

DISTRICT I
P.O. Box 1980 Hobbs NM 88241 1980

DISTRICT II
911 South First St. Artesia NM 88210 2835

DISTRICT III
1000 Rio Brazos Rd. Aztec NM 87410 1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

Form C-107-A
New 3-12-96

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS
☒ Administrative ☐ Hearing
EXISTING WELLBORE
☐ YES ☒ NO

Conoco Inc. 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500
Address

Newberry COM #1M Section 5, T-31-N, R-12-W, O San Juan
Lease Well No Unit Ltr Sec Twp Rge County

OGRID NO 005073 Property Code API NO
Spacing Unit Lease Types (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling	Upper Zone	Intermediate Zone	Lower Zone
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2 TOP and Bottom of Pay Section (Perforations)	4415-4915'		6915-7015'
3 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5 Bottomhole Pressure Oil Zones - Artificial Lift Gas & Oil - Flowing All Gas Zones Estimated Or Measured Original	a (Current) 580 b(Original) 1232		852 2281
6 Oil Gravity (°API) or Gas BT Content	1200 EST		1200 EST
7 Producing or Shut-In?	To Be Completed		To Be Completed
Production Marginal? (yes or no)	No		Yes
- If Shut-In give date and oil/gas/water rates of last production Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data.	Date Rates	Date Rates	Date Rates
- If Producing, date and oil/gas/water rates of recent test (within 60 days)	To be supplied upon completion	To be supplied upon completion	To be supplied upon completion
8 Fixed Percentage Allocation Formula - % of each zone	% Gas %	% Gas %	% Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No ☐
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No ☐

11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions ORDER NO(S):

16. ATTACHMENTS

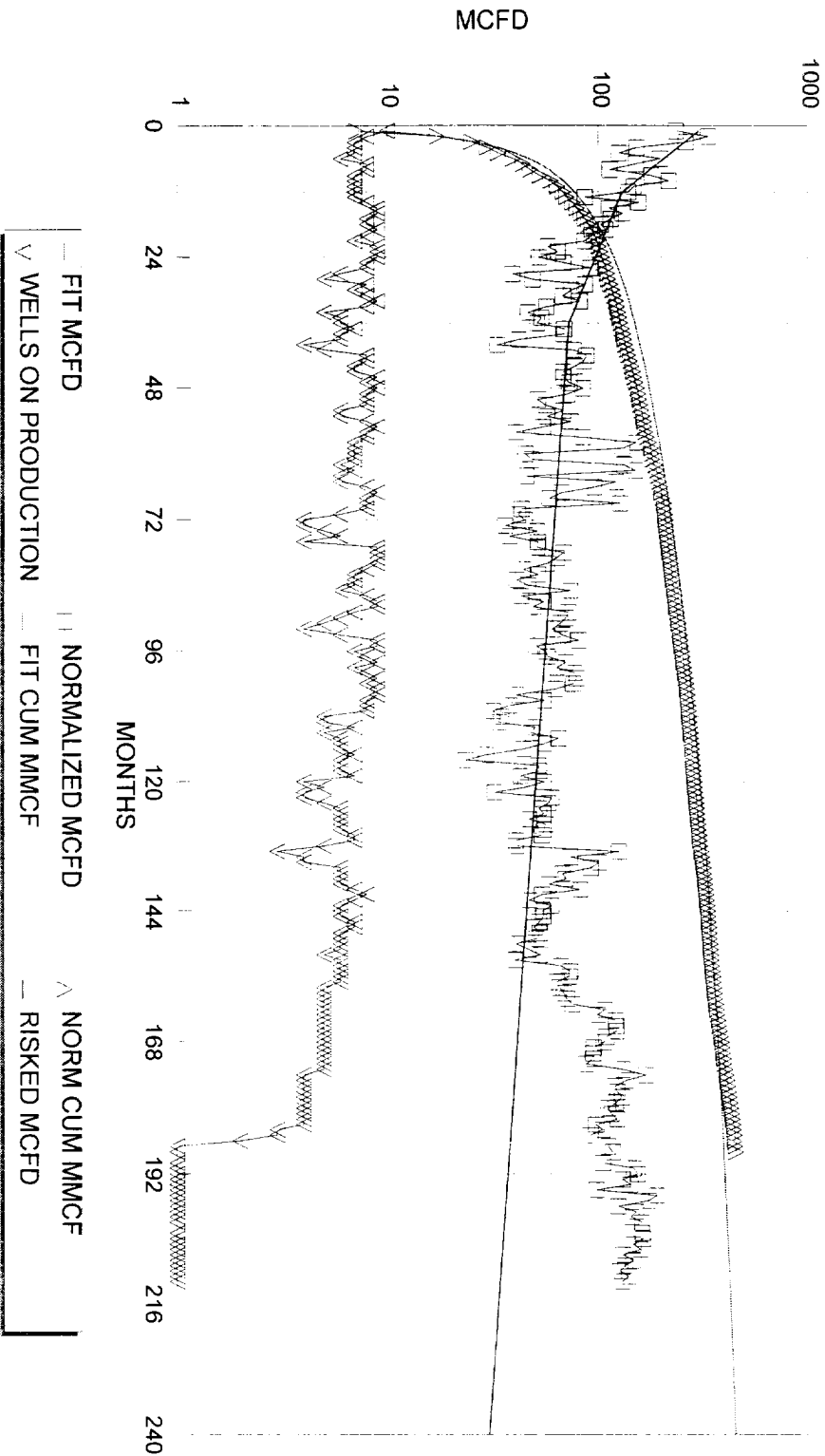
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 6/6/98

