

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

COPY

SUBMIT IN TRIPLICATE - Other instructions on reverse side.		5. Lease Serial No. NMLC068960
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator CIMAREX ENERGY COMPANY OF CO Contact: NATALIE E KRUEGER E-Mail: nkrueger@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-620-1936 Fx: 432-620-1940	8. Well Name and No. BLUTAIL 8 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T17S R29E SWNW Lot E 2160FNL 330FWL		9. API Well No. 30-015-38653-00-X1
		10. Field and Pool, or Exploratory EMPIRE
		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 type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Recomplete
	<input checked="" type="checkbox"/> Other Drilling Operations
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal

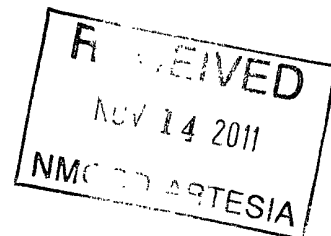
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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 recompleat 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)

Drilling:

06-20-11 Spud 16 in hole.
06-21-11 Ran 11.75 in 42# H40 STC @ 318. Cemented with lead 200 sx C, tail 225 sx C, circ 43 sx, WOC 21.75 hrs, test to 1400# for 30 min, ok.
06-26-11 TD 7.875 in hole @ 4718.
06-27-11 Ran 5.5 in 17# N80 BTC @ 4701. Cemented with lead 550 sx 50/50 POZC, tail 225 sx C, circ 40 sx, tested to 3000# for 30 min, ok, RR.

Completion:

06-30-11 Perfed Blinbry 4190-4589 1 spf, 40 holes.
07-05-11 Frac with 879,713 gal Slickwater & 327,057# 30/50 White Sand. Set CBP @ 4150. Perfed Paddock 3790-4100 1 sof, 52 holes.



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #115494 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 08/22/2011 (11DLM1220SE)	
Name (Printed/Typed) NATALIE E KRUEGER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/18/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 08/28/2011
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 **

Additional data for EC transaction #115494 that would not fit on the form

32. Additional remarks, continued

07-06-11 Frac with 1,236,470 gal Slickwater & 472,207# 30/50 White Sand.
07-27-11 DO CBP @ CO to PBTD @ 4651.
07-28-11 Installed production tubing string: 2.875 in J55 @ 3733.
07-29-11 Installed rod pump. Turned over to production.
08-08-11 First gas production, no oil production as of 08-18-11.

DISTRICT I
1628 N. French Dr., Hobbs, 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

Form C-102
Revised July 16, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30015 38653	Pool Code 96610	Pool Name Empire; Glorieta-Yeso East
Property Code 38549	Property Name BLUETAIL "8" FEDERAL	Well Number 1
GRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Elevation 3648'

Surface Location

UL or lot No. E	Section 8	Township 17 S	Range 29 E	Lot Idn	Feet from the 2160	North/South line NORTH	Feet from the 330	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 40.97	Joint or Infill	Consolidation Code	Order No.						

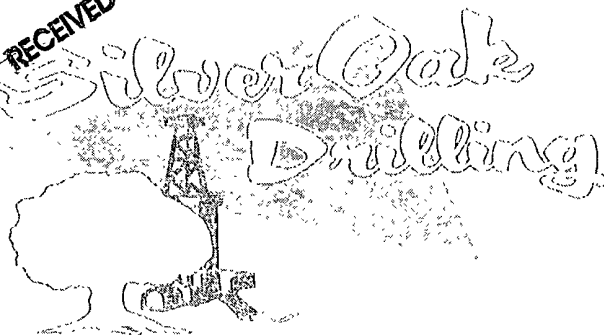
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</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 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.</p> <p>Signature: <i>Terry Stathem</i> Date: 11-10-11</p> <p>Printed Name: <u>Terry Stathem</u></p> <p>Email Address: <u>tstathem@cimarex.com</u></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>Date Surveyed: <u>Nov 4 2010</u></p> <p>Signature: <i>Gary L. Jones</i> Seal of Professional Surveyor 7977</p> <p>Certificate No. <u>Gary L. Jones 7977</u></p> <p>BASIN SURVEYS 23175</p>

