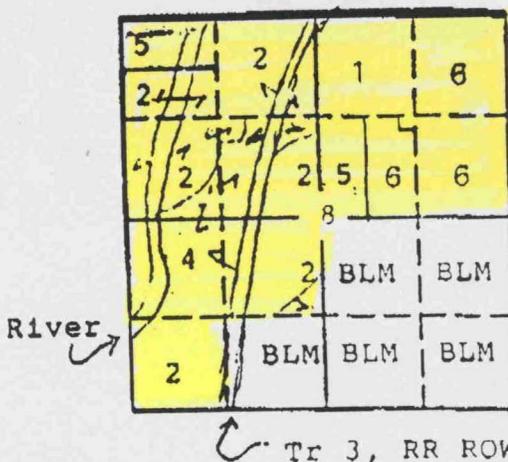


# **TOM MOORE EXHIBITS**

OWNERSHIP REPORT



Prospect: Arch Rock

T31N, R10W, NMPM  
 Sec 8: N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$   
 Containing 440 acres, more or less  
 San Juan County, NM  
 Unless otherwise indicated, below the Mesaverde Formation

This ownership was compiled from a cursory check of the tract index at Guardian Abstract & Title Company in Farmington NM from patent to 3-31-95 (the date of last posting of this index) and the Grantor Grantee index of the San Juan County Clerk and Recorder in Aztec NM 3-31-95 to 5-12-96. This ownership report is limited to the information reviewed in these records.

BROKER: Terry A. Moores DATE: 5-12-96  
 Terry A. Moores

TRACT#	WORKING INTEREST OWNER	%INT	NET REV INT
1.	Amoco Production Company PO Box 800 Denver CO 80201	85.00%	.875 X .85 = .74375 NRI
NW $\frac{1}{4}$ NE $\frac{1}{4}$ & E $\frac{1}{4}$ SWNE 41 ac	Meridian Oil Inc. 2919 Allen Parkway, #900 Houston Tx 77019	15.00%	.875 X .15 = .13125 NRI

Fee Leases:

1 ac in E $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ :  
 B210 P105-Sprott  
 LOR 12.5%

NW $\frac{1}{4}$ NE $\frac{1}{4}$  less RR ROW:  
 B186 P149-McEwen  
 LOR 12.5%

RR ROW in NW $\frac{1}{4}$ NE $\frac{1}{4}$ :  
 B205 P47-Den & Rio G RR Co  
 LOR 12.5%

BEFORE EXAMINER CATANACH  
 OIL CONSERVATION DIVISION

EXHIBIT NO. P

CASE NO. 11809 + 11808

2. NE $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  West of River  
 (a) All that part of the SE $\frac{1}{4}$ NW $\frac{1}{4}$  and NE $\frac{1}{4}$ SW $\frac{1}{4}$  lying East of the RR ROW and desc as follows: Beg at a point where the E line of SE $\frac{1}{4}$ NW $\frac{1}{4}$  crosses a certain sand arroya, thence Westerly along center of said arroya to the intersection of the RR ROW, thence in a Southerly direction along the East line of RR ROW to the intersection of the South line of NE $\frac{1}{4}$ SW $\frac{1}{4}$ , or the North line of the ROW of a public road running along the South line of the NE $\frac{1}{4}$ SW $\frac{1}{4}$ , thence E along said line to a point where the public road turns to a NEasterly course, thence along the North line of said public road to a point of intersection with the E line of NE $\frac{1}{4}$ SW $\frac{1}{4}$ , thence N along

WALTER S. PARKS, CPL  
 SAN JUAN BASIN LAND SERVICES  
 PO BOX 2435  
 DURANGO CO 81302  
 (970) 259-5242

OWNERSHIP REPORT  
 Page 2 of 4

T31N, R10W, NMPM  
 Sec 8: N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$  CONT

(tract 2 cont)  
 the E line of the NE $\frac{1}{4}$ SW $\frac{1}{4}$  and SE $\frac{1}{4}$ NW $\frac{1}{4}$  to the point of beg.

- (b) Beg at the NW corner of SE $\frac{1}{4}$ NW $\frac{1}{4}$ , thence E along the N line of said forty 576 $\frac{1}{2}$  feet to a point, thence in a Southerly direction parallel with the W line of RR ROW 300 feet to a point, thence W to the W line of said forty thence N along W line of said forty 300 feet to point of beginning.  
 All that part of SW $\frac{1}{4}$ NW $\frac{1}{4}$  lying N of the sand arroya and E of the Animas River.  
 All that part of S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  East of Animas River

- (c) All that part of SW $\frac{1}{4}$ NW $\frac{1}{4}$  West of the Animas River.  
 Less the RR ROW as it crosses the E $\frac{1}{4}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$  (9.3 ac) Containing 155.2 acres, more or less

Amoco Production Company PO Box 800 Denver CO 80201	74.375%	.74375 X .875 = .65078125 NRI
Cross Timbers Oil Company, L.P. 810 Houston St, #2000 Fort Worth TX 76102	13.125%	.13125 X .875 = .1148437 NRI
Lee Wayne Moore and JoAnn Montgomery Moore, Trustees Midland TX	6.25%	.875 X .0625 = .0546875 NRI
George William Umbach Las Vegas NV	3.125%	.875 X .03125 = .02734375 NRI
Robert Warren Umbach Farmington NM	3.125%	.875 X .03125 = .02734375 NRI

Fee Leases:  
 NE $\frac{1}{4}$ NW $\frac{1}{4}$   
 B186 P149-McEwen  
 LOR 12.5%

Tract (c) and S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  West of River:  
 B172 P346 corr B210 P61-Brandenburg, O.  
 B172 P348 corr B210 P60-Brandenburg, C.  
 Both above 12.5% LOR

Tract (a):  
 B175 P265-Welk  
 B175 P267-Boyd  
 B175 P304-Whitley  
 B182 P39-Shryrock  
 all 4 above 12.5% LOR

Tract (b):  
 B172 P354-Smith  
 LOR 12.5%

SW $\frac{1}{4}$ SW $\frac{1}{4}$ :  
 B172 P340-Brown  
 B172 P361-Boyd  
 B172 P365-Hottell  
 all 3 above 12.5% LOR

WALTER S. PARKS, CPL  
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 PO BOX 2435  
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OWNERSHIP REPORT  
 Page 3 of 4

T31N,R10W, NMPM  
 Sec 8: N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$  CONT

3. RR ROW as it crosses E $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$  9.3 ac m/1

Amoco Production Company PO Box 800 Denver CO 80201	74.375	.875 X .74375 = .6507812 NRI
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Cross Timbers Oil Company, L.P. 810 Houston St, #2000 Fort Worth TX 76102	13.125%	.875 X .13125 = .1148437 NRI
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Lee Wayne Moore and JoAnn Montgomery Moore, Trustees Midland TX	6.25%	.875 X .0625 = .0546875 NRI
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George William Umbach Las Vegas NV	3.125%	.875 X .03125 = .02734375 NRI
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Robert Warren Umbach Farmington NM	3.125%	.875 X .03125 = .02734375 NRI
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Fee Leases:  
 RR ROW in SW $\frac{1}{4}$ SW $\frac{1}{4}$ :  
 B197 P5-Den & Rio G W RR Co  
 LOR 12.5%

RR ROW in E $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ :  
 B205 P47-Den & Rio G W RR Co  
 LOR 12.5%

4. N $\frac{1}{2}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$  less tracts 2(a), (b), (c) above.  
 Containing 95.5 acres, more or less

Amoco Production Company PO Box 800 Denver CO 80201	100.00%	.875 X 1.0 = .875 NRI
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Fee Lease:  
 B135 P129-Pierce, T.  
 LOR 12.5%

B224 P19-Pierce, L.  
 LOR 12.5%

5. Amoco Production Company N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ , PO Box 800 W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Denver CO 80201 40 ac below Dakota	50.00%	.50 X .665 = .3325NRI
--	--------	--------------------------

Conoco, Inc. PO Box 1267 Ponca City OK	50.00%	.50 X .665 = .3325NRI
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Fee Leases:  
 N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ :  
 B125 P52-Carruthers  
 LOR 12.5%

W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ :  
 B192 P27-Sprott  
 LOR 12.5%

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 SAN JUAN BASIN LAND SERVICES  
 PO BOX 2435  
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OWNERSHIP REPORT  
 Page 4 of 4

T31N, R10W, NMPM  
 Sec 8: N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$  CONT

Overriding Royalty:  
 All below burden both leases above:

B126 P568  
 Moore to Mudge Oil, res 2.5%

B146 P633  
 Mudge to Delhi, res 15% gas, 20% oil to revert to WI if  
 prod falls below 500,000cf gas or 15 bbls oil per day.  
 This ORR is to take effect after payout.

B587 P2  
 Delhi to Tenn. and Conoco, res 5% of net (3.5%)

6. E $\frac{1}{2}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SWNE less 1 ac 99 ac	Amoco Production Company PO Box 800 Denver CO 80201  Meridian Oil Inc. 2919 Allen Parkway, #900 Houston TX 77019  Lee Wayne Moore and JoAnn Montgomery Moore, Trustees Midland TX  George William Umbach Las Vegas NV  Robert Warren Umbach Farmington NM  Fee Lease: B200 P75-Marcotte LOR 12.5%	77.91729%  13.75011%  4.1663%  2.08315%  2.08315%	.7791729 X .875 = .6817762 NRI  .1375011 X .875 = .1203134 NRI  .875 X .041663 = .0364551 NRI  .875 X .0208315 = .0182275 NRI  .875 X .0208315 = .0182275 NRI
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# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 22, 1997

Lee Wayne Moore and  
JoAnn Montgomery Moore  
Trustees of the Moore Loyal Trust,  
U/T/A dated August 20, 1979  
403 N. Marienfield  
Midland, TX 79701

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
EXHIBIT NO.	2
CASE NO.	11808 + 11809

**RE: Acreage Support Proposal  
Deep Penn Test  
T31N, R10W  
T31N, R11W  
Arch Rock Prospect  
San Juan County, New Mexico**

Gentlemen:

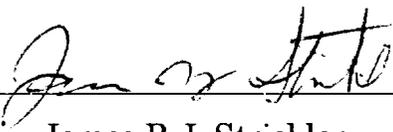
Burlington Resources Oil & Gas Company (Burlington) is in need of your acreage support for a high risk 14,000' Penn test. Mr. Lee Wayne Moore, you acquired your interest in the subject lands in 1955. The Deep Penn was never contemplated in 1955, especially with the possibility of encountering H<sub>2</sub>S and other environmental liabilities. We strongly recommend that you consider a Farmout of the interest as a prudent business decision and limit the Trust's liability. If our efforts bear success then the interest will bring in new revenues to help replace the old production on the subject lands. We solicit your cooperation to allow Burlington to take the risk. Please find enclosed a Farmout Proposal covering your acreage in the subject project. Burlington would also like to offer the following alternatives to a farmout for your consideration:

- 1.) Purchase all your non-productive leasehold rights owned and set forth on the attached Exhibit "A" to the farmout letter. The terms offered are \$100.00 per net acre plus a 5% overriding Royalty ( but in no event delivering less than an 80% Net Revenue Interest Lease) proportionality reduced. The depths covered by an assignment shall include all your rights below the base of the Mesaverde formation. The bonus consideration for your acreage is \$14,927.00 (149.27 Net Acres).
- 2.) Participate with your interest in the drilling and completion of a 14,000' Penn Test with an estimated cost of \$2,316,973.00 (see attached letter with AFE and JOA). The well will be covered by a mutually acceptable AAPL Model Form 610-1982 Operating Agreement with a 400% non-consent penalty and no Preferential Right to Purchase Provision. The JOA shall cover a 640 acre drill block section.

Burlington is hopeful that you will find one of the above offers including the farmout proposal to your satisfaction. As always time is of the essence on putting together this type of prospect. Please respond with your election to one of our proposals within thirty (30) days of your receipt or sooner if possible.

We look forward to hearing from you soon and please don't hesitate to call me at (505) 326-9756 if you should have any questions.

Yours very truly,

By: 

James R.J. Strickler  
Senior Staff Landman

JRS/1  
farm\_mor

\_\_\_\_\_ **Participate for the Moore Loyal Trust proportionate share of a deep test well located in Section 8, T31N-R10W. Please see the attached AFE and Operating Agreement.**

\_\_\_\_\_ **Sell the Moore Loyal Trust interest in the referenced leases below the base of the Mesaverde formation to Burlington Resources for \$100.00 per net acre retaining a 5% overriding royalty interest, proportionately reduced.**

\_\_\_\_\_ **Farmout the Moore Loyal Trust interest in the prospect as outlined on the attached Farmout letter.**

AGREED TO AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 1997.

**LEE WAYNE MOORE AND JOANN MONTGOMERY MOORE,  
TRUSTEES OF THE MOORE LOYAL TRUST, U/T/A dated  
August 20, 1979**

By: \_\_\_\_\_

Name: Lee Wayne Moore, Trustee

By: \_\_\_\_\_

Name: JoAnn Montgomery Moore, Trustee

# **BURLINGTON RESOURCES**

SAN JUAN DIVISION

April 22, 1997

PLEASE RETURN TO  
LAND-FARMINGTON

Lee Wayne Moore and  
JoAnn Montgomery Moore  
Trustees of the Moore Loyal Trust,  
U/T/A dated August 20, 1979  
403 N. Marienfield  
Midland, TX 79701

**RE: Acreage Support Proposal  
Deep Penn Test  
T31N, R10W  
T31N, R11W  
Arch Rock Prospect  
San Juan County, New Mexico**

Gentlemen:

Burlington Resources Oil & Gas Company (Burlington) is in need of your acreage support for a high risk 14,000' Penn test. Mr. Lee Wayne Moore, you acquired your interest in the subject lands in 1955. The Deep Penn was never contemplated in 1955, especially with the possibility of encountering H2S and other environmental liabilities. We strongly recommend that you consider a Farmout of the interest as a prudent business decision and limit the Trust's liability. If our efforts bear success then the interest will bring in new revenues to help replace the old production on the subject lands. We solicit your cooperation to allow Burlington to take the risk. Please find enclosed a Farmout Proposal covering your acreage in the subject project. Burlington would also like to offer the following alternatives to a farmout for your consideration:

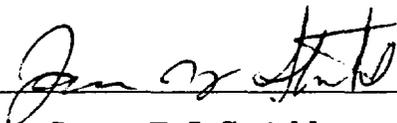
- 1.) Purchase all your non-productive leasehold rights owned and set forth on the attached Exhibit "A" to the farmout letter. The terms offered are \$100.00 per net acre plus a 5% overriding Royalty ( but in no event delivering less than an 80% Net Revenue Interest Lease) proportionality reduced. The depths covered by an assignment shall include all your rights below the base of the Mesaverde formation. The bonus consideration for your acreage is \$14,927.00 (149.27 Net Acres).
- 2.) Participate with your interest in the drilling and completion of a 14,000' Penn Test with an estimated cost of \$2,316,973.00 (see attached letter with AFE and JOA). The well will be covered by a mutually acceptable AAPL Model Form 610-1982 Operating Agreement with a 400% non-consent penalty and no Preferential Right to Purchase Provision. The JOA shall cover a 640 acre drill block section.

Moore Loyal Trust  
April 22, 1997  
Page 2

Burlington is hopeful that you will find one of the above offers including the farmout proposal to your satisfaction. As always time is of the essence on putting together this type of prospect. Please respond with your election to one of our proposals within thirty (30) days of your receipt or sooner if possible.

We look forward to hearing from you soon and please don't hesitate to call me at (505) 326-9756 if you should have any questions.

Yours very truly,

By: 

James R.J. Strickler  
Senior Staff Landman

JRS/ll  
farm\_mor

\_\_\_\_\_ Participate for the Moore Loyal Trust proportionate share of a deep test well located in Section 8, T31N-R10W. Please see the attached AFE and Operating Agreement.

\_\_\_\_\_ Sell the Moore Loyal Trust interest in the referenced leases below the base of the Mesaverde formation to Burlington Resources for \$100.00 per net acre retaining a 5% overriding royalty interest, proportionately reduced.

\_\_\_\_\_ Farmout the Moore Loyal Trust interest in the prospect as outlined on the attached Farmout letter.

AGREED TO AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 1997.

**LEE WAYNE MOORE AND JOANN MONTGOMERY MOORE,  
TRUSTEES OF THE MOORE LOYAL TRUST, U/T/A dated  
August 20, 1979**

By: \_\_\_\_\_

Name: Lee Wayne Moore, Trustee

By: \_\_\_\_\_

Name: JoAnn Montgomery Moore, Trustee

# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 22, 1997

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

EXHIBIT NO. B

CASE NO. 11808 + 11809

Lee Wayne Moore and  
JoAnn Montgomery Moore  
Trustees of the Moore Loyal Trust,  
U/T/A dated August 20, 1979  
403 N. Marienfield  
Midland, TX 79701

**RE: Farmout Letter of Intent  
Sections 3-10, 15-18: T31N, R10W  
Sections 1,2,3,10,11,12,13,14,15,& 23, T31N, R11W  
Arch Rock Prospect  
San Juan County, New Mexico**

Gentlemen:

Burlington Resources Oil & Gas Company (hereinafter referred to as "Burlington") hereby requests that you grant an Farmout Agreement of the interest of the Moore Loyal Trust listed on Exhibit "A" (collectively referred to as "Farmor"), in Sections 3-10, 15-18: T31N, R10W and Sections 1,2,3,10,11,12,13,14,15 & 23: T31N, R11W, San Juan County, New Mexico, insofar as Farmor's interest covers undeveloped depths below the base of the Mesaverde formation (hereinafter referred to as the "Farmout Lands"), on the following terms and conditions:

- 1) On or before January 1, 1998, Burlington will have the right to commence drilling of an Initial Test Well at a legal location in Section 8, T31N, R10W, San Juan County, New Mexico, and drill said Initial Test Well with due diligence to a depth of 14,000', or a depth sufficient to penetrate and test the Pennsylvanian formation, whichever is the lesser depth. Please see the attached Exhibit "A" identifying Farmor's leasehold acreage and ownership in the farmout lands.
- 2) If the Initial Test Well is completed in the Farmout Lands as a commercial producer of oil and/or gas, Burlington will earn an assignment of 100% of Farmor's interest, if any, within the production unit established for the Initial Test Well, reserving to Farmor an overriding royalty equal to 5% of 8/8 on any lease (but in no event delivering less than an 80% net revenue interest), of all oil, gas and other minerals allocated to production from the farmout lease, proportionately reduced.

At payout of said Initial Test Well, Farmor shall have the option to convert the reserved overriding royalty to a 25% working interest proportionately reduced. Burlington shall notify Farmor by mail when payout of the earning well occurs, and Farmor shall have 30 days from receipt of such notice to elect to convert its Overriding Royalty Interest into a Working Interest herein provided or retain its Overriding Royalty Interest.

- 3) In the event the Initial Test Well is drilled in a timely manner set out above, Burlington will earn the right to drill an Option Well at another location within the Farmout Lands, or acreage pooled therewith, within 365 days from the date of drilling rig release on the Initial Test Well, and earn an assignment of Farmor's interest in the Option Well's production unit under the same terms and conditions as for the Initial Test Well. There is a possibility of H<sub>2</sub>S gas which necessitates the building of a treatment plant and appropriate infrastructure to produce a sour Pennsylvanian well. The Option Well to be drilled to the same formation as the Initial Test Well. Burlington is contemplating 640 acre spacing with 1200' set backs from the sections or Unit Lines for Pennsylvanian production.
- 4) Burlington shall have the right and option to earn the remainder of Farmor's leasehold in the Farmout Lands, on a unit by unit basis, under the same terms and conditions as the Initial Test Well by allowing not more than 180 days to elapse between completion of one Option Well and commencement of another Option Well. The 180 day continuous development program shall be extended in the event the BLM and NMOCD, other regulatory agency or force majeure delay the timely issue of permits necessary to drill on the Farmout Lands. The BLM indicates an Environmental Impact Statement (EIS) may be required in the event a successful discovery well is drilled and completed. This possibility may delay the approval of the permits to drill additional wells on the Farmout lands within the original 180 day time frame.

- 5) Burlington agrees to use good field practice and industry standards in the drilling of each well. Burlington further agrees to furnish to Farmor the well data as set out in Farmor's Well Data Requirement Sheet (limited to data scheduled to be obtained in Burlington's drilling and completion program).
- 6) Farmor and Burlington agree to enter into a definitive Farmout Agreement that will 1) describe in more detail the terms and conditions under which Farmor is farming out its lands to Burlington, 2) includes as an exhibit an AAPL Model Form 610-1982 Operating Agreement with a 400% non-consent penalty and no preferential right provision.
- 7) Failure of Burlington to drill the Initial Test Well will result in a forfeiture of Burlington's right to earn an assignment of Farmor's leasehold interest under this Agreement.
- 8) In the event Burlington is unable to reach the intended formation in any Initial Test Well or any Option Well, because further drilling becomes impractical, Burlington may commence to drill a substitute well within 90 days and, if completed as a commercial producer, earn the rights that would have been earned by the well for which it is a substitute.
- 9) Burlington may assign part of any, rights and obligations hereunder to Conoco Inc., but may not assign part of any such interest to any other party without the consent of Farmor.

All operations shall be conducted at Burlington's sole expense and in a proper and workmanlike manner and in accordance with all applicable laws and regulations of the

constituted authorities, and Burlington shall defend, indemnify and hold Farmor and its officers, directors, agents, employees and invitees harmless from all liability for damage (including attorney's fees) to the person (including death) and/or property of all persons arising from Burlington's performance or non-performance of operations conducted hereunder.

If this Farmout Letter of Intent meets with your approval, please execute a copy of same and return to the undersigned within thirty (30) days from the date hereof. Please respond sooner if at all possible to allow us time to overcome the regulatory and logistical hurdles necessary to permit and drill the Initial Test Well. . If you should have any questions concerning our Farmout request, please call me at (505) 326-9756.

Yours very truly,

Burlington Resources Oil & Gas Company

  
James R.J. Strickler  
Senior Staff Landman

JRS/ll  
farm\_mor.doc

AGREED TO AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 1997.

**LEE WAYNE MOORE AND JOANN MONTGOMERY MOORE,  
TRUSTEES OF THE MOORE LOYAL TRUST, U/T/A dated  
August 20, 1979**

By: \_\_\_\_\_  
Name: Lee Wayne Moore, Trustee

By: \_\_\_\_\_  
Name: JoAnn Montgomery Moore, Trustee

EXHIBIT "A"

Fee Lease Summary

DESC	%INT	GR AC	NET AC
T31N, R11W	6.25%	1,278.87	79.929375
Sec 2: SW $\frac{1}{4}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$			
Sec 3: Lot 1, SE $\frac{1}{4}$ NE $\frac{1}{4}$			
Sec 12: NE $\frac{1}{4}$ SE $\frac{1}{4}$			
Sec 14: SE $\frac{1}{4}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$			
Sec 23: SE $\frac{1}{4}$ NE $\frac{1}{4}$			
T31N, R10W			
Sec 4: Pt of L4 and SW $\frac{1}{4}$ NW $\frac{1}{4}$ lying S of Animas River, less:			
(a) RR ROW			
(b) Beg at pt 431.8 feet N of 1/16th corner stone in SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec 4, thence N 1220 feet into Animas River, thence W along River 180 feet, thence S 1325 feet, thence E 180 feet to POB.			
(c) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ "above" Inca Canal			
5: NW $\frac{1}{4}$ SE $\frac{1}{4}$ W of RR ROW, Lot 1 and SE $\frac{1}{4}$ NE $\frac{1}{4}$ N of Animas River, less RR ROW			
6: Lot 1, 6,7, S $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$			
7: Lots 3,4, S $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Pt SE $\frac{1}{4}$ SE $\frac{1}{4}$ E of River			
8: NE $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ W of Animas River, also:			
(a) Pt of SE $\frac{1}{4}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ SW $\frac{1}{4}$ lying E of RR ROW			
(b) Beg at NW corner of SE $\frac{1}{4}$ NW $\frac{1}{4}$ , thence E along N line of said 40, 576 $\frac{1}{2}$ feet to a pt, thence in a Southerly direction parallel with the W line of RR ROW 300 feet to a pt, thence W to W line of said 40, thence N along W line of said 40, 300 fet to POB.			
(c) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ lying N of Sand Arroya and E of Animas River			
(d) Pt of S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ E of Animas River			
(e) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ W of Animas River			
(f) RR ROW as it crosses E $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$			
17: S $\frac{1}{2}$ SE $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$ less RR ROW			
18: Lot 1, NE $\frac{1}{4}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ S of Animas River, NE $\frac{1}{4}$ S & E of River, LESS the following:			
(a) Beg at Center of Sec 18, th N on subdiv line 345 feet to Animas River, th along River N55degE 389 feet to waste ditch of Aztec Ditch, th S80deg15'E along S line of said waste ditch 865 feet to Aztec Ditch, th SW along W line of Aztec Ditch to W line of Aztec-Durango public road, th along W line of said road to pt in S line of NE $\frac{1}{4}$ of Sec 18, th W on subdiv line 735 to POB.			
(b) Tr in NE $\frac{1}{4}$ : Beg at intersec of Aztec Ditch with Aztec-Durango hiway, th NE 513 feet along W line of said hiway th N 106 feet to E line of Aztec Ditch, th along ditch to POB.			
T31N, R10W	3.125%	95.00	2.96875
Sec 5: Lot 3 S& E of River			
T31N, R11W			
Sec 14: SW $\frac{1}{4}$ SW $\frac{1}{4}$			
Sec 23: NW $\frac{1}{4}$ NW $\frac{1}{4}$			
T31N, R10W			
Sec 8: E $\frac{1}{2}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ less 1 ac	4.1663%	139.00	5.791157
Sec 9: NW $\frac{1}{4}$ NW $\frac{1}{4}$			
T31N, R11W			
Sec 1: NE $\frac{1}{4}$ SE $\frac{1}{4}$	6.25%	448.60	28.0375
12: W $\frac{1}{2}$ SW $\frac{1}{4}$			
13: W $\frac{1}{2}$ , 8.6 ac in SW $\frac{1}{4}$ SE $\frac{1}{4}$			
TOTALS		1,961.47	116.726782

**EXHIBIT "A"**  
**Federal Lease Summary**

<b>LEASE #</b>	<b>DESC</b>	<b>GR AC</b>	<b>NET AC</b>
SF-078040-A	T31N, R11W Sec. 01: SW/4, W/2 SE/4, SE/4 SE/4 Sec. 12: E/2 SW/4	360.00	22.50
SF-079269	T31N, R11W Sec. 12: NW/4	<u>160.00</u>	<u>10.00</u>
	<b>TOTALS FOR FEDERAL LEASES</b>	<b>520.00</b>	<b>32.50</b>
	<b>GROSS TOTALS</b>	<b><u>2,481.47</u></b>	<b><u>149.27</u></b>

# **BURLINGTON RESOURCES**

SAN JUAN DIVISION

April 22, 1997

Lee Wayne Moore and  
JoAnn Montgomery Moore  
Trustees of the Moore Loyal Trust,  
U/T/A dated August 20, 1979  
403 N. Marienfield  
Midland, TX 79701

PLEASE RETURN TO  
LAND-FARMINGTON

**RE: Farmout Letter of Intent  
Sections 3-10, 15-18: T31N, R10W  
Sections 1,2,3,10,11,12,13,14,15,& 23, T31N, R11W  
Arch Rock Prospect  
San Juan County, New Mexico**

Gentlemen:

Burlington Resources Oil & Gas Company (hereinafter referred to as "Burlington") hereby requests that you grant an Farmout Agreement of the interest of the Moore Loyal Trust listed on Exhibit "A" (collectively referred to as "Farmor"), in Sections 3-10, 15-18: T31N, R10W and Sections 1,2,3,10,11,12,13,14,15 & 23: T31N, R11W, San Juan County, New Mexico, insofar as Farmor's interest covers undeveloped depths below the base of the Mesaverde formation (hereinafter referred to as the "Farmout Lands"), on the following terms and conditions:

- 1) On or before January 1, 1998, Burlington will have the right to commence drilling of an Initial Test Well at a legal location in Section 8, T31N, R10W, San Juan County, New Mexico, and drill said Initial Test Well with due diligence to a depth of 14,000', or a depth sufficient to penetrate and test the Pennsylvanian formation, whichever is the lesser depth. Please see the attached Exhibit "A" identifying Farmor's leasehold acreage and ownership in the farmout lands.
- 2) If the Initial Test Well is completed in the Farmout Lands as a commercial producer of oil and/or gas, Burlington will earn an assignment of 100% of Farmor's interest, if any, within the production unit established for the Initial Test Well, reserving to Farmor an overriding royalty equal to 5% of 8/8 on any lease (but in no event delivering less than an 80% net revenue interest), of all oil, gas and other minerals allocated to production from the farmout lease, proportionately reduced.