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

NORMALIZED DAKOTA PRODUCTION
10 WELLS SINCE 1980; OFFSET TO SECTION 5-31N-12W



NORMALIZED AVG:

492 MMCF EUR
 454 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0037 bbl/mcf oil yield

RISKED AVG:

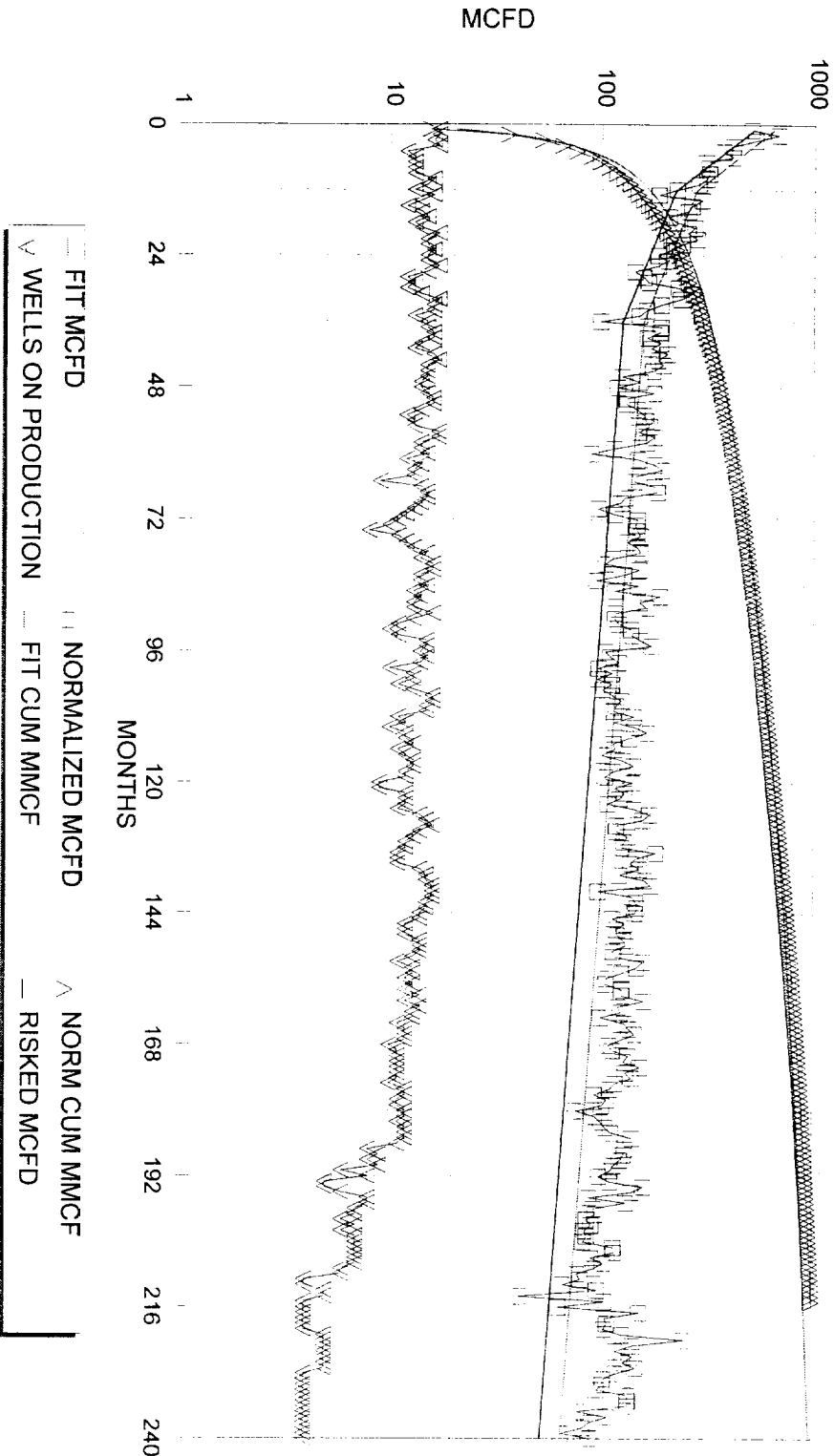
325 MCFD IP
 60% DECLINE, 1ST 12 MONTHS
 25% DECLINE, NEXT 24 MONTHS
 5.0% FINAL DECLINE