HOBBS OCD

JAN 30 2012

RECEIVED



3 D - D15- 38653

PO Box 1370
Artesia, NM 88211-1370
(575) 488-1000

June 29, 2011

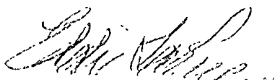
Cimarex Energy Co.
Attn: Jim Evans
600 N. Marienfeld, Suite 600
Midland, TX 79701

RE: Bluetail 8 Federal #1
2160' FNL & 330' FWL
Sec. 8, T17S, R29E
Eddy County, New Mexico

Dear Sir,

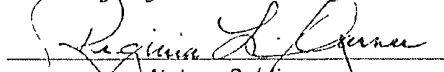
The attached is the Deviation Survey for the above captioned well.

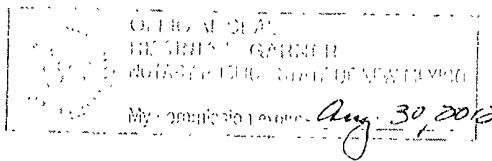
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 29th day of June, 2011.


Regina L. Gannon
Notary Public



Pason DataHub Deviation Survey
Well Dossier 1308602588 - Bluetail 8 Fed #1
#

# Date	Depth	Deviation
6/21/2011	248	0.40
6/22/2011	512	0.50
6/22/2011	727	0.50
6/22/2011	974	0.50
6/22/2011	1226	0.50
6/23/2011	1701	0.50
6/23/2011	2201	0.50
6/24/2011	2616	0.50
6/24/2011	3088	0.50
6/24/2011	3332	0.40
6/25/2011	3808	1.00
6/26/2011	4279	0.50
6/26/2011	4648	0.00

EOF



Cimarex Energy Co. of Colorado
Bluetail 8 Fed 1
2160' FNL & 330' FWL
Sec 8 – T17S – R29E, Eddy Co NM
M. Ketter 30-015-38653 7/5/2011

11-3/4" 42# H40 8rd csg @ 318'
Cmt'd w/425 sxs; Cirl'd cmt.

Tubing Record

8/3/2011

Quantity	Description	Length	Setting Depth
	KB	18	18 00
112	2-7/8" J-55 Tbg	3640 67	3658 67
1	2-7/8" x 3-1/2" Combo Collar	0 65	3659 32
1	3-1/2" Lift Sub	7 45	3666 77
1	Stator	28 50	3695 27
1	3-1/2" Tag Bar Nipple	2 00	3697 27
1	3-1/2" X 2-7/8" Xover	0 65	3697 92
1	2-7/8" J55 Tbg	32 51	3730 43
1	2-7/8" X 5-1/2" RHS TAC	2 85	3733 28

Rod Record

8/3/2011

Quantity	Description	Length	Setting Depth
1	1-1/4" x 22' PR	22 00	40 00
1	1' UHS Rod	25.00	65 00
1	1" x 8' Pony Sub	8.00	73.00
143	1" UHS Rods	3575.00	3648.00
1	Pump Rotor	27.71	3675 71

Paddock Perfs:
3790'-4100'

Blinebry Perfs:
4190'-4589'

