Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

APR 11 2008
OCD-ARTESIA

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other
2. Name of Operator: Cimarex Energy Co. of Colorado
3a. Address: 600 N. Marienfeld St., Ste. 600 Midland, TX 79701
3b Phone No. *(include area code)*: 432-571-7800
4 Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: 1650' FSL & FEL, Unit Letter J, Sec 23, T25S R26E

5. Lease Serial No: NMNM94839
6. If Indian, Allottee or Tribe Name:
7. If Unit or CA/Agreement, Name and/or No.:
8 Well Name and No: Wigeon 23 Federal Com #1
9. API Well No.: 30-015-33563
10. Field and Pool, or Exploratory Area: Cottonwood Draw; Upper Penn
11 County or Parish, State: Eddy County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[X] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	Plug Back Cisco and R/C
[ ] Final Abandonment Notice	[ ] Convert to Injection	[X] Plug Back	[ ] Water Disposal	in WOLFCAMP

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Wigeon 23 Federal Com #1 is currently producing from Cisco Perfs 10357'-10556'. Cimarex proposes to plug off the Cisco and Recomplete in the Wolfcamp 9240'-9895'. The Wolfcamp perfs will be acidized and fracture stimulated as necessary.

Please see attached procedure and plat.

AFTER RECOMPLETION AND TESTING PLEASE SUBMIT 3160-4 COMPLETION REPORT FOR THE WOLFCAMP INTERVAL(S) WITHIN 30 DAYS

APPROVED
APR 7 2008
LES BABYAK
PETROLEUM ENGINEER

CONTACT THE CARLSBAD FIELD OFFICE (575) 361-2822 AT LEAST 24 HRS PRIOR TO COMMENCING OPERATIONS

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*: Laci Luig
Title: Engineer Tech.
Signature: Laci Luig
Date: 4/1/08

COPY

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of Approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Accepted for record - NMOCD

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	[2] Pool Code	[3] Pool Name
30-015-33563		Wildcat; Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
	Wigeon 23 Federal Com	1

[7] OGRID No.	[8] Operator Name	[9] Elevation
162683	Cimarex Energy Co. of Colorado	3377'