At payout of said Initial Test Well, Farmor shall have the option to convert the reserved overriding royalty to a 25% working interest proportionately reduced. Burlington shall notify Farmor by mail when payout of the earning well occurs, and Farmor shall have 30 days from receipt of such notice to elect to convert its Overriding Royalty Interest into a Working Interest herein provided or retain its Overriding Royalty Interest.

- 3) In the event the Initial Test Well is drilled in a timely manner set out above, Burlington will earn the right to drill an Option Well at another location within the Farmout Lands, or acreage pooled therewith, within 365 days from the date of drilling rig release on the Initial Test Well, and earn an assignment of Farmor's interest in the Option Well's production unit under the same terms and conditions as for the Initial Test Well. There is a possibility of H<sub>2</sub>S gas which necessitates the building of a treatment plant and appropriate infrastructure to produce a sour Pennsylvanian well. The Option Well to be drilled to the same formation as the Initial Test Well. Burlington is contemplating 640 acre spacing with 1200' set backs from the sections or Unit Lines for Pennsylvanian production.
  
- 4) Burlington shall have the right and option to earn the remainder of Farmor's leasehold in the Farmout Lands, on a unit by unit basis, under the same terms and conditions as the Initial Test Well by allowing not more than 180 days to elapse between completion of one Option Well and commencement of another Option Well. The 180 day continuous development program shall be extended in the event the BLM and NMOCD, other regulatory agency or force majeure delay the timely issue of permits necessary to drill on the Farmout Lands. The BLM indicates an Environmental Impact Statement (EIS) may be required in the event a successful discovery well is drilled and completed. This possibility may delay the approval of the permits to drill additional wells on the Farmout lands within the original 180 day time frame.

- 5) Burlington agrees to use good field practice and industry standards in the drilling of each well. Burlington further agrees to furnish to Farmor the well data as set out in Farmor's Well Data Requirement Sheet (limited to data scheduled to be obtained in Burlington's drilling and completion program).
- 6) Farmor and Burlington agree to enter into a definitive Farmout Agreement that will 1) describe in more detail the terms and conditions under which Farmor is farming out its lands to Burlington, 2) includes as an exhibit an AAPL Model Form 610-1982 Operating Agreement with a 400% non-consent penalty and no preferential right provision.
- 7) Failure of Burlington to drill the Initial Test Well will result in a forfeiture of Burlington's right to earn an assignment of Farmor's leasehold interest under this Agreement.
- 8) In the event Burlington is unable to reach the intended formation in any Initial Test Well or any Option Well, because further drilling becomes impractical, Burlington may commence to drill a substitute well within 90 days and, if completed as a commercial producer, earn the rights that would have been earned by the well for which it is a substitute.
- 9) Burlington may assign part of any, rights and obligations hereunder to Conoco Inc., but may not assign part of any such interest to any other party without the consent of Farmor.

All operations shall be conducted at Burlington's sole expense and in a proper and workmanlike manner and in accordance with all applicable laws and regulations of the

constituted authorities, and Burlington shall defend, indemnify and hold Farmor and its officers, directors, agents, employees and invitees harmless from all liability for damage (including attorney's fees) to the person (including death) and/or property of all persons arising from Burlington's performance or non-performance of operations conducted hereunder.

If this Farmout Letter of Intent meets with your approval, please execute a copy of same and return to the undersigned within thirty (30) days from the date hereof. Please respond sooner if at all possible to allow us time to overcome the regulatory and logistical hurdles necessary to permit and drill the Initial Test Well. . If you should have any questions concerning our Farmout request, please call me at (505) 326-9756.

Yours very truly,  
Burlington Resources Oil & Gas Company

  
James R.J. Strickler  
Senior Staff Landman

JRS/11  
farm\_mor.doc

AGREED TO AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 1997.

**LEE WAYNE MOORE AND JOANN MONTGOMERY MOORE,  
TRUSTEES OF THE MOORE LOYAL TRUST, U/T/A dated  
August 20, 1979**

By: \_\_\_\_\_

Name: Lee Wayne Moore, Trustee

By: \_\_\_\_\_

Name: JoAnn Montgomery Moore, Trustee

EXHIBIT "A"

Fee Lease Summary

DESC	%INT	GR AC	NET AC
T31N, R11W	6.25%	1,278.87	79.929375
Sec 2: SW $\frac{1}{4}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$			
Sec 3: Lot 1, SE $\frac{1}{4}$ NE $\frac{1}{4}$			
Sec 12: NE $\frac{1}{4}$ SE $\frac{1}{4}$			
Sec 14: SE $\frac{1}{4}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$			
Sec 23: SE $\frac{1}{4}$ NE $\frac{1}{4}$			
T31N, R10W			
Sec 4: Pt of L4 and SW $\frac{1}{4}$ NW $\frac{1}{4}$ lying S of Animas River, less:			
(a) RR ROW			
(b) Beg at pt 431.8 feet N of 1/16th corner stone in SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec 4, thence N 1220 feet into Animas River, thence W along River 180 feet, thence S 1325 feet, thence E 180 feet to POB.			
(c) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ "above" Inca Canal			
5: NW $\frac{1}{4}$ SE $\frac{1}{4}$ W of RR ROW, Lot 1 and SE $\frac{1}{4}$ NE $\frac{1}{4}$ N of Animas River, less RR ROW			
6: Lot 1, 6,7, S $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$			
7: Lots 3,4, S $\frac{1}{2}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Pt SE $\frac{1}{4}$ SE $\frac{1}{4}$ E of River			
8: NE $\frac{1}{4}$ NW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ W of Animas River, also:			
(a) Pt of SE $\frac{1}{4}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ SW $\frac{1}{4}$ lying E of RR ROW			
(b) Beg at NW corner of SE $\frac{1}{4}$ NW $\frac{1}{4}$ , thence E along N line of said 40, 576 $\frac{1}{2}$ feet to a pt, thence in a Southerly direction parallel with the W line of RR ROW 300 feet to a pt, thence W to W line of said 40, thence N along W line of said 40, 300 feet to POB.			
(c) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ lying N of Sand Arroya and E of Animas River			
(d) Pt of S $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ E of Animas River			
(e) Pt of SW $\frac{1}{4}$ NW $\frac{1}{4}$ W of Animas River			
(f) RR ROW as it crosses E $\frac{1}{2}$ NW $\frac{1}{4}$ , NE $\frac{1}{4}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$			
17: S $\frac{1}{2}$ SE $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$ less RR ROW			
18: Lot 1, NE $\frac{1}{4}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ S of Animas River, NE $\frac{1}{4}$ S & E of River, LESS the following:			
(a) Beg at Center of Sec 18, th N on subdiv line 345 feet to Animas River, th along River N55degE 389 feet to waste ditch of Aztec Ditch, th S80deg15'E along S line of said waste ditch 865 feet to Aztec Ditch, th SW along W line of Aztec Ditch to W line of Aztec-Durango public road, th along W line of said road to pt in S line of NE $\frac{1}{4}$ of Sec 18, th W on subdiv line 735 to POB.			
(b) Tr in NE $\frac{1}{4}$ : Beg at intersec of Aztec Ditch with Aztec-Durango hiway, th NE 513 feet along W line of said hiway th N 106 feet to E line of Aztec Ditch, th along ditch to POB.			
T31N, R10W	3.125%	95.00	2.96875
Sec 5: Lot 3 S & E of River			
T31N, R11W			
Sec 14: SW $\frac{1}{4}$ SW $\frac{1}{4}$			
Sec 23: NW $\frac{1}{4}$ NW $\frac{1}{4}$			
T31N, R10W			
Sec 8: E $\frac{1}{2}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ less 1 ac	4.1663%	139.00	5.791157
Sec 9: NW $\frac{1}{4}$ NW $\frac{1}{4}$			
T31N, R11W			
Sec 1: NE $\frac{1}{4}$ SE $\frac{1}{4}$	6.25%	448.60	28.0375
12: W $\frac{1}{2}$ SW $\frac{1}{4}$			
13: W $\frac{1}{2}$ , 8.6 ac in SW $\frac{1}{4}$ SE $\frac{1}{4}$			
TOTALS		1,961.47	116.726782

**EXHIBIT "A"**  
**Federal Lease Summary**

<b>LEASE #</b>	<b>DESC</b>	<b>GR AC</b>	<b>NET AC</b>
SF-078040-A	T31N, R11W Sec. 01: SW/4, W/2 SE/4, SE/4 SE/4 Sec. 12: E/2 SW/4	360.00	22.50
SF-079269	T31N, R11W Sec. 12: NW/4	<u>160.00</u>	<u>10.00</u>
	<b>TOTALS FOR FEDERAL LEASES</b>	<b>520.00</b>	<b>32.50</b>
	<b>GROSS TOTALS</b>	<b>2,481.47</b>	<b>149.27</b>

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# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 22, 1997

## CERTIFIED MAIL-RETURN RECEIPT

To Working Interest Owners  
(see list below)

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

EXHIBIT NO. 5  
CASE NO. 11808 + 11809

RE: Marcotte #2 Well  
Pennsylvanian formation  
Proposed depth 14,000'  
ALL Section 8, T31N-R10W  
639.78 acres, more or less  
San Juan County, New Mexico

Gentlemen:

Burlington Resources Oil & Gas Company (Burlington) proposed to drill and complete the captioned well in the Pennsylvanian formation. The approximate location is 1540' FSL, 935' FEL (NE/SE) Section 8, T31N-R10W, with a proposed depth of 14,000'. Attached for your consideration and approval is one (1) copy of our Well Cost Estimate to drill and complete the subject well for \$2,316,973.00. Our records indicate the ownership of the well and AFE share to be as follows:

<u>Company</u>	<u>GWI</u>	<u>AFE Share</u>
Burlington	9.310450%	\$ 215,721.00
Conoco Inc.	9.310450%	\$ 215,720.00
Amoco Production Company	68.073400%	\$1,577,242.00
Total Minatome Corp. ✓	4.652200%	\$ 107,790.00
Cross Timbers Oil Co., LP	3.374700%	\$ 78,191.00
Lee Wayne Moore and JoAnn Montgomery Moore, Trustees	2.251700%	\$ 52,171.00
George William Umbach	1.416600%	\$ 32,822.00
Robert Warren Umbach ✓	1.416600%	\$ 32,822.00
Lowell White Family Trust	.048460%	\$ 1,123.00
Walter A. Steele	.048460%	\$ 1,123.00
Estate of G. W. Hannett	.040380%	\$ 936.00
T. G. Cornish	.032300%	\$ 748.00
Patricia Hueter	.008100%	\$ 188.00
Mary Emily Voller	.008100%	\$ 188.00
A. T. Hannett	.008100%	\$ 188.00
	<u>100.000000%</u>	<u>\$2,316,973.00</u>

Working Interest Owners  
April 22, 1997  
Page 2

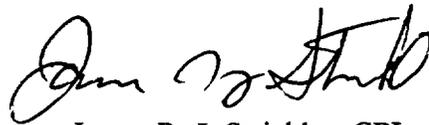
An Operating Agreement is enclosed for your review and approval.

If you wish to participate in the drilling of the above referenced well, please verify your interest and return the following within thirty (30) days to the undersigned:

1. One (1) executed copy of this letter
2. One (1) executed copy of the Well Cost Estimate
3. One (1) executed signature page for the Operating Agreement dated April 1, 1997

Your prompt attention to this proposal is requested as we plan to begin operations in the near future. Please advise in writing if you do not wish to participate.

Very truly yours,



James R. J. Strickler, CPL  
Senior Staff Landman  
(505) 326-9756

JRS:ll

**The undersigned hereby elects this \_\_\_\_\_ day of \_\_\_\_\_, 1997, to participate in and pay its proportionate share of the well costs for the drilling and completion of the Marcotte #2, as correctly shown above.**

**COMPANY/OWNER:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**BURLINGTON RESOURCES**  
 Farmington Region  
 Post Office Box 4289  
 Farmington, New Mexico, 87499  
 (505) 326-9700

**AUTHORITY FOR EXPENDITURE**

AFE No.: \_\_\_\_\_ Property Number: \_\_\_\_\_ Date: 2/20/97

Lease/Well Name: Marcotte #2 DP Number: \_\_\_\_\_

Field Prospect: San Juan Basin Penn Operator: Burlington Resources Region: Farmington

Location: Sec. 8, T31N, R10W County: San Juan State: NM

AFE Type: 1 - New Drill Original: X Supplement: \_\_\_\_\_ Addendum: \_\_\_\_\_ API Well Type: \_\_\_\_\_

Objective Formation: Pennsylvanian Authorized Total Depth (Feet): 14,000'

Project Description: Pennsylvanian test in San Juan Basin - Exploratory well - Arch Rock Prospect

Estimated Start Date: 2rd Qtr 1997

Prepared By: C. E. Lane

Estimated Completion Date: 2rd Qtr 1997

**GROSS WELL DATA**

	Drilling		Workover/ Completion	Construction Facility	Total
	Dry Hole	Suspended			
Days:	<u>58</u>	<u>2</u>	<u>12</u>	<u>0</u>	<u>72</u>
This AFE:	<u>\$1,713,800</u>	<u>\$77,100</u>	<u>\$407,073</u>	<u>\$119,000</u>	<u>\$2,316,973</u>
Prior AFE's:	<u>0</u>				<u>\$0</u>
<b>TOTAL COSTS:</b>	<u>\$1,713,800</u>	<u>\$77,100</u>	<u>\$407,073</u>	<u>\$119,000</u>	<u>\$2,316,973</u>

**JOINT INTEREST OWNERS**

Company:	Working Interest Percent	Dry Hole \$	Completed \$
Burlington Resources:	<u>9.310450%</u>	<u>\$159,562</u>	<u>\$215,721</u>
Trust:	<u>0.00%</u>	<u>0</u>	<u>\$0</u>
:	<u>90.689550%</u>	<u>\$1,554,238</u>	<u>\$2,101,252</u>
<b>AFE TOTAL:</b>	<u>100.00%</u>	<u>\$1,713,800</u>	<u>\$2,316,973</u>

**BURLINGTON RESOURCES APPROVAL**

Approved: [Signature] Approved: \_\_\_\_\_  
 Title: Reg. Dir II Date: 4/10/97 Title: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: [Signature] Approved: [Signature]  
 Title: Manager Date: 4/10/97 Title: Vice Pres. Marcotte Date: 4/10/97

**PARTNER APPROVAL**

Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized By: \_\_\_\_\_ Title: \_\_\_\_\_

Cost Estimate

Well Name: Marcotte #2  
 Location: 1540' FSL, 935' FEL Section 8, T-31-N, R-10-W  
 AFE Type: (02) Exploration  
 Formation: Pennsylvanian  
 Proposed TD: 14,225' Intermediate TD: 3100', 7425' Area Team: Penn  
 Comments: OH Logs 7425' - 12,000': AIT-SP-GR, Micro-SP-GR, Dens-Neut-Cal-GR-SP, Dipole Sonic  
OH Logs 12,000' - 14,225': AIT-SP-GR, Micro-SP-GR, Dens-Neut-Cal-GR-SP, Dipole Sonic, Sidewall Cores

Prepared By: Kurt A. Shipley  
 Date: 2/26/97  
 Approved By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Cost/ft: \$125.90/ft

*Handwritten initials/signature*

Intangible Costs

Account Number	Description	Estimated Days:	Dry Hole	Suspended	Total
			Cost	Cost	Estimated Cost
			58	2	60
248					
03	Location Cost 4.9 Acre location w/ 30" Conductor Pipe.		35,000	0	35,000
05	Move-in, Move-out Move in and move out.		200,000	0	200,000
07	Rig Cost @ \$7000/day.		430,000	15,000	445,000
08	Safety Equipment H2S Monitor 10,500' to TD @ \$600/day.		19,000	1,300	20,300
10	Drilling Fluid LSND, Solids Control, Air Drilling.		137,500	0	137,500
16	Fresh/Salt Water, Fluids		50,000	0	50,000
17	Bits		141,900	0	141,900
18	Cementing HES Cost Estimate.		98,000	17,000	115,000
22	Coring and Analysis Sidewall Core Analysis.		20,000	0	20,000
23	Fuel Air Package Fuel.		22,500	3,000	25,500
25	Rentals BOP: 10 days @ \$500/day, 3-1/2" D.P. + Misc.		18,500	0	18,500
26	Fishing		0	0	0
28	Other Rentals		5,000	0	5,000
29	Transportation		20,000	0	20,000
32	Directional Services		0	0	0
33	Inspection		7,200	0	7,200
34	Logging Services OH Logs, Sidewall Cores, Mud Log.		110,000	0	110,000
36	Production Testing		0	0	0
37	Swabbing, Snubbing, Coiled Tubing		0	0	0
39	Stimulation		0	0	0
43	Consultants		0	0	0
44	Technical Contract Services		0	0	0
45	Roustabout Labor Casing Crews, Welders.		15,000	2,000	17,000
46	Miscellaneous		5,000	0	5,000
49	Packer Rental		0	0	0
53	Environmental Cost		5,000	0	5,000
54	Disposal Cost Trash Baskets, Toilets.		2,000	0	2,000
60	District Tools Company Owned Equipment.		5,000	0	5,000
72	Overhead Rig Days @ \$141/day.		8,500	300	8,800
	<b>Total Intangible Cost</b>		<b>\$1,355,100</b>	<b>\$38,600</b>	<b>\$1,393,700</b>

Tangible Costs

80	Casing	80'	30" Conductor	3,200	315,700	27,500	343,200
		500'	20"	23,000			
		3100'	13-3/8"	86,000			
		7425'	9-5/8"	153,500			
		4775'	7"	50,000			
		2625'	5"	27,500			
81	Tubing				0	0	0
84	Casing & Tubing Equipment				13,000	11,000	24,000
86	Wellhead Equipment		20"X13-3/8"X9-5/8" (10,000 psi)		30,000	0	30,000
	<b>Total Tangible Cost</b>				<b>\$358,700</b>	<b>\$38,500</b>	<b>\$397,200</b>

**Total Cost \$1,713,800 \$77,100 \$1,790,900**

All Costs include tax where applicable.

**Meridian Oil Inc.  
Facilities Estimate**

Well Name: Marcotte #2  
 Location: Sec 8, T31N R10W  
 AFE Type: 01-Exploration  
 Formation: Pennsylvanian

Prepared By: C.E. Lane *CEL*  
 Date: 3/17/97  
 Approved By: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Tangible Costs**

Account Number	Estimated Days:	Total Estimated Cost
247		
02	Labor-Contract, Roustabout, Consultants	15,000
03	Company Vehicles	0
08	Location, Roads & Canals	0
12	Overhead	0
17	Damages, Property Losses	0
20	Equip. Coating and Insulation	0
26	SWD Filtering	0
27	Separators	0
28	Gas Sweetening	0
29	Pumping Units	0
31	Prime Mover	0
32	Tanks	9,500
33	Metering Equipment	15,000
34	Flow Line	0
35	Compressors	0
36	Building	0
39	Flowlines, Piping, Valves & Fittings	11,000
43	Safety	0
44	Technical Contract Svc.	0
47	Rental Compressors & Maintenance	0
48	Rental Equipment	0
49	Cathodic Protection	12,000
50	Right Of Way	2,500
51	Minor Pipelines	0
53	Surface Pumps	0
54	Electrical Accessories	0
55	Miscellaneous-Facility Expense	0
57	Pulling Unit Costs	0
60	Oper. Owned Equip/Facilities	0
62	Env. Compliance-Assessment	0
63	Env. Compliance (Remediation)	0
68	Direct Labor	0
69	Benefits	0
70	Payroll Taxes and Insurance	0
72	Overhead (Contingency 5%)	0
73	Freight/Transportation	0
81	Tubing	0
82	Rods	0
83	Downhole Pumps	0
84	Alternative Artificial Lift Equip.	0
86	Convent Artificial Lift Wellhead Equip.	0
88	Communication Systems	0
95	Employee Meals	0
96	Gas Dehydrator	54,000
<b>Total Facility Cost</b>		<b>119,000</b>

Meridian Oil Inc.  
Completion Estimate

Well Name: Marcotte #2  
Location: 31N-10W-Sec. 8  
AFE Type: New Drill - 01  
Formation: Pennsylvanian

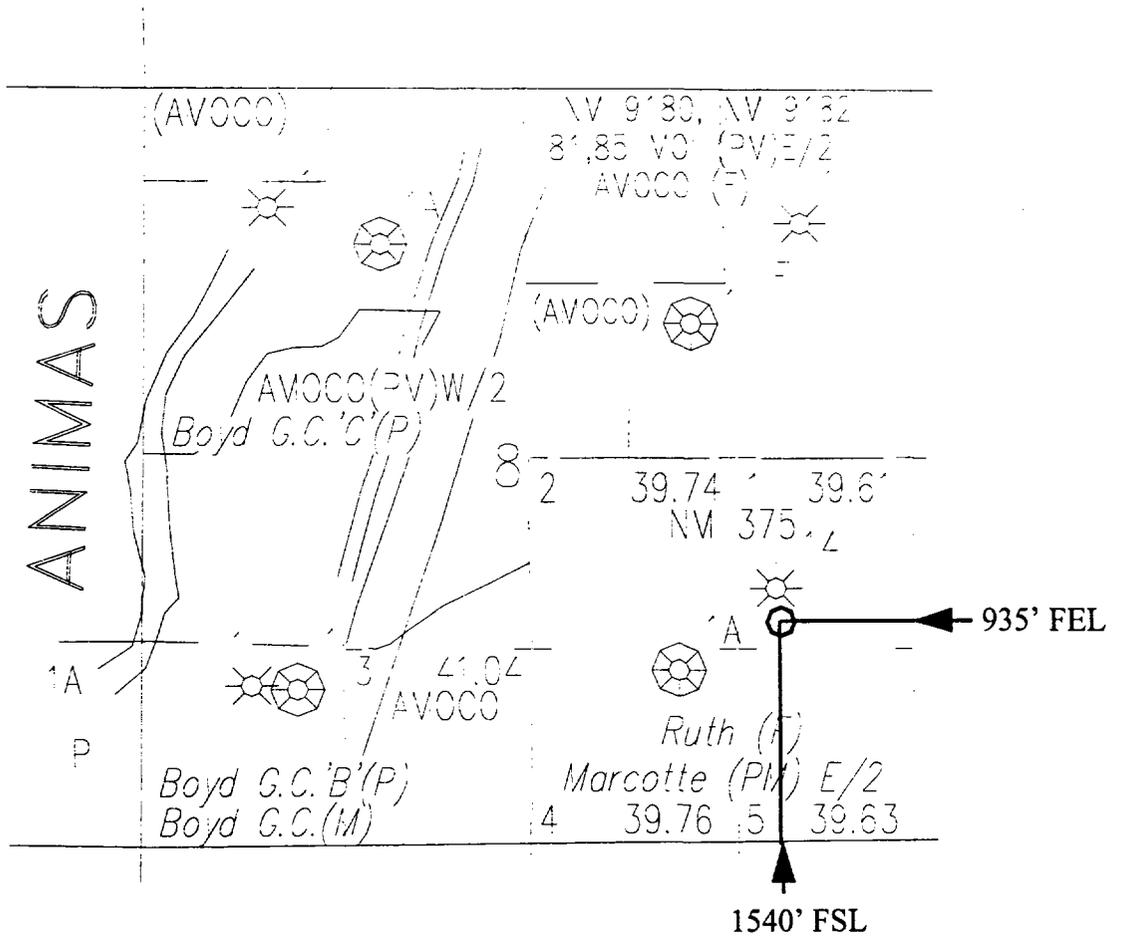
Prepared By: C. E. Lane *C. E. Lane*  
Date: 3/17/97  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