5 1/2" 17# N80 BTC csg @ 4,718'
Cmt'd w/775 sxs, Cirl'd cmt

TD: 4718'
PBTD:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No. NMLC068960	
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr Other _____		6 If Indian, Allottee or Tribe Name	
2 Name of Operator CIMAREX ENERGY COMPANY OF CO		7 Unit or CA Agreement Name and No	
Contact: TERRI STATHEM Email: tstathem@cimarex.com		8 Lease Name and Well No BLUETAIL 8 FEDERAL 1	
3. Address 600 NORTH MARIENFELD STREET SUITE 600 MIDLAND, TX 79701		9. API Well No. 30-015-38653-00-S1	
3a Phone No. (include area code) Ph 432-620-1936		10. Field and Pool, or Exploratory EMPIRE	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 8 T17S R29E Mer NMP At surface SWNW Lot E 2160FNL 330FWL At top prod interval reported below At total depth		11 Sec, T, R, M., or Block and Survey or Area Sec 8 T17S R29E Mer NMP	
14. Date Spudded 06/20/2011		15. Date T D Reached 06/26/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/08/2011		17. Elevations (DF, KB, RT, GL)* 3648 GL	
18 Total Depth. MD 4718 TVD		19 Plug Back T D. MD 4701 TVD	
20 Depth Bridge Plug Set MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSP DLL	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
16:000	11.750 H-40	42 0	0	318		425		0	
7.875	5.500 N-80	17 0	0	4718		775		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3733							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) PADDOCK	3790	4100	3790 TO 4100		52	OPEN PADDOCK
B) BLINEBRY	4190	4589	4190 TO 4589		40	OPEN BLINEBRY
C)						
D)						

27 Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3750 TO 4100	1,236,470 gal slickwater, 472,207# 30/50 white sand
4190 TO 4589	879,713 gal slickwater, 327,057# 30/50 white sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
08/20/2011	08/30/2011	24	→	64 0	134 0	700 0	35 9	1 27	ELECTRIC-PUMPING-UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	150	80 0	→	64	134	700	2093	POW	

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #122932 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Accepted for record
NMOCD

DEC 02 2011

RECEIVED

NOV 22 2011

NMOCD ARTESIA

RECLAMATION
DUE 2-8-12

ACCEPTED FOR RECORD

NOV 20 2011

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
CAPTURED

30 Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31 Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
BLINEBRY PADDOCK	4366 5145			RUSTLER BASE OF SALT SAN ANDRES GLORIETA BLINEBRY TUBB	200 700 2397 3801 4366 5145

32. Additional remarks (include plugging procedure).
LOG SENT VIA US MAIL.

33 Circle enclosed attachments

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions).

Electronic Submission #122932 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 11/15/2011 (12KMS0304SE)

Name (please print) TERRI STATHEMTitle AUTHORIZED REPRESENTATIVESignature (Electronic Submission)Date 11/10/2011

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

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised June 10, 2003

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld., Ste. 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW / 08-20-2011
⁴ API Number 30-015-38653	⁵ Pool Name Empire; Glorieta-Yeso, East	⁶ Pool Code 96610
⁷ Property Code 38549	⁸ Property Name Bluetail 8 Federal	⁹ Well Number 001

II. 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
E	8	17S	29E		2160	North	330	West	Eddy

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 08-10-11		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
21778	Sunoco Inc R&M PO Box 2039 Tulsa, OK		O	
180055	Duke Energy Field Services 6120 S. Yale Ave. Ste 1100 Tulsa, OK		G	

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description Same as above
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V. Well Completion Data

²⁵ Spud Date 06/20/11	²⁶ Ready Date 08/08/11	²⁷ TD 4718	²⁸ PBTB 4701	²⁹ Perforations Blinebry 4190-4589 Paddock 3790-4100	³⁰ DHC, MC
³¹ Hole Size 16	³² Casing & Tubing Size 11.75	³³ Depth Set 318		³⁴ Sacks Cement 425	
7.875	5.5	4718		775	
	2.375	3733			

VI. Well Test Data

³⁵ Date New Oil 08/20/11	³⁶ Gas Delivery Date 8-10-11	³⁷ Test Date 08/30/11	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure 150	⁴⁰ Csg. Pressure 80
⁴¹ Choke Size 36/64	⁴² Oil 64	⁴³ Water 700	⁴⁴ Gas 134	⁴⁵ AOF	⁴⁶ Test Method Producing

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed name: Terri Stathem

Title: Regulatory Analyst

E-mail Address: tstathem@cimarex.com

Date: November 10, 2011 Phone: 432-620-1936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

JAN 30 2012

dm