0% RISK

492 MMCF EUR
 454 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0037 bbl/mcf oil yield

325 MCFD IP
 60.0% DECLINE, 1ST 12 MONTHS
 25.0% DECLINE, NEXT 24 MONTHS
 5.0% FINAL DECLINE

NORMALIZED MESAVERDE PRODUCTION
17 WELLS SINCE 1977, OFFSET TO SECTION 5-31N-12W



NORMALIZED AVG:

1266 MMCF EUR
 977 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0039 bbl/mcf oil yield

RISKED AVG:

700 MCFD IP
 60% DECLINE, 1ST 12 MONTHS
 25% DECLINE, NEXT 24 MONTHS
 5.0% FINAL DECLINE

20% RISK

977 MMCF EUR
 781 MMCF IN 20 YRS
 25 MCFD E.L.
 0.0039 bbl/mcf oil yield

560 MCFD IP
 60.0% DECLINE, 1ST 12 MONTHS
 25.0% DECLINE, NEXT 24 MONTHS
 5.0% FINAL DECLINE

Oil Conservation Division
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Subject to appropriate District Office
State License # 4-120481
FEB 23 1998

Oil Conservation Division
PO Box 2088, Santa Fe, NM 87504-2088

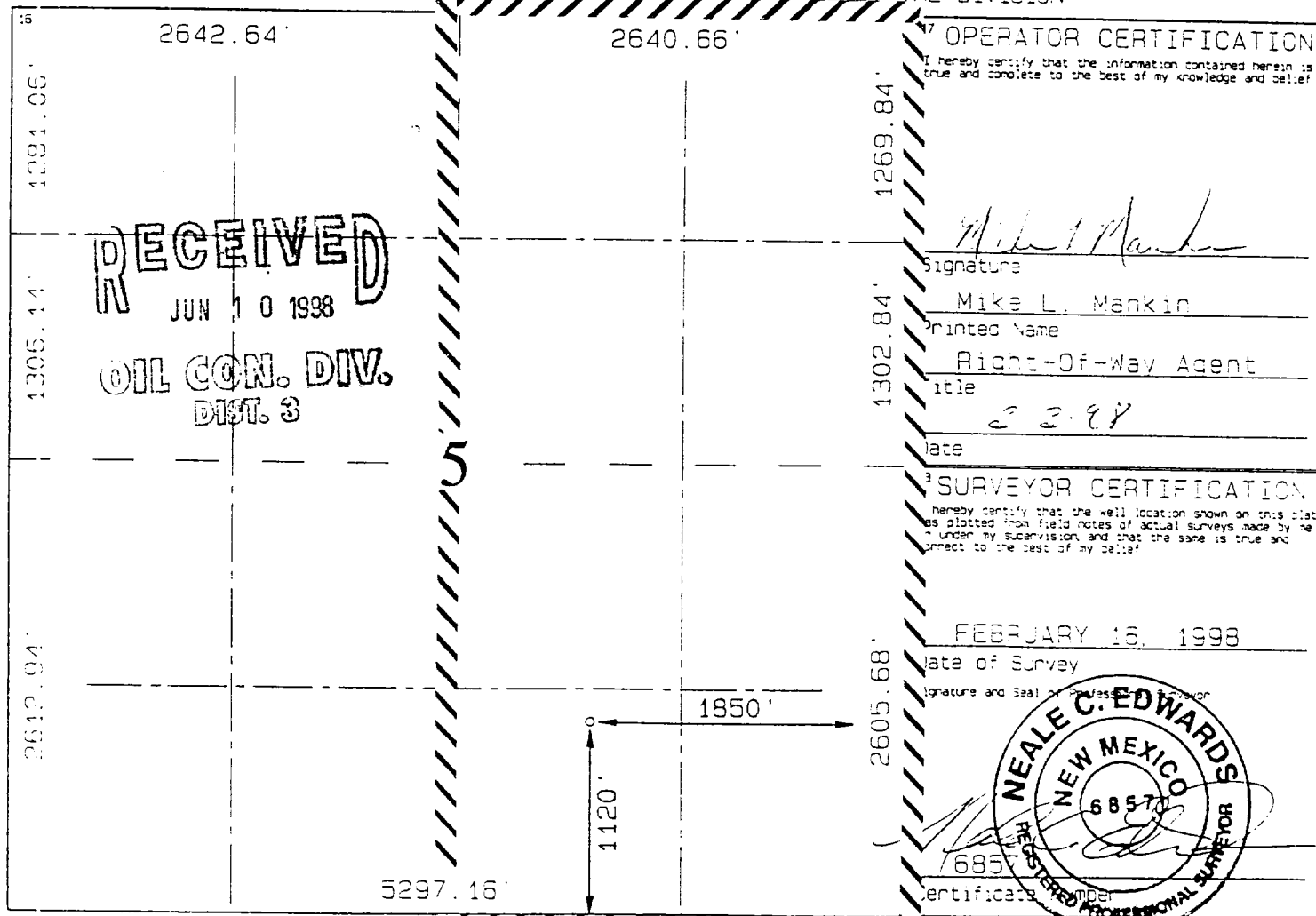
Oil Conservation Division
PO Box 2088, Santa Fe, NM 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 72319 / 71599		*Pool Name BLANCO MESAVERDE / BASIN, DAKOTA					
*Property Code		*Property Name NEWBERRY COM						*Well Number 1M	
*OGRID No. C05073		*Operator Name CONOCO, INC.						*Elevation 6005'	
10 Surface Location									
11 on lot no. 0	Section 5	Township 31N	Range 12W	Lot (on)	Feet from the 1120	North/South line SOUTH	Feet from the 1850	East/West line EAST	County SAN JUAN
11 Bottom Hole Location If Different From Surface									
11 on lot no.	Section	Township	Range	Lot (on)	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320					13 Joint or Infill		14 Consolidation Code		15 Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Newberry COM # 1M
Section 5, T-31-N, R-12-W, O
San Juan County, New Mexico

RE: Downhole Commingle C-107A
Mesaverde & Dakota

Offset Operators:

Burlington Resources
PO Box 4289
Farmington, NM 87499

Chateau Oil & Gas
5950 Berkshire Ln STE 275
Dallas, TX 75225

Amoco
PO Box 800
Denver, Co 80226

Marathon
PO Box 3128
Houston, TX 77253-3128

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO SF 078146	
2. NAME OF OPERATOR Conoco Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 915-686-5794		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1120' FSL & 1850' FEL At proposed prod. zone 1120' FSL & 1850' FEL		8. FARM OR LEASE NAME WELL NO NEWBERRY COM #1M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		9. API WELL NO	
5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if Any)		10. FIELD AND POOL, OR WILDCAT Blanco MV / Basin Dakota	
6. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		11. SEC., T., R., M., OR BLK AND SURVEY OR AREA Sec. 5, T31N, R12W	
16. NO OF ACRES IN LEASE		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE NM	
19. PROPOSED DEPTH 7306'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc) 6005' GR		22. APPROX. DATE WORK WILL START* 4/15/98	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55, 9-5/8"	36#	250'	135 sxs, circ.
8-3/4"	K-55, 7"	23#	2543'	310 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7006'	490 sxs, toc @ 2400'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. NOS was filed 2/21/98. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102).
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility Layout.
6. Pipeline survey plat.

