

DTG W

ABOVE THIS LINE FOR DIVISION USE ONLY

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



Cimarex, 12683
Mar. Perm. Fed. #1

ADMINISTRATIVE APPLICATION CHECKLIST *30-015-33457*

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]

4335

- [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 _____
- [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>11/17/2010</u> Date
		<u>zfarris@cimarex.com</u> e-mail Address	

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

.....

Cimarex Energy Co. of Colorado

November 17, 2010

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

RECEIVED OGD
2010 NOV 18 A 11: 16

RE: Marquardt 1 Penn Federal No. 1
12-25S-26E
30-015-33457
C-107-A – Wolfcamp and Cisco-Canyon

Dear Mr. Jones,

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

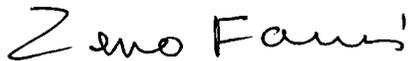
Cimarex proposes perf and acidize the Cisco 10013-10206'. Perf and acidize the Wolfcamp 9193-9744'. Allocation percentages for each zone will be based on production log and furnished after production and cleanup.

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

Royalty, overriding, 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

DISTRICT I
P.O. Box 1060, Hobbs, NM 88241-1060

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33457	Pool Code 87280	Pool Name White City; Penn (G)
Property Code 34056	Property Name MARQUARDT 1 PENN FEDERAL	
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Well Number 1
		Elevation 3322'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	25 S	26 E		2100	SOUTH	1850	EAST	EDDY

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

Dedicated Acres 640.48	Joint or Infill	Consolidation Code	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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Natalie Krueger</i> Signature</p> <p>Natalie Krueger Printed Name</p> <p>Regulatory Title</p> <p>11/17/2010 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 26, 2004</p> <p>Date Surveyed LMP</p> <p>Signature & Seal of Professional Surveyor <i>Gary Hudson</i> 2/2/04</p>
	<p>Certificate No. GARY HUDSON 12841</p>
	<p>04.11.00.10</p>

DISTRICT I
P.O. Box-1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer 80, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Ed., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2089, SANTA FE, N.M. 87504-2089

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33457	Pool Code 87285	Pool Name White City; Wolfcamp
Property Code 34056	Property Name MARQUARDT 1 PENN FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3322'

Surface Location

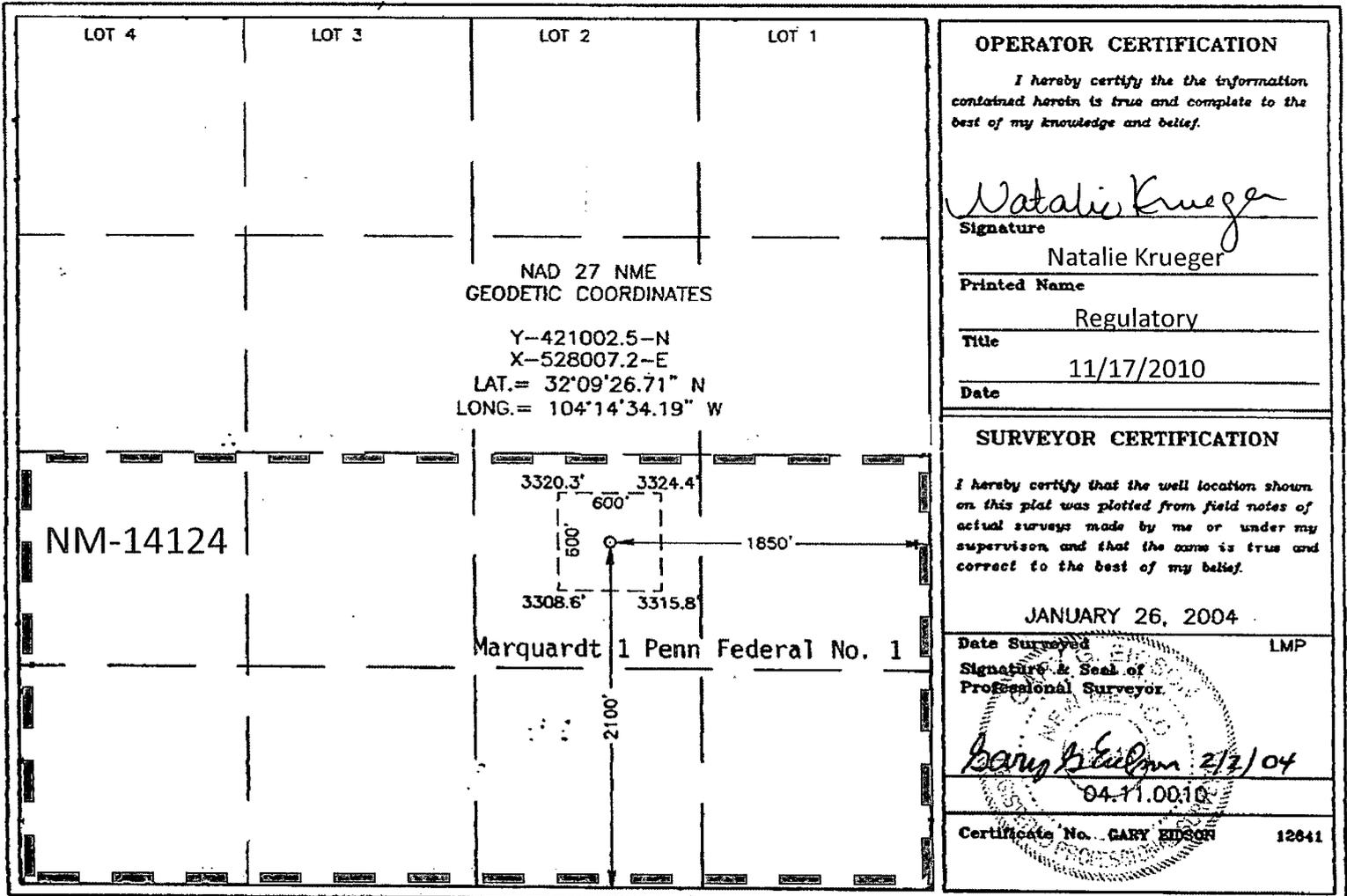
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	1	25 S	26 E		2100	SOUTH	1850	EAST	EDDY

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

Dedicated Acres 320	Joint or Infill	Consolidation Code	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



OPERATOR CERTIFICATION

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

Natalie Krueger
Signature

Natalie Krueger
Printed Name

Regulatory
Title

11/17/2010
Date

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 belief.

JANUARY 26, 2004
Date Surveyed

LMP
Signature & Seal of Professional Surveyor

Gary Hudson 2/2/04
04.11.00.10

Certificate No. GARY HUDSON 12841

Confirmation
Services

Package ID: 9171082133393803871322

E-CERTIFIED

Destination ZIP Code: 88220

1ST CLASS LETTER

Customer Reference:

Recipient: Bureau of Land Mgmt.

PBP Account #: 35644897

Address: 620 E. Greene St.

Serial #: 3132785

Carlsbad, NM 88220

NOV 17 2010 3:24P

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE

District III
1000 Rio Brazos Road, Aztec, NM 87410

Single Well

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Marquardt 1 Penn Federal

001

J-1-25S-26E

Eddy

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 162683 Property Code 34056 API No. 30-015-33457 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	White City; Wolfcamp		White City; Penn (G) (Cisco)
Pool Code	87285		87280
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9193-9744		10013-10206
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)	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 11/17/2010

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

E-MAIL ADDRESS zfarris@cimarex.com