**Intangible Costs**

Account Number	Estimated Days: 15	Total Estimated Cost
249		
02	Location, Roads or Canals	\$100
03	Construction and Maintenance	\$5,000
04	Surface Restoration	\$9,000
05	Move-in, Move-out	\$6,250
06	Fees of Contractor - Footage	\$0
07	Fees of Contractor - Daywork	\$59,950
08	Fire and Safety Equip.	\$8,500
09	Drilling Fluid System - Liquids	
10	Gas and Air Drilling	\$25,000
11		
12	Specialty Fluids and Chemicals	\$500
14	Salt/Brine Water	\$2,500
15	Onsite Disposal Svc.	
16	Fresh Water	\$15,000
17	Bits	\$750
18	Primary Cement & Svc's	\$0
19	Remedial Cementing	\$2,000
23	Fuel / Electricity	\$2,250
24	BOP & Wellhead Rentals(Surface)	\$6,000
25	Drill Work String Rentals	\$1,500
26	Fishing Tool Rentals	\$0
27	Tank Rentals	\$4,000
28	Other Rental	\$3,500
29	Transportation	\$2,250
30	Offsite Disposal Service	
33	Tubular Inspection	\$1,000
34	Cased Hole Services	\$30,000
36	Production Testing	
37	Swabbing & Coiled Tubing	
38	Stimulation	\$10,000
39	Fracturing	\$50,000
40	Casing Crews and Laydown	
41	Gravel Pack/Sand Control	
42	BOP Testing	
43	Consultants	\$10,650
44	Technical Contract Svc.	
45	Roustabout Labor	\$3,000
46	Miscellaneous	\$450
48	Communication Systems	\$500
49	Packer Rental	\$2,200
50	Pumping Charges	
60	Oper. Owned Equip/Facilities	
62	Env. Compliance-Assessment	
63	Env. Compliance (Remediation)	
65	Company Vehicles	
68	Direct Labor	
69	Benefits	
70	Payroll Taxes and Insurance	
72	Company Supervisor	
74	Employee Expense	
79	Employee Meals	
	<b>Total Intangibles</b>	<b>\$261,850</b>
	<b>Tangible Costs</b>	
80	Casing	\$0
81	Tubing and Tiebacks	\$72,223
82	Packers and Bridge Plugs	\$25,000
84	Casing/Liner Equipment	
85	Tubing Equipment	\$3,000
86	Wellhead Equipment & Tree Tbg spool, flange, and tree	\$45,000
	<b>Total Tangibles</b>	<b>\$145,223</b>
	<b>Total Completion Cost</b>	<b>\$407,073</b>

*Burlington Resources*  
 PROPOSED WELL LOCATION

**Marcotte #2**  
**Sec. 8, T31N-R10W**



# BURLINGTON RESOURCES

SAN JUAN DIVISION

RETAIN FOR YOUR  
FILES

April 29, 1997

## CERTIFIED MAIL-RETURN RECEIPT

To Working Interest Owners  
(see attached Exhibit "A")

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
EXHIBIT NO.	T
CASE NO.	11808 + 11809

RE: Scott # 24 Well  
Pennsylvanian formation  
Proposed depth 14,000'  
ALL Section 9, T31N-R10W  
636.01 acres, more or less  
San Juan County, New Mexico

Gentlemen:

Burlington Resources Oil & Gas Company (Burlington) proposed to drill and complete the captioned well in the Pennsylvanian formation at a legal location in the NW/4 (SE/4 NW/4) of Section 9, T31N-R10W, with a proposed depth of 14,000'. Attached for your consideration and approval is one (1) copy of our Well Cost Estimate to drill and complete the subject well for \$2,316,973.00.

The ownership schedule for the subject well is listed on the attached Exhibit "A".

An Operating Agreement is enclosed for your review and approval.

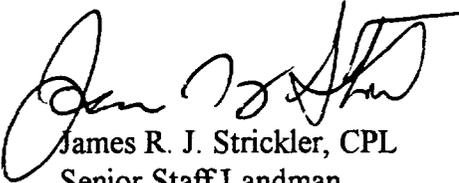
If you wish to participate in the drilling of the above referenced well, please verify your interest and return the following within thirty (30) days to the undersigned:

1. One (1) executed copy of this letter
2. One (1) executed copy of the Well Cost Estimate
3. One (1) executed signature page for the Operating Agreement dated April 1, 1997.

Scott #24 Well  
April 29, 1997  
Page 2

Your prompt attention to this proposal is requested as we plan to begin operations in the near future. Please advise in writing if you do not wish to participate.

Very truly yours,



James R. J. Strickler, CPL  
Senior Staff Landman  
(505) 326-9756

JRS:dg  
scott24

**The undersigned hereby elects this \_\_\_\_\_ day of \_\_\_\_\_, 1997, to participate in and pay its proportionate share of the actual well costs for the drilling and completion of the Scott #24, as correctly shown on Exhibit "A".**

**COMPANY/OWNER:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**BURLINGTON RESOURCES**  
 Farmington Region  
 Post Office Box 4289  
 Farmington, New Mexico, 87499  
 (505) 326-9700

**AUTHORITY FOR EXPENDITURE**

AFE No.: \_\_\_\_\_ Property Number: \_\_\_\_\_ Date: 2/20/97  
 Lease/Well Name: Scott #24 DP Number: \_\_\_\_\_  
 Field Prospect: San Juan Basin Penn Operator: Burlington Resources Region: Farmington  
 Location: Sec. 9, T31N, R10W County: San Juan State: NM  
 AFE Type: 1 - New Drill Original: X Supplement: \_\_\_\_\_ Addendum: \_\_\_\_\_ API Well Type: \_\_\_\_\_  
 Objective Formation: Pennsylvanian Authorized Total Depth (Feet): 14,000'  
 Project Description: Pennsylvanian test in San Juan Basin - Exploratory well - Arch Rock Prospect

Estimated Start Date: 2nd Qtr 1997

Prepared By: C. E. Lane

Estimated Completion Date: 2nd Qtr 1997

**GROSS WELL DATA**

	Drilling		Workover/ Completion	Construction Facility	Total
	Dry Hole	Suspended			
Days:	58	2	12	0	72
This AFE:	\$1,713,800	\$77,100	\$407,073	\$119,000	\$2,316,973
Prior AFE's:	0				\$0
<b>TOTAL COSTS:</b>	\$1,713,800	\$77,100	\$407,073	\$119,000	\$2,316,973

**JOINT INTEREST OWNERS**

Company:	Working Interest Percent	Dry Hole \$	Completed \$
Burlington Resources:	<u>10.311905%</u>	\$ 176,725	\$ 238,924
Trust:	0.00%	0	\$0
Others :	<u>90.689502%</u>	\$1,064,514	\$ 2,101,252
<b>AFE TOTAL:</b>	100.00%	\$1,713,800	\$2,316,973

**BURLINGTON RESOURCES APPROVAL**

Approved: [Signature]  
 Title: Reg. Dir II Date: 4/10/97

Approved: [Signature]  
 Title: Land Manager Date: 4-14-97

Approved: [Signature]  
 Title: Manager Date: 4/10/97

Approved: [Signature]  
 Title: VP of Operations Date: 4/10/97

**PARTNER APPROVAL**

Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized By: \_\_\_\_\_ Title: \_\_\_\_\_

Meridian Oil Inc.  
Completion Estimate

Well Name: Scott #24  
Location: 31N-10W-Sec. 9  
AFE Type: New Drill - 01  
Formation: Pennsylvanian

Prepared By: C. E. Lane  
Date: 3/17/97  
Approved By: \_\_\_\_\_  
Date: \_\_\_\_\_

*C E Lane*

Intangible Costs

Account Number	Estimated Days: 15	Total Estimated Cost
249		
02	Location, Roads or Canals	\$100
03	Construction and Maintenance	\$5,000
04	Surface Restoranon	\$9,000
05	Move-in, Move-out	\$6,250
06	Fees of Contractor - Footage	\$0
07	Fees of Contractor - Daywork	\$59,950
08	Fire and Safety Equip.	\$8,500
09	Drilling Fluid System - Liquids	
10	Gas and Air Drilling	\$25,000
11		
12	Specialty Fluids and Chemicals	\$500
14	Salt/Brine Water	\$2,500
15	Onsite Disposal Svc.	
16	Fresh Water	\$15,000
17	Bits	\$750
18	Primary Cement & Svc's	\$0
19	Remedial Cementing	\$2,000
23	Fuel / Electricity	\$2,250
24	BOP & Wellhead Rentals(Surface)	\$6,000
25	Drill Work String Rentals	\$1,500
26	Fishing Tool Rentals	\$0
27	Tank Rentals	\$4,000
28	Other Rental	\$3,500
29	Transportation	\$2,250
30	Offsite Disposal Service	
33	Tubular Inspection	\$1,000
34	Cased Hole Services	\$30,000
36	Production Testing	
37	Swabbing & Coiled Tubing	
38	Stimulation	\$10,000
39	Fracturing	\$50,000
40	Casing Crews and Laydown	
41	Gravel Pack/Sand Control	
42	BOP Testing	
43	Consultants	\$10,650
44	Technical Contract Svc.	
45	Roustabout Labor	\$3,000
46	Miscellaneous	\$450
48	Communication Systems	\$500
49	Packer Rental	\$2,200
50	Pumping Charges	
60	Oper. Owned Equip/Facilities	
62	Env. Compliance-Assessment	
63	Env. Compliance (Remediation)	
65	Company Vehicles	
68	Direct Labor	
69	Benefits	
70	Payroll Taxes and Insurance	
72	Company Supervisor	
74	Employee Expense	
79	Employee Meals	
	<b>Total Intangibles</b>	<b>\$261,850</b>
	<b>Tangible Costs</b>	
80	Casing	\$0
81	Tubing and Tiebacks	\$72,223
82	Packers and Bridge Plugs	\$25,000
84	Casing/Liner Equipment	
85	Tubing Equipment	\$3,000
86	Wellhead Equipment & Tree Tbg spool, flange, and tree	\$45,000
	<b>Total Tangibles</b>	<b>\$145,223</b>
	<b>Total Completion Cost</b>	<b>\$407,073</b>

**Meridian Oil Inc.  
Facilities Estimate**

Well Name: Scott #24  
 Location: Sec 9, T31N R10W  
 AFE Type: 01-Exploration  
 Formation: Pennsylvanian

Prepared By: C.E. Lane *CEL*  
 Date: 3/17/97  
 Approved By: \_\_\_\_\_  
 Date: \_\_\_\_\_

**Tangible Costs**

<u>Account Number</u>	<u>Estimated Days:</u>	<u>Total Estimated Cost</u>
247		
02	Labor-Contract, Roustabout, Consultants	15,000
03	Company Vehicles	0
08	Location, Roads & Canals	0
12	Overhead	0
17	Damages, Property Losses	0
20	Equip. Coating and Insulation	0
26	SWD Filtering	0
27	Separators	0
28	Gas Sweetening	0
29	Pumping Units	0
31	Prime Mover	0
32	Tanks	9,500
33	Metering Equipment	15,000
34	Flow Line	0
35	Compressors	0
36	Building	0
39	Flowlines, Piping, Valves & Fittings	11,000
43	Safety	0
44	Technical Contract Svc.	0
47	Rental Compressors & Maintenance	0
48	Rental Equipment	0
49	Cathodic Protection	12,000
50	Right Of Way	2,500
51	Minor Pipelines	0
53	Surface Pumps	0
54	Electrical Accessories	0
55	Miscellaneous-Facility Expense	0
57	Pulling Unit Costs	0
60	Oper. Owned Equip/Facilities	0
62	Env. Compliance-Assessment	0
63	Env. Compliance (Remediation)	0
68	Direct Labor	0
69	Benefits	0
70	Payroll Taxes and Insurance	0
72	Overhead (Contingency 5%)	0
73	Freight/Transportation	0
81	Tubing	0
82	Rods	0
83	Downhole Pumps	0
84	Alternative Artificial Lift Equip.	0
86	Convent Artificial Lift Wellhead Equip.	0
88	Communication Systems	0
95	Employee Meals	0
96	Gas Dehydrator	54,000
<b>Total Facility Cost</b>		<b>119,000</b>

## Cost Estimate

Well Name: Scott #24 Prepared By: Kurt A. Shipley *KAS*  
 Location: Section 9 T-31-N. R-10-W Date: 2/26/97  
 AFE Type: (02) Exploration Approved By: \_\_\_\_\_  
 Formation: Pennsylvanian Date: \_\_\_\_\_  
 Proposed TD: 14,225' Intermediate TD: 3100', 7425' Area Team: Penn Cost/ft: \$125.90/ft  
 Comments: OH Logs 7425' - 12,000': AIT-SP-GR. Micro-SP-GR. Dens-Neut-Cal-GR-SP. Dipole Sonic  
OH Logs 12,000' - 14,225': AIT-SP-GR. Micro-SP-GR. Dens-Neut-Cal-GR-SP. Dipole Sonic. Sidewall Cores

## Intangible Costs

Account Number	Description	Estimated Days:	Dry Hole	Suspended	Total
			Cost	Cost	Estimated Cost
		58		2	60
248					
03	Location Cost 4.9 Acre location w/ 30" Conductor Pipe.		35,000	0	35,000
05	Move-in. Move-out Move in and move out.		200,000	0	200,000
07	Rig Cost @ \$7000/day.		430,000	15,000	445,000
08	Safety Equipment H2S Monitor 10,500' to TD @ \$600/day.		19,000	1,300	20,300
10	Drilling Fluid LSND. Solids Control. Air Drilling.		137,500	0	137,500
16	Fresh/Salt Water. Fluids		50,000	0	50,000
17	Bits		141,900	0	141,900
18	Cementing HES Cost Estimate.		98,000	17,000	115,000
22	Coring and Analysis Sidewall Core Analysis.		20,000	0	20,000
23	Fuel Air Package Fuel.		22,500	3,000	25,500
25	Rentals BOP: 10 days @ \$500/day. 3-1/2" D.P. + Misc.		18,500	0	18,500
26	Fishing		0	0	0
28	Other Rentals		5,000	0	5,000
29	Transportation		20,000	0	20,000
32	Directional Services		0	0	0
33	Inspection		7,200	0	7,200
34	Logging Services OH Logs. Sidewall Cores. Mud Log.		110,000	0	110,000
36	Production Testing		0	0	0
37	Swabbing, Snubbing, Coiled Tubing		0	0	0
39	Stimulation		0	0	0
43	Consultants		0	0	0
44	Technical Contract Services		0	0	0
45	Roustabout Labor Casing Crews. Welders.		15,000	2,000	17,000
46	Miscellaneous		5,000	0	5,000
49	Packer Rental		0	0	0
53	Environmental Cost		5,000	0	5,000
54	Disposal Cost Trash Baskets. Toilets.		2,000	0	2,000
60	District Tools Company Owned Equipment.		5,000	0	5,000
72	Overhead Rig Days @ \$141/day.		8,500	300	8,800
	<b>Total Intangible Cost</b>		<b>\$1,355,100</b>	<b>\$38,600</b>	<b>\$1,393,700</b>

## Tangible Costs

80	Casing	80'	30" Conductor	3,200	315,700	27,500	343,200
		500'	20"	23,000			
		3100'	13-3/8"	86,000			
		7425'	9-5/8"	153,500			
		4775'	7"	50,000			
		2625'	5"	27,500			
81	Tubing			0	0	0	0
84	Casing & Tubing Equipment			13,000	11,000		24,000
86	Wellhead Equipment		20"X13-3/8"X9-5/8" (10,000 psi)	30,000	0		30,000
	<b>Total Tangible Cost</b>			<b>\$358,700</b>	<b>\$38,500</b>		<b>\$397,200</b>
	<b>Total Cost</b>			<b>\$1,713,800</b>	<b>\$77,100</b>		<b>\$1,790,900</b>

All Costs include tax where applicable.

SAN JUAN DIVISION

April 29, 1997

**CERTIFIED MAIL-RETURN RECEIPT**

To Working Interest Owners  
(see attached Exhibit "A")

RE: Scott # 24 Well  
Pennsylvanian formation  
Proposed depth 14,000'  
ALL Section 9, T31N-R10W  
636.01 acres, more or less  
San Juan County, New Mexico

Gentlemen:

Burlington Resources Oil & Gas Company (Burlington) proposed to drill and complete the captioned well in the Pennsylvanian formation at a legal location in the NW/4 (SE/4 NW/4) of Section 9, T31N-R10W, with a proposed depth of 14,000'. Attached for your consideration and approval is one (1) copy of our Well Cost Estimate to drill and complete the subject well for \$2,316,973.00.

The ownership schedule for the subject well is listed on the attached Exhibit "A".

An Operating Agreement is enclosed for your review and approval.

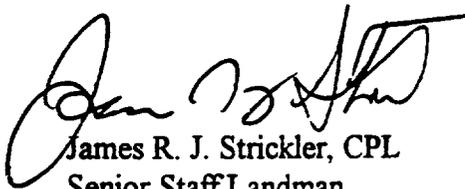
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3. One (1) executed signature page for the Operating Agreement dated April 1, 1997.

Scott #24 Well  
April 29, 1997  
Page 2

Your prompt attention to this proposal is requested as we plan to begin operations in the near future. Please advise in writing if you do not wish to participate.

Very truly yours,



James R. J. Strickler, CPL  
Senior Staff Landman  
(505) 326-9756

JRS:dg  
scott24

**The undersigned hereby elects this \_\_\_\_\_ day of \_\_\_\_\_, 1997, to participate in and pay its proportionate share of the actual well costs for the drilling and completion of the Scott #24, as correctly shown on Exhibit "A".**

**COMPANY/OWNER:** \_\_\_\_\_

**BY:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**BURLINGTON RESOURCES**  
 Farmington Region  
 Post Office Box 4289  
 Farmington, New Mexico, 87499  
 (505) 326-9700

**AUTHORITY FOR EXPENDITURE**

AFE No.: \_\_\_\_\_ Property Number: \_\_\_\_\_ Date: 2/20/97

Lease/Well Name: Scott #24 DP Number: \_\_\_\_\_

Field Prospect: San Juan Basin Penn Operator: Burlington Resources Region: Farmington

Location: Sec. 9, T31N, R10W County: San Juan State: NM

AFE Type: 1 - New Drill Original:  Supplement: \_\_\_\_\_ Addendum: \_\_\_\_\_ API Well Type: \_\_\_\_\_

Objective Formation: Pennsylvanian Authorized Total Depth (Feet): 14,000'

Project Description: Pennsylvanian test in San Juan Basin - Exploratory well - Arch Rock Prospect

Estimated Start Date: 2nd Qtr 1997

Prepared By: C. E. Lane

Estimated Completion Date: 2nd Qtr 1997

**GROSS WELL DATA**

	<u>Drilling</u>		<u>Workover/ Completion</u>	<u>Construction Facility</u>	<u>Total</u>
	<u>Dry Hole</u>	<u>Suspended</u>			
Days:	<u>58</u>	<u>2</u>	<u>12</u>	<u>0</u>	<u>72</u>
This AFE:	<u>\$1,713,800</u>	<u>\$77,100</u>	<u>\$407,073</u>	<u>\$119,000</u>	<u>\$2,316,973</u>
Prior AFE's:	<u>0</u>				<u>\$0</u>
<b>TOTAL COSTS:</b>	<b><u>\$1,713,800</u></b>	<b><u>\$77,100</u></b>	<b><u>\$407,073</u></b>	<b><u>\$119,000</u></b>	<b><u>\$2,316,973</u></b>

**JOINT INTEREST OWNERS**

<u>Company:</u>	<u>Working Interest Percent</u>	<u>Dry Hole \$</u>	<u>Completed \$</u>
Burlington Resources:	<u>10.311905%</u>	<u>\$ 176,725</u>	<u>\$ 238,924</u>
Trust:	<u>0.00%</u>	<u>0</u>	<u>\$0</u>
Others :	<u>90.68950%</u>	<u>\$1,064,514</u>	<u>\$2,101,252</u>
<b>AFE TOTAL:</b>	<b><u>100.00%</u></b>	<b><u>\$1,713,800</u></b>	<b><u>\$2,316,973</u></b>

**BURLINGTON RESOURCES APPROVAL**

Approved: [Signature]  
 Title: Reg. Dir. V Date: 4/10/97

Approved: [Signature]  
 Title: Land Manager Date: 4-14-97

Approved: [Signature]  
 Title: Manager Date: 4/10/97

Approved: [Signature]  
 Title: ... Date: 4/10/97

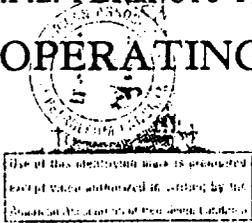
**PARTNER APPROVAL**

Company Name: \_\_\_\_\_ Date: \_\_\_\_\_

Authorized By: \_\_\_\_\_ Title: \_\_\_\_\_

A.A.P.L. FORM 610-1982

MODEL FORM OPERATING AGREEMENT



OPERATING AGREEMENT

DATED

April 1 , 19 97 ,

OPERATOR BURLINGTON RESOURCES OIL & GAS COMPANY

CONTRACT AREA SECTION 9, TOWNSHIP 31 NORTH, RANGE 10 WEST

(LOTS 1 THRU 12, N/2 N/2)

COUNTY ~~OR PARISH~~ OF SAN JUAN STATE OF NEW MEXICO

COPYRIGHT 1982 — ALL RIGHTS RESERVED  
AMERICAN ASSOCIATION OF PETROLEUM  
LANDMEN, 2408 CONTINENTAL LIFE BUILDING,  
FORT WORTH, TEXAS, 76102, APPROVED FORM.  
A.A.P.L. NO. 610 - 1982 REVISED

SCOTT #24 WELL

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## OPERATING AGREEMENT

THIS AGREEMENT, entered into by and between BURLINGTON RESOURCES OIL & GAS COMPANY hereinafter designated and referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein as "Non-Operator", and collectively as "Non-Operators".

## WITNESSETH:

WHEREAS, the parties to this agreement are owners of oil and gas leases and/or oil and gas interests in the land identified in Exhibit "A", and the parties hereto have reached an agreement to explore and develop these leases and/or oil and gas interests for the production of oil and gas to the extent and as hereinafter provided.

NOW, THEREFORE, it is agreed as follows:

ARTICLE I.  
DEFINITIONS

As used in this agreement, the following words and terms shall have the meanings here ascribed to them:

A. The term "oil and gas" shall mean oil, gas, casinghead gas, gas condensate, and all other liquid or gaseous hydrocarbons and other marketable substances produced therewith, unless an intent to limit the inclusiveness of this term is specifically stated.

B. The terms "oil and gas lease", "lease" and "leasehold" shall mean the oil and gas leases covering tracts of land lying within the Contract Area which are owned by the parties to this agreement.

C. The term "oil and gas interests" shall mean unleased fee and mineral interests in tracts of land lying within the Contract Area which are owned by parties to this agreement.

D. The term "Contract Area" shall mean all of the lands, oil and gas leasehold interests and oil and gas interests intended to be developed and operated for oil and gas purposes under this agreement. Such lands, ~~oil and gas leasehold interests and oil and gas interests~~ are described in Exhibit "A".

E. The term "drilling unit" shall mean the area fixed for the drilling of one well by order or rule of any state or federal body having authority. If a drilling unit is not fixed by any such rule or order, a drilling unit shall be the drilling unit as established by the pattern of drilling in the Contract Area or as fixed by express agreement of the Drilling Parties.

F. The term "drillsite" shall mean the oil and gas lease or interest on which a proposed well is to be located.

G. The terms "Drilling Party" and "Consenting Party" shall mean a party who agrees to join in and pay its share of the cost of any operation conducted under the provisions of this agreement.

H. The terms "Non-Drilling Party" and "Non-Consenting Party" shall mean a party who elects not to participate in a proposed operation.

Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural includes the singular, and the neuter gender includes the masculine and the feminine.

ARTICLE II.  
EXHIBITS

The following exhibits, as indicated below and attached hereto, are incorporated in and made a part hereof:

- A. Exhibit "A", shall include the following information:
- (1) Identification of lands subject to this agreement.
  - (2) Restrictions, if any, as to depths, formations, or substances.
  - (3) Percentages or fractional interests of parties to this agreement.
  - (4) ~~Oil and gas leases and/or oil and gas interests subject to this agreement.~~
  - (5) Addresses of parties for notice purposes.
- ~~B. Exhibit "B", Form of Lease.~~
- C. Exhibit "C", Accounting Procedure.
- D. Exhibit "D", Insurance.
- E. Exhibit "E", Gas Balancing Agreement.
- F. Exhibit "F", Non-Discrimination and Certification of Non-Segregated Facilities.
- ~~G. Exhibit "G", Tax Partnership.~~

If any provision of any exhibit, except Exhibits "E" and "G", is inconsistent with any provision contained in the body of this agreement, the provisions in the body of this agreement shall prevail.

