

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

RM

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

1. Type of Well

☐ Oil Well ☒ 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)

1565 FSL & 1400 FWL
13-25S-26E

5. Lease Serial No.

NM-41645

6. If Indian, Allottee or Tribal Name

RECEIVED
MAR 16 2010
NM OGD ARTESIA

7. If Unit of CA/Agreement, Name and/or No

NM-072243

8. Well Name and No

Federal 13 Com No. 2

9. API Well No.

30-015-33344

10. Field and Pool, or Exploratory Area

White City, Penn (Gas)

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-off

☐ Well Integrity

☒ Other Recomplete to
Cisco and Wolfcamp and

DHC

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.)

Well is currently producing from Atoka perfs @ 10732-10739' and Morrow perfs @ 11224-11576.' Cimarex proposes plug the Atoka and Morrow formations and recomplete to Cisco/Wolfcamp and DHC as shown below:

- NDWH, NUBOP, TOOH & LD tbg. Set CIBP @ 11200' and dump 35' cmt on top. Set second CIBP @ 10700' and dump 35' cmt on top.
- Perf **Cisco Canyon** 3 JSPF in 2 stages: Stage 1 10239-10354.' Acidize and frac and set CBP @ 10225.' Stage 2 10132-10211.' Acidize and frac. Set composite plug @ 10000.'
- Perf **Wolfcamp** 3 JSPF in 3 stages: Stage 1 9650-9760.' Acidize and frac. Set CBP @ 9625.' Stage 2 9443-9597.' Acidize and frac. Set CBP @ 9430.' Stage 3 9232-9418.' Acidize and frac.
- RU coiled tbg unit and drill out sand & composite plugs at 9430', 9625', 10000', and 10225' with 2 gel sweeps. CO sand to 10950.'
- Install production tubing string and turn to sales.

DHC application is in progress at the OCD. Attached are C-102's and a recompletion procedure.

**SUBJECT TO LIKE
APPROVAL BY STATE**

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

Name (Printed/Typed)

Zeno Farris

Title

Manager Operations Administration

Signature

Zeno Farris

Date

02.18.10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Office

Date

MAR 15 2010

/s/ Chris Walls

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. 1212, make 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.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(Instructions on page 2)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

W2

NM-36508	NM-41645	<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>
		<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>
		<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>
		<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>	<div style="border: 1px solid black; height: 100px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 100px;"></div>

Federal 13 Com 4
1620 FNL & 1400 FEL

Federal 13 Com 2
1565 FSL & 1400 FWL

Federal 13 Com 3
SHL 725 FSL & 1750 FEL
BHL 1138 FSL & 1693 FEL

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.

Zeno Farris

Signature

2/18/2010

Date

Zeno Farris

Printed Name

NM-26105

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

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 15, 2009
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-33344		² Pool Code 96890	³ Pool Name Sage Draw; Wolfcamp, East
⁴ Property Code 33622	⁵ Property Name Federal 13 Com		⁶ Well Number 002
⁷ OGRID No. 162683	⁸ Operator Name Cimarex Energy Co. of Colorado		⁹ Elevation

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
K	13	25S	26E		1565	South	1400	West	West

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 P	¹⁵ Order No. DHC Pending
--------------------------------------	-------------------------------	---------------------------------------	--

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.

¹⁶ NM-36508				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. Zeno Farris' 2/18/2010 Signature Date Zeno Farris 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
NM-41645				

Federal 13 Com #2

Ciscamp Recompletion Procedure

Well Data:

KB	18' above GL
TD	12310'
PBTD	12225'
Casing	13-3/8" 54.5# J-55 @ 212'. Cmtd w/ 250 sx. Cmt circ. 10-3/4" 45.5# J-55 @ 2030'. Cmtd w/ 800 sx. Cmt circ. 7-5/8" 26&29# NS-110HC @ 10020'. Cmtd w/ 600 sx. Cmt circ. DV Tool @ 5455'. Cmtd w/ 800 sx. TOC N/A.
Perfs	4-1/2" 11.6# P-110 @ 12310'. Cmtd w/ 485 sx. TOC @ 9066' by CBL. Morrow – (11224' – 11778') Atoka (10732' – 10739')

Procedure:

1. MIRU pulling unit. If necessary, kill well w/ FW. ND WH, NU BOP, TOO H & LD tbg. RU wireline and run gauge ring to 11210'. Run CIBP and set @ \pm 11200' and dump 35' cmt on top of CIBP. Run second CIBP and set @ \pm 10700' and dump 35' cmt on top of CIBP. RU pump truck and pressure test csg to 5000 psig w/ FW. ND BOP and RU 10K goat head frac valve and 10K tree saver. RDMO pulling unit.
2. RU wireline truck and mast unit. Perforate Cisco Canyon (10239' – 10246', 10258' – 10265', 10274' – 10279', 10300' – 10307', 10325' – 10330', 10348' – 10354') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 111 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated September 4, 2004.
3. RU stimulation company. Acidize and frac Cisco Canyon perfs (10239' – 10354') down 4-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 10225'.
4. Perforate Cisco Canyon (10132' – 10136', 10147' – 10151', 10169' – 10173', 10188' – 10192', 10207' – 10211') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated September 4, 2004.
5. Acidize and frac Cisco Canyon perfs (10132' – 10211') down 4-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 10000'.
6. Perforate Wolfcamp (9650' – 9654', 9676' – 9680', 9700' – 9704', 9728' – 9732', 9756' – 9760') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated September 4, 2004.

7. Acidize and frac Wolfcamp perms (9650' – 9760') down 4-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9625'.
8. Perforate Wolfcamp (9443' – 9447', 9480' – 9484', 9538' – 9542', 9574' – 9578', 9593' – 9597') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated September 4, 2004.
9. Acidize and frac Wolfcamp perms (9443' – 9597') down 4-1/2" csg as per recommendation. Set 10K flow thru composite plug @ 9430'.
10. Perforate Wolfcamp (9232' – 9236', 9323' – 9327', 9348' – 9352', 9388' – 9392', 9414' – 9418') 3 JSPF at 120 degree phasing w/ 3-1/8" casing guns. Total of 60 holes. Depth reference log Halliburton Spectral Density Dual Spaced Neutron Log dated September 4, 2004. RD wireline.
11. Acidize and frac Wolfcamp perms (9232' – 9418') down 4-1/2" csg as per recommendation. RD Stimulation company.
12. RU 1-3/4" coiled tbg unit. TIH w/ 3-3/4" butterfly mill & extreme downhole motor on 1-3/4" CT and drill out sand and composite plugs @ 9430', 9625', 10000', and 10225'. Make a minimum of 2 gel sweeps while drilling out composite plugs. FIH w/ coiled tbg and CO sand to 10950'. TOOH w/ mill, motor, & CT. RD coiled tbg unit.
13. Flow back well until sand production cleans up, the SI well overnight.
14. RU wireline and full 10K lubricator. RIH w/ 3-7/8" GR to 9220'. TIH w/ 10K pkr w/ on-off tool, and a pump out plug (pinned for 7500 psi BHP) in place and set @ \pm 9200'. RD wireline and full lubricator.
15. ND goat head and NU BOP. TIH w/ on-off tool, tbg and gas lift valves as per recommendation testing tubing below slips to 8000 psi. Tag pkr and PU 1 jt. RU PT and establish circ w/ FW. Pickle tbg w/ 500 gals 15% HCl and reverse out acid. Circ hole until good clean wtr is left in annulus (annulus volume = 93 bbls). FIH w/ tbg and latch on to pkr. ND BOP, NU WH. RD pulling unit.
16. RU PT & pressure up to 4000 psig to pump out plug. Put well on production.

**Federal 13 Com #2
30-015-33344
Cimarex Energy of Colorado
March 8, 2010
Conditions of Approval**

- 1. Contact BLM 575-361-2822 a minimum of 24 hours prior to setting CIBPs above Morrow and Atoka.**
- 2. A 210' plug must be set across the top of the Morrow from 11,140'-10,930'.**
- 3. Surface disturbance beyond the existing pad must have prior approval.**
- 4. Closed loop system required.**
- 5. A minimum of a 3M BOP is required and must be tested prior to performing operations. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.**
- 6. Operator to have H2S monitoring equipment on location as H2S has been reported from wells in the area.**
- 7. A new or amended Communitization Agreement is required and the effective date of the agreement shall be prior to any sales.**
- 8. Subsequent sundry with well test and wellbore schematic and completion report required.**

CRW 030810