

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.*5. Lease Serial No.  
NMNM12128

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**7. If Unit or CA/Agreement, Name and/or No.  
NMNM121765

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
JUNO 27 FEDERAL COM 3

2. Name of Operator

CIMAREX ENERGY CO OF COLORADO

Contact: NATALIE E KRUEGER

Email: nkrueger@cimarex.com

9. API Well No.

30-015-36424-00-S1

3a. Address

600 E MARIENFELD ST SUITE 600  
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-620-1936

Fx: 432-620-1940

10. Field and Pool, or Exploratory  
HIGH LONESOME-ATOKA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T16S R29E SWSW 660FSL 660FWL

11. County or Parish, and State

EDDY COUNTY, NM

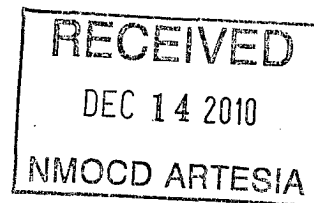
## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including 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.)

Morrow perfs 10325-10442 with CIBP @ 10310 w/ 2 sx cmt. Atoka perfs 10130-10150. Propose to plug Atoka and recomplete to Blinebry/Paddock as shown below and on the attached procedure.

- Rel pkr & TOOH w/ tbg & pkr.
- Pump Class H plug 50' above Atoka perfs (10080-10310), tag. Plug Wolfcamp w/ Class C plug (7144-7319), tag. Plug Abo w/ Class C plug (5820-5980), tag.
- Run CBL, noting TOC.
- Perf Blinebry 4420-4630, 1 shot per 4.2 ft, 50 shots. Frac w/ 911,000 gal slick water and 320,000# 40/70 white sand. Set CBP @ 4350.
- Perf Paddock 3976-4276, 1 shot per 6.7 ft, 45 shots. Frac w/ 521,000 gal slick water and 50,000# 40/70 white sand.
- DO CBP, run sub pump, and turn to sales.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

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

Electronic Submission #98214 verified by the BLM Well Information System  
For CIMAREX ENERGY CO OF COLORADO, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 11/30/2010 (11KMS0310SE)

Name (Printed/Typed) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 11/29/2010

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

Approved By CHRISTOPHER WALLS

Title PETROLEUM ENGINEER

Date 12/10/2010

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 Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

ARM 121765

L - NM - 12128

**JUNO 27 FEDERAL #3  
BLINBERRY / PADDOCK RECOMPLETION**

API # 30-015-36424

660' FSL & 660' FWL

Section 27, T-16-S, R-29-E

Eddy County, New Mexico

GL : 3650'  
KB : 3668.5'  
TD : 10,615'  
PBSD : 10,310'  
SURF CSG : 13-3/8" OD 48#/FT H-40 @ 400' CMNT CIRC TO SURFACE - 540 SX  
INTER CSG : 8-5/8" OD 32#/FT J-55 @ 2660' CMNT CIRC TO SURFACE - 1166 SX  
PROD CSG : 4-1/2" OD 11.6#/FT P-110 @ 10,611' CMNT CIRC TO SURFACE - 1750 SX  
CIBP : 10,310' W/ 2 SX CMNT  
TUBING : 2-3/8" L-80 TUBING TO 9990' (4-1/2" X 2-3/8" OOT ABOVE PKR)  
PACKER : 4-1/2" AS-1X PKR W/ 1.81 PF NIPPLE @ 9990'  
TAILPIPE : 6'X2-3/8" SUB W/ 1.781 NIPPLE /WLEC @ 10,002'  
MORROW PERFS : 10,325'-10,435'  
ATOKA PERFS : 10,130'-10,150'

4-1/2" 11.6# P-110: ID=4.0" DRIFT=3.875" BURST=10,690# COLLAPSE=7,560# CAPACITY=.0155  
bbls/ft

**RECOMPLETION**

1. RIG UP PULLING UNIT. KILL WELL IF NECESSARY. RELEASE PROD PKR @ 9990' AND  
TOOH W/ 2-3/8" TUBING AND 4-1/2" PROD PKR.
2. see  
COA MIRU WIRELINE. MAKE 4-1/2" GAUGE RING RUN TO TOP OF PERFS @ ~10,128'. RIH W/  
~~4-1/2" CIBP AND SET AT ~10,100'.~~ DUMP BAIL 35' CMNT. PLUG OUT UPHOLE ZONES  
ACCORDING TO BLM SPECIFICATIONS.
3. see  
COA LOAD HOLE W/ FRESH WATER AND TEST CSG TO 4000#. RU AND TEST LUBRICATOR TO  
2000 PSI. RIH W/ GAMMA RAY TOOL AND CBL. LOG FROM PBSD TO SURFACE. RUN  
REPEAT WITH NO PRESSURE AND MAIN PASS W/ 1000#. NOTE TOC.
4. RIH W/ PERF GUN. PERFORATE FIRST STAGE (BLINBERRY ZONE) AT 1 SPF SPACED  
OUT OVER 4420'- 4630', ONE SHOT EVERY ~4.2' (50 SHOTS, 0.43" HOLE, 60 DEG  
PHASING). MONITOR SURFACE PRESSURE. POOH.
5. MI FRAC TANKS. NU TREE SAVER. MIRU FLOWBACK EQUIPMENT. MIRU FRAC CREW.
6. see  
COA FRAC FIRST STAGE AS PER FRAC PROCEDURE. MAX SURFACE TREATING PRESSURE  
= 7,950 PSI.
7. RD TREE SAVER. RU WL UNIT.
8. RIH AND SET COMPOSITE BRIDGE PLUG AT 4,350'. POOH.
9. RIH WITH PERF GUN. PERFORATE 2<sup>ND</sup> STAGE (PADDOCK ZONE) AT 1 SPF OVER 3976'-  
4276', ONE SHOT EVERY ~6.7' (45 SHOTS, 0.43" HOLE, 60 DEG PHASING). MONITOR  
SURFACE PRESSURE. POOH.