ARTICLE III.  
INTERESTS OF PARTIES

~~A. Oil and Gas interests:~~

~~If any party owns an oil and gas interest in the Contract Area, such interest shall be treated for all purposes of this agreement and during the term hereof as if it were covered by the term of oil and gas lease attached hereto as Exhibit "B" and the owner thereof shall be deemed to own both the royalty interest reserved in such lease and the interest of the lessee hereunder.~~

B. Interests of Parties in Costs and Production:

Unless changed by other provisions, all costs and liabilities incurred in operations under this agreement shall be borne and paid, and all equipment and materials acquired in operations on the Contract Area shall be owned, by the parties as their interests are set forth in Exhibit "A". In the same manner, the parties shall also own all production of oil and gas from the Contract Area subject to the payment of royalties to the extent of due, ~~which shall be borne as hereinafter set forth.~~

Regardless of which party has contributed the lease(s) and/or oil and gas interest(s) hereto on which royalty is due and payable, each party entitled to receive a share of production of oil and gas from the Contract Area shall bear and shall pay or deliver, or cause to be paid or delivered, to the extent of its interest in such production, the royalty amount stipulated hereinabove and shall hold the other parties free from any liability therefor. No party shall ever be responsible, however, on a price basis higher than the price received by such party, to any other party's lessor or royalty owner, and if any such other party's lessor or royalty owner should demand and receive settlement on a higher price basis, the party contributing the affected lease shall bear the additional royalty burden attributable to such higher price.

Nothing contained in this Article III.B. shall be deemed an assignment or cross-assignment of interests covered hereby.

C. Excess Royalties, Overriding Royalties and Other Payments:

Unless changed by other provisions, if the interest of any party in any lease covered hereby is subject to any royalty, overriding royalty, production payment or other burden on production in excess of the amount stipulated in Article III.B., such party so burdened shall assume and alone bear all such excess obligations and shall indemnify and hold the other parties hereto harmless from any and all claims and demands for payment asserted by owners of such excess burden.

D. Subsequently Created Interests:

If any party should hereafter create an overriding royalty, production payment or other burden payable out of production attributable to its working interest hereunder, or if such a burden existed prior to this agreement and is not set forth in Exhibit "A", or was not disclosed in writing to all other parties prior to the execution of this agreement by all parties, or is not a jointly acknowledged and accepted obligation of all parties (any such interest being hereinafter referred to as "subsequently created interest" irrespective of the timing of its creation and the party out of whose working interest the subsequently created interest is derived being hereinafter referred to as "burdened party"), and:

1. If the burdened party is required under this agreement to assign or relinquish to any other party, or parties, all or a portion of its working interest and/or the production attributable thereto, said other party, or parties, shall receive said assignment and/or production free and clear of said subsequently created interest and the burdened party shall indemnify and save said other party, or parties, harmless from any and all claims and demands for payment asserted by owners of the subsequently created interest; and,
2. If the burdened party fails to pay, when due, its share of expenses chargeable hereunder, all provisions of Article VII.B. shall be enforceable against the subsequently created interest in the same manner as they are enforceable against the working interest of the burdened party.

ARTICLE IV.  
TITLES

A. Title Examination:

Title examination shall be made on the drillsite of any proposed well prior to commencement of drilling operations or, if the Drilling Parties so request, title examination shall be made on the leases and/or oil and gas interests included, or planned to be included, in the drilling unit around such well. The opinion will include the ownership of the working interest, minerals, royalty, overriding royalty and production payments under the applicable leases. At the time a well is proposed, each party contributing leases and/or oil and gas interests to the drillsite, or to be included in such drilling unit, shall furnish to Operator all abstracts (including federal lease status reports), title opinions, title papers and curative material in its possession free of charge. All such information not in the possession of or made available to Operator by the parties, but necessary for the examination of the title, shall be obtained by Operator. Operator shall cause title to be examined by attorneys on its staff or by outside attorneys. Copies of all title opinions shall be furnished to each party hereto. The cost incurred by Operator in this title program shall be borne as follows:

~~Option No. 1: Costs incurred by Operator in procuring abstracts and title examination (including preliminary, supplemental, shut-in gas royalty opinions and division order title opinions) shall be a part of the administrative overhead as provided in Exhibit "C", and shall not be a direct charge, whether performed by Operator's staff attorneys or by outside attorneys.~~

## ARTICLE IV

continued

1 Option No. 2: Costs incurred by Operator in procuring abstracts and fees paid outside attorneys for title examination  
 2 (including preliminary, supplemental, shut-in gas royalty opinions and division order title opinions) shall be borne by the Drilling Parties  
 3 in the proportion that the interest of each Drilling Party bears to the total interest of all Drilling Parties as such interests appear in Ex-  
 4 hibit "A". Operator shall make no charge for services rendered by its staff attorneys or other personnel in the performance of the above  
 5 functions.

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 7 Each party shall be responsible for securing curative matter and pooling amendments or agreements required in connection  
 8 with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling  
 9 designations or declarations as well as the conduct of hearings before governmental agencies for the securing of spacing or pooling orders.  
 10 This shall not prevent any party from appearing on its own behalf at any such hearing.

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 12 No well shall be drilled on the Contract Area until after (1) the title to the drillsite or drilling unit has been examined as above  
 13 provided, and (2) the title has been approved by the examining attorney or title has been accepted by all of the parties who are to par-  
 14 ticipate in the drilling of the well.

## B. Loss of Title:

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 18 ~~1. Failure of Title: Should any oil and gas interest or lease, or interest therein, be lost through failure of title, which loss results in a  
 19 reduction of interest from that shown on Exhibit "A", the party contributing the affected lease or interest shall have ninety (90) days  
 20 from final determination of title failure to acquire a new lease or other instrument curing the entirety of the title failure, which acquisi-  
 21 tion will not be subject to Article VIII.B., and failing to do so, this agreement, nevertheless, shall continue in force as to all remaining oil  
 22 and gas leases and interests; and.~~

23 ~~(a) The party whose oil and gas lease or interest is affected by the title failure shall bear alone the entire loss and it shall not be  
 24 entitled to recover from Operator or the other parties any development or operating costs which it may have theretofore paid or incurred,  
 25 but there shall be no additional liability on its part to the other parties hereto by reason of such title failure;~~

26 ~~(b) There shall be no retroactive adjustment of expenses incurred or revenues received from the operation of the interest which has  
 27 been lost, but the interests of the parties shall be revised on an acreage basis, as of the time it is determined finally that title failure has oc-  
 28 curred, so that the interest of the party whose lease or interest is affected by the title failure will thereafter be reduced in the Contract  
 29 Area by the amount of the interest lost;~~

30 ~~(c) If the proportionate interest of the other parties hereto in any producing well theretofore drilled on the Contract Area is  
 31 increased by reason of the title failure, the party whose title has failed shall receive the proceeds attributable to the increase in such in-  
 32 terest (less costs and burdens attributable thereto) until it has been reimbursed for unrecovered costs paid by it in connection with such  
 33 well;~~

34 ~~(d) Should any person not a party to this agreement, who is determined to be the owner of any interest in the title which has  
 35 failed, pay in any manner any part of the cost of operation, development, or equipment, such amount shall be paid to the party or parties  
 36 who bore the costs which are so refunded;~~

37 ~~(e) Any liability to account to a third party for prior production of oil and gas which arises by reason of title failure shall be  
 38 borne by the party or parties whose title failed in the same proportions in which they shared in such prior production; and.~~

39 ~~(f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest  
 40 claimed by any party hereto, it being the intention of the parties hereto that each shall defend title to its interest and bear all expenses in  
 41 connection therewith.~~

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 43 ~~2. Loss by Non-Payment or Erroneous Payment of Amount Due: If, through mistake or oversight, any rental, shut-in well  
 44 payment, minimum royalty or royalty payment, is not paid or is erroneously paid, and as a result a lease or interest therein terminates,  
 45 there shall be no monetary liability against the party who failed to make such payment. Unless the party who failed to make the required  
 46 payment secures a new lease covering the same interest within ninety (90) days from the discovery of the failure to make proper payment,  
 47 which acquisition will not be subject to Article VIII.B., the interests of the parties shall be revised on an acreage basis, effective as of the  
 48 date of termination of the lease involved, and the party who failed to make proper payment will no longer be credited with an interest in  
 49 the Contract Area on account of ownership of the lease or interest which has terminated. In the event the party who failed to make the  
 50 required payment shall not have been fully reimbursed, at the time of the loss, from the proceeds of the sale of oil and gas attributable to  
 51 the lost interest, calculated on an acreage basis, for the development and operating costs theretofore paid on account of such interest, it  
 52 shall be reimbursed for unrecovered actual costs theretofore paid by it (but not for its share of the cost of any dry hole previously drilled  
 53 or wells previously abandoned) from so much of the following as is necessary to effect reimbursement:~~

54 ~~(a) Proceeds of oil and gas, less operating expenses, theretofore accrued to the credit of the lost interest, on an acreage basis,  
 55 up to the amount of unrecovered costs;~~

56 ~~(b) Proceeds, less operating expenses, thereafter accrued attributable to the lost interest on an acreage basis, of that portion of  
 57 oil and gas thereafter produced and marketed (excluding production from any wells thereafter drilled) which, in the absence of such lease  
 58 termination, would be attributable to the lost interest on an acreage basis, up to the amount of unrecovered costs, the proceeds of said  
 59 portion of the oil and gas to be contributed by the other parties in proportion to their respective interests; and.~~

60 ~~(c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or becomes, the owner of the interest  
 61 lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.~~

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 63 ~~3. Other Losses: All losses incurred, other than those set forth in Articles IV.B.1. and IV.B.2. above, shall be joint losses  
 64 and shall be borne by all parties in proportion to their interests. There shall be no readjustment of interests in the remaining portion of  
 65 the Contract Area.~~

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ARTICLE V.  
OPERATOR

A. Designation and Responsibilities of Operator:

BURLINGTON RESOURCES OIL & GAS COMPANY shall be the Operator of the Contract Area, and shall conduct and direct and have full control of all operations on the Contract Area as permitted and required by, and within the limits of this agreement. It shall conduct all such operations in a good and workmanlike manner, but it shall have no liability as Operator to the other parties for losses sustained or liabilities incurred, except such as may result from gross negligence or willful misconduct.

B. Resignation or Removal of Operator and Selection of Successor:

1. Resignation or Removal of Operator: Operator may resign at any time by giving written notice thereof to Non-Operators. If Operator terminates its legal existence, no longer owns an interest hereunder in the Contract Area, or is no longer capable of serving as Operator. Operator shall be deemed to have resigned without any action by Non-Operators, except the selection of a successor. Operator may be removed if it fails or refuses to carry out its duties hereunder, or becomes insolvent, bankrupt or is placed in receivership, by the affirmative vote of two (2) or more Non-Operators owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of Operator. Such resignation or removal shall not become effective until 7:00 o'clock A.M. on the first day of the calendar month following the expiration of ninety (90) days after the giving of notice of resignation by Operator or action by the Non-Operators to remove Operator, unless a successor Operator has been selected and assumes the duties of Operator at an earlier date. Operator, after effective date of resignation or removal, shall be bound by the terms hereof as a Non-Operator. A change of a corporate name or structure of Operator or transfer of Operator's interest to any single subsidiary, parent or successor corporation shall not be the basis for removal of Operator.

2. Selection of Successor Operator: Upon the resignation or removal of Operator, a successor Operator shall be selected by the parties. The successor Operator shall be selected from the parties owning an interest in the Contract Area at the time such successor Operator is selected. The successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A"; provided, however, if an Operator which has been removed fails to vote or votes only to succeed itself, the successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of the Operator that was removed.

C. Employees:

The number of employees used by Operator in conducting operations hereunder, their selection, and the hours of labor and the compensation for services performed shall be determined by Operator, and all such employees shall be the employees of Operator.

D. Drilling Contracts:

All wells drilled on the Contract Area shall be drilled on a competitive contract basis at the usual rates prevailing in the area. If it so desires, Operator may employ its own tools and equipment in the drilling of wells, but its charges therefor shall not exceed the prevailing rates in the area and the rate of such charges shall be agreed upon by the parties in writing before drilling operations are commenced, and such work shall be performed by Operator under the same terms and conditions as are customary and usual in the area in contracts of independent contractors who are doing work of a similar nature.

ARTICLE VI.  
DRILLING AND DEVELOPMENT

A. Initial Well:

On or before the 1st day of January, 1998, Operator shall commence the drilling of a well for oil and gas at the following location:

**Section 9, T31N-R10W  
San Juan County, New Mexico**

and shall thereafter continue the drilling of the well with due diligence to

**14,000' or depth sufficient to test the Pennsylvanian formation,  
whichever is the lesser depth**

unless granite or other practically impenetrable substance or condition in the hole, which renders further drilling impractical, is encountered at a lesser depth, or unless all parties agree to complete or abandon the well at a lesser depth.

Operator shall make reasonable tests of all formations encountered during drilling which give indication of containing oil and gas in quantities sufficient to test, unless this agreement shall be limited in its application to a specific formation or formations, in which event Operator shall be required to test only the formation or formations to which this agreement may apply.

## ARTICLE VI

## continued

1 If, in Operator's judgment, the well will not produce oil or gas in paying quantities, and it wishes to plug and abandon the  
2 well as a dry hole, the provisions of Article VI.E.1. shall thereafter apply.  
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6 B. Subsequent Operations:  
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8 1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area other than the well provided  
9 for in Article VI.A., or to rework, deepen or plug back a dry hole drilled at the joint expense of all parties or a well jointly owned by all  
10 the parties and not then producing in paying quantities, the party desiring to drill, rework, deepen or plug back such a well shall give the  
11 other parties written notice of the proposed operation, specifying the work to be performed, the location, proposed depth, objective informa-  
12 tion and the estimated cost of the operation. The parties receiving such a notice shall have thirty (30) days after receipt of the notice  
13 within which to notify the party wishing to do the work whether they elect to participate in the cost of the proposed operation. If a drill-  
14 ing rig is on location, notice of a proposal to rework, plug back or drill deeper may be given by telephone and the response period shall be  
15 limited to forty-eight (48) hours, exclusive of Saturday, Sunday and legal holidays. Failure of a party receiving such notice to reply within  
16 the period above fixed shall constitute an election by that party not to participate in the cost of the proposed operation. Any notice or  
17 response given by telephone shall be promptly confirmed in writing.  
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21 If all parties elect to participate in such a proposed operation, Operator shall, within ninety (90) days after expiration of the notice  
22 period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is on loca-  
23 tion, as the case may be), actually commence the proposed operation and complete it with due diligence at the risk and expense of all par-  
24 ties hereto; provided, however, said commencement date may be extended upon written notice of same by Operator to the other parties,  
25 for a period of up to thirty (30) additional days if, in the sole opinion of Operator, such additional time is reasonably necessary to obtain  
26 permits from governmental authorities, surface rights (including rights-of-way) or appropriate drilling equipment, or to complete title ex-  
27 aminations or curative matter required for title approval or acceptance. Notwithstanding the force majeure provisions of Article XI, if the  
28 actual operation has not been commenced within the time provided (including any extension thereof as specifically permitted herein) and  
29 if any party hereto still desires to conduct said operation, written notice proposing same must be resubmitted to the other parties in accor-  
30 dance with the provisions hereof as if no prior proposal had been made.  
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34 2. Operations by Less than All Parties: If any party receiving such notice as provided in Article VI.B.1. or VII.D.1. (Option  
35 No. 2) elects not to participate in the proposed operation, then, in order to be entitled to the benefits of this Article, the party or parties  
36 giving the notice and such other parties as shall elect to participate in the operation shall, within ninety (90) days after the expiration of  
37 the notice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is  
38 on location, as the case may be) actually commence the proposed operation and complete it with due diligence. Operator shall perform all  
39 work for the account of the Consenting Parties; provided, however, if no drilling rig or other equipment is on location, and if Operator is  
40 a Non-Consenting Party, the Consenting Parties shall either: (a) request Operator to perform the work required by such proposed opera-  
41 tion for the account of the Consenting Parties, or (b) designate one (1) of the Consenting Parties as Operator to perform such work. Con-  
42 senting Parties, when conducting operations on the Contract Area pursuant to this Article VI.B.2., shall comply with all terms and con-  
43 ditions of this agreement.  
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47 If less than all parties approve any proposed operation, the proposing party, immediately after the expiration of the applicable  
48 notice period, shall advise the Consenting Parties of the total interest of the parties approving such operation and its recommendation as  
49 to whether the Consenting Parties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48) hours  
50 (exclusive of Saturday, Sunday and legal holidays) after receipt of such notice, shall advise the proposing party of its desire to (a) limit par-  
51 ticipation to such party's interest as shown on Exhibit "A" or (b) carry its proportionate part of Non-Consenting Parties' interests, and  
52 failure to advise the proposing party shall be deemed an election under (a). In the event a drilling rig is on location, the time permitted for  
53 such a response shall not exceed a total of forty-eight (48) hours (inclusive of Saturday, Sunday and legal holidays). The proposing party,  
54 at its election, may withdraw such proposal if there is insufficient participation and shall promptly notify all parties of such decision.  
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58 The entire cost and risk of conducting such operations shall be borne by the Consenting Parties in the proportions they have  
59 elected to bear same under the terms of the preceding paragraph. Consenting Parties shall keep the leasehold estates involved in such  
60 operations free and clear of all liens and encumbrances of every kind created by or arising from the operations of the Consenting Parties.  
61 If such an operation results in a dry hole, the Consenting Parties shall plug and abandon the well and restore the surface location at their  
62 sole cost, risk and expense. If any well drilled, reworked, deepened or plugged back under the provisions of this Article results in a pro-  
63 ducer of oil and/or gas in paying quantities, the Consenting Parties shall complete and equip the well to produce at their sole cost and risk.  
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## ARTICLE VI

## continued

1 and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Parties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties in accordance with the provisions of this Article, each Non-Consenting Party shall be deemed to have relinquished to Consenting Parties and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting Party's interest in the well and share of production therefrom until the proceeds of the sale of such share, calculated at the well, or market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other interests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest until it reverts) shall equal the total of the following:

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12 (a) 100% of each such Non-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead connections (including, but not limited to, stock tanks, separators, treaters, pumping equipment and piping), plus 100% of each such Non-Consenting Party's share of the cost of operation of the well commencing with first production and continuing until each such Non-Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that each Non-Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-Consenting Party had it participated in the well from the beginning of the operations; and

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21 (b) 400 % of that portion of the costs and expenses of drilling, reworking, deepening, plugging back, testing and completing, after deducting any cash contributions received under Article VIII.C., and 400 % of that portion of the cost of newly acquired equipment in the well (to and including the wellhead connections), which would have been chargeable to such Non-Consenting Party if it had participated therein.

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28 An election not to participate in the drilling or the deepening of a well shall be deemed an election not to participate in any re-working or plugging back operation proposed in such a well, or portion thereof, to which the usual Non-Consent election applied that is conducted at any time prior to full recovery by the Consenting Parties of the Non-Consenting Party's recoupment amount. Any such reworking or plugging back operation conducted during the recoupment period shall be deemed part of the previous non-consent operation on said well and shall be added to the sums to be recouped by the Consenting Parties. If such a reworking or plugging back operation is proposed during such recoupment period, the provisions of this Article VI.B. shall be applicable as between said Consenting Parties in said well. Similarly, an election not to participate in the completion or plugging back of a well shall be deemed an election not to participate in a reworking operation proposed in such well, or portion thereof, to which the non-consent election applied, that is conducted at any time prior to full recovery by Consenting Parties of the Non-Consenting Party's recoupment amount.

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39 During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share of production, or the proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other taxes, and all royalty, overriding royalty and other burdens applicable to Non-Consenting Party's share of production not excepted by Article III.D.

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46 In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free of cost, all casing, tubing and other equipment in the well, but the ownership of all such equipment shall remain unchanged; and upon abandonment of a well after such reworking, plugging back or deeper drilling, the Consenting Parties shall account for all such equipment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.

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53 Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the Consenting Parties shall furnish each Non-Consenting Party with an inventory of the equipment in and connected to the well, and an itemized statement of the cost of drilling, deepening, plugging back, testing, completing, and equipping the well for production; or, at its option, the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed statement of monthly billings. Each month thereafter, during the time the Consenting Parties are being reimbursed as provided above, the party conducting the operations for the Consenting Parties shall furnish the Non-Consenting Parties with an itemized statement of all costs and liabilities incurred in the operation of the well, together with a statement of the quantity of oil and gas produced from it and the amount of proceeds realized from the sale of the well's working interest production during the preceding month. In determining the quantity of oil and gas produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as above provided; and if there is a credit balance, it shall be paid to such Non-Consenting Party.

**ARTICLE VI**  
continued

1 If and when the Consenting Parties recover from a Non-Consenting Party's relinquished interest the amounts provided for above.  
2 the relinquished interests of such Non-Consenting Party shall automatically revert to it, and, from and after such reversion, such Non-  
3 Consenting Party shall own the same interest in such well, the material and equipment in or pertaining thereto, and the production  
4 therefrom as such Non-Consenting Party would have been entitled to had it participated in the drilling, reworking, deepening or plugging  
5 back of said well. Thereafter, such Non-Consenting Party shall be charged with and shall pay its proportionate part of the further costs of  
6 the operation of said well in accordance with the terms of this agreement and the Accounting Procedure attached hereto.

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10 Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the mutual consent of all parties, no wells shall  
11 be completed in or produced from a source or supply from which a well located elsewhere on the Contract Area is producing, unless such  
12 well conforms to the then-existing well spacing pattern for such source of supply.

13  
14  
15  
16 The provisions of this Article shall have no application whatsoever to the drilling of the initial well described in Article VI.A.  
17 except (a) as to Article VII.D.1. (Option No. 2), if selected, or (b) as to the reworking, deepening and plugging back of such initial well  
18 after it has been drilled to the depth specified in Article VI.A. if it shall thereafter prove to be a dry hole or, if initially completed for pro-  
19 duction, ceases to produce in paying quantities.

20  
21  
22  
23 3. Stand-By Time: When a well which has been drilled or deepened has reached its authorized depth and all tests have been  
24 completed, and the results thereof furnished to the parties, stand-by costs incurred pending response to a party's notice proposing a  
25 reworking, deepening, plugging back or completing operation in such a well shall be charged and borne as part of the drilling or deepening  
26 operation just completed. Stand-by costs subsequent to all parties responding, or expiration of the response time permitted, whichever  
27 first occurs, and prior to agreement as to the participating interests of all Consenting Parties pursuant to the terms of the second gram-  
28 maatical paragraph of Article VI.B.2., shall be charged to and borne as part of the proposed operation, but if the proposal is subsequently  
29 withdrawn because of insufficient participation, such stand-by costs shall be allocated between the Consenting Parties in the proportion  
30 each Consenting Party's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all Consenting Par-  
31 ties.

32  
33  
34  
35 4. Sidetracking: Except as hereinafter provided, those provisions of this agreement applicable to a "Deepening" operation shall  
36 also be applicable to any proposal to directionally control and intentionally deviate a well ~~from its original~~ so as to change the bottom hole  
37 location (herein called "sidetracking"), unless done to straighten the hole or to drill around junk in the hole or because of other  
38 mechanical difficulties. Any party having the right to participate in a proposed sidetracking operation that does not own an interest in the  
39 affected well bore at the time of the notice shall, upon electing to participate, tender to the well bore owners its proportionate share (equal  
40 to its interest in the sidetracking operation) of the value of that portion of the existing well bore to be utilized as follows:

41  
42  
43  
44 (a) If the proposal is for sidetracking an existing dry hole, reimbursement shall be on the basis of the actual costs incurred in  
45 the initial drilling of the well down to the depth at which the sidetracking operation is initiated.

46  
47  
48  
49 (b) If the proposal is for sidetracking a well which has previously produced, reimbursement shall be on the basis of the well's  
50 salvable materials and equipment down to the depth at which the sidetracking operation is initiated, determined in accordance with the  
51 provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning.

52  
53  
54  
55 In the event that notice for a sidetracking operation is given while the drilling rig to be utilized is on location, the response period  
56 shall be limited to forty-eight (48) hours, exclusive of Saturday, Sunday and legal holidays; provided, however, any party may request and  
57 receive up to eight (8) additional days after expiration of the forty-eight (48) hours within which to respond by paying for all stand-by time  
58 incurred during such extended response period. If more than one party elects to take such additional time to respond to the notice, stand-  
59 by costs shall be allocated between the parties taking additional time to respond on a day-to-day basis in the proportion each electing par-  
60 ty's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all the electing parties. In all other in-  
61 stances the response period to a proposal for sidetracking shall be limited to thirty (30) days.

62  
63  
64  
65 **C. TAKING PRODUCTION IN KIND:**

66  
67 Each party shall take in kind or separately dispose of its proportionate share of all oil and gas produced from the Contract Area,  
68 exclusive of production which may be used in development and producing operations and in preparing and treating oil and gas for  
69 marketing purposes and production unavoidably lost. Any extra expenditure incurred in the taking in kind or separate disposition by any  
70 party of its proportionate share of the production shall be borne by such party. Any party taking its share of production in kind shall be

## ARTICLE VI

## continued

1 required to pay for only its proportionate share of such part of Operator's surface facilities which it uses.