[10] Surface Location

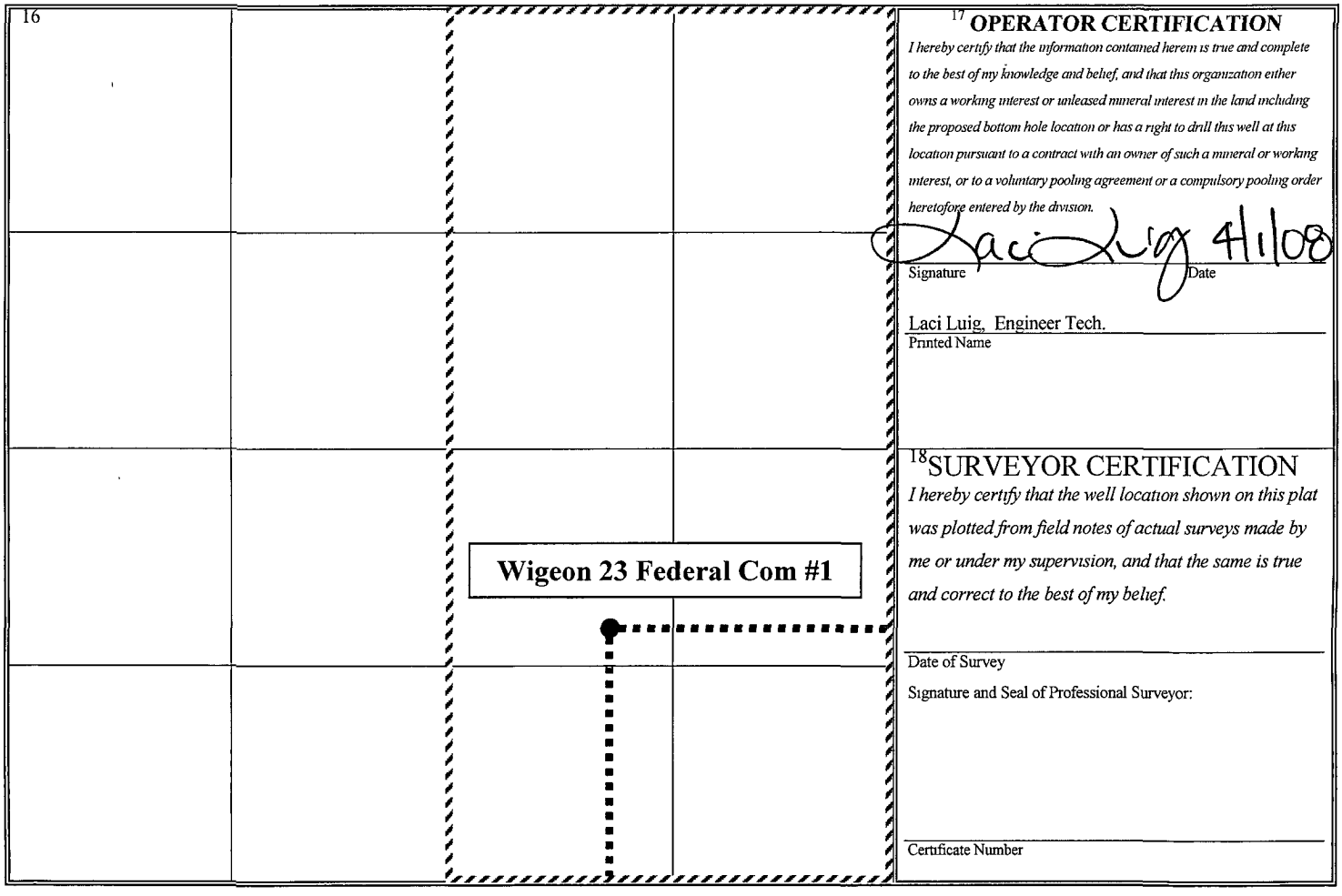
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	25S	26E		1650'	South	1650'	East	Eddy

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320			

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.



[17] OPERATOR CERTIFICATION

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.

Laci Luig 4/1/08

Signature Date

Laci Luig, Engineer Tech.
Printed Name

[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 belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

Wigeon 23 Federal Com #1
Wolfcamp Recompletion Procedure

Well Data:

KB	18' above GL
TD	12300'
PBTD	10715'
Casing	13-3/8" 54.5# H-40 @ 403'. Cmtd w/ 400 sx. Cmt circ.
	9-5/8" 40# NS-110 @ 1919'. Cmtd w/ 675 sx. Cmt circ.
	7" 23 & 26# P-110 @ 10022'. Cmtd w/ 625 sx. Cmt circ.
	DV Tool @ 5455'. Cmtd w/ 1050 sx. TOC @ 180' by TS.
	4-1/2" 11.6# P-110 @ 12295'. Cmtd w/ 410 sx. TOC @ 8850' by CBL.
Perfs	Cisco (10357' – 10556')
	Atoka – P&A (10806' – 10818') (11168' – 11182')

Procedure:

1. MIRU pulling unit. Kill well w/ 2% KCl water. TOOH and LD rods and pump. ND WH, NU BOP. TOOH and LD tbg & TAC. ND BOP & NU frac valve. RD pulling unit.

2. RU wireline, run gauge ring to 10340'. Run CIBP and set @ 10320' and then dump 35' cmt on top of CIBP. Pressure test csg to 5000 psig w/ 2% KCl wtr. Bleed pressure down to 2400 psig. Perforate Wolfcamp (9797' – 9804', 9812' – 9823', 9830' – 9852', 9875' – 9895') 6 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 360 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated October 2, 2004. RD wireline.

3. RU pump truck and load hole if necessary. Pump 10 bbls 2% KCl wtr to make sure perfs are open. RD pump truck. RU slickline and run BHP bombs and get dip in static BHP. Record gradient stops while TOOH w/ BHP bombs. RD slickline.

4. NU wellhead saver, RU stimulation and wireline companies. Acidize and frac Wolfcamp perfs (9797' – 9895') down 4-1/2" csg as follows:

   Acidize down 4-1/2" csg at 4 BPM
   a. Pump 5000 gals 15% HCl.
   b. Flush w/ 7000 gals slick water. Record ISIP.
   Frac down 4-1/2 csg at 80 BPM
   c. Pump 10,000 gals slick water as pad.
   d. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
   e. Pump 10,000 gals slick water as pad.
   f. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
   g. Pump 10,000 gals slick water as pad.

h. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
i. Pump 10,000 gals slick water as pad.
j. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
k. Pump 10,000 gals slick water as pad.
l. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
m. Pump 10,000 gals slick water as pad.
n. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
o. Pump 10,000 gals slick water as pad.
p. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
q. Pump 10,000 gals slick water as pad.
r. Pump 5,000 gals slick water containing 0.5 ppg 100 mesh sand.
s. Pump 10,000 gals slick water as pad.
t. Pump 20,000 gals 1% Clearfrac as pad.
u. Pump 10,000 gals 1% Clearfrac containing 0.5 ppg 30/70 sand.
v. Pump 10,000 gals 1% Clearfrac containing 1.0 ppg 30/70 sand.
w. Pump 10,000 gals 1% Clearfrac containing 1.5 ppg 30/70 sand.
x. Pump 10,000 gals 1% Clearfrac containing 2.0 ppg 30/70 sand.
y. Flush w/ 7000 gals slick water. Record ISIP.
z. Set composite plug @ 9760'.

5. Perforate Wolfcamp (9641' - 9645', 9660' - 9664', 9686' – 9690', 9708' – 9712', 9738' – 9742') 6 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 120 holes. Depth Reference log Halliburton Spectral Density Dual Spaced Neutron Log dated October 2, 2004.

6. RU stimulation and wireline companies. Acidize and frac Wolfcamp perfs (9641' – 9742') down 4-1/2" csg as follows:

Acidize down 4-1/2" csg at 4 BPM
a. Pump 5000 gals 15% HCl.
b. Flush w/ 7000 gals slick water. Record ISIP.
Frac down 4-1/2 csg at 80 BPM
c. Pump 11,000 gals slick water as pad.
d. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
e. Pump 11,000 gals slick water as pad.
f. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
g. Pump 11,000 gals slick water as pad.
h. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.

i. Pump 11,000 gals slick water as pad.
j. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
k. Pump 11,000 gals slick water as pad.
l. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
m. Pump 11,000 gals slick water as pad.
n. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
o. Pump 11,000 gals slick water as pad.
p. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
q. Pump 11,000 gals slick water as pad.
r. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
s. Pump 11,000 gals slick water as pad.
t. Pump 20,000 gals 1% Clearfrac as pad.
u. Pump 10,000 gals 1% Clearfrac containing 0.5 ppg 30/70 sand.
v. Pump 10,000 gals 1% Clearfrac containing 1.0 ppg 30/70 sand.
w. Pump 10,000 gals 1% Clearfrac containing 1.5 ppg 30/70 sand.
x. Pump 10,000 gals 1% Clearfrac containing 2.0 ppg 30/70 sand.
y. Flush w/ 7000 gals slick water. Record ISIP.
z. Set composite plug @ 9590'.

7. Perforate Wolfcamp (9460' - 9464', 9493' – 9497', 9524' – 9528', 9545' – 9549', 9567' – 9571') 6 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 120 holes. Depth Reference log Halliburton Spectral Density Dual Spaced Neutron Log dated October 2, 2004.