RECEIVED
JUN 10 1998

OIL CON. DIV.
DIST. 3

This application includes ROW's for the well pad, access road and pipeline.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Mike L. Mankin TITLE Right-of-Way Agent DATE March 3, 1998
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY

APPROVED BY _____ TITLE _____ DATE _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Newberry COM #1M
Section 5, T-31-N, R-12-W, O
San Juan, New Mexico

RE: Downhole Commingle Application C107A

Interest Owners:

Virginia Whitmire Trust
C/O First National Bank
Trust Department
PO Box 1460
Iowa City, IA 52244

Mary C. Martin Trustee
510 East 15th Street
Farmington, NM 87401

William A Hall
416 N Behrend Ave
Farmington, NM 87401

Larry Amsden
172/10 Sukhumvit SOI 23
Bangkok, Thailand 10110

Patricia Ann Clark
PO Box 699
Fruita, CO 81521

Mary D. Gregory
PO Box 1531
Grants Pass, OR 97528

Charles W. Amsden
PO Box 4671
Yatahey, NM 87375

William J. Carey
C/O Comercia Bank TX
8111 LBJ Freeway STE 960
Dallas, TX 75251

Paul B Horton & Susan Horton
C/O McCall Parkhurst & Horton
900 Maxus Energy Tower
717 N. Harwood
Dallas, TX 75201-6538

Pattie A B Lundell, Est
Robert Walter Lundell Executor
1616 S. Voss # 870
Houston, TX 77057-2631

Cross Timbers Oil Co.
PO Box 840287
Dallas, TX 75284-0287

Mitzi H. Easley
3900 Dominion Cove
Austin, TX 78759-7300

Gladys Waterford Trust
Gladys Waterford Trustee
5455 La Sierra Dr. Apt 216
Dallas, TX 75231-4145

-2-

Roselyn Martin Trustee
PO Box 539
Farmington, NM 87499

Winifred Amsden Revocable Trust
1730 Ponderosa
Los Alamos, NM 87544

R.S. Culpepper Trustee
5703 Woodland CT
Farmington, NM 87402

Charles H. Culpepper Trustee
PO Box 958
Farmington, NM 87499

Union Oil Co of California
Union Oil & Gas Division
ATTN Revenue Accounting
PO Box 841055
Dallas, TX 75284-1055

Sarah S Mims Trust
William L Madison & Sarah S. Mims
PO Box 111846
Carrollton, TX 75011-1846

Phillips Petroleum
Attn Cash Receipts
Department 773
Tulsa, OK 74182

Robert Beamon Account
First National Bank Of Bellville
PO Box 128
Bellville, TX 77418-0128

Betsy Henderson Bryant
2201 Brookhollow
Abilene, TX 79605-5507

Harriet M Buchenau – Living Trust
Harriet M Buchenau Trustee
PO Box 867585
Plano, TX 75086-7585

Susan Henderson Ritter
PO Box 162606
Austin, TX 78716-2606

Burlington Resources
Oil & Gas Co.
PO Box 840656
Dallas, TX 75284-0656

Minerals MGT Service
Onshore Federal # 17555
PO Box 5810
Denver, CO 80217-5810

Henrietta E. Schultz Trustee
500 N Akard St.
Lincoln Plaza STE 2160
Dallas, TX 75201-3325

Please find attached evidence that the above listed parties have been notified of this Downhole Commingle (C107A) Application by certified mail on this the 8th day of June 1998.

