, N. A. by authority of its Board of Directors.

WITNESS my hand and seal this the 23rd day of May, 2000.

My commission expires September 15, 2001



  
Notary Public  
Address: 633 17th Street, 3rd Floor  
Denver, Colorado 80202

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 15 day of MAY, 2000.

Name:

JERRY BOYD

Address:

2734 MEADOW TREE LN

SPRING, TEXAS

77388

ACKNOWLEDGMENT

STATE OF TEXAS )

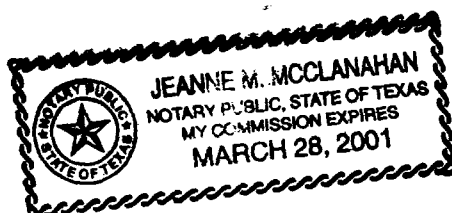
)ss.

COUNTY OF HARRIS )

SUBSCRIBED AND SWORN TO before me this 15 day of MAY,  
2000, by JERRY BOYD

My Commission Expires:

Jeanne McClanahan  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 26 day of May, 2000.

Name:

Katherine L. McDonald Wenig

Address:

1540 245<sup>th</sup> St.

Mt. Pleasant, Mo. 64641-8117

ACKNOWLEDGMENT

STATE OF

Moore

)ss.

COUNTY OF

Henry

SUBSCRIBED AND SWORN TO before me this 26 day of May, 2000, by Katherine L. McDonald Wenig.

My Commission Expires:

01-07-2002

Jeanette L. Dillon  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 26 day of May, 2000.

Name: Audrey J. Shepard  
Address: 4009 Buфф Drive  
Behidene, Ill. 61608

ACKNOWLEDGMENT

STATE OF Illinois  
COUNTY OF Boone )ss.

SUBSCRIBED AND SWORN TO before me this 26th day of May,  
2000, by Audrey J. Shepard.

My Commission Expires:

6/20/03

Phyllis Goltermann  
Notary Public

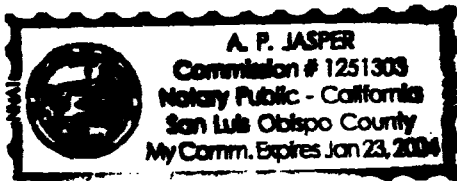


RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 19 day of may, 2000.



Name:

Joan L. Garnett Rine

Address:

2120 Andre Ave  
Los Osos, CA 93402

ACKNOWLEDGMENT

STATE OF California

COUNTY OF San Luis Obispo ss.

SUBSCRIBED AND SWORN TO before me this 19<sup>th</sup> day of May, 2000, by Joan L. Rine

My Commission Expires:

1-23-2004

A. P. Jasper  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 20 day of May, 2000.

Name:

Address:

John Stodwick  
39904 Shoreline  
Harrison Twp., Mich  
48045

ACKNOWLEDGMENT

STATE OF MICHIGAN )  
 )ss.  
COUNTY OF WAYNE )

SUBSCRIBED AND SWORN TO before me this 20th day of May,  
2000, by JOHN STODWICK

My Commission Expires:

**STEVEN A. YEZBACK**  
NOTARY PUBLIC - WAYNE COUNTY, MI  
MY COMMISSION EXPIRES 03/24/06

Notary Public

Steven A. Yezback



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 20 day of May, 2000.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Keith C. Stadnick  
39904 Shoreline Dr.  
Harrison Twp. MI 48045

ACKNOWLEDGMENT

STATE OF MICHIGAN )

)ss.

COUNTY OF WAYNE )

SUBSCRIBED AND SWORN TO before me this 20 day of May,  
2000, by KEITH C. STADNICK

My Commission Expires:

**STEVEN A. YEZBACK**  
NOTARY PUBLIC - WAYNE COUNTY, MI  
MY COMMISSION EXPIRES 06/24/01

\_\_\_\_\_  
Notary Public

**RATIFICATION AND JOINDER OF UNIT AGREEMENT**  
**SECOND EXPANSION**

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 24 day of May, 2000.

Name: Clarence V. Shaffer  
Address: RR 1 BOX 248 A  
SAN ANTONIO, TEXAS 78223-9715

**ACKNOWLEDGMENT**

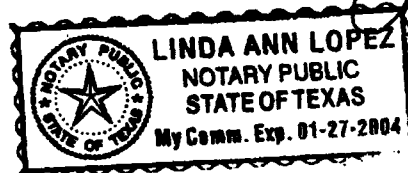
STATE OF Texas )  
 )ss.  
COUNTY OF Bexar )

SUBSCRIBED AND SWORN TO before me this 24 day of May,  
2000, by Clarence V. Shaffer

My Commission Expires:

1-27-2004

Linda Ann Lopez  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 17th day of May, 2000.

TITAN RESOURCES, L.P., BY AND THROUGH  
ITS GENERAL PARTNER, TITAN RESOURCES I, INC.