10. RU FRAC EQUIPMENT. RU TREE SAVER. FRAC SECOND ZONE AS PER FRAC PROCEDURE. MAX SURFACE TREATING PRESSURE = 7,950 PSI.
11. OPEN WELL IMMEDIATELY TO FLOWBACK TANK. FLOW ZONE RECORDING HOURLY FLUID RECOVERIES AND/OR FLUID LEVELS.
12. RIH W/ 3-7/8" BIT. CLEAN AND WASHOUT WELL. DRILL PLUGS OUT TO +/-PBTD.
13. POOH AND RUN SUBPUMP. TURN TO SALES.

**Cimarex Energy Co. of Colorado****JUNO 27 FEDERAL #3**

API 30-015-36424

660' FSL &amp; 660' FWL, Sec 27, T16S R29E

Eddy County, NM

GL 3650'

KB 3668.5'

13 3/8" 48# H40 csg @ 400'  
Cmt w/540sxs, circ to surface

8 5/8" 32# J55 csg @ 2660'  
Cmt w/1166 sx, circ to surface

17 1/2" hole to 400'

11" hole to 5000'

Quantity	Description	Length	Setting Depth
	KB	18.50	
1	4 1/2" X 2 3/8" Tbg Hanger		
1	2 3/8" Tbg ft		
3	2 3/8" Sub 10', 8', 4'		
305	2 3/8" L80		
1	4 1/2" X 2 3/8" OOT		
1	AS-1X pkr w/ 1.81 PF nipple		9990.00
	6" X 2 3/8" sub with 1.781		
	Nipple/WLEC		10001.43

CIBP @ 10,310'  
2 sxs cmt on top CIBP

*PIIC*  
4 1/2" 11.6# J55 @ 10,611'  
Cmt w/1750 sx, circ to surface

**Atoka Perfs:**

10,130'-150' (with stim sleeve over perfs)

**Morrow Perfs:**10,325'-327', 352'-54', 426'-429', 429'-442'  
433'-435'

7 7/8" hole to TD 10,615'

PBTD: 10,310'  
TD: 10,615'

M. Ketter 5/3/2010

DISTRICT I  
1626 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 and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 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

API Number 30-015-36424	Pool Code	Pool Name Blinebry/Paddock Wildcat
Property Code 37001	Property Name JUNO "27" FEDERAL COM	Well Number 3H
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3650'

Surface Location

UL or lot No. M	Section 27	Township 16 S	Range 29 E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 660	East/West line WEST	County EDDY
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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 40	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><b>SURFACE LOCATION</b> Lot - N32°53'13.90" Long - W104°04'08.74" NMSPEC - N 686802.988 E 622450.365 (NAD-83)</p> <p>NM-12128 3646.0' - 3650.5'</p> <p>660'</p> <p>3644.9' - 3644.9'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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 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.</p> <p><u>Natalie Krueger</u> 11/29/2010 Signature Date</p> <p>Natalie Krueger Printed Name</p>		
	<p><b>SURVEYOR CERTIFICATION</b></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>MARCH 27, 2008</p> <p>Date Surveyed Signature Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>		

**Juno 27 Federal Com 3  
30-015-36424  
Cimarex Energy Co. of Colorado  
December 10, 2010  
Conditions of Approval**

- 1. Contact BLM at 575-361-2822 a minimum of 24 hours prior to beginning work.**
- 2. Surface disturbance beyond the originally approved pad must have prior approval.**
- 3. Closed loop system required.**
- 4. Operator to have H2S monitoring equipment on location.**
- 5. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
- 6. Operator shall pump Class H cement plug from CIBP at 10,310' to 50' above Atoka perforations. Plug to be tagged at 10,080' or shallower.**
- 7. Plugs for Wolfcamp and Abo to be set as shown on sundry.**
- 8. Frac pressure must not exceed 70% of burst rating for the 4-1/2" casing.**

**CRW 121010**