

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)

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

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

2. Name of Operator:

Caulkins Oil Company

3. Address of Operator:

(505) 334-4323

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

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

1733' F/N 1795' F/W

SEC. 15-26N-6W

8. Well Name and No.

BREECH "D" 240-E

9. API Well No.

30-039-23429-00C1

10. Field and Pool, Exploratory Area

DAKOTA, MESA VERDE

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

☒ [X] Notice of Intent

☐ [] Subsequent Report

☐ [] Final Abandonment Notice

☐ [] Abandonment

☒ [X] Recompletion

☐ [] Plugging Back

☐ [] Casing Repair

☐ [] Altering Casing

☒ [X] 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:

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 N₂ foam.

Flow back well to clean up and test Tocito.

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

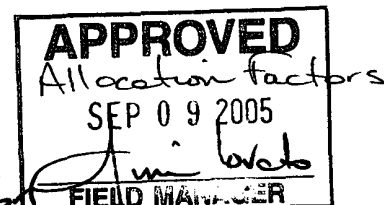
T. I. H. with new 2 3/8" tubing with retrieving head.

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

APPROVED BY:

TITLE: Petr. Eng

DATE: 11/18/04

CONDITIONS OF APPROVAL, IF ANY

DHC 3492

NMOCD

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

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

District III
1000 Rio Brimos 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

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

070 FARMINGTON NM

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

Lease BREECH "D" Well No. 240-E UNIT F - SEC. 15-26N-6W Rio Arriba County

OGRID No. 003824 Property Code 2458 API No. 30-039-23429 Lease Type: ☒ 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 ☒ 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 ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

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 D 240-E**

DAKOTA

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
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
	42,370	123	19		109	0.335

MESA VERDE

MONTH	GAS	OIL	WATER	DAYS	GAS DPA	OIL DPA
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
	8,581	52	7		21	0.142

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


¹⁰ Surface Location

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

<div style="position: relative; height: 150px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black;"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);">1733'</div> <div style="position: absolute; bottom: 0; left: 0; width: 100%; height: 100%; border: 1px solid black;"></div> <div style="position: absolute; bottom: 50%; left: 50%; transform: translate(-50%, -50%);">1795'</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);">Breech "D" 240</div> </div>					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> <div style="text-align: right;">  Signature Printed Name Robert L. Verquer Title Superintendent Date May 20, 2005 </div>	
					¹⁸ SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: <div style="text-align: right;">Certificate Number</div>	

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

¹⁰ Surface Location

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

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 November 5, 2004			
	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 30-039-23429		² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 2458	⁵ Property Name BREECH "D"		⁶ Well Number 240-E
⁷ OGRID No. 003824	⁸ Operator Name Caulkins Oil Company		⁹ Elevation 6463 GR

¹⁰ Surface Location

UL or lot no. F	Section 15	Township 26N	Range 6W	Lot Idn	Feet from the 1733'	North/South line North	Feet from the 1795'	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
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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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				