

DATE IN 3/6/03	SUSPENSE NA	ENGINEER BRC	LOGGED IN KV	TYPE DHC	PKR10306632750
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



3118

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  
X 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] X 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.

Robert L. Verquer  
Print or Type Name

*Robert L. Verquer*  
Signature

Superintendent  
Title

March 4, 2003  
Date

caulkins@direcway.com  
e-mail Address

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 March 4, 2003

TYPE OR PRINT NAME Robert L. Verquer TELEPHONE NO. (505)-632-1544

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

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

Caulkins Oil Company P. O. Box 340, Bloomfield, NM 87413  
Operator Address  
BREECH "E" 89-E UNIT E - SEC. 3-26N-6W Rio Arriba  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 003824 Property Code 2459 API No. 30-039-23634 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)	6790' – 6802'		7271' – 7496'
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)	N/A		N/A
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1283 BTU		1234 BTU
Producing, Shut-In or New Zone	Producing		Shut-in
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: December 2002 – Avg. Rate: Gas Oil Water 75 1.15 .01 MCF/D Bbl Bbl	Date: Rate: Gas Oil Water MCF/D Bbl Bbl	Date: December 2002 – Avg. Rate: Gas Oil Water 77 .34 .06 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 49 % 77%	Gas Oil % %	Gas Oil 51% 23%

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 X No

NMOCD Reference Case No. applicable to this well: DHC-3029, DHC-1780, DHC-2102, DHC-2248, DHC1868-A, DHC-659-B

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

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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 March 4, 2003  
TYPE OR PRINT NAME Robert L. Verquer TELEPHONE NO. (505)-632-1544

All distances must be from the outer boundaries of the Section.

Operator <b>Caulkins Oil Company</b>		Lease <b>Breech "E"</b>		Well No. <b>89-E</b>
Unit Letter <b>E</b>	Section <b>3</b>	Township <b>26 North</b>	Range <b>6 West</b>	County <b>Rio Arriba</b>

Actual Footage Location of Well:

**1625** feet from the **North** line and **790** feet from the **West** line

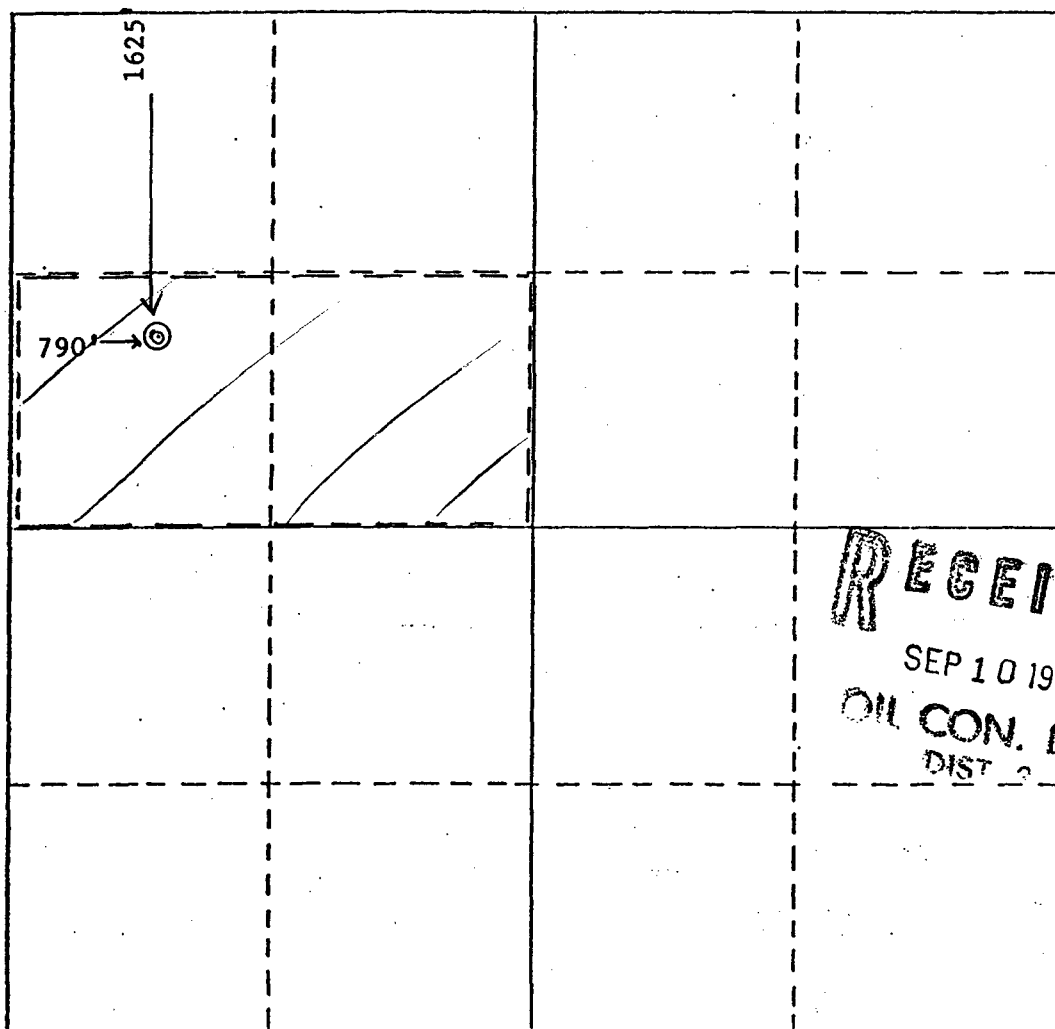
Ground Level Elev. <b>6532' GR</b>	Producing Formation <b>Tocito</b>	Pool <b>South Blanco Tocito</b>	Dedicated Acreage: <b>80</b> Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles E. Verquer*  
Name