Name:

Dan P. Colwell, Vice President-Land *JKR*

Address:

500 W. Texas, Suite 200

Midland, Tx 79701

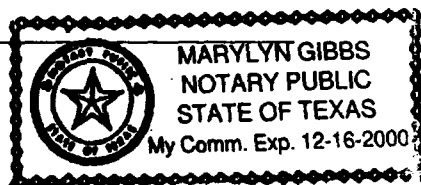
ACKNOWLEDGMENT

STATE OF Texas )

)ss.

COUNTY OF Midland )

SUBSCRIBED AND SWORN TO before me this 17th day of May, 2000, by Dan P. Colwell, Vice President-Land of Titan Resources I, Inc., a Delaware corporation, on behalf of said corporation, as general partner of Titan Resources, L.P., a Texas Limited Partnership.  
My Commission Expires:



Marylyn Gibbs  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 28 day of MAY, 2000.

Name: BETTY LOUISE PIERER  
Address: 66 LAKE SHORE RD. W.  
STOCKHOLM, NJ 07460-1222

ACKNOWLEDGMENT

STATE OF NEW JERSEY  
COUNTY OF SUSSEX )ss.

SUBSCRIBED AND SWORN TO before me this 28 day of May  
2000, by Betty Louise Pierer

My Commission Expires:

Joan H. Lodge  
Notary Public

Joan H Lodge  
State of NJ  
My Commission Expires  
09 03 2003

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 22 day of May, 2000.

Name:

Address:

Drawer 1687

Lovington, NM 88260

ACKNOWLEDGMENT

STATE OF NEW MEXICO )

)ss.

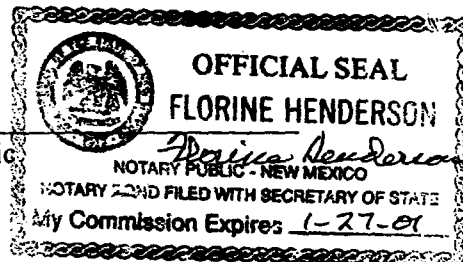
COUNTY OF LEA )

SUBSCRIBED AND SWORN TO before me this 30th day of May, 2000, by June D. Speight dealing in her sole & separate property.

My Commission Expires:

1-27-01

Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 7 day of June, 2000.

Name:

Parallel Petroleum Corporation

Address:

[Signature]

John S. Rutherford Attorney-In-Fact

P.O. Box 10587 Midland, TX 79702

ACKNOWLEDGMENT

STATE OF TEXAS )

)ss.

COUNTY OF MIDLAND )

SUBSCRIBED AND SWORN TO before me this 7th day of June,  
2000, by John S. Rutherford

My Commission Expires:



Diane DePrang Hurst

Notary Public

(Diane DePrang Hurst)

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 9 day of May, 2000.

Name: ROST ENERGY CO.

Address: BOX 5171

PITTSBURGH, PA 15206

David Rost, President

ACKNOWLEDGMENT

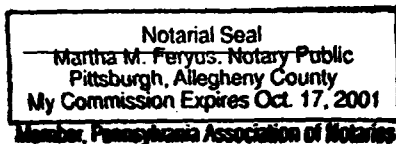
STATE OF Pennsylvania )

)ss.

COUNTY OF Allegheny )

SUBSCRIBED AND SWORN TO before me this 9th day of May, 2000, by David Rost, President, Rost Energy Co.

My Commission Expires:



Martha M. Peryus  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of June, 2000.

Name:

Address:

Heidi Barton

502 E. Hill

Hobbs NM 88400

ACKNOWLEDGMENT

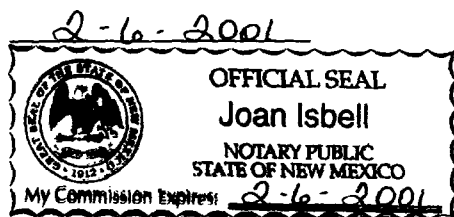
STATE OF NEW MEXICO )

)ss.

COUNTY OF LEA )

SUBSCRIBED AND SWORN TO before me this 12 day of June, 2000, by HEIDI C. BARTON

My Commission Expires:



Joan Isbell  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of June, 2000.

Name:

Roy G. Barton, Jr.

Address:

Roy G. Barton, Jr.

1919 North Turner

Hobbs, NM 88240-2712

ACKNOWLEDGMENT

STATE OF NEW MEXICO )

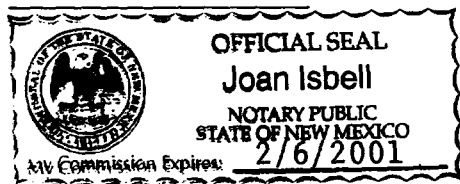
)ss.

COUNTY OF LEA )

SUBSCRIBED AND SWORN TO before me this 12th day of June, 2000, by Roy G. Barton, Jr.

My Commission Expires:

2/6/2001



Joan Isbell  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the **West Lovington Strawn Unit Area, as Expanded**, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 12 day of June, 2000.

