

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-03554

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

1. Oil Well ☐ Gas Well ☐ Other ☐

GAS WELL

RECEIVED

070 FARMINGTON NM

BREECH "C" 244-E

2. Name of Operator:

Caulkins Oil Company

9. API Well No.

30-039-23428-00C1

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.)

1520' F/N 1090' F/W

SEC. 14-26N-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

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Downhole Commingle

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

17. Describe Proposed or Completed Operations:

5-13-05

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

Rig up. T. O. H. with 2 3/8" tubing from 7455'.

Run wireline set retrievable bridge plug to 7000'.

Run gas spectrum log through Tocito & Gallup formations, 6900' to 6400'.

Perforate Tocito zone, 6772' to 6751', with 4 shots per foot.

T. I. H. with 2 7/8" tubing with fullbore packer to approximately 6500'.

Frac Tocito zone with 20,000# 20/40 sand and N2 foam.

Flow well back to clean up and test.

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

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

T. O. H. with retrievable bridge plug from 7000'

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

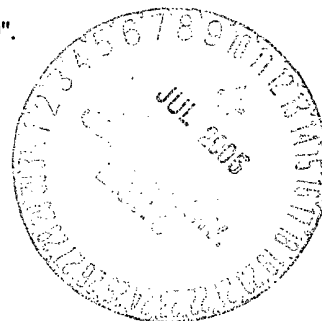
Adhere to previously issued stipulations.

Clean out to PBTB with air foam unit.

Land tubing on doughnut at approximately 7450'.

Commingle Dakota - Tocito - Mesa Verde

Rig down and move.



SEE ATTACHED FOR
CONDITIONS OF APPROVAL

DHC 3490

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: May 13, 2005

APPROVED BY: Jim Lovato
CONDITIONS OF APPROVAL, IF ANY

TITLE: Petr. Eng DATE: 7/7/05

NMOC

District I
1629 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 1409 W. Aztec, Blvd., Suite B7, Aztec NM 87410
Operator Address
BREECH "C" 244-E UNIT E - SEC. 14-26N-6W Rio Arriba
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 003824 Property Code 2457 API No. 30-039-23428 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)	5444' - 4824'	6772' - 6751'	7296' - 7539'
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)	1292	Estimated: 1286	1292
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 28 .443 .06 MCF/D Bbl Bbl	Date: Estimated Rate: Gas Oil Water 200 5 .10 MCF/D Bbl Bbl	Date: 12 month average Rate: Gas Oil Water 173 1.776 .249 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 6 % 7 %	Oil Gas 70 % 50 %	Oil Gas 24 % 43 %

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

**LAST 12-MONTHS PRODUCTION
FOR
BREECH C 244-E**

DAKOTA

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
05/04	6,179	56	8	31	194	1.806
06/04	5,991	57	9	30	194	1.900
07/04	6,403	67	10	31	201	2.161
08/04	6,198	56	8	31	195	1.806
09/04	5,419	64	10	30	175	2.133
10/04	5,512	52	8	31	172	1.677
11/04	2,997	35	5	17	171	2.059
12/04	4,789	32	5	31	149	1.032
01/05	5,436	63	9	31	170	2.032
02/05	4,881	51	8	28	169	1.821
03/05	3,855	42	6	25	149	1.680
04/05	4,090	36	5	30	131	1.200
	61,750	611	91		173	1.776

MESA VERDE

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
05/04	1,061	15	2	31	32	0.484
06/04	1,029	14	2	30	32	0.467
07/04	1,098	17	3	31	33	0.548
08/04	1,065	14	2	31	32	0.452
09/04	936	16	2	30	29	0.533
10/04	953	13	2	31	28	0.419
11/04	518	8	1	17	28	0.471
12/04	835	8	1	31	24	0.258
01/05	941	16	2	31	28	0.516
02/05	845	13	2	28	28	0.464
03/05	672	10	2	25	24	0.400
04/05	720	9	1	30	21	0.300
	10,673	153	22		28	0.443

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 & 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

¹ API Number 30-039-23428		² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 2457	⁵ Property Name BREECH "C"		⁶ Well Number 244-E
⁷ OGRID No. 003824	⁸ Operator Name Caulkins Oil Company		⁹ Elevation 6605 GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	26N	6W		1520'	North	1090'	West	Rio Arriba

¹¹ 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

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

⁶ 	¹⁷ 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 Robert L. Verquer Title Superintendent Date May 20, 2005			
	¹⁸ 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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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-23428		² Pool Code 72319		³ Pool Name MESA VERDE	
⁴ Property Code 2457		⁵ Property Name BREECH "C"			⁶ Well Number 244-E
⁷ OGRID No. 003824		⁸ Operator Name Caulkins Oil Company			⁹ Elevation 6605 GR

¹⁰ Surface Location

UL or lot no. E	Section 14	Township 26N	Range 6W	Lot Idn	Feet from the 1520'	North/South line North	Feet from the 1090'	East/West line West	County Rio Arriba
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¹¹ 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
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RECEIVED

070 FARMINGTON NM



AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-23428	² Pool Code 06460	³ Pool Name SOUTH BLANCO TOCITO
⁴ Property Code 2457	⁵ Property Name BREECH "C"	⁶ Well Number 244-E
⁷ OGRID No. 003824	⁸ Operator Name Caulkins Oil Company	⁹ Elevation 6605 GR

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	14	26N	6W		1520'	North	1090'	West	Rio Arriba

¹¹ 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
¹² Dedicated Acres 80	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

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¹⁸ 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	

Bureau of Land Management Conditions of Approval:

- 1) If cement squeeze work is necessary, contact Matt Halbert of the BLM Farmington Field Office @ (505) 599-6350.**
- 2) If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.**
- 3) Pits must be lined with an impervious material at least 12 mils thick. The pit must be fenced on three (3) sides during workover operations and on the 4th side after the rig moves off location. Pits must be closed within 90 days of completion of the workover operations. Prior to closing the pit the liner must be cut off at mud level.**