

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996SUNDRY 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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-94842
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 140907; Irving, TX 75014-0907	3b. Phone No. (include area code) 972-401-3111	7. If Unit or CA/Agreement, Name and/or No. NM-116107
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 18-25S-27E 850' FNL & 1490' FWL		8. Well Name and No. Gadwall 18 Federal Com No. 1
		9. API Well No. 30-015-33496
		10. Field and Pool, or Exploratory Area Cottonwood Draw; Morrow (Gas)
		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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

Recomplete to Atoka,
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 Gadwall 18 Federal Com No. 1 was drilled to a TD of 12250'. It is currently producing from Morrow perms at 11733'-11740' (composite plug at 11650' w/ 35' cmt) and 11585'-11592'.

Cimarex proposes to re-enter, set a CIBP at 11535' w/ 35' cmt, pressure test to 1000 psi, run tubing to 10910', and perf **Atoka** as follows:

10902' - 10912' 4 jsfp 40 holes, acidize w/ 2000 gal 15% Ferchek; stimulate further if necessary based on acid breakdown

If Atoka is economical, Cimarex will turn well to sales. If uneconomical, Cimarex proposes to set a CIBP at 10850' w/ 35' cmt, pressure test to 1000 psi, run tubing to 9800', and perf **Wolfcamp** as follows:

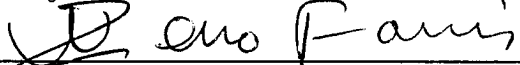
9842'-9847' 4 jsfp 20 holes, acidize w/ 2000 gal 15% Ferchek; stimulate further if necessary based on acid breakdown

If neither zone is economical, Cimarex will set a CIBP at 9800' with 25' cmt on top and request TA status for further evaluation.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Zeno Farris

Signature



Title

Manager Operations Administration

Date

December 19, 2006

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)

APPROVED

DEC 26 2006

FREDERICK WRIGHT
PETROLEUM ENGINEER

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

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0712

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised February 10, 1984
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33496	Pool Code	Pool Name Atoka Wildcat
Property Code	Property Name Gadwall 18 Federal Com	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3187'

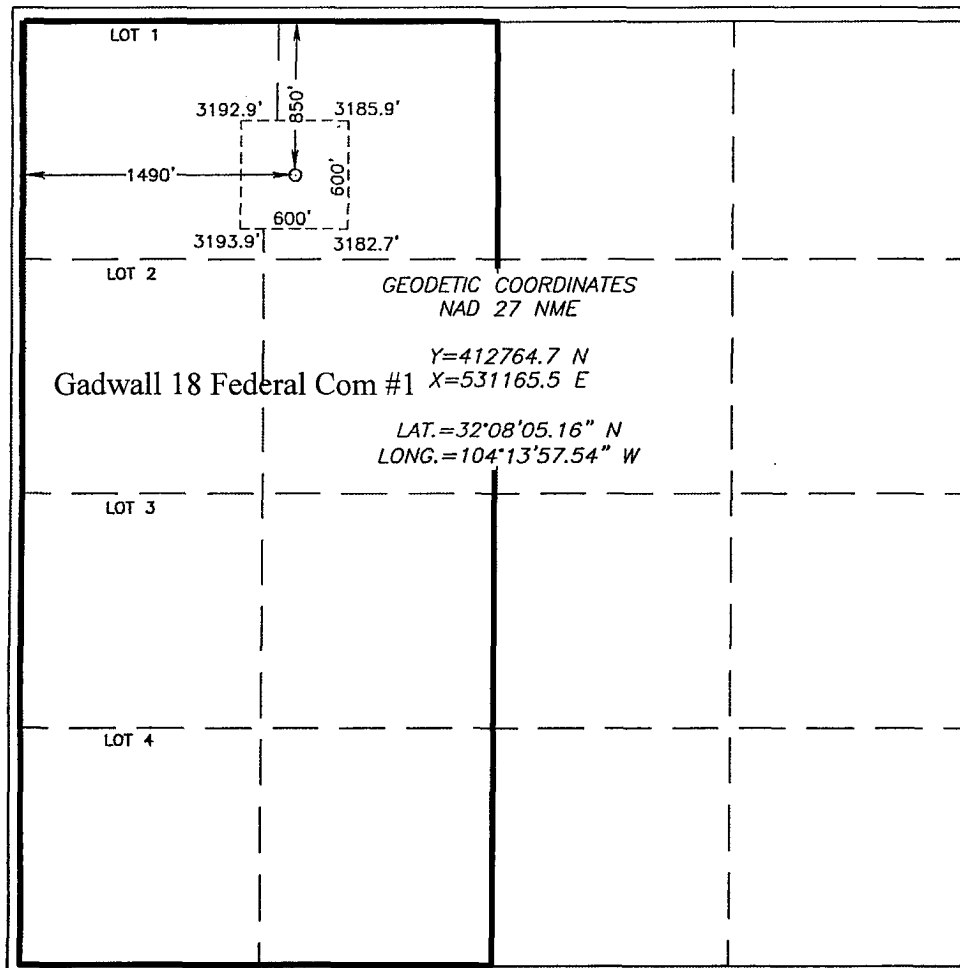
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	25-S	27-E		850'	NORTH	1490'	WEST	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 317.88	Joint or Infill	Consolidation Code C	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.