Name:

Roy G. Barton, Jr.  
Roy G. Barton, Jr., Trustee of the Roy G. Barton, Sr. & Opal Barton Revocable Trust

Address:

1919 North Turner

Hobbs, NM 88240-2712

ACKNOWLEDGMENT

STATE OF NEW MEXICO )

)ss.

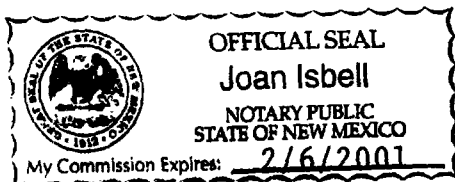
COUNTY OF LEA )

SUBSCRIBED AND SWORN TO before me this 12th day of June, 2000, by Roy G. Barton, Jr., Trustee of the Roy G. Barton, Sr. & Opal Barton Revocable Trust

My Commission Expires:

2/6/2001

Joan Isbell  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 16 day of JUNE, 2000.

Name:

Rickie D. Thompson

Address:

604 W. 37th Place  
Roger Ark

ACKNOWLEDGMENT

STATE OF Arkansas )

)ss.

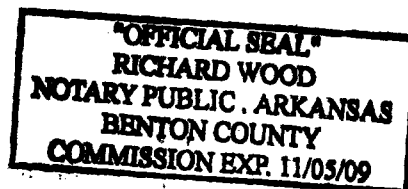
COUNTY OF Benton )

SUBSCRIBED AND SWORN TO before me this 16 day of June,  
2000, by RICKIE D Thompson

My Commission Expires:

11/5/09

Richard Wood  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

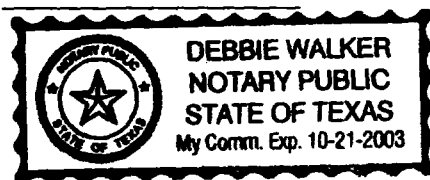
EXECUTED this 20 day of June, 2000. H.P.C. Oil and Gas Corporation  
Carl Brummett, President  
Name: Carl Brummett  
Address: 3300 N. "A" Street  
MIDLAND, TX 79705

ACKNOWLEDGMENT

STATE OF Texas  
COUNTY OF Midland )ss.

SUBSCRIBED AND SWORN TO before me this 20th day of June, 2000, by Carl Brummett as President of H.P.C. Oil and Gas Corporation, a Texas Corporation.  
My Commission Expires:

Debbie Walker  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 21st day of June, 2000.

Name:

Bradford R. Christman

Address:

Box 173  
Wagon Mound N.M. 88452

ACKNOWLEDGMENT

STATE OF

New Mexico

COUNTY OF

Lea ss. Bernalillo

2000, by

SUBSCRIBED AND SWORN TO before me this

21st day of June

My Commission Expires:

3-19-2002

Ida Bell Wilson  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico, in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 19 day of June, 2000.

Name: Teresa Grafton, Vice President  
Address: Bank of America, N.A. Trustee  
of the Marilyn Maxwell Chandler  
Trust  
P.O. Box 830308  
Dallas TX 75283-0308

ACKNOWLEDGMENT

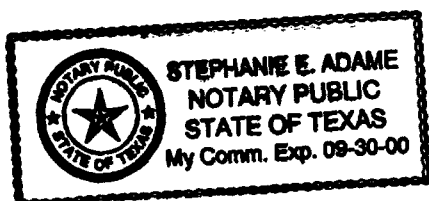
STATE OF TEXAS )  
 )ss.  
COUNTY OF DALLAS )

SUBSCRIBED AND SWORN TO before me this 19<sup>th</sup> day of June,  
2000, by Teresa Grafton, Vice President.

My Commission Expires:

9-30-00

Stephanie E. Adame  
Notary Public



RATIFICATION AND JOINDER OF UNIT AGREEMENT  
SECOND EXPANSION

In consideration of the execution of the Unit Agreement for the Development and Operation of the West Lovington Strawn Unit Area, as Expanded, County of Lea, State of New Mexico; in form approved on behalf of the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owner of lands or leases, Royalty Interests therein, presently held or which may arise under existing option agreements, or other interests in production, consents to the inclusion of said lands and interests within the Expanded Unit and expressly ratifies, approves, and adopts said Unit Agreement, and agrees that the terms of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, and further agrees that the drilling, development, and producing requirements of all leases and other contracts under which his, her, or its several rights and interests are created of defined shall be deemed fully performed by performance of the provisions of said Unit Agreement.

This Ratification and Joinder shall be binding upon the undersigned, and his, her or its heirs, devisees, executors, personal representatives, assigns or successors in interest.

EXECUTED this 19<sup>th</sup> day of JUNE, 2000.

Name: Billie Garrett Lytle  
Address: 24466 C. R. E  
Cortez, Co.  
Billie Lytle

ACKNOWLEDGMENT

STATE OF Colorado )  
 )ss.  
COUNTY OF MONTESUMA )

SUBSCRIBED AND SWORN TO before me this 19<sup>th</sup> day of JUNE, 2000, by BILLIE GARRETT LYTLE.

My Commission Expires:

1-7-2003



Trish Conner  
Notary Public