

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

DHC-3545

Form C-107A  
Revised May 15, 2000

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

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

APPLICATION TYPE  
\_\_\_\_ Single Well  
\_\_\_\_ Establish Pre-Approved Pools  
EXISTING WELLBORE  
\_\_\_\_ X Yes \_\_\_\_ No

APPLICATION FOR DOWNHOLE COMMINGLING

Operator Caulkins Oil Company Address 1409 W. Aztec, Blvd., Suite B7, Aztec, NM 87410

Lease BREECH "A" Well No. 682 Unit Letter-Section-Township-Range UNIT K - SEC. 10-26N-6W County Rio Arriba

OGRID No. 003824 Property Code 2455 API No. 30-039-08155 Lease Type: X Federal \_\_\_\_ State \_\_\_\_ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	✓ South Blanco Tocito		✓ Basin Dakota
Pool Code	06460 ✓		71599 ✓
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6712' – 6694'		7436' – 7166'
Method of Production (Flowing or Artificial Lift)	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)	Estimated 1286		1211
Producing, Shut-In or New Zone	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: Estimated Rate: Gas Oil Water 300 3 .50 MCF/D Bbl Bbl	Date: . Rate: Gas Oil Water MCF/D Bbl Bbl	Date: 12 month – Avg. Rate: Gas Oil Water 39 .22 .03 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.)	Gas Oil 73 % 93 %	Gas Oil % %	Gas Oil 27 % 7 %

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-1780, DHC-3029

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 August 4, 2005

TYPE OR PRINT NAME Robert L. Verquer TELEPHONE NO. (505)-334-4323

**LAST 12-MONTHS PRODUCTION  
FOR  
BREECH A 682**

**DAKOTA**

<b>MONTH</b>	<b>GAS</b>	<b>OIL</b>	<b>WATER</b>	<b>DAYS</b>	<b>GAS DPA</b>	<b>OIL DPA</b>
07/04	3,043	13	2	26	117	0.500
08/04	3,106	0	0	26	119	0.000
09/04	3,758	4	1	30	125	0.133
10/04	1,634	1	0	6	272	0.167
11/04	2,421	1	0	30	81	0.033
12/04	2,089	6	1	23	91	0.261
01/05	3,477	11	2	31	112	0.355
02/05	2,884	13	2	28	103	0.464
03/05	2,865	13	2	31	92	0.419
04/05	2,422	6	1	30	81	0.200
05/05	2,924	9	1	31	94	0.290
06/05	2,134	3	0	30	71	0.100
	<b>32,757</b>	<b>80</b>	<b>12</b>		<b>113</b>	<b>0.244</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>30-039-08155</b>		<sup>2</sup> Pool Code <b>06460</b>		<sup>3</sup> Pool Name <b>SOUTH BLANCO TOCITO</b>	
<sup>4</sup> Property Code <b>2455</b>		<sup>5</sup> Property Name <b>BREECH "A"</b>			<sup>6</sup> Well Number <b>682</b>
<sup>7</sup> OGRID No. <b>003824</b>		<sup>8</sup> Operator Name <b>Caulkins Oil Company</b>			<sup>9</sup> Elevation <b>6543 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
K	10	26N	6W		1640'	South	1680'	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>80</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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>16</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>July 14, 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			

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State of New Mexico

Form C-102

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AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-039-08155</b>	<sup>2</sup> Pool Code <b>71599</b>	<sup>3</sup> Pool Name <b>BASIN DAKOTA</b>
<sup>4</sup> Property Code <b>2455</b>	<sup>5</sup> Property Name <b>BREECH "A"</b>	<sup>6</sup> Well Number <b>682</b>
<sup>7</sup> OGRID No. <b>003824</b>	<sup>8</sup> Operator Name <b>Caulkins Oil Company</b>	<sup>9</sup> Elevation <b>6543 GR</b>

<sup>10</sup> Surface Location

UL or lot no. <b>K</b>	Section <b>10</b>	Township <b>26N</b>	Range <b>6W</b>	Lot Idn	Feet from the <b>1640'</b>	North/South line <b>South</b>	Feet from the <b>1680'</b>	East/West line <b>West</b>	County <b>Rio Arriba</b>
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<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	<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>16</sup>   Breech "A" 682-E 	<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>August 4, 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				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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)

5. Lease

NMSF-079035-A

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

1. Oil Well ☐ Gas Well ☐ Other ☐

GAS WELL

8. Well Name and No.

BREECH "A" 682

2. Name of Operator:

Caulkins Oil Company

9. API Well No.

30-039-08155-00S1

3. Address of Operator:

(505) 334-4323

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

10. Field and Pool, Exploratory Area

BASIN DAKOTA

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

1640' F/S 1680' F/W

SEC. 10-26N-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

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment Notice

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut-Off

☐ Altering Casing

☐ Conversion to Injection

☒ Other Downhole Commingle

☐ Dispose Water

17. Describe Proposed or Completed Operations:

6-29-05

We request approval to recompleate this well in the South Blanco Tocito formation by the following procedure:

Rig up.

T. O. H. standing back 2 3/8" tubing.

T. I. H. with retrievable bridge plug to 6850'.

Test casing to 3000#.

T. O. H. with tubing.

Perforate Tocito zone 6712' to 6694' with 4 shots per foot.

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

Flow back well.

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

Clean up and test Tocito.

T. O. H. with retrievable bridge plug from 6850'.

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

No new surface will be disturbed, location area will be cleaned up following operations.

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*  
ROBERT L. VERQUER

TITLE: Superintendent

DATE: June 29, 2005

APPROVED BY:

TITLE:

DATE:

CONDITIONS OF APPROVAL, IF ANY

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

*Psem0522050179*

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

**Application Acronyms:**

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [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 - Directional Drilling  
☐ NSL ☐ NSP ☐ DD ☐ 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

2005 AUG 8 PM 12 21

**[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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Robert L. Verquer  
Print or Type Name

*Robert L. Verquer*  
Signature

Superintendent  
Title

8-4-05  
Date