Charles E. Verquer

Position  
Superintendent

Company  
Caulkins Oil Company

Date  
9-9-85

**RECEIVED**  
SEP 10 1985  
OIL CON. DIV.  
DIST. 2

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.

11 2-84

Date Surveyed **C002009**

Registered Professional Engineer and/or Land Surveyor

Curtis Stocking

Certificate No.  
5980

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>BREECH "E"</b>		Well No. <b>89-M</b>	
Unit Letter <b>E</b>	Section <b>3</b>	Township <b>26 NORTH</b>	Range <b>6 WEST</b>	County <b>RIO ARRIBA</b>	

Actual Well Location of Well:

1625

feet from the NORTH

line and 790

feet from the WEST

line

Ground Level Elev.

6532

Producing Formation

Mesa Verde - Dakota

Pool

Blanco Mesa Verde - Basin Dakota

Dedicated Acreage:

320 Infil

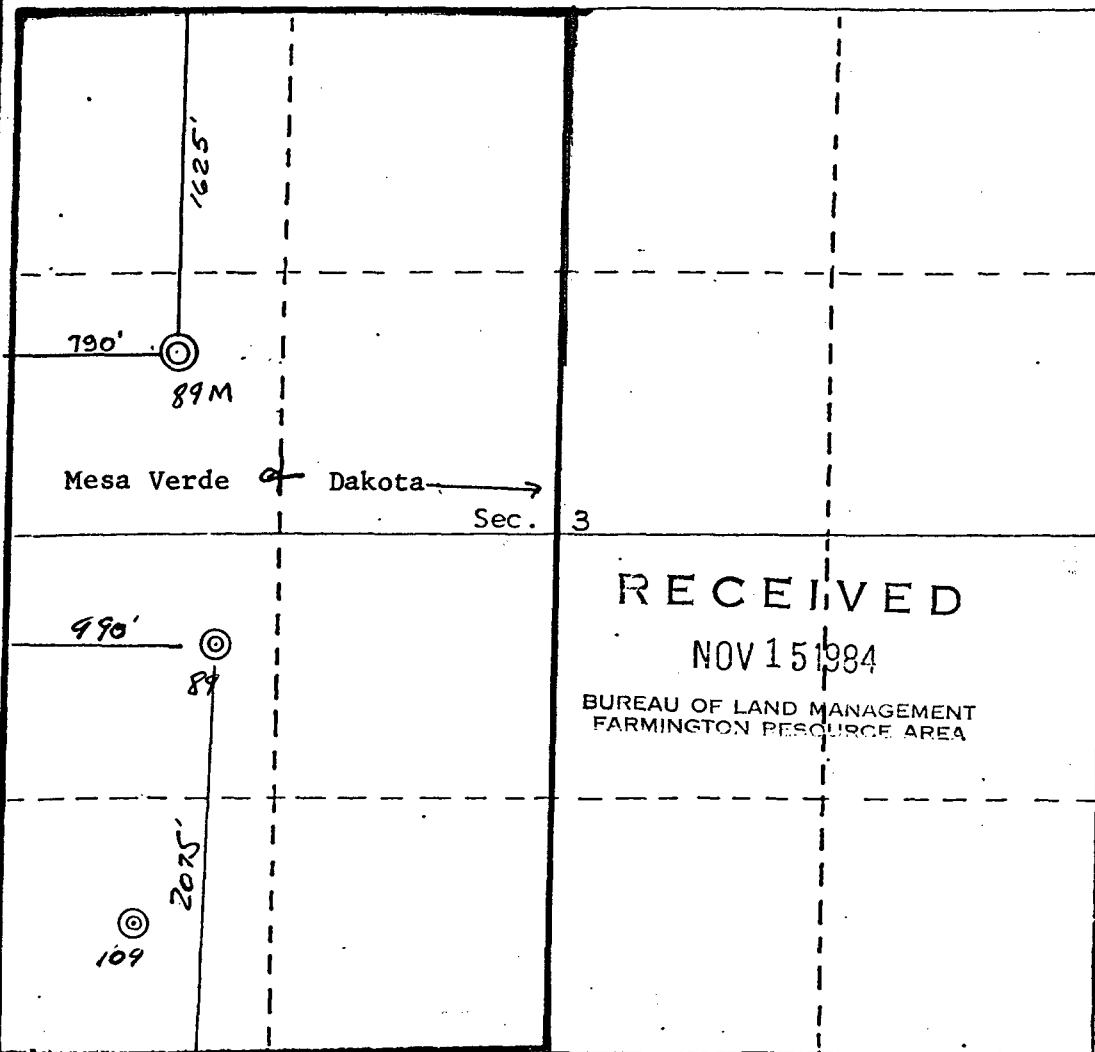
Acre

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



## CERTIFICATION

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

*Charles E. Verquer*  
Name

Charles E. Verquer

Position

Superintendent

Company

Caulkins Oil Company

Date

11-12-84

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.

11-2-1984

*Curtis G. Stocking*  
Registered Professional Engineer  
and/or Land Surveyor  
Curtis G. Stocking

Certificate No.

5980

C002029

**LAST 12-MONTHS PRODUCTION  
FOR  
BREECH "E" 89-E**

**DAKOTA**

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
01/02	2,332	10	2	31	75	0.323
02/02	1,877	6	1	24	78	0.250
03/02	2,432	14	2	31	78	0.452
04/02	2,344	10	2	30	78	0.333
05/02	2,421	13	2	30	81	0.433
06/02	2,335	13	2	30	78	0.433
07/02	2,412	10	2	31	78	0.323
08/02	2,412	7	1	31	78	0.226
09/02	2,246	16	2	29	77	0.552
10/02	2,412	7	1	31	78	0.226
11/02	2,136	5	1	30	71	0.167
12/02	2,337	10	2	31	75	0.323
	<b>27,696</b>	<b>121</b>	<b>20</b>		<b>77</b>	<b>0.337</b>

**TOCITO**

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
01/02	2,171	39	0	30	72	1.300
02/02	1,933	20	0	26	74	0.769
03/02	2,300	38	0	31	74	1.226
04/02	2,210	41	0	30	74	1.367
05/02	2,258	37	0	31	73	1.194
06/02	2,172	39	0	30	72	1.300
07/02	2,273	36	0	31	73	1.161
08/02	2,194	26	0	31	71	0.839
09/02	2,270	36	0	30	76	1.200