2  
3 Each party shall execute such division orders and contracts as may be necessary for the sale of its interest in production from  
4 the Contract Area, and, except as provided in Article VII.B., shall be entitled to receive payment directly from the purchaser thereof for  
5 its share of oil production.

6  
7 In the event any party shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of  
8 the oil produced from the Contract Area, Operator shall have the right, subject to the revocation at will by the party owning it, but not  
9 the obligation, to purchase such oil or sell it to others at any time and from time to time, for the account of the non-taking party at the  
10 best price obtainable in the area for such production. Any such purchase or sale by Operator shall be subject always to the right of the  
11 owner of the production to exercise at any time its right to take in kind, or separately dispose of, its share of oil not previously  
12 delivered to a purchaser. Any purchase or sale by Operator of any other party's share of oil shall be only for such reasonable periods of  
13 time as are consistent with the minimum needs of the industry under the particular circumstances, but in no event for a period in excess  
14 of one (1) year.

15  
16 In the event one or more parties' separate disposition of its share of the gas causes split-stream deliveries to separate pipelines and/or  
17 deliveries which on a day-to-day basis for any reason are not exactly equal to a party's respective proportionate share of total gas sales to  
18 be allocated to it, the balancing or accounting between the respective accounts of the parties shall be in accordance with any gas balancing  
19 agreement between the parties hereto, whether such an agreement is attached as Exhibit "E", or is a separate agreement.

20  
21 **D. Access to Contract Area and Information:**

22 upon prior notification to the Operator  
23 Each party shall have access to the Contract Area at all reasonable times, at its sole cost and risk to inspect or observe operations,  
24 and shall have access at reasonable times to information pertaining to the development or operation thereof, including Operator's books  
25 and records relating thereto. Operator, upon request, shall furnish each of the other parties with copies of all forms or reports filed with  
26 governmental agencies, daily drilling reports, well logs, tank tables, daily gauge and run tickets and reports of stock on hand at the first of  
27 each month, and shall make available samples of any cores or cuttings taken from any well drilled on the Contract Area. The cost of  
28 gathering and furnishing information to Non-Operator, other than that specified above, shall be charged to the Non-Operator that re-  
29 quests the information. During drilling, completion, and workover operations, access shall be limited to  
30 only those personnel directly involved in performing the actual work.

31 **E. Abandonment of Wells:**

32  
33 1. Abandonment of Dry Holes: Except for any well drilled or deepened pursuant to Article VI.B.2., any well which has been  
34 drilled or deepened under the terms of this agreement and is proposed to be completed as a dry hole shall not be plugged and abandoned  
35 without the consent of all parties. Should Operator, after diligent effort, be unable to contact any party, or should any party fail to reply  
36 within forty-eight (48) hours (exclusive of Saturday, Sunday and legal holidays) after receipt of notice of the proposal to plug and abandon  
37 such well, such party shall be deemed to have consented to the proposed abandonment. All such wells shall be plugged and abandoned in  
38 accordance with applicable regulations and at the cost, risk and expense of the parties who participated in the cost of drilling or deepening  
39 such well. Any party who objects to plugging and abandoning such well shall have the right to take over the well and conduct further  
40 operations in search of oil and/or gas subject to the provisions of Article VI.B.

41  
42 2. Abandonment of Wells that have Produced: Except for any well in which a Non-Consent operation has been conducted  
43 hereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a  
44 producer shall not be plugged and abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall  
45 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within  
46 thirty (30) days after receipt of notice of the proposed abandonment of any well, all parties do not agree to the abandonment of such well,  
47 those wishing to continue its operation from the interval(s) of the formation(s) then open to production shall tender to each of the other  
48 parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of  
49 Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. Each abandoning party shall assign  
50 the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and  
51 material, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the in-  
52 terval or intervals of the formation or formations then open to production. If the interest of the abandoning party is or includes an oil and  
53 gas interest, such party shall execute and deliver to the non-abandoning party or parties an oil and gas lease, limited to the interval or in-  
54 terval of the formation or formations then open to production, for a term of one (1) year and so long thereafter as oil and/or gas is pro-  
55 duced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit

## ARTICLE VI

continued

1 ~~and~~. The assignments or leases so limited shall encompass the "drilling unit" upon which the well is located. The payments by, and the  
 2 assignments or leases to, the assignees shall be in a ratio based upon the relationship of their respective percentage of participation in the  
 3 Contract Area to the aggregate of the percentages of participation in the Contract Area of all assignees. There shall be no readjustment of  
 4 interests in the remaining portion of the Contract Area.  
 5

6 Thereafter, abandoning parties shall have no further responsibility, liability, or interest in the operation of or production from  
 7 the well in the interval or intervals then open other than the royalties retained in any lease made under the terms of this Article. Upon re-  
 8 quest, Operator shall continue to operate the assigned well for the account of the non-abandoning parties at the rates and charges con-  
 9 templated by this agreement, plus any additional cost and charges which may arise as the result of the separate ownership of the assigned  
 10 well. Upon proposed abandonment of the producing interval(s) assigned or leased, the assignor or lessor shall then have the option to  
 11 repurchase its prior interest in the well (using the same valuation formula) and participate in further operations therein subject to the pro-  
 12 visions hereof.  
 13

14 3. Abandonment of Non-Consent Operations: The provisions of Article VI.E.1. or VI.E.2. above shall be applicable as between  
 15 Consenting Parties in the event of the proposed abandonment of any well excepted from said Articles; provided, however, no well shall be  
 16 permanently plugged and abandoned unless and until all parties having the right to conduct further operations therein have been notified  
 17 of the proposed abandonment and afforded the opportunity to elect to take over the well in accordance with the provisions of this Article  
 18 VI.E.  
 19

## ARTICLE VII.

## EXPENDITURES AND LIABILITY OF PARTIES

## A. Liability of Parties:

22  
 23  
 24  
 25 The liability of the parties shall be several, not joint or collective. Each party shall be responsible only for its obligations, and  
 26 shall be liable only for its proportionate share of the costs of developing and operating the Contract Area. Accordingly, the liens granted  
 27 among the parties in Article VII.B. are given to secure only the debts of each severally. It is not the intention of the parties to create, nor  
 28 shall this agreement be construed as creating, a mining or other partnership or association, or to render the parties liable as partners.  
 29

## B. Liens and Payment Defaults:

30  
 31  
 32 Each Non-Operator grants to Operator a lien upon its oil and gas rights in the Contract Area, and a security interest in its share  
 33 of oil and/or gas when extracted and its interest in all equipment, to secure payment of its share of expense, together with interest thereon  
 34 at the rate provided in Exhibit "C". To the extent that Operator has a security interest under the Uniform Commercial Code of the  
 35 state, Operator shall be entitled to exercise the rights and remedies of a secured party under the Code. The bringing of a suit and the ob-  
 36 taining of judgment by Operator for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien  
 37 rights or security interest as security for the payment thereof. In addition, upon default by any Non-Operator in the payment of its share  
 38 of expense, Operator shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from  
 39 the sale of such Non-Operator's share of oil and/or gas until the amount owed by such Non-Operator, plus interest, has been paid. Each  
 40 purchaser shall be entitled to rely upon Operator's written statement concerning the amount of any default. Operator grants a like lien  
 41 and security interest to the Non-Operators to secure payment of Operator's proportionate share of expense.  
 42

43 If any party fails or is unable to pay its share of expense within sixty (60) days after rendition of a statement therefor by  
 44 Operator, the non-defaulting parties, including Operator, shall, upon request by Operator, pay the unpaid amount in the proportion that  
 45 the interest of each such party bears to the interest of all such parties. Each party so paying its share of the unpaid amount shall, to obtain  
 46 reimbursement thereof, be subrogated to the security rights described in the foregoing paragraph.  
 47

## C. Payments and Accounting:

48  
 49  
 50 Except as herein otherwise specifically provided, Operator shall promptly pay and discharge expenses incurred in the development  
 51 and operation of the Contract Area pursuant to this agreement and shall charge each of the parties hereto with their respective propor-  
 52 tionate shares upon the expense basis provided in Exhibit "C". Operator shall keep an accurate record of the joint account hereunder,  
 53 showing expenses incurred and charges and credits made and received.  
 54

55 Operator, at its election, shall have the right from time to time to demand and receive from the other parties payment in advance  
 56 of their respective shares of the estimated amount of the expense to be incurred in operations hereunder during the next succeeding  
 57 month, which right may be exercised only by submission to each such party of an itemized statement of such estimated expense, together  
 58 with an invoice for its share thereof. Each such statement and invoice for the payment in advance of estimated expense shall be submitted  
 59 on or before the 20th day of the next preceding month. Each party shall pay to Operator its proportionate share of such estimate within  
 60 fifteen (15) days after such estimate and invoice is received. If any party fails to pay its share of said estimate within said time, the amount  
 61 due shall bear interest as provided in Exhibit "C" until paid. Proper adjustment shall be made monthly between advances and actual ex-  
 62 pense to the end that each party shall bear and pay its proportionate share of actual expenses incurred, and no more.  
 63

## D. Limitation of Expenditures:

64  
 65  
 66 1. Drill or Deepen: Without the consent of all parties, no well shall be drilled or deepened, except any well drilled or deepened  
 67 pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the drilling or deepening shall include:  
 68  
 69  
 70

## ARTICLE VII

continued

~~Option No. 1: All necessary expenditures for the drilling or deepening, testing, completing and equipping of the well, including necessary tankage and/or surface facilities.~~

Option No. 2: All necessary expenditures for the drilling or deepening and testing of the well. When such well has reached its authorized depth, and all tests have been completed, and the results thereof furnished to the parties, Operator shall give immediate notice to the Non-Operators who have the right to participate in the completion costs. The parties receiving such notice shall have forty-eight (48) hours (exclusive of Saturday, Sunday and legal holidays) in which to elect to participate in the setting of casing and the completion attempt. Such election, when made, shall include consent to all necessary expenditures for the completing and equipping of such well, including necessary tankage and/or surface facilities. Failure of any party receiving such notice to reply within the period above fixed shall constitute an election by that party not to participate in the cost of the completion attempt. If one or more, but less than all of the parties, elect to set pipe and to attempt a completion, the provisions of Article VI.B.2. hereof (the phrase "reworking, deepening or plugging back" as contained in Article VI.B.2. shall be deemed to include "completing") shall apply to the operations thereafter conducted by less than all parties.

2. Rework or Plug Back: Without the consent of all parties, no well shall be reworked or plugged back except a well reworked or plugged back pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the reworking or plugging back of a well shall include all necessary expenditures in conducting such operations and completing and equipping of said well, including necessary tankage and/or surface facilities.

3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated to require an expenditure in excess of Twenty Five Thousand & no/100 Dollars (\$ 25,000.00) except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other parties. ~~If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting an information copy thereof for any single project costing in excess of \_\_\_\_\_ Dollars to \_\_\_\_\_ but less than the amount first set forth above in this paragraph.~~

## E. Rentals, Shut-in Well Payments and Minimum Royalties:

Rentals, shut-in well payments and minimum royalties which may be required under the terms of any lease shall be paid by the party or parties who subjected such lease to this agreement at its or their expense. In the event two or more parties own and have contributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on behalf of all such parties. Any party may request, and shall be entitled to receive, proper evidence of all such payments. In the event of failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such payment is required to continue the lease in force, any loss which results from such non-payment shall be borne in accordance with the provisions of Article IV.B.2.

Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shutting in or return to production of a producing gas well, at least five (5) days (excluding Saturday, Sunday and legal holidays), or at the earliest opportunity permitted by circumstances, prior to taking such action, but assumes no liability for failure to do so. In the event of failure by Operator to so notify Non-Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments of any shut-in well payment shall be borne jointly by the parties hereto under the provisions of Article IV.B.3.

## F. Taxes:

Beginning with the first calendar year after the effective date hereof, Operator shall render for ad valorem taxation all property subject to this agreement which by law should be rendered for such taxes, and it shall pay all such taxes assessed thereon before they become delinquent. Prior to the rendition date, each Non-Operator shall furnish Operator information as to burdens (to include, but not be limited to, royalties, overriding royalties and production payments) on leases and oil and gas interests contributed by such Non-Operator. If the assessed valuation of any leasehold estate is reduced by reason of its being subject to outstanding excess royalties, overriding royalties or production payments, the reduction in ad valorem taxes resulting therefrom shall inure to the benefit of the owner or owners of such leasehold estate, and Operator shall adjust the charge to such owner or owners so as to reflect the benefit of such reduction. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding anything to the contrary herein, charges to the joint account shall be made and paid by the parties hereto in accordance with the tax value generated by each party's working interest. Operator shall bill the other parties for their proportionate shares of all tax payments in the manner provided in Exhibit "C".

If Operator considers any tax assessment improper, Operator may, at its discretion, protest within the time and manner prescribed by law, and prosecute the protest to a final determination, unless all parties agree to abandon the protest prior to final determination. During the pendency of administrative or judicial proceedings, Operator may elect to pay, under protest, all such taxes and any interest and penalty. When any such protested assessment shall have been finally determined, Operator shall pay the tax for the joint account, together with any interest and penalty accrued, and the total cost shall then be assessed against the parties, and be paid by them, as provided in Exhibit "C".

Each party shall pay or cause to be paid all production, severance, excise, gathering and other taxes imposed upon or with respect to the production or handling of such party's share of oil and/or gas produced under the terms of this agreement.

## ARTICLE VII

## continued

## 1 G. Insurance:

2  
3 At all times while operations are conducted hereunder, Operator shall comply with the workmen's compensation law of  
4 the state where the operations are being conducted; provided, however, that Operator may be a self-insurer for liability under said com-  
5 pensation laws in which event the only charge that shall be made to the joint account shall be as provided in Exhibit "C". Operator shall  
6 also carry or provide insurance for the benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a part  
7 hereof. Operator shall require all contractors engaged in work on or for the Contract Area to comply with the workmen's compensation  
8 law of the state where the operations are being conducted and to maintain such other insurance as Operator may require.

9  
10 In the event automobile public liability insurance is specified in said Exhibit "D", or subsequently receives the approval of the  
11 parties, no direct charge shall be made by Operator for premiums paid for such insurance for Operator's automotive equipment.

## ARTICLE VIII.

## ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST

## 16 A. Surrender of Leases:

17  
18 The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall not be surrendered in whole  
19 or in part unless all parties consent thereto.

20  
21 However, should any party desire to surrender its interest in any lease or in any portion thereof, and the other parties do not  
22 agree or consent thereto, the party desiring to surrender shall assign, without express or implied warranty of title, all of its interest in  
23 such lease, or portion thereof, and any well, material and equipment which may be located thereon and any rights in production  
24 thereafter secured, to the parties not consenting to such surrender. ~~If the interest of the assigning party is or includes an oil and gas in-~~  
25 ~~terest, the assigning party shall execute and deliver to the party or parties not consenting to such surrender an oil and gas lease covering~~  
26 ~~such oil and gas interest for a term of one (1) year and so long thereafter as oil and/or gas is produced from the land covered thereby, such~~  
27 ~~lease to be on the form attached hereto as Exhibit "B".~~ Upon such assignment or lease, the assigning party shall be relieved from all  
28 obligations thereafter accruing, but not theretofore accrued, with respect to the interest assigned or leased and the operation of any well  
29 attributable thereto, and the assigning party shall have no further interest in the assigned or leased premises and its equipment and pro-  
30 duction other than the royalties retained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the  
31 party assignor or lessor the reasonable salvage value of the latter's interest in any wells and equipment attributable to the assigned or leas-  
32 ed acreage. The value of all material shall be determined in accordance with the provisions of Exhibit "C", less the estimated cost of  
33 salvaging and the estimated cost of plugging and abandoning. If the assignment or lease is in favor of more than one party, the interest  
34 shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.

35  
36 Any assignment, lease or surrender made under this provision shall not reduce or change the assignor's, lessor's or surrendering  
37 party's interest as it was immediately before the assignment, lease or surrender in the balance of the Contract Area; and the acreage  
38 assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this  
39 agreement.

## 41 B. Renewal or Extension of Leases:

42  
43 If any party secures a renewal of any oil and gas lease subject to this agreement, all other parties shall be notified promptly, and  
44 shall have the right for a period of thirty (30) days following receipt of such notice in which to elect to participate in the ownership of the  
45 renewal lease, insofar as such lease affects lands within the Contract Area, by paying to the party who acquired it their several proper pro-  
46 portionate shares of the acquisition cost allocated to that part of such lease within the Contract Area, which shall be in proportion to the  
47 interests held at that time by the parties in the Contract Area.

48  
49 If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it shall be owned by the parties  
50 who elect to participate therein, in a ratio based upon the relationship of their respective percentage of participation in the Contract Area  
51 to the aggregate of the percentages of participation in the Contract Area of all parties participating in the purchase of such renewal lease.  
52 Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.

53  
54 Each party who participates in the purchase of a renewal lease shall be given an assignment of its proportionate interest therein  
55 by the acquiring party.

56  
57 The provisions of this Article shall apply to renewal leases whether they are for the entire interest covered by the expiring lease  
58 or cover only a portion of its area or an interest therein. Any renewal lease taken before the expiration of its predecessor lease, or taken or  
59 contracted for within six (6) months after the expiration of the existing lease shall be subject to this provision; but any lease taken or con-  
60 tracted for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal lease and shall not be subject to  
61 the provisions of this agreement.

62  
63 The provisions in this Article shall also be applicable to extensions of oil and gas leases.

## 65 C. Acreage or Cash Contributions:

66  
67 While this agreement is in force, if any party contracts for a contribution of cash towards the drilling of a well or any other  
68 operation on the Contract Area, such contribution shall be paid to the party who conducted the drilling or other operation and shall be  
69 applied by it against the cost of such drilling or other operation. If the contribution be in the form of acreage, the party to whom the con-  
70 tribution is made shall promptly tender an assignment of the acreage, without warranty of title, to the Drilling Parties in the proportions

ARTICLE VIII

continued

1 said Drilling Parties shared the cost of drilling the well. Such acreage shall become a separate Contract Area and, to the extent possible, be  
 2 governed by provisions identical to this agreement. Each party shall promptly notify all other parties of any acreage or cash contributions  
 3 it may obtain in support of any well or any other operation on the Contract Area. The above provisions shall also be applicable to op-  
 4 tional rights to earn acreage outside the Contract Area which are in support of a well drilled inside the Contract Area.

5  
 6 If any party contracts for any consideration relating to disposition of such party's share of substances produced hereunder, such  
 7 consideration shall not be deemed a contribution as contemplated in this Article VIII.C.

8  
 9 D. Maintenance of Uniform Interest:

10  
 11 For the purpose of maintaining uniformity of ownership in the oil and gas leasehold interests covered by this agreement, no  
 12 party shall sell, encumber, transfer or make other disposition of its interest in the leases embraced within the Contract Area and in wells,  
 13 equipment and production unless such disposition covers either:

- 14  
 15 1. the entire interest of the party in all leases and equipment and production; or  
 16  
 17 2. an equal undivided interest in all leases and equipment and production in the Contract Area.

18  
 19 Every such sale, encumbrance, transfer or other disposition made by any party shall be made expressly subject to this agreement  
 20 and shall be made without prejudice to the right of the other parties.

21  
 22 If, at any time the interest of any party is divided among and owned by four or more co-owners, Operator, at its discretion, may  
 23 require such co-owners to appoint a single trustee or agent with full authority to receive notices, approve expenditures, receive billings for  
 24 and approve and pay such party's share of the joint expenses, and to deal generally with, and with power to bind, the co-owners of such  
 25 party's interest within the scope of the operations embraced in this agreement; however, all such co-owners shall have the right to enter  
 26 into and execute all contracts or agreements for the disposition of their respective shares of the oil and gas produced from the Contract  
 27 Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

28  
 29 E. Waiver of Rights to Partition:

30  
 31 If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an  
 32 undivided interest in the Contract Area waives any and all rights it may have to partition and have set aside to it in severalty its undivided  
 33 interest therein.

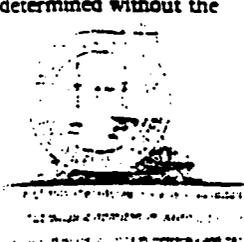
34  
 35 ~~F. Preferential Right to Purchase:~~

36  
 37 ~~Should any party desire to sell all or any part of its interest under this agreement, or its rights and interests in the Contract Area, it shall promptly give~~  
 38 ~~written notice to the other parties, with full information concerning its proposed sale, which shall include the name and address of the prospective~~  
 39 ~~opuonal prior right, for a period of ten (10) days after receipt of the notice, to purchase on the same terms and conditions the interest which the other part~~  
 40 ~~proposes to sell; and, if this opuonal right is exercised, the purchasing parties shall share the purchased interest in the proportions that the interest of each~~  
 41 ~~bears to the total interest of all purchasing parties. However, there shall be no preferential right to purchase in those cases where any party wishes to~~  
 42 ~~parent company or to a subsidiary of a parent company, or to any company in which any one party owns a majority of the stock, or where any party elect~~  
 43 ~~to include all or any part of its interests in a trust property exchange, or conveyance with a retained production payment, or is required to sell/assign its~~  
 44 ~~interests pursuant to litigation or a reversion under a prior contract. This Article VIII F. shall not be applicable to any party's interest where such party's~~  
 45 ~~interest to be sold is greater than 10%. For purpose of this Article VIII F., a "party's interest" shall be the sum of the interests of all affiliated selling~~  
 46 ~~parties.~~

47  
 48 ARTICLE IX.

49 INTERNAL REVENUE CODE ELECTION

50 This agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association  
 51 for profit between or among the parties hereto. Notwithstanding any provision herein that the rights and liabilities hereunder are several  
 52 and not joint or collective, or that this agreement and operations hereunder shall not constitute a partnership, if, for federal income tax  
 53 purposes, this agreement and the operations hereunder are regarded as a partnership, each party hereby affected elects to be excluded  
 54 from the application of all of the provisions of Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, as per-  
 55 mitted and authorized by Section 761 of the Code and the regulations promulgated thereunder. Operator is authorized and directed to ex-  
 56 ecute on behalf of each party hereby affected such evidence of this election as may be required by the Secretary of the Treasury of the  
 57 United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements,  
 58 and the data required by Federal Regulations 1.761. Should there be any requirement that each party hereby affected give further  
 59 evidence of this election, each such party shall execute such documents and furnish such other evidence as may be required by the  
 60 Federal Internal Revenue Service or as may be necessary to evidence this election. No such party shall give any notices or take any other  
 61 action inconsistent with the election made hereby. If any present or future income tax laws of the state or states in which the Contract  
 62 Area is located or any future income tax laws of the United States contain provisions similar to those in Subchapter "K", Chapter 1,  
 63 Subtitle "A", of the Internal Revenue Code of 1954, under which an election similar to that provided by Section 761 of the Code is per-  
 64 mitted, each party hereby affected shall make such election as may be permitted or required by such laws. In making the foregoing elec-  
 65 tion, each such party states that the income derived by such party from operations hereunder can be adequately determined without the  
 66 computation of partnership taxable income.  
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ARTICLE X.  
CLAIMS AND LAWSUITS

Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure does not exceed Twenty Five Thousand & No/100 Dollars  
\$ 25,000.00 and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim or suit involving operations hereunder.

ARTICLE XI.  
FORCE MAJEURE

If any party is rendered unable, wholly or in part, by force majeure to carry out its obligations under this agreement, other than the obligation to make money payments, that party shall give to all other parties prompt written notice of the force majeure with reasonably full particulars concerning it; thereupon, the obligations of the party giving the notice, so far as they are affected by the force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable diligence to remove the force majeure situation as quickly as practicable.

The requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes, lockouts, or other labor difficulty by the party involved, contrary to its wishes; how all such difficulties shall be handled shall be entirely within the discretion of the party concerned.

The term "force majeure", as here employed, shall mean an act of God, strike, lockout, or other industrial disturbance, act of the public enemy, war, blockade, public riot, lightning, fire, storm, flood, explosion, governmental action, governmental delay, restraint or inaction, unavailability of equipment, and any other cause, whether of the kind specifically enumerated above or otherwise, which is not reasonably within the control of the party claiming suspension.

ARTICLE XII.  
NOTICES

All notices authorized or required between the parties and required by any of the provisions of this agreement, unless otherwise specifically provided, shall be given in writing by mail or telegram, postage or charges prepaid, or by telex or telecopier and addressed to the parties to whom the notice is given at the addresses listed on Exhibit "A". The originating notice given under any provision hereof shall be deemed given only when received by the party to whom such notice is directed, and the time for such party to give any notice in response thereto shall run from the date the originating notice is received. The second or any responsive notice shall be deemed given when deposited in the mail or with the telegraph company, with postage or charges prepaid, or sent by telex or telecopier. Each party shall have the right to change its address at any time, and from time to time, by giving written notice thereof to all other parties.

ARTICLE XIII.  
TERM OF AGREEMENT

This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas interests subject hereto for the period of time selected below; provided, however, no party hereto shall ever be construed as having any right, title or interest in or to any lease or oil and gas interest contributed by any other party beyond the term of this agreement.

Option No. 1: So long as any of the oil and gas leases subject to this agreement remain or are continued in force as to any part of the Contract Area, whether by production, extension, renewal or otherwise.

Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or wells produce, or are capable of production, and for an additional period of 90 days from cessation of all production; provided, however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepening, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such operations have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or reworking operations are commenced within 90 days from the date of abandonment of said well.

It is agreed, however, that the termination of this agreement shall not relieve any party hereto from any liability which has accrued or attached prior to the date of such termination.

**ARTICLE XIV.  
COMPLIANCE WITH LAWS AND REGULATIONS**

**A. Laws, Regulations and Orders:**

This agreement shall be subject to the conservation laws of the state in which the Contract Area is located, to the valid rules, regulations, and orders of any duly constituted regulatory body of said state; and to all other applicable federal, state, and local laws, ordinances, rules, regulations, and orders.

**B. Governing Law:**

This agreement and all matters pertaining hereto, including, but not limited to, matters of performance, non-performance, breach, remedies, procedures, rights, duties and interpretation or construction, shall be governed and determined by the law of the state in which the Contract Area is located. If the Contract Area is in two or more states, the law of the state of \_\_\_\_\_ shall govern.

**C. Regulatory Agencies:**

Nothing herein contained shall grant, or be construed to grant, Operator the right or authority to waive or release any rights, privileges, or obligations which Non Operators may have under federal or state laws or under rules, regulations or orders promulgated under such laws in reference to oil, gas and mineral operations, including the location, operation, or production of wells, on tracts offsetting or adjacent to the Contract Area.

With respect to operations hereunder, Non-Operators agree to release Operator from any and all losses, damages, injuries, claims and causes of action arising out of, incident to or resulting directly or indirectly from Operator's interpretation or application of rules, rulings, regulations or orders of the Department of Energy or predecessor or successor agencies to the extent such interpretation or application was made in good faith. Each Non-Operator further agrees to reimburse Operator for any amounts applicable to such Non-Operator's share of production that Operator may be required to refund, rebate or pay as a result of such an incorrect interpretation or application, together with interest and penalties thereon owing by Operator as a result of such incorrect interpretation or application.

Non-Operators authorize Operator to prepare and submit such documents as may be required to be submitted to the purchaser of any crude oil sold hereunder or to any other person or entity pursuant to the requirements of the "Crude Oil Windfall Profit Tax Act of 1980", as same may be amended from time to time ("Act"), and any valid regulations or rules which may be issued by the Treasury Department from time to time pursuant to said Act. Each party hereto agrees to furnish any and all certifications or other information which is required to be furnished by said Act in a timely manner and in sufficient detail to permit compliance with said Act.

**ARTICLE XV.  
OTHER PROVISIONS**

**A.** Failure of any party to execute this agreement shall not render it ineffective as to any party which does execute the same. If counterparts to this agreement are executed, the signatures and acknowledgments of the parties, affixed thereto, may be combined by Operator in, and treated and given effect for all purposes as a single instrument. This agreement also may be ratified by separate instrument referring hereto, each of which shall have the effect of the original agreement and of adopting by reference all of the provisions herein contained.

**B.** Notwithstanding anything to the contrary in Article VI.B.2. or VII.D.2., the share of production from a well which non-consenting parties shall be deemed to have relinquished to consenting parties in any reworking, deepening, plugging back or completing of a well; (as such terms are defined and used in Article VI.B.2. and Article VII.D.2.) shall be the non-consenting parties' share of production only from the interval or intervals of the formation or formations from which production is obtained or increased as a result of the operations in which the non-consenting parties did not participate. In the event a subsequent operation is proposed for such well by one or more consenting parties prior to recovery of all costs and penalties recoverable from the relinquished interest of non-consenting party in said interval or formation, non-consenting party shall be entitled to participate therein to the extent of its interest prior to relinquishment.

**C.** Notwithstanding anything contained hereinabove to the contrary, non-operators may elect to be carried as a non-consenting party, in the initial well to be drilled or recompleted hereunder. The non-consenting penalty provisions of Article VI.B.2a. and b. shall be applicable except that for purposes of calculating payout on the initial well, if it is a New Mexico Fruitland Coal well, and only if, the "400.0% figure on lines 21 and 22 of Article VI.B.2b. shall be replaced with the figures "256%". All other wells remain at "400.0%".

**D.** Notwithstanding anything to the contrary contained in Article VII.B., each party (contributing party) contributing a lease or leases (original lease) to this agreement shall have the option, but not the obligation, at any time prior to and for sixty (60) days after the expiration of the original lease to renew such lease and to alone bear the cost and expense thereof and thereby maintain its right, title and interest in the tract or tracts included in the original lease and the renewal thereof. If more than one party owns an interest in the original lease, the option granted herein shall inure to the benefit of such parties jointly and severally. If any party hereto other than the contributing party (renewing party) renews the lease at any time, the renewing party shall furnish the contributing party an itemized statement of the total cost and expense incurred in acquiring such renewal lease. The contributing party shall have sixty (60) days after the receipt of such itemized statement to reimburse the renewing party in full. If the contributing party makes such reimbursement, it shall receive from the renewing party an assignment, subject to this agreement, of all right, title and interest in and to the renewal lease. If the contributing party either renews such lease at its expense, or fully reimburses the renewing party, the parties' interests hereunder in the Contract Area shall remain unchanged. If the contributing party exercises neither of the options provided above it shall thereby forfeit its right under this Article XV.D., as to such renewal lease and the renewal lease shall thereafter be subject to all the terms and conditions of Article VII.B. hereof. This Article XV.D. shall apply in like manner to extensions of lease.

**E.** This Operating Agreement shall supersede and replace any previous Operating Agreements governing the depths covered in the Contract Area shown on the Exhibit "A".

ARTICLE XV  
OTHER PROVISIONS

F. Through mutual consent the parties hereto may elect to 1) convert any well drilled hereunder to a disposal well or any other valuable use, or 2) convey any well drilled hereunder and associated facilities and equipment to another party or group of parties and the parties hereto shall share in the value received and the costs borne due to such conversion or conveyances as the parties' interest is set forth in Exhibit "A"; except in any well drilled hereunder in which a party or parties went non-consent in the drilling of such well and the production from such well has not equaled the percentage of costs related to such well provided in Article VI.B.2., the approval of such conversion or conveyance is required only by the Consenting Parties, and costs borne and the value received due to such conversion or conveyance shall be shared by the Consenting Parties in accordance with their cost bearing share of the drilling of such well.

G. PRIORITY OF OPERATIONS

If at any time there is more than one operation proposed in connection with any well subject to this agreement, then unless all Consenting Parties agree on the sequence of such operation, such proposals shall be considered and disposed of in the following order of priority:

- (1) A proposal to do additional logging, coring or testing;
- (2) A proposal to deepen the well to "authorized depth" if logging and testing in option (1) above indicate the well has not reach authorized depth and formation.
- (3) A proposal to attempt to complete the well at the authorized depth in the manner set forth in the AFE (i.e., in accordance with casing, stimulation and other completion programs set forth in AFE);
- (4) A proposal to attempt to complete the well at the authorized depth in a manner different than as set forth in the AFE;
- (5) For a horizontal well, a proposal to extend the length of the lateral drain hole for a specified number of feet in the direction it is drilling with priority given to the shortest additional length proposed by any of the Consenting Parties;
- (6) For a horizontal well, a proposal to drill a new lateral drain hole in a different direction at the authorized depth;
- (7) For a horizontal well, a proposal to drill a new lateral drain hole a different depth, with priority given in ascending order to objectives above the authorized depth, and then in descending order to objectives below the authorized depth;
- (8) A proposal to plug back and attempt to complete the well at a depth shallower than the authorized depth, with priority given to objectives in ascending order up the hole;
- (9) A proposal to sidetrack the well to a new target objective, with priority given first in ascending order to objectives above the authorized depth, and then in descending order to the objectives below the authorized depth;
- (10) A proposal to deepen the well below the authorized depth, with priority given to objectives in descending order.

No party may propose any operation with respect to any well (i) while there is pending a prior proposal for any operation respecting such well until that proposal is withdrawn or until the operation contemplated thereby has been completed or (ii) while there is in progress any operation on such well until such operation has been completed.

If, at the time the parties are considering a proposed operation, the well is in such condition, in the Operator's judgment, that a reasonably prudent operator would not conduct such operation for fear of mechanical difficulties, placing the hole, equipment or personnel in danger of loss or injury, or fear of loss of the well for any reason without being able to attempt a completion at the authorized depth, then the proposal shall be given no priority to any proposed operation except for plugging and abandoning the well.

If a well being drilled hereunder is a horizontal well, then the provisions of this agreement relating to sidetracking of a well shall be of no force and effect.

**ARTICLE XV  
OTHER PROVISIONS**

**H. CONFIDENTIALITY**

Operator and each Non-Operator hereby agree to keep confidential all information pertaining to the initial well drilled pursuant to Article VI.A of this Agreement, and that, without the prior written consent of all parties hereto, the information will not be disclosed to any person or legal entity not a party to this Agreement for a period of one year following completion of said well as a well capable of producing or plugging and abandonment of the same as a dry hole; except that (i) Operator shall have the right to make such disclosures and filings as may be mandated by applicable laws, rules, regulations or orders of governmental authorities having jurisdiction, provided Operator shall take reasonable steps to maintain the confidentiality of such disclosures and filings to the extent permitted by such laws, rules, regulations or orders, if any, and (ii) each party hereto shall have the right to disclose such information to any of its affiliates, provided such affiliate agrees in writing to be bound by the confidentiality provisions of this Agreement. "Affiliate" means any company or legal entity which directly or indirectly controls the disclosing party, or which is directly or indirectly controlled by the disclosing party, or which is directly or indirectly controlled by a company or entity which directly or indirectly controls the disclosing party. "Control" means the right to exercise more than 50% of the voting rights in the appointment of the directors of the applicable company.

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ARTICLE XVI.  
MISCELLANEOUS

This agreement shall be binding upon and shall inure to the benefit of the parties hereto and to their respective heirs, devisees, legal representatives, successors and assigns.

This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.

IN WITNESS WHEREOF, this agreement shall be effective as of 1st day of April, 1997.

**OPERATOR**

Burlington Resources Oil & Gas Company

BY: \_\_\_\_\_  
Robert T. Kennedy, Attorney-in-Fact

**NON-OPERATORS**

Conoco Inc.

BY: \_\_\_\_\_

Amoco Production Company

BY: \_\_\_\_\_

Total Minatome Corp.

BY: \_\_\_\_\_

Lee Wayne Moore and JoAnn Montgomery  
Moore, Trustees

BY: \_\_\_\_\_

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Robert Warren Umbach

BY: \_\_\_\_\_  
George William Umbach



This document is published  
except when authorized in writing by the  
American Association of Petroleum Geologists

**NON-OPERATORS CONT.**

Sunwest Bank of Albuquerque, N.A.,  
as Agent for:

Lowell White Family Trust  
Walter A. Steele  
Estate of G.W. Hannett  
T. G. Cornish  
Patricia Hueter  
Mary Emily Voller  
A. T. Hannett

BY: \_\_\_\_\_  
Catherine Rugen

Hope G. Simpson Estate

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Nancy H. Gerson (FKA Nancy H. Haskens)

BY: \_\_\_\_\_  
Minnie A. Fitting

BY: \_\_\_\_\_  
Robert P. Fitting

BY: \_\_\_\_\_  
Catherine H. Ruml

Katherine I. White

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Elizabeth B. Farrington

BY: \_\_\_\_\_  
Mary S. Zick (FKA Nancy S. Zick)

BY: \_\_\_\_\_  
Walter B. Farnham

BY: \_\_\_\_\_  
Roy E. Bard, Jr.

BY: \_\_\_\_\_  
Robert T. Isham

**NON-OPERATORS CONT.**

BY: \_\_\_\_\_  
Mary F. Love

BY: \_\_\_\_\_  
James C. Bard

BY: \_\_\_\_\_  
William P. Sutter

George S. Isham Trust

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Albert L. Hopkins, Jr.

BY: \_\_\_\_\_  
Kay B. Gundlach (FKA Kay B. Towle)

BY: \_\_\_\_\_  
Virginia W. Isham

BY: \_\_\_\_\_  
Eleanor Isham Dunne

John M. Simpson & William Simpson Trust U/W  
James J. Simpson

BY: \_\_\_\_\_

Michael Simpson Trust

BY: \_\_\_\_\_

Patricia Simpson Trust

BY: \_\_\_\_\_

James F. Curtis  
Patrick J. Herbert III  
Successor Trustee U/A/D 2-9-79  
FBO James F. Curtis

BY: \_\_\_\_\_

**NON-OPERATORS CONT.**

Gwendolyn S. Chabrier  
Patrick J. Herbert III  
Successor Trustee U/A/D 2-9-79  
FBO Gwendolyn S. Chabrier

BY: \_\_\_\_\_

William Simpson Trust  
Patrick J Herbert III  
Successor Trustee Of The  
WM Simpson Trust Dtd 12-17-79

BY: \_\_\_\_\_

Henry P Isham Jr., Decd  
First Natl. Bank of Chicago-Agent  
VW & RT Isham Trustees  
UWO Henry P. Isham Jr., Decd

BY: \_\_\_\_\_

Cortlandt T. Hill Trust  
1st Trust NA & Gaylord W. Glarner  
Trustee UA Dtd 9/16/74

BY: \_\_\_\_\_

Martha M Lattner Trust  
James E Palmer Successor  
Trustee U/T/A Dtd 2/21/63  
FBO Martha M. Lattner Settlor

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Robert D. Fitting

BY: \_\_\_\_\_  
W. Watson LaForce, Jr.

BY: \_\_\_\_\_  
J. Robert Jones

BY: \_\_\_\_\_  
Robert B. Farnham

**NON-OPERATORS CONT.**

BY: \_\_\_\_\_  
Charles Wells Farnham, Jr.

BY: \_\_\_\_\_  
Louis W. Hill, Jr.

Ralph A Bard Jr , Trustee  
(FKA Ralph A. Bard, Jr. Trust)  
U/A/D February 12, 1983

BY: \_\_\_\_\_

Ralph Austin Bard Jr.  
(FKA Ralph A. Bard, Jr. Trust)  
Trustee U/A/D 7-25-49

BY: \_\_\_\_\_

Guy R. Brainard Jr. Trustee, of  
the Guy R. Brainard Jr, Trust  
Dated 9/9/82

BY: \_\_\_\_\_

Ralph U. Fitting Jr., Trust

BY: \_\_\_\_\_

Sabine Royalty Company

BY: \_\_\_\_\_

Judith Shaw Trust  
U/A/D 4-14-66

BY: \_\_\_\_\_

Nancy C. Bard, Lisa Bard Field  
Sharon Bard Wailes & Travis  
Bard Ind & Collectively As  
Co Trustees U/C/O Dtd 10-7-86

BY: \_\_\_\_\_

**NON-OPERATORS CONT.**

Elizabeth T. Isham Trust  
Robert T. Isham & G.S. Isham &  
First Natl Bank Of Chicago Trust

BY: \_\_\_\_\_

Roger D. Shaw Jr, Trust  
U/A/D 8-27-62

BY: \_\_\_\_\_

William W. Shaw Trust  
U/A/D 12-28-63

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Diane Derry

BY: \_\_\_\_\_  
Joan Derry

Anthony Bard Boand

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
Dorothy M. Derry

Keyes Baber Properties  
C/O TX Commerce Bank Midland  
Acct #50-1532-00

BY: \_\_\_\_\_

BY: \_\_\_\_\_  
George A. Ranney

BY: \_\_\_\_\_  
Fredrick F. Webster, Jr.  
(FKA Webster Properties Partn.)

F F. Webster IV Trust Estate  
(FKA Webster Properties Partn.)

BY: \_\_\_\_\_

**NON-OPERATORS CONT.**

John I. Shaw Jr., Trust  
U/A/D 1-2-57

BY: \_\_\_\_\_

Susanne Shaw Trust  
U/A/D 9/11/53

BY: \_\_\_\_\_

Arch W. Shaw II Trust  
U/A/D 2/1/71

BY: \_\_\_\_\_

Bruce P. Shaw Trust  
U/A/D 6/8/72

BY: \_\_\_\_\_

Norman L. Hay Jr., Trustee of the  
Norman L Hay Jr. Gs Trust

BY: \_\_\_\_\_

Edward L. Ryerson J.r Trust  
(Fka Edward L. Ryerson)  
Cambridge Trust Co Trustee

BY: \_\_\_\_\_

Margaret Stuart Hart  
Northern Trust Bnk/Lake Forest  
& Margaret Stuart Hart Co-Trustee  
U/A Robert Douglas Stuart

BY: \_\_\_\_\_

Robert Douglas Stuart Jr.  
Northern Trust Bank/Lake Forest  
& Robert Douglas Stuart Jr,  
Co-Trustee U/A Robert D. Stuart

BY: \_\_\_\_\_

**NON-OPERATORS CONT.**

Anne Stuart Batchelder Trust  
First Natl Bank Of Chicago &  
U/A Robert Douglas Stuart

BY: \_\_\_\_\_

Harriet Stuart Spencer  
First Natl Bank Of Chicago &  
U/A Robert Douglas Stuart

BY: \_\_\_\_\_

ACKNOWLEDGMENTS

STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF SAN JUAN )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1997, by Robert T. Kennedy, Attorney-in-Fact, of Burlington Resources Oil & Gas Company, a Delaware corporation, for and on behalf of said corporation.

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

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

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1997, by \_\_\_\_\_, \_\_\_\_\_, of \_\_\_\_\_, a \_\_\_\_\_ corporation, for and on behalf of said corporation.

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

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

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 1997, by \_\_\_\_\_, \_\_\_\_\_, of \_\_\_\_\_ Trust.

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

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



**EXHIBIT "A"**

Attached to and made a part of that certain Operating Agreement dated April 1, 1997, by and between BURLINGTON RESOURCES OIL & GAS COMPANY, as Operator, and as Non-Operators.

**I. LANDS SUBJECT TO OPERATING AGREEMENT:**

**Township 31 North, Range 10 West**  
**Section 9: Lots 1-12, N/2 N/2**  
**San Juan County, New Mexico**  
**containing 636.01 acres, more or less**

**II. RESTRICTIONS, IF ANY, AS TO DEPTHS OR FORMATIONS:**

Limited to all depths below the Dakota formation.

**III. ADDRESSES AND WORKING PERCENTAGE INTERESTS OF PARTIES TO THIS AGREEMENT:**

Burlington Resources Oil & Gas Company c/o Land Department P.O. Box 4289 Farmington, New Mexico 87499 Main # 505-326-9700 Fax # 505-326-9781	<b>OPERATOR</b> 10.311905%
---	-------------------------------

**NON-OPERATORS**

<b><u>Working Interest Owners</u></b>	<b><u>GW</u></b>
CONOCO INC. 10 DESTA DRIVE , SUITE 100W MIDLAND, TX 79705-4500	10.311905%
AMOCO PRODUCTION COMPANY P.O. BOX 800 DENVER, CO 80201	10.175500%
TOTAL MINATOME CORP. 2 HOUSTON CENTER, SUITE 2000 909 FANNIN P.O. BOX 4326 HOUSTON, TX 77210-4326	3.553900%
LEE WAYNE MOORE AND JOANN MONTGOMERY MOORE, TRUSTEES 403 N. MARIENFIELD MIDLAND, TX 79701	0.294805%

EXHIBIT "A" CONT.

GEORGE WILLIAM UMBACH 2620 S. MARYLAND PKWY. #496 LAS VEGAS, NV 89109	.369518%
ROBERT WARREN UMBACH P.O. BOX 5310 FARMINGTON, NM 87499	.369518%
LOWELL WHITE FAMILY TRUST C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-0500	.037019%
WALTER A. STEELE C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.037019%
ESTATE OF G. W. HANNETT C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.030850%
T. G. CORNISH C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.024680%
PATRICIA HUETER C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.006171%
MARY EMILY VOLLER C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.006170%
A. T. HANNETT C/O SUNWEST BANK OF ALBUQUERQUE, N.A. ATTN: CATHERINE RUGEN P.O. BOX 26900 ALBUQUERQUE, NM 87125-6900	.006170%
HOPE G. SIMPSON C/O SIMPSON ESTATES INC. 30 N. LASALLE, STE 1232 CHICAGO, IL 60602-2504	0.651006%

**EXHIBIT "A" CONT.**

NANCY H. GERSON (FKA NANCY H. HASKENS) 1555 ASTOR ST. CHICAGO, IL 60610	0.456838%
MINNIE A. FITTING ROBERT P. FITTING P.O. BOX 2588 SIERRA VISTA, AZ 85636-2588	0.934458%
CATHERINE H. RUMML P.O. BOX 297 SOUTH STRAFFORD, VT 05070-0297	0.456838%
KATHERINE I. WHITE C/O JOHN BEATY BEATY HAYNES & ASSOCIATES INC. 2 WISCONSIN CIR., STE 400 CHEVY CHASE, MD 20815-7006	1.522308%
ELIZABETH B. FARRINGTON 12 MURRAY HILL SQUARE MURRAY HILL, NJ 07974	0.164464%
MARY S. ZICK (FKA NANCY S. ZICK) 418 W. LYON FARIN GREENWICH, CT 06831	0.685295%
WALTER B. FARNHAM P.O. BOX 494 NORWOOD, CO 81423-0494	0.102790%
ROY E. BARD, JR. 508 S PARKWOOD AVE PARK RIDGE, IL 60068	0.164464%
ROBERT T. ISHAM 335 HOT SPRINGS RD. SANTA BARBARA, CA 93108	1.205033%
MARY F LOVE 4005 PINOLE VALLEY RD. PINOLE, CA 94564	0.102790%
JAMES C. BARD 7454 N. DESERT TREE DR. TUCSON, AZ 85704	0.164464%
WILLIAM P. SUTTER THREE FIRST NATL PLAZA ROOM 4300 CHICAGO, IL 60602	0.685295%

EXHIBIT "A" CONT.

GEORGE S. ISHAM TRUST 1070 N. ELM TREE RD LAKE FOREST, IL 60045	1.205003%
ALBERT L. HOPKINS JR P O BOX 67 DANBURY, NH 03230-0067	0.456838%
KAY B. GUNDLACH (FKA KAY B. TOWLE) FEARINGTON POST 247 PITTSBORO, NC 27312	0.164464%
VIRGINIE W. ISHAM P O BOX 307 LAKE FORREST, IL 60045	0.602501%
ELEANOR ISHAM DUNNE 728 ROSEMARY RD. LAKE FOREST, IL 60045	1.525335%
JOHN M SIMPSON & WILLIAM SIMPSON TR U/W JAMES SIMPSON J. C/O TRUST CO OF NEW YORK ATTN: BARRY WALDORF 114 WEST 47TH STREET NEW YORK, NY 10036	3.906037%
MICHAEL SIMPSON TRUST C/O U S TRUST CO OF NEW YORK ATTN: BARRY WALDORF 114 WEST 47TH STREET NEW YORK, NY 10036	2.996042%
PATRICIA SIMPSON TRUST C/O U S TRUST CO OF NEW YORK ATTN: BARRY WALDORF 114 WEST 47TH STREET NEW YORK, NY 10036	2.996042%
JAMES F CURTIS PATRICK J HERBERT III SUCCESSOR TRUSTEE U/A/D 2-9-79 FBO JAMES F CURTIS C/O SIMPSON ESTATES 30 N LASALLE STE 1232 CHICAGO, IL 60602-504	0.651006%
GWENDOLYN S. CHABRIER PATRICK J. HERBERT III SUCCESSOR TRUSTEE U/A/D 2-9-79 FBO GWENDOLYN S. CHABRIER C/O SIMPSON ESTATES 30 N LA SALLE ST #1232 CHICAGO, IL 60602-2503	0.651006%

EXHIBIT "A" CONT.

WILLIAM SIMPSON TRUST PATRICK J HERBERT III SUCCESSOR TRUSTEE OF THE WM SIMPSON TRUST DTD 12-17-79 30 N LASALLE STE 1232 CHICAGO, IL 60602-2504	1.953018%
HENRY P ISHAM JR DECD FIRST NATL BANK CHICAGO AGENT VW & RT ISHAM TRUSTEES UWO HENRY P ISHAM JR DECD 1400 ONE DALLAS CENTER DALLAS, TX 75201	0.602501%
CORTLANDT T. HILL TRUST 1ST TRUST NA & GAYLORD W GLARNER TRSTEE UA DTD 9/16/74 C/O COLORADO NATIONAL BANK PO BOX 17532 (CNDT 2332) DENVER, CO 80217	0.411162%
MARTHA M LATTNER TRUST JAMES E PALMER SUCCESSOR TRUSTEE U/T/A DTD 2/21/63 FBO MARTHA M LATTNER SETTLOR PO BOX 29352 SAN FRANCISCO, CA 94129-0352	1.027904%
ROBERT D. FITTING # 406 N. BIG SPRINGS #200 MIDLAND, TX 79701	0.934459%
W. WATSON LAFORCE JR PO BOX 353 MIDLAND, TX 79701	1.111146%
J. ROBERT JONES 1205 W PECAN MIDLAND, TX 79705	1.868917%
ROBERT B. FARNHAM ST MARYS POINT 16757 S. 25TH ST LAKELAND, MN 55043	0.102790%
CHARLES WELLS FARNHAM JR ST MARYS POINT 16825 S. 25TH ST LAKELAND, MN 55043	0.102790%
LOUIS W. HILL JR PO BOX 64704 ST PAUL, MN 55164	2.466971%

EXHIBIT "A" CONT.

