



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OCD-ARTESIA**

**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.*

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

5 Lease Serial No  
NM-112254  
6. If Indian, Allottee or Tribe Name  
7. If Unit or CA/Agreement, Name and/or No.  
8. Well Name and No  
Vern 1 Federal No. 1  
9 API Well No  
30-015-34109  
10. Field and Pool, or Exploratory Area  
Cottonwood Draw; Morrow  
11 County or Parish, State  
Eddy County, NM

**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  
PO Box 140907; Irving, TX 75014-0907  
3b. Phone No (include area code)  
972-401-3111  
4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1600' FNL & 1200' FEL  
1-25S-26E 64

JUN 19 2007

**OCD-ARTESIA**

**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 to Atoka	<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 checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recomplate 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 Vern 1 Federal No. 1 is currently marginally producing from Morrow perms @ 11190'-11465.' Cimarex proposes to re-enter and perform the following operations:

11090' per operator 6/15/07  
Set CIBP @ 11050' w/ 35' cmt. 35' if bailed, if dumped 25 sacks for CIBP  
Perforate Atoka Sand @ 10860'-10865' w/ TCP guns. If formation produces in commercial quantities, turn to sales.

If formation does not produce in commercial quantities, POOH w/ tbg, set CBP @ 10800' w/ 35' cmt. Perforate Atoka Sand @ 10432'-10436.' Run 2-3/8" tbg to 10436' and turn well to sales as a Wildcat Atoka gas well.

Please see attached procedure and plat.

APPROVED FOR 6 MONTH PERIOD

ENDING 12/15/07

if cement was dumped and not bailed on CIBP at 11090' - 25 sacks cement are required prior to setting this CIBP, same will apply to this CIBP,

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

Natalie Krueger

Signature

Title

Reg Analyst 1

Date

June 6, 2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Office

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

**APPROVED**

JUN 15 2007

WESLEY W. INGRAM  
PETROLEUM ENGINEER

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)



RECOMMENDED PROCEDURE  
VERN 1 FEDERAL #1  
COTTONWOOD DRAW FIELD  
EDDY COUNTY, NEW MEXICO

**Objective:** Return well to production by perforating the Atoka formation from 10,860' – 10,876' and 10,432' – 10,436'.

**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.

**Procedure:**

1. MIRU well service unit. Bleed off pressure and kill well with 7% KCl water. ND Tree NU BOP's. *Test BOP*
2. Release packer and POOH. Lay down packer and bottom hole assembly. RU electric wireline and GIH with 4.75" gauge ring to 11,050'. POOH. PU 5 1/2" CIBP and GIH. Set plug at  $\pm 11,050'$ . Test casing and plug to 2000 psi for 15 min. Dump 35' of cement on top of plug. RD wireline.
3. RU wireline truck make GR run to 10,900'. POOH. PU 3 3/8" TCP VanGun and GIH on 2 3/8" tubing. RIH to approximate depth as per tubing tally. RU electric line GIH with GR/CCL to locate exact position of locator collar. Position BHA so that top shot is at 10,860'. POOH with EL. Space out and hang off tubing. RU EL and run verification GR/CCL after hanging off tubing. POOH and RD EL.. Perforate the Atoka sand from 10,860' – 10,865'. Swab well in and test. (NOTE: DO NOT PUMP INTO FORMATION OR BREAK DOWN FORMATION BECAUSE OF WATER IN BOTTOM PART OF FORMATION.)

If formation produces in commercial quantities, turn well to sales and RDMO location. If formation does NOT produce in commercial quantities, continue with completion procedure.

4. Kill well with 7% KCl water. ND Tree, NU BOP's. POOH with tubing. RU wireline truck and make gauge ring run to 10,850'. POOH. PU 5 1/2" composite plug and GIH. Set plug at  $\pm 10,800'$ . Dump 35' of sand on top of plug. POOH. PU 3 3/8" Casing perforating gun set

for 6 SPF and 60° phased. GIH and perforate the Atoka sand from 10,432' – 10,436'.  
POOH and RD wireline truck.

5. PU Notched collar, tubing sub, 1.81 Baker profile nipple and GIH on 2 3/8" tubing. Set EOT at 10,436'. PU special built notched collar built with carbide tip cut smooth inside and out, 10' sub, X nipple and RIH on 2 3/8" tubing. Set end of tubing at 11,330'±. ND BOP's, NU Tree. RD pulling unit. Swab well in and test.
6. Turn well to sales.

If desired at a later date, composite plug can be drilled out with tubing and notched collar.

DISTRICT I  
1625 N. FRENCH DR., BOBBS, NM 88240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-34109	Pool Code TBA	Pool Name Wildcat Atoka Gas
Property Code	Property Name VERN 1 FEDERAL	Well Number 1
OGRID No. 162683	Operator Name Cimarex Energy Co. of Colorado	Elevation 3508'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	1	25-S	25-E		1600	NORTH	1200	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 320.12	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

LOT 4	LOT 3	LOT 2	LOT 1
Vern 1 Federal No. 1			
GEODETIC COORDINATES NAD 27 NME Y=422618.2 N X=496636.3 E LAT.=32°09'42.82" N LONG.=104°20'39.13" W			
NM-112254			

<b>OPERATOR CERTIFICATION</b>	
I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	Zeno Farris
Printed Name	Zeno Farris
Title	Mgr Operations Admin
Date	06-06-07
<b>SURVEYOR CERTIFICATION</b>	
I hereby certify that the well location shown on this plat was plotted from the notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.	
Date Surveyed	FEBRUARY 22 2005
Signature & Seal of Professional Surveyor	
Certificate No.	GARY EIDSON 12641