

District I  
1625 N. French Drive, Hobbs, NM 88240

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

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

JUN 23 2005

Oil Conservation Division

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

OIL CONSERVATION  
DIVISION

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE

Single Well

Establish Pre-Approved Pools

EXISTING WELLBORE

X Yes No

DHC-3492

Caulkins Oil Company

1409 W. Aztec, Blvd., Suite B7, Aztec NM 87410

Operator

Address

BREECH "D"

240-E

UNIT F - SEC. 15-26N-6W

Rio Arriba

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 003824 Property Code 2458 API No. 30-039-23429 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Mesa Verde ✓	South Blanco Tocito ✓	Basin Dakota ✓
Pool Code	72319 ✓	06460 ✓	71599 ✓
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4640' - 5267'	6598' - 6585'	7101' - 7354'
Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1194	Estimated: 1286	1194
Producing, Shut-In or New Zone	Producing	New Zone	Producing
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: 12 month average Rate: Gas Oil Water 21 .142 .019 MCF/D Bbl Bbl	Date: Estimated Rate: Gas Oil Water 300 3 .50 MCF/D Bbl Bbl	Date: 12 month average Rate: Gas Oil Water 109 .335 .052 MCF/D Bbl Bbl
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 5 % 5 %	Oil Gas 86 % 70 %	Oil Gas 9 % 25 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

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

NMOCD Reference Case No. applicable to this well: DHC-1868-A, DHC-2069-A, DHC - 3187, DHC-2248, DHC-2102

Attachments:

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

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Robert L. Verquer TITLE Superintendent DATE June 15, 2005  
TYPE OR PRINT NAME Robert L. Verquer TELEPHONE NO. (505) 334-4323

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

NMNM-03553

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals)

2004 NOV 8 PM 2:15

RECEIVED

OTO FARMINGTON NM

1. Oil Well ☐ Gas Well ☐ Other ☐  
GAS WELL

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Well Name and No.

BREECH "D" 240-E

2. Name of Operator:

Caulkins Oil Company

9. API Well No.

30-039-23429-00C1

3. Address of Operator:

(505) 334-4323

1409 W. Aztec Blvd. Ste B7, Aztec, NM 87410

10. Field and Pool, Exploratory Area

DAKOTA, MESA VERDE

4. Location of Well (Footage, Sec., Twp., Rge.)

1733' F/N 1795' F/W

SEC. 15-26N-6W

11. Country or Parish, State

Rio Arriba Co., New Mexico

**12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Downhole Commingle</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

17. Describe Proposed or Completed Operations:

11-5-04 We request approval to recomplete this well in the South Blanco Tocito formation by the following procedure:

Rig up.

T. O. H. laying down 1 1/2" EUE tubing.

Run wireline set retrievable bridge plug to 6800'.

Run gas spectrum log 6750' to 6100'.

Perforate Tocito zone, 6797' - 6787' with 4 shots per foot.

T. I. H. with 2 7/8" tubing and full bore packer to approximately 6200'.

Frac Tocito zone with 20,000# 20/40 sand and N<sub>2</sub> foam.

Flow back well to clean up and test Tocito.

T. O. H. laying down 2 7/8" tubing with packer.

T. I. H. with new 2 3/8" tubing with retrieving head.

T. O. H. with retrievable bridge plug from 6800'.

T. I. H. with 2 3/8" production tubing.

**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

NOTE: The format is issued in lieu of U.S. BLM Form 3160-5

18. I HEREBY CERTIFY THE FOREGOING IS TRUE AND CORRECT

SIGNED: Robert L. Verquer TITLE: Superintendent DATE: November 5, 2004  
ROBERT L. VERQUER

APPROVED BY: Jim Lovato TITLE: Petr. Eng DATE: 11/18/04  
CONDITIONS OF APPROVAL, IF ANY

OPERATOR

**LAST 12-MONTHS PRODUCTION  
FOR  
BREECH D 240-E**

**DAKOTA**

<b>MONTH</b>	<b>GAS</b>	<b>OIL</b>	<b>WATER</b>	<b>DAYS</b>	<b>GAS DPA</b>	<b>OIL DPA</b>
05/04	3,956	19	3	31	121	0.613
06/04	4,005	20	3	30	127	0.667
07/04	3,986	17	3	31	122	0.548
08/04	3,877	23	3	31	118	0.742
09/04	3,512	20	3	30	110	0.667
10/04	3,673	18	3	31	112	0.581
11/04	3,417	6	1	30	107	0.200
12/04	3,351	0	0	31	101	0.000
01/05	3,404	0	0	31	103	0.000
02/05	3,073	0	0	28	103	0.000
03/05	3,021	0	0	31	91	0.000
04/05	3,095	0	0	30	97	0.000
	<b>42,370</b>	<b>123</b>	<b>19</b>		<b>109</b>	<b>0.335</b>