RALPH A BARD JR , TRUSTEE (FKA RALPH A. BARD, JR. TRUST) U/A/D FEBRUARY 12, 1983 SUITE 2320 135 S. LA SALLE ST. CHICAGO, IL 60603-4108	1.23.
RALPH AUSTIN BARD JR. (FKA RALPH A. BARD, JR. TRUST) TRUSTEE U/A/D 7-25-49 135 S. LA SALLE STREET SUITE 2320 CHICAGO, IL 60603-4108	8.0611
GUY R. BRAINARD JR. TRUSTEE, OF THE GUY R. BRAINARD JR TRUST DATED 9/9/82 RR 6 BOX 281 BROKEN ARROW, OK 74014	0.25129
RALPH U. FITTING JR, TRUST PO BOX 782 MIDLAND, TX 79702	3.737834
SABINE ROYALTY TRUST C/O PACIFIC ENTERPRISES ABC CORPORATION ATTN: SARA WILLIAMS 3131 TURTLE CREEK BLVD. DALLAS, TX 75219	0.626723
JUDITH SHAW TRUST U/A/D 4-14-66 THOMASVILLE RT. BOX 60-B BIRCH TREE, MO 65438	1.021342%
NANCY C. BARD LISA BARD FIELD SHARON BARD WAILES & TRAVIS BARD IND & COLLECTIVELY AS CO TRUSTEES U/C/O DTD 10-7-86 609 RICHARDS LAKE RD. FT COLLINS, CO 80524	0.164464%
ELIZABETH T. ISHAM TRUST ROBERT T. ISHAM & G.S. ISHAM & FIRST NATL BANK OF CHICAGO TRUST 8150 N. CENTRAL EXPY, STE 1211 DALLAS, TX 75206-1831	0.822323%
ROGER D. SHAW JR, TRUST U/A/D 8-27-62 THOMASVILLE RT. BOX 60-B BIRCH TREE, MO 65438	1.268039%
WILLIAM W. SHAW TRUST U/A/D 12-28-63 THOMASVILLE RT BOX 60-B BIRCH TREE. MO 65438	1.268039%

EXHIBIT "A" CONT.

DIANE DERRY 736 HINMAN AVE #1W EVANSTON, IL 60202	0.139272%
JOAN DERRY P.O. BOX 866 TESUQUE, NM 87574	0.139272%
ANTHONY BARD BOAND BANK OF AMERICA ILLINOIS ATTN: DEAN KELLY PO BOX 2081 CHICAGO, IL 60690	0.414787%
DOROTHY M. DERRY 2648 E WORKMAN AVE., STE 211 W. COVINA, CA 91791	0.139272%
KEYES BABER PROPERTIES C/O TX COMMERCE BANK MIDLAND ACCT #50-1532-00 PO BOX 209829 HOUSTON, TX 77216	2.225319%
GEORGE A. RANNEY 17370 WEST CASEY ROAD LIBERTYVILLE, IL 60048	0.520756%
FREDERICK F. WEBSTER JR (FKA WEBSTER PROPERTIES PARTN) 945 WOODLAND DRIVE GLENVIEW, IL 60025	0.308371%
F F WEBSTER IV TRUST ESTATE (FKA WEBSTER PROPERTIES PARTN) C/O COLORADO NATL BANK P.O. BOX 17532 DENVER, CO 80217	0.308371%
JOHN I. SHAW JR TRUST U/A/D 1-2-57 THOMASVILLE RT BOX 60-B BIRCH TREE, MO 65438	1.083016%
SUSANNE SHAW TRUST U/A/D 9/11/53 THOMASVILLE RT BOX 60-B BIRCH TREE, MO 65438	1.083016%
ARCH W. SHAW II TRUST U/A/D 2/1/71 THOMASVILLE RT BOX 60-B BIRCH TREE, MO 65438	1.083016%
BRUCE P. SHAW TRUST U/A/D 6/8/72 THOMASVILLE RT BOX 60-B BIRCH TREE, MO 65438	1.083016%

**EXHIBIT "A" CONT.**

NORMAN L. HAY JR., TRUSTEE OF THE  
 NORMAN L. HAY JR GS TRUST  
 3208 ELDON LN  
 WACO, TX 76710

0.832603%

EDWARD L. RYERSON JR TRUST  
 (FKA EDWARD L. RYERSON)  
 CAMBRIDGE TRUST CO TRUSTEE  
 ATTN: DAVID STRACHAN  
 1336 MASSACHUSETTS AVE  
 CAMBRIDGE, MA 02138-3829

0.520755%

MARGARET STUART HART  
 NORTHERN TRUST BANK/LAKE FOREST  
 & MARGARET STUART HART CO-TRUSTEE  
 U/A ROBERT DOUGLAS STUART  
 PO BOX 226270  
 DALLAS, TX 75222

0.774329%

ROBERT DOUGLAS STUART JR  
 NORTHERN TRUST BANK/LAKE FOREST  
 & ROBERT DOUGLAS STUART JR  
 CO-TRUSTEE U/A ROBERT D. STUART  
 PO BOX 226270  
 DALLAS, TX 75222

0.774329%

ANNE STUART BATCHELDER, TRUST.  
 FIRST NATL BANK OF CHICAGO &  
 U/A ROBERT DOUGLAS STUART  
 ATTN: GAYLE COTTON  
 8150 N CENTRAL EXPY STE 1211  
 DALLAS, TX 75206

0.774329%

HARRIET STUART SPENCER  
 FIRST NATL BANK OF CHICAGO &  
 U/A ROBERT DOUGLAS STUART  
 ATTN: GAYLE COTTON  
 8150 N CENTRAL EXPY, STE 1211  
 DALLAS, TX 75206

0.774329%

**TOTAL**      **100.000000%**

**EXHIBIT "B"**

There is no Exhibit "B" to this Joint Operating Agreement, dated April 1, 1997.

EXHIBIT " C "

Attached to and made a part of that certain Operating Agreement dated April 1, 1997, by and between BURLINGTON RESOURCES OIL & GAS COMPANY, as Operator, and Non-Operators.

ACCOUNTING PROCEDURE  
JOINT OPERATIONS

I. GENERAL PROVISIONS

1. Definitions

"Joint Property" shall mean the real and personal property subject to the agreement to which this Accounting Procedure is attached.

"Joint Operations" shall mean all operations necessary or proper for the development, operation, protection and maintenance of the Joint Property.

"Joint Account" shall mean the account showing the charges paid and credits received in the conduct of the Joint Operations and which are to be shared by the Parties.

"Operator" shall mean the party designated to conduct the Joint Operations.

"Non-Operators" shall mean the Parties to this agreement other than the Operator.

"Parties" shall mean Operator and Non-Operators.

"First Level Supervisors" shall mean those employees whose primary function in Joint Operations is the direct supervision of other employees and/or contract labor directly employed on the Joint Property in a field operating capacity.

"Technical Employees" shall mean those employees having special and specific engineering, geological or other professional skills, and whose primary function in Joint Operations is the handling of specific operating conditions and problems for the benefit of the Joint Property.

"Personal Expenses" shall mean travel and other reasonable reimbursable expenses of Operator's employees.

"Material" shall mean personal property, equipment or supplies acquired or held for use on the Joint Property.

"Controllable Material" shall mean Material which at the time is so classified in the Material Classification Manual as most recently recommended by the Council of Petroleum Accountants Societies.

2. Statement and Billings

Operator shall bill Non-Operators on or before the last day of each month for their proportionate share of the Joint Account for the preceding month. Such bills will be accompanied by statements which identify the authority for expenditure, lease or facility, and all charges and credits summarized by appropriate classifications of investment and expense except that items of Controllable Material and unusual charges and credits shall be separately identified and fully described in detail.

3. Advances and Payments by Non-Operators

A. Unless otherwise provided for in the agreement, the Operator may require the Non-Operators to advance their share of estimated cash outlay for the succeeding month's operation within fifteen (15) days after receipt of the billing or by the first day of the month for which the advance is required, whichever is later. Operator shall adjust each monthly billing to reflect advances received from the Non-Operators.

B. Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made within such time, the unpaid balance shall bear interest monthly at the prime rate in effect at Texas Commerce Bank, Houston, Texas on the first day of the month in which delinquency occurs plus 1% or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of unpaid amounts.

4. Adjustments

Payment of any such bills shall not prejudice the right of any Non-Operator to protest or question the correctness thereof; provided, however, all bills and statements rendered to Non-Operators by Operator during any calendar year shall conclusively be presumed to be true and correct after twenty-four (24) months following the end of any such calendar year, unless within the said twenty-four (24) month period a Non-Operator takes written exception thereto and makes claim on Operator for adjustment. No adjustment favorable to Operator shall be made unless it is made within the same prescribed period. The provisions of this paragraph shall not prevent adjustments resulting from a physical inventory of Controllable Material as provided for in Section V.

**5. Audits**

- A. A Non-Operator, upon notice in writing to Operator and all other Non-Operators, shall have the right to audit Operator's accounts and records relating to the Joint Account for any calendar year within the twenty-four (24) month period following the end of such calendar year; provided, however, the making of an audit shall not extend the time for the taking of written exception to and the adjustments of accounts as provided for in Paragraph 4 of this Section I. Where there are two or more Non-Operators, the Non-Operators shall make every reasonable effort to conduct a joint audit in a manner which will result in a minimum of inconvenience to the Operator. Operator shall bear no portion of the Non-Operators' audit cost incurred under this paragraph unless agreed to by the Operator. The audits shall not be conducted more than once each year without prior approval of Operator, except upon the resignation or removal of the Operator, and shall be made at the expense of those Non-Operators approving such audit.
- B. The Operator shall reply in writing to an audit report within 180 days after receipt of such report.

**6. Approval By Non-Operators**

Where an approval or other agreement of the Parties or Non-Operators is expressly required under other sections of this Accounting Procedure and if the agreement to which this Accounting Procedure is attached contains no contrary provisions in regard thereto, Operator shall notify all Non-Operators of the Operator's proposal, and the agreement or approval of a majority in interest of the Non-Operators shall be controlling on all Non-Operators.

**II. DIRECT CHARGES**

Operator shall charge the Joint Account with the following items:

**1. Ecological and Environmental**

Costs incurred for the benefit of the Joint Property as a result of governmental or regulatory requirements to satisfy environmental considerations applicable to the Joint Operations. Such costs may include surveys of an ecological or archaeological nature and pollution control procedures as required by applicable laws and regulations.

**2. Rentals and Royalties**

Lease rentals and royalties paid by Operator for the Joint Operations.

**3. Labor**

- A. (1) Salaries and wages of Operator's field employees directly employed on the Joint Property in the conduct of Joint Operations.
- (2) Salaries of First Level Supervisors in the field.
- (3) Salaries and wages of Technical Employees directly employed on the Joint Property if such charges are excluded from the overhead rates.
- (4) Salaries and wages of Technical Employees either temporarily or permanently assigned to and directly employed in the operation of the Joint Property if such charges are excluded from the overhead rates.
- B. Operator's cost of holiday, vacation, sickness and disability benefits and other customary allowances paid to employees whose salaries and wages are chargeable to the Joint Account under Paragraph 3A of this Section II. Such costs under this Paragraph 3B may be charged on a "when and as paid basis" or by "percentage assessment" on the amount of salaries and wages chargeable to the Joint Account under Paragraph 3A of this Section II. If percentage assessment is used, the rate shall be based on the Operator's cost experience.
- C. Expenditures or contributions made pursuant to assessments imposed by governmental authority which are applicable to Operator's costs chargeable to the Joint Account under Paragraphs 3A and 3B of this Section II.
- D. Personal Expenses of those employees whose salaries and wages are chargeable to the Joint Account under Paragraph 3A of this Section II.

**4. Employee Benefits**

Operator's current costs of established plans for employees' group life insurance, hospitalization, pension, retirement, stock purchase, thrift, bonus, and other benefit plans of a like nature, applicable to Operator's labor cost chargeable to the Joint Account under Paragraphs 3A and 3B of this Section II shall be Operator's actual cost not to exceed the percent most recently recommended by the Council of Petroleum Accountants Societies.

**5. Material**

Material purchased or furnished by Operator for use on the Joint Property as provided under Section IV. Only such Material shall be purchased for or transferred to the Joint Property as may be required for immediate use and is reasonably practical and consistent with efficient and economical operations. The accumulation of surplus stocks shall be avoided.

**6. Transportation**

Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

- A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store where like material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

- B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store where like material is normally available, or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.
- C. In the application of subparagraphs A and B above, the option to equalize or charge actual trucking cost is available when the actual charge is \$400 or less excluding accessorial charges. The \$400 will be adjusted to the amount most recently recommended by the Council of Petroleum Accountants Societies.

#### 7. Services

The cost of contract services, equipment and utilities provided by outside sources, except services excluded by Paragraph 10 of Section II and Paragraph i, ii, and iii, of Section III. The cost of professional consultant services and contract services of technical personnel directly engaged on the Joint Property if such charges are excluded from the overhead rates. The cost of professional consultant services or contract services of technical personnel not directly engaged on the Joint Property shall not be charged to the Joint Account unless previously agreed to by the Parties. Such charges shall be supported by invoices, which shall be made available to the non-operator's Auditors.

#### 8. Equipment and Facilities Furnished By Operator

- A. Operator shall charge the Joint Account for use of Operator owned equipment and facilities at rates commensurate with costs of ownership and operation. Such rates shall include costs of maintenance, repairs, other operating expense, insurance, taxes, depreciation, and interest on gross investment less accumulated depreciation not to exceed twelve percent (12%) per annum. Such rates shall not exceed average commercial rates currently prevailing in the immediate area of the Joint Property.
- B. In lieu of charges in paragraph 8A above, Operator may elect to use average commercial rates prevailing in the immediate area of the Joint Property less 20%. For automotive equipment, Operator may elect to use rates published by the Petroleum Motor Transport Association.

#### 9. Damages and Losses to Joint Property

All costs or expenses necessary for the repair or replacement of Joint Property made necessary because of damages or losses incurred by fire, flood, storm, theft, accident, or other cause, except those resulting from Operator's gross negligence or willful misconduct. Operator shall furnish Non-Operator written notice of damages or losses incurred as soon as practicable after a report thereof has been received by Operator.

#### 10. Legal Expense

Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgements and amounts paid for settlement of claims incurred in or resulting from operations under the agreement or necessary to protect or recover the Joint Property, except that no charge for services of Operator's legal staff or fees or expense of outside attorneys shall be made unless previously agreed to by the Parties. All other legal expense is considered to be covered by the overhead provisions of Section III unless otherwise agreed to by the Parties, except as provided in Section I, Paragraph 3.

#### 11. Taxes

All taxes of every kind and nature assessed or levied upon or in connection with the Joint Property, the operation thereof, or the production therefrom, and which taxes have been paid by the Operator for the benefit of the Parties. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding anything to the contrary herein, charges to the Joint Account shall be made and paid by the Parties hereto in accordance with the tax value generated by each party's working interest.

#### 12. Insurance

Net premiums paid for insurance required to be carried for the Joint Operations for the protection of the Parties. In the event Joint Operations are conducted in a state in which Operator may act as self-insurer for Worker's Compensation and/or Employers Liability under the respective state's laws, Operator may, at its election, include the risk under its self-insurance program and in that event, Operator shall include a charge at Operator's cost not to exceed manual rates.

#### 13. Abandonment and Reclamation

Costs incurred for abandonment of the Joint Property, including costs required by governmental or other regulatory authority.

#### 14. Communications

Cost of acquiring, leasing, installing, operating, repairing and maintaining communication systems, including radio and microwave facilities directly serving the Joint Property. In the event communication facilities/systems serving the Joint Property are Operator owned, charges to the Joint Account shall be made as provided in Paragraph 8 of this Section II.

#### 15. Other Expenditures

Any other expenditure not covered or dealt with in the foregoing provisions of this Section II, or in Section III and which is of direct benefit to the Joint Property and is incurred by the Operator in the necessary and proper conduct of the Joint Operations.

III. OVERHEAD

1. Overhead - Drilling and Producing Operations

i. As compensation for administrative, supervision, office services and warehousing costs. Operator shall charge drilling and producing operations on either:

- Fixed Rate Basis, Paragraph 1A. or
- Percentage Basis, Paragraph 1B

Unless otherwise agreed to by the Parties, such charge shall be in lieu of costs and expenses of all offices and salaries or wages plus applicable burdens and expenses of all personnel, except those directly chargeable under Paragraph 3A, Section II. The cost and expense of services from outside sources in connection with matters of taxation, traffic, accounting or matters before or involving governmental agencies shall be considered as included in the overhead rates provided for in the above selected Paragraph of this Section III unless such cost and expense are agreed to by the Parties as a direct charge to the Joint Account.

ii. The salaries, wages and Personal Expenses of Technical Employees and/or the cost of professional consultant services and contract services of technical personnel directly employed on the Joint Property:

- shall be covered by the overhead rates, or
- shall not be covered by the overhead rates.

iii. The salaries, wages and Personal Expenses of Technical Employees and/or costs of professional consultant services and contract services of technical personnel either temporarily or permanently assigned to and directly employed in the operation of the Joint Property:

- shall be covered by the overhead rates, or
- shall not be covered by the overhead rates.

iv. See Overhead Addendum on Page 7A.

A. Overhead - Fixed Rate Basis

(1) Operator shall charge the Joint Account at the following rates per well per month:

Drilling Well Rate \$ 5,100.00  
(Prorated for less than a full month)

Producing Well Rate \$ 510.00

(2) Application of Overhead - Fixed Rate Basis shall be as follows:

(a) Drilling Well Rate

- (1) Charges for drilling wells shall begin on the date the well is spudded and terminate on the date the drilling rig, completion rig, or other units used in completion of the well is released, whichever is later, except that no charge shall be made during suspension of drilling or completion operations for fifteen (15) or more consecutive calendar days.
- (2) Charges for wells undergoing any type of workover or recompletion for a period of five (5) consecutive work days or more shall be made at the drilling well rate. Such charges shall be applied for the period from date workover operations, with rig or other units used in workover, commence through date of rig or other unit release, except that no charge shall be made during suspension of operations for fifteen (15) or more consecutive calendar days.

(b) Producing Well Rates

- (1) An active well either produced or injected into for any portion of the month shall be considered as a one-well charge for the entire month.
- (2) Each active completion in a multi-completed well in which production is not commingled down hole shall be considered as a one-well charge providing each completion is considered a separate well by the governing regulatory authority.
- (3) An inactive gas well shut in because of overproduction or failure of purchaser to take the production shall be considered as a one-well charge providing the gas well is directly connected to a permanent sales outlet.
- (4) A one-well charge shall be made for the month in which plugging and abandonment operations are completed on any well. This one-well charge shall be made whether or not the well has produced except when drilling well rate applies.
- (5) All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease allowable, transferred allowable, etc.) shall not qualify for an overhead charge.

(3) The well rates shall be adjusted as of the first day of April each year following the effective date of the agreement to which this Accounting Procedure is attached. The adjustment shall be computed by multiplying the rate currently in use by the percentage increase or decrease in the average weekly earnings of Crude Petroleum and Gas Production Workers for the last calendar year compared to the calendar year preceding as shown by the index of average weekly earnings of Crude Petroleum and Gas Production Workers as published by the United States Department of Labor, Bureau of Labor Statistics, or the equivalent Canadian index as published by Statistics Canada, as applicable. The adjusted rates shall be the rates currently in use, plus or minus the computed adjustment.

B. Overhead - Percentage Basis

(1) Operator shall charge the Joint Account at the following rates:

## (a) Development

\_\_\_\_\_ Percent ( \_\_\_\_\_ %) of the cost of development of the Joint Property exclusive of costs provided under Paragraph 10 of Section II and all salvage credits.

## (b) Operating

\_\_\_\_\_ Percent ( \_\_\_\_\_ %) of the cost of operating the Joint Property exclusive of costs provided under Paragraphs 2 and 10 of Section II, all salvage credits, the value of injected substances purchased for secondary recovery and all taxes and assessments which are levied, assessed and paid upon the mineral interest in and to the Joint Property.

## (2) Application of Overhead - Percentage Basis shall be as follows:

For the purpose of determining charges on a percentage basis under Paragraph 1B of this Section III, development shall include all costs in connection with drilling, redrilling, deepening, or any remedial operations on any or all wells involving the use of drilling rig and crew capable of drilling to the producing interval on the Joint Property; also, preliminary expenditures necessary in preparation for drilling and expenditures incurred in abandoning when the well is not completed as a producer, and original cost of construction or installation of fixed assets, the expansion of fixed assets and any other project clearly discernible as a fixed asset, except Major Construction as defined in Paragraph 2 of this Section III. All other costs shall be considered as operating.

## 2. Overhead - Major Construction

To compensate Operator for overhead costs incurred in the construction and installation of fixed assets, the expansion of fixed assets, and any other project clearly discernible as a fixed asset required for the development and operation of the Joint Property, Operator shall either negotiate a rate prior to the beginning of construction, or shall charge the Joint Account for overhead based on the following rates for any Major Construction project in excess of \$ 25,000.00 :

- A. 5 % of first \$100,000 or total cost if less, plus  
 B. 3 % of costs in excess of \$100,000 but less than \$1,000,000, plus  
 C. 2 % of costs in excess of \$1,000,000.

Total cost shall mean the gross cost of any one project. For the purpose of this paragraph, the component parts of a single project shall not be treated separately and the cost of drilling and workover wells and artificial lift equipment shall be excluded.

## 3. Catastrophe Overhead

To compensate Operator for overhead costs incurred in the event of expenditures resulting from a single occurrence due to oil spill, blowout, explosion, fire, storm, hurricane, or other catastrophes as agreed to by the Parties, which are necessary to restore the Joint Property to the equivalent condition that existed prior to the event causing the expenditures, Operator shall either negotiate a rate prior to charging the Joint Account or shall charge the Joint Account for overhead based on the following rates:

- A. 5 % of total costs through \$100,000; plus  
 B. 3 % of total costs in excess of \$100,000 but less than \$1,000,000; plus  
 C. 2 % of total costs in excess of \$1,000,000.

Expenditures subject to the overheads above will not be reduced by insurance recoveries, and no other overhead provisions of this Section III shall apply.

## 4. Amendment of Rates

The overhead rates provided for in this Section III may be amended from time to time only by mutual agreement between the Parties hereto if, in practice, the rates are found to be insufficient or excessive.

## IV. PRICING OF JOINT ACCOUNT MATERIAL PURCHASES, TRANSFERS AND DISPOSITIONS

Operator is responsible for Joint Account Material and shall make proper and timely charges and credits for all Material movements affecting the Joint Property. Operator shall provide all Material for use on the Joint Property; however, at Operator's option, such Material may be supplied by the Non-Operator. Operator shall make timely disposition of idle and/or surplus Material, such disposal being made either through sale to Operator or Non-Operator, division in kind, or sale to outsiders. Operator may purchase, but shall be under no obligation to purchase, interest of Non-Operators in surplus condition A or B Material. The disposal of surplus Controllable Material not purchased by the Operator shall be agreed to by the Parties.

## 1. Purchases

Material purchased shall be charged at the price paid by Operator after deduction of all discounts received. In case of Material found to be defective or returned to vendor for any other reasons, credit shall be passed to the Joint Account when adjustment has been received by the Operator.

## 2. Transfers and Dispositions

Material furnished to the Joint Property and Material transferred from the Joint Property or disposed of by the Operator, unless otherwise agreed to by the Parties, shall be priced on the following basis exclusive of cash discounts:

## A. New Material (Condition A)

### (1) Tubular Goods Other than Line Pipe

- (a) Tubular goods, sized 2½ inches OD and larger, except line pipe, shall be priced at Eastern mill published carload base prices effective as of date of movement plus transportation cost using the 80,000 pound carload weight basis to the railway receiving point nearest the Joint Property for which published rail rates for tubular goods exist. If the 80,000 pound rail rate is not offered, the 70,000 pound or 90,000 pound rail rate may be used. Freight charges for tubing will be calculated from Lorain, Ohio and casing from Youngstown, Ohio.
- (b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus transportation cost from that mill to the railway receiving point nearest the Joint Property as provided above in Paragraph 2.A.(1)(a). For transportation cost from points other than Eastern mills, the 30,000 pound Oil Field Haulers Association interstate truck rate shall be used.
- (c) Special end finish tubular goods shall be priced at the lowest published out-of-stock price, f.o.b. Houston, Texas, plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate, to the railway receiving point nearest the Joint Property.
- (d) Macaroni tubing (size less than 2½ inch OD) shall be priced at the lowest published out-of-stock prices f.o.b. the supplier plus transportation costs, using the Oil Field Haulers Association interstate truck rate per weight of tubing transferred, to the railway receiving point nearest the Joint Property.

### (2) Line Pipe

- (a) Line pipe movements (except size 24 inch OD and larger with walls ¾ inch and over) 30,000 pounds or more shall be priced under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
  - (b) Line pipe movements (except size 24 inch OD and larger with walls ¾ inch and over) less than 30,000 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment, plus 20 percent, plus transportation costs based on freight rates as set forth under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
  - (c) Line pipe 24 inch OD and over and ¾ inch wall and larger shall be priced f.o.b. the point of manufacture at current new published prices plus transportation cost to the railway receiving point nearest the Joint Property.
  - (d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at prices agreed to by the Parties.
- (3) Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property.
  - (4) Unused new Material, except tubular goods, moved from the Joint Property shall be priced at the current new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. Unused new tubulars will be priced as provided above in Paragraph 2 A (1) and (2).

## B. Good Used Material (Condition B)

Material in sound and serviceable condition and suitable for reuse without reconditioning:

### (1) Material moved to the Joint Property

At seventy-five percent (75%) of current new price, as determined by Paragraph A.

### (2) Material used on and moved from the Joint Property

- (a) At seventy-five percent (75%) of current new price, as determined by Paragraph A, if Material was originally charged to the Joint Account as new Material or
- (b) At sixty-five percent (65%) of current new price, as determined by Paragraph A, if Material was originally charged to the Joint Account as used Material.

### (3) Material not used on and moved from the Joint Property

At seventy-five percent (75%) of current new price as determined by Paragraph A.

The cost of reconditioning, if any, shall be absorbed by the transferring property.

## C. Other Used Material

### (1) Condition C

Material which is not in sound and serviceable condition and not suitable for its original function until after reconditioning shall be priced at fifty percent (50%) of current new price as determined by Paragraph A. The cost of reconditioning shall be charged to the receiving property, provided Condition C value plus cost of reconditioning does not exceed Condition B value.

## (2) Condition D

Material, excluding junk, no longer suitable for its original purpose, but usable for some other purpose shall be priced on a basis commensurate with its use. Operator may dispose of Condition D Material under procedures normally used by Operator without prior approval of Non-Operators.

- (a) Casing, tubing, or drill pipe used as line pipe shall be priced as Grade A and B seamless line pipe of comparable size and weight. Used casing, tubing or drill pipe utilized as line pipe shall be priced at used line pipe prices.
- (b) Casing, tubing or drill pipe used as higher pressure service lines than standard line pipe, e.g. power oil lines, shall be priced under normal pricing procedures for casing, tubing, or drill pipe. Upset tubular goods shall be priced on a non upset basis.

## (3) Condition E

Junk shall be priced at prevailing prices. Operator may dispose of Condition E Material under procedures normally utilized by Operator without prior approval of Non-Operators.

## D. Obsolete Material

Material which is serviceable and usable for its original function but condition and/or value of such Material is not equivalent to that which would justify a price as provided above may be specially priced as agreed to by the Parties. Such price should result in the Joint Account being charged with the value of the service rendered by such Material.

## E. Pricing Conditions

- (1) Loading or unloading costs may be charged to the Joint Account at the rate of twenty-five cents (25¢) per hundred weight on all tubular goods movements, in lieu of actual loading or unloading costs sustained at the stocking point. The above rate shall be adjusted as of the first day of April each year following January 1, 1985 by the same percentage increase or decrease used to adjust overhead rates in Section III, Paragraph 1.A(3). Each year, the rate calculated shall be rounded to the nearest cent and shall be the rate in effect until the first day of April next year. Such rate shall be published each year by the Council of Petroleum Accountants Societies.
- (2) Material involving erection costs shall be charged at applicable percentage of the current knocked-down price of new Material.

## 3. Premium Prices

Whenever Material is not readily obtainable at published or listed prices because of national emergencies, strikes or other unusual causes over which the Operator has no control, the Operator may charge the Joint Account for the required Material at the Operator's actual cost incurred in providing such Material, in making it suitable for use, and in moving it to the Joint Property; provided notice in writing is furnished to Non-Operators of the proposed charge prior to billing Non-Operators for such Material. Each Non-Operator shall have the right, by so electing and notifying Operator within ten days after receiving notice from Operator, to furnish in kind all or part of his share of such Material suitable for use and acceptable to Operator.

## 4. Warranty of Material Furnished By Operator

Operator does not warrant the Material furnished. In case of defective Material, credit shall not be passed to the Joint Account until adjustment has been received by Operator from the manufacturers or their agents.

## V. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

## 1. Periodic Inventories, Notice and Representation

At reasonable intervals, inventories shall be taken by Operator of the Joint Account Controllable Material. Written notice of intention to take inventory shall be given by Operator at least thirty (30) days before any inventory is to begin so that Non-Operators may be represented when any inventory is taken. Failure of Non-Operators to be represented at an inventory shall bind Non-Operators to accept the inventory taken by Operator.

## 2. Reconciliation and Adjustment of Inventories

Adjustments to the Joint Account resulting from the reconciliation of a physical inventory shall be made within six months following the taking of the inventory. Inventory adjustments shall be made by Operator to the Joint Account for overages and shortages, but, Operator shall be held accountable only for shortages due to lack of reasonable diligence.

## 3. Special Inventories

Special inventories may be taken whenever there is any sale, change of interest, or change of Operator in the Joint Property. It shall be the duty of the party selling to notify all other Parties as quickly as possible after the transfer of interest takes place. In such cases, both the seller and the purchaser shall be governed by such inventory. In cases involving a change of Operator, all Parties shall be governed by such inventory.

## 4. Expense of Conducting Inventories

- A. The expense of conducting periodic inventories shall not be charged to the Joint Account unless agreed to by the Parties.
- B. The expense of conducting special inventories shall be charged to the Parties requesting such inventories, except inventories required due to change of Operator shall be charged to the Joint Account.

**Section III, Overhead Addendum:**

1. iv. **The parties agree the overhead rates shall include, but not be limited to, the following functions, regardless of whether performed by Operator, Operator's Affiliates, or by third parties:**

**Administrative & Accounting**

**Accounting & Disbursing  
Producer gas balancing  
Taxes  
Office services  
Billing & Collection  
Data processing (other than computer production control)  
Human Resources  
Accounting systems and procedures  
Auditing**

**Operations Support Functions**

**Coordination, planning & follow-up  
Design & drafting  
Materials procurement  
Inventory taking and reconciliation  
Gas dispatching and control  
Obtaining permits, certificates  
Warehousing  
Off-site environmental compliance & reporting  
Technical Employees and other labor not permitted as a direct charge under Section II.3 or Section III.1 (ii) and (iii).  
Field office expenses associated with engineering and administrative/accounting personnel located in the field.**

**General Management**

**Supervision or management not permitted as a direct charge in Section II.3  
Contract Negotiations (including, but not limited to, negotiations with vendors, contractors, landowners, mineral owners, etc.)**

**Legal Services not permitted as a direct charge under Section II.10.**

**"ONSHORE"**

**EXHIBIT "D-1"**

Attached to and made a part of that certain Operating Agreement dated April 1, 1997, by between BURLINGTON RESOURCES OIL & GAS COMPANY, as Operator, and Non-Operators.

**INSURANCE**

To protect against liability, loss or expense arising from damage to property, injury or death of any person or persons, incurred out of, in connection with, or resulting from the operations provided hereunder, Operator shall maintain in force during the entire period of this agreement the following Schedule A insurance coverage for the benefit of the joint account. Schedule B coverages are the minimum limits and type of insurances required to be maintained by Operator and each Non-Operator as to their respective working interest. All Schedule A and Schedule B insurance shall be obtained from financially sound, Best rate B+ Class VI or above reliable insurance companies authorized to do business in the state in which the operations are to be performed. Each policy shall provide for a waiver of subrogation rights against the other signatory parties.

**SCHEDULE A - OPERATOR FOR THE JOINT ACCOUNT**

<b><u>COVERAGES</u></b>	<b><u>LIMITS OF LIABILITY</u></b>
a. Workers' Compensation	Statutory
b. Employers' Liability	Combined Single Limit Per occurrence of \$1,000,000.

**SCHEDULE B - OPERATOR AND EACH NON-OPERATOR  
AS TO ITS WORKING INTEREST**

Each working interest owner's insurance is intended to cover such owner's working interest in the Joint Account and its coverages respond to such owner's pro-rata share of any Joint Account loss.

<b><u>COVERAGES</u></b>	<b><u>LIMITS OF LIABILITY</u></b>
a. Comprehensive General Liability including Personal Injury, Premises/ Operations coverage, Pollution Coverage, Owners and Contractors Protective Liability, Contractual Liability, Products and Completed Operation Liability	
Bodily Injury Liability/ Property Damage Liability	Combined Single Limit Per occurrence of \$1,000,000
b. Comprehensive Automobile Liability including coverage of Owned and Non-Owned Automobiles and Hired Car coverage	
Bodily Injury Liability/ Property Damage Liability	Combined Single Limit Per occurrence of \$1,000,000

- c. Control of Well including Clean-Up, Containment, Seepage, Pollution, Contamination, and Redrilling Expense (This coverage is maintained for the term of the agreement.)
- Per occurrence of each working interest owner's share of \$5,000,000, but not less than \$1,000,000

**EXAMPLE:** A Non-Operator owning a 30% working interest in the Joint Account properties is required to carry a minimum of 30% x \$5,000,000 or \$1,500,000 Control of Well coverage, but a 4% Working Interest Owner is required to carry a minimum of \$1,000,000 coverage.

**Note:** If a Non-Operator elects not to purchase Control of Well coverage direct to protect his working interest, he may elect to participate in Operator's coverage at a premium rate heretofore determined by Operator and available to all Non-Operators upon request.

- d. If Aircraft, including helicopters, are used in operations, include Aircraft Liability, Passenger Liability and Property Damage Liability Insurance, covering Owned, Non-Owned Aircraft and Hired Aircraft
- Combined Single Limit  
Per occurrence of \$5,000,000

- e. If Watercraft are used in any inland operations:
- (a) Protection and Indemnity Insurance on the SP23 form or equivalent, (or, in the alternative, deletion of the watercraft exclusion from the Comprehensive General Liability Policy)
- Combined Single Limit  
Per occurrence of \$10,000,000
- (b) Hull and Machinery Insurance to the market value of the vessel or \$1,000,000, whichever is greater, on the American Institute Hull Clause (June 2, 1977) form or its equivalent

**Exhibit "D" continued**

**Page 3 of 3**

- f. Property (excluding Business Interruption) Blanket limit

Operator may include the Schedule A coverage for the joint account under its self insurance program provided Operator complies with applicable laws, and in such an event Operator shall charge to the Joint Account manual rate premiums.

Operator, as a working interest owner, shall also obtain for his own account the minimum insurances and limits required by Schedule B. These insurances obtained by Operator and Non-Operators will respond to a loss on a pro-rata working interest basis, and not as primary, to any other valid and collectible insurances. Non-Operators will not be additional insurers on Operator's policy unless specifically agreed to by Operator and the appropriate premium charged Non-Operator. Failure of the Operator to maintain its required Schedule A and Schedule B insurance coverages shall be deemed cause for removal of Operator as the operator of the joint properties at the option of a majority in interests of the Non-Operators as provided in the Joint Operating Agreement to which this Exhibit "D" is attached.

Operator shall not be obligated to obtain or carry on behalf of the Joint Account any insurance additional to Schedule A but may, at its discretion, provide additional coverage to a Non-Operator(s) for the operations to be conducted hereunder. Each Non-Operator shall acquire at its own expense the Schedule B coverage and such excess insurance as it deems proper to protect itself against claims, losses, or damages arising out of the joint operations. Such insurance shall include a waiver of subrogation against the other Parties in respect of their interest hereunder. Joint Account deductibles and uninsured losses shall be borne by the Parties in proportion to their respective working interests.

Deductibles and/or limits established by Operator's Schedule A coverages shall apply to all Non-Operators on a working interest share basis and premiums for Schedule A coverage, losses falling within the deductible, or which exceed insurable limits, or which are otherwise not covered by insurance will be expenses of the Joint Account.

Each Non-Operator shall furnish Operator with Certificates of Insurance evidencing satisfactory Schedule B coverages are in force, and Operator shall furnish each Non-Operator, upon request, with Certificates of Insurance evidencing Schedule A coverage and all Schedule B coverages that are in force.

The Certificates of Insurance specifying Schedule B coverage must be provided by each Non-Operator to Operator within 10 working days from execution hereof or commencement of operations hereunder, whichever is earlier. Non-Operators shall supply Operator "Certificate of Insurance" annually, during the term of this agreement. Failure of a Non-Operator to provide Certificates of Insurance within the required time period will authorize Operator to either (i) purchase the required insurance for such Non-Operator and bill the Non-Operator for the cost thereof, (ii) add the Non-Operator as an additional insured to the Operator's policy and automatically allocate, without refund, the first year's insurance premium to the Non-Operator, or (iii) notify the other Non-Operators that the Non-Operator's working interest is uninsured or underinsured.

Operator shall promptly notify Non-Operators in writing of all losses involving damage to a Joint Account property in excess of \$250,000.

Operator shall require all contractors engaged in operations under this Agreement to comply with the applicable Worker's Compensation laws and to maintain such other insurance and in such amounts as Operator deems necessary.

## EXHIBIT "D-2"

Attached to and made a part of that certain Operating Agreement dated April 1, 1997, by between BURLINGTON RESOURCES OIL & GAS COMPANY, as Operator, and Non-Operators.

1. Operator shall carry insurance as follows for the benefit and protection of the Parties to this Agreement.
  - a. Worker's Compensation Insurance in accordance with laws of governmental bodies having jurisdiction including, if applicable, Unites States Longshore and Harbor Workers' Compensation Act with Outer Continental Shelf Extension and Employers' Liability Insurance. Employers' Liability Insurance shall provide coverage of \$500,000 per accident.
  - b. Operator may include the aforesaid risks under its qualified self-insurance program provided Operator complies with applicable laws, and in such an event Operator shall charge to the Joint Account, its actual cost, not to exceed a premium determined by applying manual insurance rates to the payroll.
2. Operator shall not be obligated or authorized to obtain or carry on behalf of the Joint Account any additional insurance covering the Parties or the operations to be conducted hereunder without the consent and agreement of all Parties. Each Party individually may acquire as its own expense such insurance as it deems proper to protect itself against claims, losses, or damages arising out of the joint operations. All uninsured losses and all damages to jointly owned property shall be borne by the Parties in proportion to their respective interests.
3. Operator shall promptly notify non-operators in writing of all losses involving damage to a jointly owned property in excess of \$100,000.
4. Operator shall require all contractors engaged in operations under this Agreement to comply with the applicable Worker's Compensation laws and to maintain such other insurance and in such amounts as Operator deems necessary.
5. In the event that less than all Parties participate in an operation conducted under the terms of this Agreement, then the insurance requirement and costs, as well as all losses, liabilities, and expenses incurred as the result of such operation, shall be the burden of the Party or Parties participating therein.

## EXHIBIT "E"

Attached to and made a part of that certain Operating Agreement dated April 1, 1997, by and between BURLINGTON RESOURCES OIL & GAS COMPANY, as Operator, and Non-Operators.

### GAS BALANCING AGREEMENT

#### ARTICLE I Definitions

1.01 For the purposes of this Agreement, the terms set forth below shall have the meanings herein ascribed to them.

(a) "Balance" is the condition existing when a Party has disposed of a cumulative volume of Gas from a Well which is equal to such Party's Percentage Ownership of the total cumulative volume of Gas disposed of by all Parties from such Well. For purposes of Balancing, references herein to price, value and volume shall be adjusted or calculated on a Btu basis.

(b) "Btu" is one British thermal unit, which is the amount of heat required to raise the temperature of one pound of water one degree Fahrenheit from 58.5° Fahrenheit to 59.5° Fahrenheit, at 14.73 pounds per square inch absolute. The term "MMBtu" refers to one million (1,000,000) Btu's.

(c) "FERC" refers to the Federal Energy Regulatory Commission, or any similar or successor agency, state or federal.

(d) "Gas" includes all hydrocarbons produced or producible from a Well, whether a Well classified as an oil Well or gas Well by the regulatory agency having jurisdiction in such matters, which are or may be made available at the Measurement Point for sale or separate disposition by the Parties, excluding oil, condensate and other liquids separated upstream from the Measurement Point. "Gas" does not include gas used for joint operations, or gas which is vented or lost, prior to delivery at the Measurement Point. Reference herein to the right to "dispose of" Gas or Gas "disposed of" includes all methods of disposition of Gas, including taking in kind, delivering in kind to a Lessor, sales to a Party or third party or an affiliate, or gas used by a Party for purposes other than joint operations.

(e) "Imbalance" refers to either the Overproduction of an Overproduced Party or the Underproduction of an Underproduced Party, as applicable.

(f) "Make-up Gas" refers to that incremental volume of Gas, up to but not exceeding forty percent (40%) of the Percentage Ownership of an Overproduced Party in the Gas which can be produced from a Well which an Underproduced Party is entitled to dispose of in accordance with this Agreement in order to make up its Imbalance.

(g) "Mcf" means the quantity of Gas occupying a volume of one thousand (1,000) cubic feet at a temperature of sixty degrees Fahrenheit (60°F) and a pressure of fourteen and seventy-three hundredths pounds per square inch absolute (14.73 psia).

(h) "Measurement Point" refers to the outlet side of the jointly owned production facilities, or such other point mutually agreeable where Gas from a Well is measured after the separation of oil, condensate or other liquids.

(i) "Operator" refers to the Operator under the terms of the Operating Agreement.

(j) "Overproduced" is the condition existing when a Party has disposed of a greater cumulative volume of Gas from a Well than its Percentage Ownership of the total cumulative volume of Gas disposed of by all Parties from such Well.

(k) "Party" means any party subject to the Operating Agreement. "Parties" means all parties subject to the Operating Agreement.

(l) The "Percentage Ownership" of each Party is equal to that Party's percentage or fractional interest in a Well, as determined under the terms of the Operating Agreement.

(m) "Underproduced" is the condition existing when a Party has disposed of a lesser cumulative volume of Gas from a Well than its Percentage Ownership of the total cumulative volume of Gas disposed of by all Parties from such Well.

(n) The terms "Underproduction" and "Overproduction" refer to that lesser or greater incremental volume of Gas which a Party would have disposed of from a Well, on a monthly or cumulative basis, if it had disposed of its Percentage Ownership of Gas from that Well.

(o) "Well" means a well drilled on the Contract Area covered by the Operating Agreement and capable of producing Gas.

1.02 Unless the context clearly indicates to the contrary, words used in the singular include plural, the plural includes the singular, and the neuter gender includes the masculine and the feminine.

## **ARTICLE II**

### **Scope and Term of Agreement**

2.01 This Agreement establishes a separate gas balancing agreement for each Well covered by the Operating Agreement to the same extent as if a separate Gas Balancing Agreement had been executed for each such Well.

2.02 The Agreement shall terminate, separately as to each Well, the earlier of (a) when the oil and gas lease(s) covering the Well terminate, or (b) when production from such Well permanently ceases and the Gas accounts for such Well are brought into Balance pursuant to this Agreement.

## **ARTICLE III**

### **Right to Produce and Ownership of Gas**

3.01 Subject to the rights of an Underproduced Party to produce and dispose of Make-up Gas pursuant to this Agreement, each Party shall own and be entitled to produce and dispose of its Percentage Ownership of Gas which can be produced from a Well. During any month when a Party does not dispose of its entire Percentage Ownership of such Gas, the other Parties shall be entitled to produce and dispose of all or any portion of such Gas; provided, that to the extent such Parties desire to dispose of more Gas than is available, they shall share in such Gas in the proportion that each such Party's Percentage Ownership bears to the combined Percentage Ownership of all Parties desiring to dispose of such Gas.

3.02 As between the Parties hereto, each Party shall own and be entitled to the Gas disposed of by such Party for its sole account, and the proceeds thereof, including constituents contained therein that are recovered downstream from the Measurement Point. If at any time, and from time to time, a Party is Underproduced with respect to a Well, its Underproduction shall be deemed to be in storage in the Well, subject to the right of such Party to produce and dispose of such Gas at a later time.

**ARTICLE IV**  
**Make-Up Gas**

4.01 In order to make up an Imbalance, each Underproduced Party in a Well shall have the right, after twenty (20) days written notice to all parties, to produce and dispose of Make-Up Gas, subject to the following rules:

(a) An Overproduced Party shall not be required to furnish Make-Up Gas unless an Underproduced Party is first taking or disposing of its full Percentage Ownership of Gas from a Well; and

(b) An Overproduced Party shall not be required under any circumstances to reduce its takes to less than its Percentage Ownership of Gas which can be produced from a Well during the months of January, February, and December of a calendar year; and

(c) An Overproduced Party shall not be required under any circumstances to reduce its takes to less than sixty percent (60%) of such Overproduced Party's Percentage Ownership of Gas which can be produced from a Well; and

(d) If there is more than one Overproduced Party, the Make-Up Gas will be taken from the Overproduced Parties in the proportion that each Overproduced Party's Percentage Ownership in a Well bears to the total Percentage Ownership of all Overproduced Parties in that Well; and

(e) If there is more than one Underproduced Party who desires and is able to dispose of Make-Up Gas in a month, each Underproduced Party will share in the Make-Up Gas in the proportion which its Percentage Ownership in a Well bears to the total Percentage Ownership of all Underproduced Parties in that Well disposing of Make-Up Gas that month.

4.02 The provisions of this Article IV shall constitute an Underproduced Party's exclusive rights and an Overproduced Party's exclusive obligations with regard to the right of an Underproduced Party to require an Overproduced Party to furnish Make-Up Gas.

4.03 Nothing herein shall be construed to deny any Party the right from time to time to produce and deliver its full Percentage Ownership of Gas in a Well for the purpose of conducting deliverability tests pursuant to its gas purchase contracts.

**ARTICLE V**  
**Balancing of Gas Accounts**

5.01 The Operator shall have the right of controlling production and deliveries of Gas and administering the provisions of this Agreement. The Operator shall use its best efforts to cause Gas to be delivered at the Measurement Point in such a manner and at such rates as may be required, from time to time, to give effect to the intent that any Imbalances shall be brought into Balance in accordance with the provisions hereof. The Operator shall only be liable for its failure to make deliveries of Gas in accordance with the terms of this Agreement if such failure is due to its gross negligence or willful misconduct.

5.02 The Operator will maintain a separate Gas account for each Party and Well. The Operator will furnish each party quarterly a report showing the total Mcf of gas produced from each Well, the Mcf used in joint operations, or which was vented or lost, the Mcf of Gas disposed by each Party, each Party's Overproduction or Underproduction for each month during the preceding calendar quarter, and the cumulative Imbalance of all Parties in each Well at the end of each month during such quarter. In the event that production from each Well is not separately measured, then the Operator will allocate production to each Well on the basis of periodic test or such other methods as are commonly used and accepted in the industry. The Imbalance of an Underproduced Party shall be made up on a month-to-month basis and in the order of accrual; i.e., any Gas taken by an Underproduced Party over and above the monthly amount attributable to its Percentage Ownership shall be credited against and offset its first Underproduction from time-to-time.

# BURLINGTON RESOURCES

SAN JUAN DIVISION

May 30, 1997

Lee Wayne Moore and  
JoAnn Montgomery Moore  
Trustees of the Moore Loyal Trust,  
U/T/A dated August 20, 1979  
403 N. Marienfield  
Midland, TX 79701

BEFORE EXAMINER CATANACH  
OIL CONSERVATION DIVISION

EXHIBIT NO. U  
CASE NO. 11808 + 11809

**RE:** Marcotte #2 Well  
Pennsylvanian formation  
Arch Rock Prospect  
Proposed depth 14,000'  
ALL Section 8, T31N-R10W  
639.78 acres, more or less  
San Juan County, New Mexico

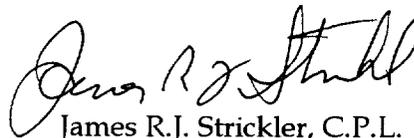
Dear Mr. Moore:

Please reference my letter dated April 22, 1997 regarding the captioned well. As of this writing I have not received a response from your company concerning our proposal. Burlington Resources Oil & Gas Company (Burlington), is ready to drill this well as soon as possible. In that regard should we not hear from you in the near future we will be forced to pursue compulsory pooling under the rules and regulations of the State of New Mexico Oil Conservation Division.

Per your request, please find enclosed a copy of a land ownership map of the subject prospect area.

If we can be of any assistance in your review of the proposal please call me at (505) 326-9756, or Mike Dawson (Geologist) at (505) 326-9770.

Yours very truly,

  
James R.J. Strickler, C.P.L.  
Senior Staff Landman

JRS:dg  
farm\_mor.doc

**Tom E. Moore**  
**403 N. Marienfeld**  
**Midland, Texas 79701**  
**(915) 682-8697**

July 1, 1997

Mr. James Strickler  
Burlington Resources  
P.O. Box 4289  
Farmington, NM 87499-4289

BEFORE EXAMINER CATANACH	
OIL CONSERVATION DIVISION	
EXHIBIT NO.	V
CASE NO.	11808 & 11809

Re: Marcotte #2 Well  
Section 8, T31N - R10W  
639.78 acres, more or less  
San Juan County, NM

Mr. Strickler:

The Moore Loyal Trust proposes to farm out their interest in Section 8 - T31N-R10W, San Juan County, NM to Burlington Resources on the following basis:

- A. Moore will deliver to Burlington a 60% NRI Lease, thus reserving to Farmor an overriding royalty equal to 27.5%, proportionately reduced.
- B. At payout of initial test well, Moore shall have the option to convert the reserved overriding royalty to a 40% working interest, proportionately reduced.
- C. In the event that the Marcotte #2 is a non-commercial well, Moore's full, not reduced, interests shall be reassigned to him within 30 days.
- D. In the event that the Marcotte #2 is non-commercial and is utilized in any revenue earning capacity, Moore shall share, at no reduction of interest, in the monies.
- E. This farmout proposal applies only to Section 8, T31 - R10 of San Juan County, New Mexico and does not commit Moore's interest in any other sections or areas.
- F. The drilling of the Marcotte #2 must commence by September 1, 1997.

James, if this proposal meets with your approval, please draw up the agreement and send it to me.

Thank you for your help with this problem.

Sincerely,

Tom E. Moore

TEM/pb

# Lee Wayne Moore and JoAnn Montgomery Moore, Trustees' Ownership and Expense Burdens Marcotte Well No. 2

## Moore's Well Cost Contribution on a Participation Basis

Moore's Ownership in Section 8:	2.25%
2.25% x Dry Hole Cost of \$1,713,800	\$38,590
2.25% x Completion Cost of \$2,316,973	\$52,171

## Moore's Well Cost Contribution on a Nonconsent Basis

2.25% x Dry Hole Cost of \$1,713,800 x 300%	\$115,769
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Burlington Ownership in Section 8:	9.31%
9.31% x Dry Hole Cost of \$1,713,800	\$159,562
9.31% x Completion Cost of \$2,316,973	\$215,721

<b>BEFORE EXAMINER CATANACH</b>	
<b>OIL CONSERVATION DIVISION</b>	
EXHIBIT NO.	W
CASE NO.	11808 + 11809