Zeno Farris

Signature

Zeno Farris

Printed Name

Mgr Operations Admin

Title

12-19-06

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.

MAY 13, 2004

Date Surveyed

JR

Signature & Seal of
Professional Surveyor

Gary B. Edison 5/19/04
04.11.0578

Certificate No. GARY EDISON

12641

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

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

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33496	Pool Code	Pool Name Sage Draw; Wolfcamp, East (Gas)
Property Code	Property Name Gadwall 18 Federal Com	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3187'

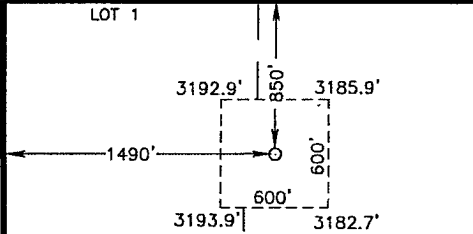
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	25-S	27-E		850'	NORTH	1490'	WEST	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 317.88	Joint or Infill	Consolidation Code C	Order No.						

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	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=412764.7 N X=531165.5 E</p> <p>LAT.=32°08'05.16" N LONG.=104°13'57.54" W</p>	<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><u>Zeno Farris</u> Signature</p> <p>Zeno Farris Printed Name</p> <p><u>Mgr Operations Admin</u> Title</p> <p>12-19-06 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>MAY 13, 2004</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><u>GARY EDDSON</u> 5/19/04 04.11.0578</p> <p>Certificate No. GARY EDDSON 12641</p>



**CIMAREX ENERGY CO.
WORKOVER PROCEDURE**

**Gadwall 18 Federal Com. #1 - Atoka Recompletion
White City Field**

Standard Operating Procedures:

1. Safety meetings will be conducted every morning and before any large or difficult procedure. **"Safety adds Value to Everything we do."**
2. No alcohol, drugs, firearms, or weapons of any kind are permitted on Cimarex property.
3. Pressure test Wellhead and BOP's to manufacturers recommended pressures after any change.
4. All tubular joints will be lubricated with API approved lubricants for that application.
5. Gauge ring runs will be made before attempting any wireline procedures.

Workover Procedure:

1. MIRU pulling unit. ND Tree, NU BOP's. POOH with tubing.
2. RU Wireline and set CIBP at 11,535'. Use dump bailer to place 35' of cement on top of CIBP. Load casing with 3% KCl water and pressure test to 1,000 psi.
3. Run tubing as follows:
 - Reentry guide
 - 2 3/8" X 6' tubing
 - "R" nipple
 - GIH on 2 3/8" tubing.
4. Set end of tubing at 10,910'±. Spot 250 gallons of 15% HCl acid on bottom. PU with end of tubing to 10,870'. Hang off tubing. ND BOP's, NU Tree.
6. RU wireline and perforate Atoka formation from 10,902' – 10,912' (10') with through tubing perforating gun, 4 jspf., 90° phased. RD wireline.
7. Pump into formation to break down perforations. Acidize formation with 2000 gallons 15% Fercheck Acid. Swab well and test formation until constant rate is established.

8. If zone produces gas, determine if additional stimulation is necessary based on acid breakdown performance. If zone is economical, RD&MO PU and turn well to sales. End of Procedure.
9. If zone is not economical, kill well with 3% KCl water. ND Tree, NU BOP's and POOH with tubing.
10. RU wireline and set CIBP at 10,850'. Dump 35' of cement on top of CIBP. RD wireline.
11. Run tubing as follows:
 - Reentry guide
 - 2 3/8" X 6' tubing
 - "R" nipple
 - GIH on 2 3/8" tubing.
12. Set end of tubing at 9,840'±. Spot 250 gallons of 15% HCl acid on bottom. PU with end of tubing to 9,800'±. Hang off tubing. ND BOP's, NU Tree.
13. RU wireline and perforate the Wolfcamp formation from 9,842' to 9,847' (5') with through tubing perforator, 4 jspf., 90° phased. RD wireline.
14. Pump into formation to break down perforations. Acidize formation with 2000 gallons 15% Fercheck Acid. Swab well and test formation until constant rate is established.
15. If zone produces, determine if additional stimulation is necessary based on acid breakdown performance. If zone is economical, RD&MO PU and turn well to sales.
16. If zone is not economical, kill well with 3% KCl water. ND Tree, NU BOP's and POOH with tubing.
17. Set CIBP at 9,800'. Dump 35' cement on top. RIH with tubing. ND BOP's and NU Tree. RD&MO PU. Well TA'd.