

ABOVE THIS LINE FOR DIVISION USE ONLY

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



*Cimarex*

*Lea A State #1*

**ADMINISTRATIVE APPLICATION CHECKLIST**

*30-025-02774*

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]**

*4265*  
*Lea*

- [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 \_\_\_\_\_

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- [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.

<u>Zeno Farris</u> Print or Type Name	<u><i>Zeno Farris</i></u> Signature	<u>Mgr Operations Admin</u> Title	<u>3/11/10</u> Date
		<u>zfarris@cimarex.com</u> e-mail Address	

600 N. Marienfeld St  
Suite 600  
Midland, TX 79701  
432-620-1938 (phone)  
432-620-1938 (fax)

# Cimarex Energy Co. of Colorado

March 11, 2010

New Mexico Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505  
Attn: Mr. Will V. Jones

RE: Lea A State No. 1  
30-025-02774  
C-107-A – Townsend; Permo, Upper Penn and Townsend; Abo, NW

Dear Mr. Jones,

Enclosed is an original Form C-107-A (Application for Downhole Commingling) for the well mentioned above.

This well is currently producing from Wolfcamp perms @ 10212-268.'

Cimarex proposes to Perf and acidize additional Wolfcamp 9650-744.' Perf and acidize the Abo 8657-740.' Allocation percentages for each zone will be based on production log.

It is anticipated that the reservoir pressure from these two zones will be compatible and the resulting volumes would not warrant a casing/tubing dual completion.

Royalty, overriding royalty, and working interest owners are the same in each zone.

If you have any questions or need further information, please call me at 432-620-1938.

Sincerely,



Zeno Farris  
Mgr Operations Administration

[zfarris@cimarex.com](mailto:zfarris@cimarex.com)

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
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 30-025-02774	<sup>2</sup> Pool Code 59847	<sup>3</sup> Pool Name Townsend; Permo, Upper Penn
<sup>4</sup> Property Code 300528	<sup>5</sup> Property Name Lea A State	
<sup>7</sup> OGRID No. 162683	<sup>8</sup> Operator Name Cimarex Energy Co. of Colorado	<sup>6</sup> Well Number 001
		<sup>9</sup> Elevation 4014' RDB

<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
D	10	16S	35E		660	North	660	West	Lea

<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 40	<sup>13</sup> Joint or Infill N	<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.

	<b><sup>17</sup> OPERATOR CERTIFICATION</b>	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	<i>Zeno Farris</i> Signature	3/11/2010 Date
Zeno Farris Printed Name		
<b><sup>18</sup> SURVEYOR CERTIFICATION</b>		
<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 belief.</i>		
Date of Survey Signature and Seal of Professional Surveyor:		
Certificate Number		





**Cimarex Energy Co. of Colorado**

**LEA A STATE #1**

API 30-025-02774

660' FNL & 660' FWL, Sec 10, T16S R35E

Lea County, NM

GL: 4014' KB: 4022'

11 3/4" 42# H-40 csg @ 364'  
Cmr w/450 sx, circ to surface

15" hole to 364'

**DST's:**

10,190'-10,329'- open 3 hrs, strong blow,  
no wtr, blanket rec 120' GCM, no oil  
or wtr, FP 55-110#, FSIP 395#

10,428'-10,515' - oper 1 hr 45 min  
strong air blow, GTS 3 min, MTS 11 min,  
OTS 13 min, 14 hr flow test rec 126 BO,  
40.4 grav, GOR 903, FP 510-2980#  
25 min SIP 3988#

Dwights Cum'd all zones together  
824 MBO + 238 MMCF + 1 MBW

8 5/8" 24/32# J-55/H-40 csg @ 4666'  
Cmt w/2250 sx, circ to surface

11" hole to 4666'

TOC 7950' (Temp Survey)

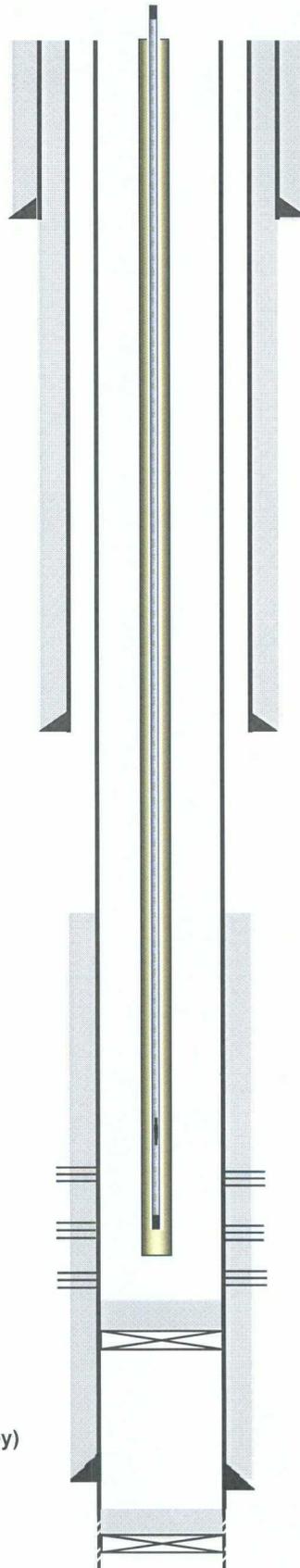
Wolfcamp Perfs  
10,212'-220' & 10,252'-268' (7/06)

CIBP @ 10,436 (3/06)  
2 sx cmt on top of CIBP to 10,401'

5 1/2" 20/17# J-55/N-80 csg @ 10,460"  
Cmt w/600 sx, TOC 7950' (Temp Survey)

CIBP @ 10,519' (11/52)  
1 1/2 sx cement of top of CIBP

Cisco (Open Hole) (11/52)  
7 7/8" hole to TD 10,585'



PBTD: 10,401'  
TD: 10,585'

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State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

**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**

Cimarex Energy Co. of Colorado 600 N. Marienfeld St., Ste. 600; Midland, TX 79701  
Operator Address

Lea A State 001 D-10-16S-35E Lea  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 162683 Property Code 300528 API No. 30-025-02774 Lease Type: Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Townsend; Abo, NW		Townsend; Permo, Upper Penn
Pool Code	59840		59847
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8657-8740'		9650-9744' new perfs ✓ 10212-268' existing perfs
Method of Production (Flowing or Artificial Lift)	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)	Within 150% of bottom perfs		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	To be supplied		To be supplied
Producing, Shut-In or New Zone	New Zone		New Zone
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: To be supplied Rates:	Date: Rates:	Date: To be supplied Rates:
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	Oil Gas	Oil Gas

**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: \_\_\_\_\_

**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 Zeno Farris TITLE Manager Operations Administration DATE March 11, 2010

TYPE OR PRINT NAME Zeno Farris TELEPHONE NO. (432)-680-1938

E-MAIL ADDRESS zfarris@cimarex.com