P 497 374 030

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Mon Oil of Calif.
Street & Number	PO Box 841055
Post Office, State, & ZIP Code	

P 497 374 027

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Wm Fred Amsden Rev. Trust
Street & Number	1730 Ponderosa
Post Office, State, & ZIP Code	Las Alamos, Nm 87402

P 497 374 110

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Mitzi H. Easley
Street & Number	3902 Dominion Cove

P 497 374 058

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	McCAL Parkhurst & Horton
Street & Number	717 N. Harwood
Post Office, State, & ZIP Code	DALLAS, TX 75201-6538

P 497 374 055

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Mary D. Gregory
Street & Number	PO Box 1531
Post Office, State, & ZIP Code	Grants Pass, OR 97528

P 497 374 052

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	William A. Hall
Street & Number	116 N. Behrend Ave
Post Office, State, & ZIP Code	Farmington, Nm 87401
Postage	\$

P 497 374 027

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Charles H. Culpepper - Trustee
Street & Number	PO Box 658

P 497 374 032

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Roselyn Martin Trustee
Street & Number	PO Box 539
Post Office, State, & ZIP Code	Farmington, Nm 87499

P 497 374 060

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Cross Timbers Oil Co.
Street & Number	PO Box 840287
Post Office, State, & ZIP Code	DALLAS, TX 75284-0287

P 497 374 057

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	William J. Carey
Street & Number	8111 LBJ Freeway STE 960
Post Office, State, & ZIP Code	DALLAS, TX 75247-9600

P 497 374 054

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Patricia Ann Clark
Street & Number	PO Box 699
Post Office, State, & ZIP Code	Fruita, CO 81521

P 497 374 115

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Mary C. Martin - Trustee
Street & Number	510 East 15th Street
Post Office, State, & ZIP Code	Farmington, Nm 87401
Postage	\$

P 497 374 028

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	R.S. Culpepper Trustee
Street & Number	2110 Highland Ct

P 497 374 061

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Gladys Waterford Trustee
Street & Number	5455 Lasierra Dr. Apt. 216
Post Office, State, & ZIP Code	DALLAS, TX 75231-4145
Postage	\$

P 497 374 059

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Robert Walter Lindell Executor
Street & Number	1616 S. Voss #870
Post Office, State, & ZIP Code	Houston, TX 77057-2631

P 497 374 056

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Charles W. Amsden
Street & Number	PO Box 4671
Post Office, State, & ZIP Code	Catahoy, Nm 87375

P 497 374 053

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Larry Amsden
Street & Number	17210 Sukhumvit SO123

P 497 374 135

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Virginia Whitmore Trust
Street & Number	PO Box 1460
Post Office, State, & ZIP Code	Louis City, IA 52244
Postage	\$
Certified Fee	

P 497 374 122

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Robert Beaman	
Street & Number First National Bank Account	
Post Office, State, & ZIP Code PO Box 128 Bellville, Tx 77418-0128	
Postage	\$
Certified Fee	

P 497 374 121

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Phillips Petroleum	
Street & Number Department 723	
Post Office, State, & ZIP Code Tulsa, OK 74182	
Postage	\$
Certified Fee	

P 497 374 169

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Sarah H. Minns Trust	
Street & Number PO Box 111846	
Post Office, State, & ZIP Code Carrollton, Tx 75011-1846	
Postage	\$
Certified Fee	
Special Delivery Fee	

P 497 374 033

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Betsy Bryant	
Street & Number 2201 Brook hollow	
Post Office, State, & ZIP Code Hillene, Tx 79605-5507	
Postage	\$
Certified Fee	

P 497 374 123

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Harriet M. Buchenau	
Street & Number PO Box 867585	
Post Office, State, & ZIP Code Pano, Tx 75086-7585	
Postage	\$
Certified Fee	

P 497 374 168

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Susan Henderson R Her	
Street & Number PO Box 162606	
Post Office, State, & ZIP Code Austin, Tx 78716-2606	
Postage	\$
Certified Fee	

P 497 374 136

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Burlington Resources	
Street & Number PO Box 840656	
Post Office, State, & ZIP Code Dallas, Tx 75284-0656	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

P 497 374 137

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Minerals Mgmt Service	
Street & Number PO Box 5810	
Post Office, State, & ZIP Code Denver CO 80217-5810	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

P 497 374 138

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to Henrietta E Schultz - Trustee	
Street & Number 500 N Akard St Lincoln Plaza	
Post Office, State, & ZIP Code Dallas, Tx 75201-3325	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995

PS Form 3800, April 1995