**MESA VERDE**

<b>MONTH</b>	<b>GAS</b>	<b>OIL</b>	<b>WATER</b>	<b>DAYS</b>	<b>GAS DPA</b>	<b>OIL DPA</b>
05/04	797	8	1	31	23	0.258
06/04	805	9	1	30	24	0.300
07/04	802	7	1	31	23	0.226
08/04	782	10	2	31	23	0.323
09/04	711	8	1	30	21	0.267
10/04	743	8	1	31	21	0.258
11/04	693	2	0	30	20	0.067
12/04	682	0	0	31	19	0.000
01/05	692	0	0	31	20	0.000
02/05	624	0	0	28	20	0.000
03/05	619	0	0	31	17	0.000
04/05	631	0	0	30	18	0.000
	<b>8,581</b>	<b>52</b>	<b>7</b>		<b>21</b>	<b>0.142</b>

District I

State of New Mexico

Form C-102

PO Box 1980, Hobbs, NM 88241-1980

Energy, Minerals &amp; Natural Resources Department

Revised October 18, 1994

District II

Instructions on back

811 South First, Artesia, NM 88210

## OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III

1220 South St. Francis Drive

State Lease - 4 Copies

1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, NM 87504

Fee Lease - 3 Copies

District IV

2040 South Pacheco, Santa Fe, NM 87505



AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039-23429</b>		<sup>2</sup> Pool Code <b>72319</b>		<sup>3</sup> Pool Name <b>MESA VERDE</b>	
<sup>4</sup> Property Code <b>2458</b>		<sup>5</sup> Property Name <b>BREECH "D"</b>			<sup>6</sup> Well Number <b>240-E</b>
<sup>7</sup> OGRID No. <b>003824</b>		<sup>8</sup> Operator Name <b>Caulkins Oil Company</b>			<sup>9</sup> Elevation <b>6463 GR</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	26N	6W		1733'	North	1795'	West	Rio Arriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres <b>320</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>6</sup> 	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Printed Name <b>Robert L. Verquer</b> Title <b>Superintendent</b> Date <b>May 20, 2005</b>			
	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number			

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Drive

Santa Fe, NM 87504

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies



AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-23429	<sup>2</sup> Pool Code 06460	<sup>3</sup> Pool Name SOUTH BLANCO TOCITO
<sup>4</sup> Property Code 2458	<sup>5</sup> Property Name BREECH "D"	<sup>6</sup> Well Number 240-E
<sup>7</sup> OGRID No. 003824	<sup>8</sup> Operator Name Caulkins Oil Company	<sup>9</sup> Elevation 6463 GR

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	26N	6W		1733'	North	1795'	West	Rio Arriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 80	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<div data-bbox="94 1066 1036 1528"> </div>	<div data-bbox="1052 1056 1511 1087"><sup>17</sup> OPERATOR CERTIFICATION</div> <div data-bbox="1052 1115 1511 1171">I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div data-bbox="1052 1276 1511 1360"> </div> <div data-bbox="1052 1329 1511 1360">Signature</div> <div data-bbox="1052 1381 1511 1413">Printed Name Robert L. Verquer</div> <div data-bbox="1052 1444 1511 1476">Title Superintendent</div> <div data-bbox="1052 1486 1511 1518">Date November 5, 2004</div>
	<div data-bbox="1052 1549 1511 1581"><sup>18</sup> SURVEYOR CERTIFICATION</div> <div data-bbox="1052 1608 1511 1717">I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</div> <div data-bbox="1052 1724 1511 1755">Date of Survey</div> <div data-bbox="1052 1780 1511 1812">Signature and Seal of Professional Surveyor:</div> <div data-bbox="1052 1955 1511 1986">Certificate Number</div>

District I

State of New Mexico

Form C-102

PO Box 1980, Hobbs, NM 88241-1980

Energy, Minerals &amp; Natural Resources Department

Revised October 18, 1994

District II

Instructions on back

811 South First, Artesia, NM 88210

## OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III

1220 South St. Francis Drive

State Lease - 4 Copies

1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, NM 87504

Fee Lease - 3 Copies

District IV

2040 South Pacheco, Santa Fe, NM 87505



AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039-23429</b>		<sup>2</sup> Pool Code <b>71599</b>		<sup>3</sup> Pool Name <b>BASIN DAKOTA</b>	
<sup>4</sup> Property Code <b>2458</b>		<sup>5</sup> Property Name <b>BREECH "D"</b>			<sup>6</sup> Well Number <b>240-E</b>
<sup>7</sup> OGRID No. <b>003824</b>		<sup>8</sup> Operator Name <b>Caulkins Oil Company</b>			<sup>9</sup> Elevation <b>6463 GR</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	15	26N	6W		1733'	North	1795'	West	Rio Arriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres <b>320</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

<sup>6</sup> 	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Printed Name <b>Robert L. Verquer</b> Title <b>Superintendent</b> Date <b>May 20, 2005</b>			
	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number			

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -  
1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office.
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

e-mail Address