

DATE IN 3-12-10	SUSPENSE	ENGINEER WJ.	LOGGED IN 3-12-10	TYPE DHC	PTGW APP NO. 1007146797
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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



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.

Zeno Farris
Print or Type Name

Zeno Farris
Signature

Mgr Operations Admin
Title

3/11/10
Date

zfarris@cimarex.com
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

Zeno Farris
Mgr Operations Administration

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

¹ API Number 30-025-02774	² Pool Code 59847	³ Pool Name Townsend; Permo, Upper Penn
⁴ Property Code 300528	⁵ Property Name Lea A State	⁶ Well Number 001
⁷ OGRID No. 162683	⁸ Operator Name Cimarex Energy Co. of Colorado	⁹ Elevation 4014' RDB

¹⁰ Surface Location

UL or lot no. D	Section 10	Township 16S	Range 35E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line West	County Lea
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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 40	¹³ Joint or Infill N	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><div>16</div><div>660'</div><div>660'</div></div>				<div><div>¹⁷ OPERATOR CERTIFICATION</div><div><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></div><div><div>Zeno Farris</div><div>3/11/2010</div></div><div>SignatureDate</div><div>Zeno Farris</div><div>Printed Name</div></div>
				<div><div>¹⁸ SURVEYOR CERTIFICATION</div><div><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></div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor:</div><div>Certificate Number</div></div>

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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Energy, Minerals & Natural Resources Department
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1220 South St. Francis Dr.
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Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
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D	10	16S	35E		660	North	660	West	Lea

¹¹ Bottom Hole Location If Different From Surface

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CIMAREX**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

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#

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

15" hole to 364'

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

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'

M. Ketter 1/7/2010