8. RU stimulation and wireline companies. Acidize and frac Wolfcamp perfs (9436' – 9571') down 4-1/2" csg as follows:

Acidize down 4-1/2" csg at 4 BPM
a. Pump 7500 gals 15% HCl.
b. Flush w/ 7000 gals slick water. Record ISIP.
Frac down 4-1/2 csg at 80 BPM
c. Pump 15,000 gals slick water as pad.
d. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
e. Pump 15,000 gals slick water as pad.
f. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
g. Pump 15,000 gals slick water as pad.
h. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
i. Pump 15,000 gals slick water as pad.
j. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.

k. Pump 15,000 gals slick water as pad.
l. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
m. Pump 15,000 gals slick water as pad.
n. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
o. Pump 15,000 gals slick water as pad.
p. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
q. Pump 15,000 gals slick water as pad.
r. Pump 7,000 gals slick water containing 0.5 ppg 100 mesh sand.
s. Pump 15,000 gals slick water as pad.
t. Pump 20,000 gals 1% Clearfrac as pad.
u. Pump 10,000 gals 1% Clearfrac containing 0.5 ppg 30/70 sand.
v. Pump 10,000 gals 1% Clearfrac containing 1.0 ppg 30/70 sand.
w. Pump 10,000 gals 1% Clearfrac containing 1.5 ppg 30/70 sand.
x. Pump 10,000 gals 1% Clearfrac containing 2.0 ppg 30/70 sand.
y. Flush w/ 7000 gals slick water. Record ISIP.
z. Set composite plug @ 9370'.

9. Perforate Wolfcamp (9240' - 9252', 9284' - 9288', 9308' – 9312') 6 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 120 holes. Depth Reference log Halliburton Spectral Density Dual Spaced Neutron Log dated October 2, 2004.

10. RU stimulation and wireline companies. Acidize and frac Wolfcamp perfs (9240' – 9312') down 4-1/2" csg as follows:

Acidize down 4-1/2" csg at 4 BPM
a. Pump 5000 gals 15% HCl.
b. Flush w/ 7000 gals slick water. Record ISIP.
Frac down 4-1/2 csg at 80 BPM
c. Pump 11,000 gals slick water as pad.
d. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
e. Pump 11,000 gals slick water as pad.
f. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
g. Pump 11,000 gals slick water as pad.
h. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
i. Pump 11,000 gals slick water as pad.
j. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
k. Pump 11,000 gals slick water as pad.
l. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
m. Pump 11,000 gals slick water as pad.

n. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
o. Pump 11,000 gals slick water as pad.
p. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
q. Pump 11,000 gals slick water as pad.
r. Pump 5,500 gals slick water containing 0.5 ppg 100 mesh sand.
s. Pump 11,000 gals slick water as pad.
t. Pump 20,000 gals 1% Clearfrac as pad.
u. Pump 10,000 gals 1% Clearfrac containing 0.5 ppg 30/70 sand.
v. Pump 10,000 gals 1% Clearfrac containing 1.0 ppg 30/70 sand.
w. Pump 10,000 gals 1% Clearfrac containing 1.5 ppg 30/70 sand.
x. Pump 10,000 gals 1% Clearfrac containing 2.0 ppg 30/70 sand.
y. Flush w/ 7000 gals slick water. Record ISIP.
z. Set composite plug @ 9250'. RD stimulation company and wireline company.

11. RU pulling unit, ND wellhead saver and frac valve, NU BOP, and RU foam air unit. TIH w/ pump off bit and bit sub on 2-3/8" tbg and drill out composite plugs @ 9250', 9370', 9590', and 9760'. FIH w/ bit to 10285' (PBTD) to verify all perfs are clear. Pull up to 10200' and pressure up on tbg to release bit and let it fall to bottom.

12. Pull bottom of tbg to 9500'. Top kill well, ND BOP and install wrap around. Land tbg @ ± 9500' and NU WH.

13. Swab if necessary and flow test.