10/02	2,295	33	0	31	74	1.065
11/02	2,253	33	0	30	75	1.100
12/02	2,338	40	0	31	75	1.290
	<b>26,667</b>	<b>418</b>	<b>0</b>		<b>74</b>	<b>1.151</b>

# **CAULKINS OIL COMPANY**

**P. O. BOX 340**

**BLOOMFIELD, NEW MEXICO 87413**

**PHONE: 505-632-1544**

**FAX 505-632-1471**

**March 5, 2003**

**The following list is all the offset operators to Caulkins Oil Company well Breech "E" 89-E, section 3, township 26N, range 6W.**

**Burlington Resources**

**P. O. Box 4289**

**Farmington, NM 87499**

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

NMNM-03551

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 "E" 89-E

2. Name of Operator:

Caulkins Oil Company

9. API Well No.

30-039-23634-00D1

3. Address of Operator:

(505) 632-1544

10. Field and Pool, Exploratory Area

P.O. Box 340, Bloomfield, NM 87413

DAKOTA, TOCITO

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

11. Country or Parish, State

1625' F/N 790' F/W

SEC. 3-26N-6W

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 Commingle Well

☐ Dispose Water

17. Describe Proposed or Completed Operations:

2-11-03

We request approval to downhole commingle this well by the following procedure.

T. O. H. laying down 1 1/4" tubing with seal assembly from 6869'.

T. O. H. laying down 2 3/8" J & L slim hole tubing with seal assembly from 7389'.

T. I. H. with packer plucker on new 2 3/8" tubing.

Drill out and retrieve model "F" packer from 6869'. T. O. H.

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

Clean out to TD, 7536', with air foam unit.

Land tubing on doughnut at approximately 7450'.

Basin Dakota (71599) and South Blanco Tocito (06460)

Perforations: Dakota (7271' - 7496'), Tocito (6790' - 6802')

Allocations

Dakota

Tocito

Oil

23%

77%

Gas

51%

49%

Attached is a copy of NMOCD C-107-A and supporting documents have been submitted to the state for your reference.

Commingle will not reduce the production value of this well.

Estimated starting date, May 1, 2003

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: March 4, 2003  
ROBERT L. VERQUER

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY