

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals for drilling or re-entering an abandoned well. Use form 3160-2 (APP) 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

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)

24-19S-33E

1650' FSL & 1980' FWL

Unit K-

5. Lease Serial No.

NM-100861

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Esmeralda Federal 24 No. 1

9. API Well No.

30-025-34484

10. Field and Pool, or Exploratory Area

East
Gem; Strawn (Oil) & Tonto; Wolfcamp

11. County or Parish, State

Lea County, NM

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

TYPE OF SUBMISSION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ 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 Re-enter,
recomplete, and DHC

Wolfcamp & Strawn

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.)

03.04.08 Perf'd Strawn 12174'-12187' 3 spf, size 0.42, 39 holes.

03.06.08 Frac'd Strawn 12174'-12187' w/ 77971 gal XF 125ST Frac Fluid and 106000# 20/40 SIN Bauxite.

03.12.08 Strawn well test: oil 16, gas 24, water 37 (swab test).

03.14.08 Set CBP @ 11600' and dumped 10' cement on top. Shot 6 (6 jsp) squeeze holes @ 11350' and 6 (6 jsp) squeeze holes @ 11280'. Set additional CBP @ 11270'.

Perf'd Wolfcamp 11204'-11212' 4 jsp, size 0.42, 32 holes.

03.18.08 Acidized Wolfcamp 11204'-11212' w/ 3550 gal 28% NeFe HCl and 50 1.3sg RCNBs.

03.20.08 Wolfcamp well test: oil 2, gas 3, water 5 (swab test).

03.26.08 Drilled up CBPs @ 11270' and 11600'.

04.09.08 Turned well to sales (oil only, first gas sales 05-04-08). Tbg: 2½" L-80, TAC @ 10061, Mechanical SN @ 12075, Sand Screen @ 12099, Mud anchor @ 12114, Bull Plug @ 12115' (EOT 12115'). Rod Pump: 2½" x 1¼" x 24' SSP.

05.04.08 Well test for combined Strawn/Wolfcamp production: oil 7, gas 31, water 3.

DHC %	Oil %	Gas %	Water %
Strawn	89%	89%	88%
Wolfcamp	11%	11%	12%

C1
C2

DHC-3999

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

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Regulatory Analyst

Date

May 30, 2008

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.

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)

ACCEPTED FOR RECORD

JUN 8 2008

J. Amos

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

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

JUN 10 2008

COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other Re-enter & DHC Strawn & Wolfcamp

2. Name of Operator
Cimarex Energy Co. of Colorado

3. Address
PO Box 140907; Irving, TX 75014

3a. Phone No. (include area code)
972-443-6489

4. Location of Well (Report Location clearly and in accordance with Federal requirements)*

At surface 1650' FSL & 1980' FWL

At top prod. interval reported below

At total depth

14. Date Spudded
08.18.98

15. Date T.D. Reached
02.20.08

16. Date Completed 04.09.08
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3657' GL

18. Total Depth: MD 13,118' TVD
19. Plug Back TD: MD 12,960' TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey ☒ No ☐ Yes (Submit copy)

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
17 1/2"	*13 1/2" H-40	48	0'	437'		315 sx PB Filler/CIC		0'	
11"	*8 1/2" J-55	32	0'	4,527'		1550 sx IntC/PremP		0'	
7 1/2"	5 1/2" P-110	17	0'	13,118'		875 sx IntH/SupH		3630' CBL	
*Casing set by Matador Operating Co. in 08-08									

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 1/2"	12,115'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Strawn	12,132'	12,400'	12174'-12187' (Strawn)	0.42	39	Producing
B) Wolfcamp	10,841'	11,831'	11204'-11212' (Wolfcamp)	0.42	32	Producing
C)						
D)						

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

Depth Interval	Amount and Type of Material
12174'-12187'	77971 gal XF 125ST Frac Fluid and 106000# 20/40 SIN Bauxite
11204'-11212'	3550 gal 28% NeFe HCl & 50 1.3sx RCNBs

ACCEPTED FOR RECORD

JUN 8 2008

J. Amos

28. Production - Interval A - **Strawn**

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04.09.08	03.12.08	24	→	16	24	37	44	1.032	Pumping
Choke Size	Tbg Press Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
open	SI 190	0	→				1,500	Producing (DHC) (SI behind CBP from 03-14-08 until 03-26-08 in order to perform Wolfcamp completion operations)	

28. Production - Interval B - **Wolfcamp**

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
04.09.08	03.20.08	24	→	2	3	5	42.9	1.319	Pumping
Choke Size	Tbg Press Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
open	SI 369	0	→				1,500	Producing (DHC)	

* (See instructions and spaces for additional data on page 2)

KZ

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.*)

Flared from 03-06-08 till 04-30-08, then sold

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
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Yates	3,409'
				7 Rivers	3,665'
				Grayburg	4,343'
				San Andres	4,718'
				Delaware	5,411'
				Brushy Canyon	7,636'
				BS 1st Carb	7,999'
				BS 1st SS	9,269'
				BS 2nd SS	9,809'
				BS 3rd SS	10,558'
				Wolfcamp Sh	10,841'
				Wolfcamp Carb	11,028'
				Cisco	11,831'
				Canyon	12,033'
				Strawn	12,132'
				Atoka	12,400'
				Atoka LS	12,745'
				L Morrow	12,926'
				M Morrow	13,126'

32. Additional remarks (include plugging procedure):
- Strawn completion from 03-04-08 till 03-14-08. Strawn temporarily plugged on 03-14-08. Wolfcamp completion from 03-14-08 to 03-26-08. Strawn plug moved and well DHC 03-26-08.
 - First oil sales 04-09-08 and first gas sales 04-30-08.
 - Rod Pump: 2½" x 1¼" x 24' SSP rod pump

33. Indicate which items have been attached by placing a check in the appropriate boxes:

<input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.)	<input type="checkbox"/> Geologic Report	<input type="checkbox"/> DST Report	<input type="checkbox"/> Directional Survey
<input type="checkbox"/> Sundry Notice for plugging and cement verification	<input type="checkbox"/> Core Analysis	<input type="checkbox"/> Other:	

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

Name (*please print*) Natalie Krueger Title Regulatory Analyst

Signature Natalie Krueger Date May 30, 2008

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.

Cimarex Energy Co. of Colorado

Esmeralda Federal 24 No. 1

Spudded 08-18-98
Proposed Gem; Strawn, East
30-025-34484

CURRENT CONDITION

N. Krueger 01-08-08

KB: 3677'
CH:
GL: 3657'

1650' FNL & 1980' FWL
24-19S-33E
Unit Letter K
Lea County, New Mexico

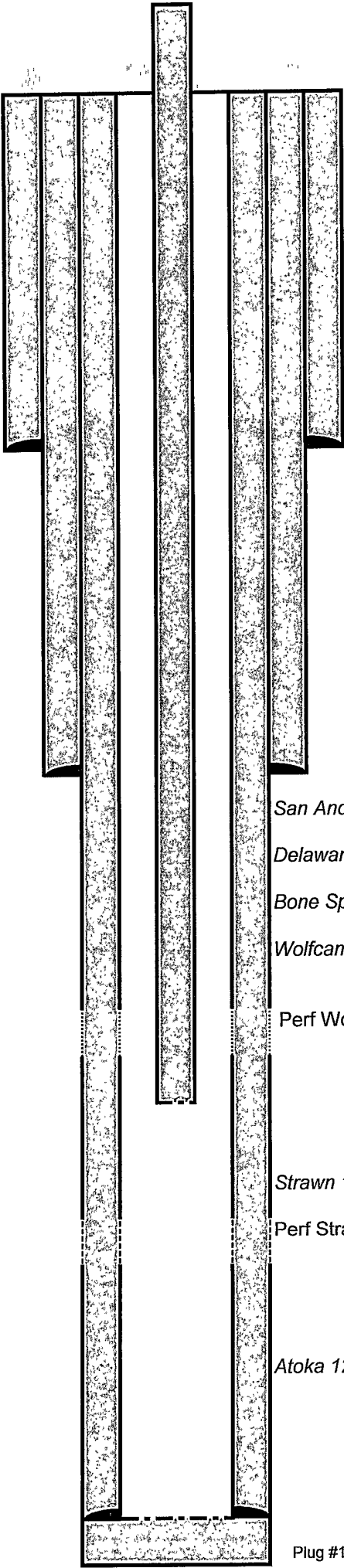
Casing Strings:

13-3/8" (17-1/2" hole), 48# H-40
@ 487' w/ 315 sx cmt
TOC @ surface - circ

8-5/8" (11" hole), 32# J-55
@ 4524' w/ 1550 sx cmt
TOC @ surface - circ

2-7/8" tubing to 12115'

5-1/2" (8-3/4" hole) 17# P-110
@ 13118' w/ 875 sx cmt
TOC @ 3630'



San Andres 4540'
Delaware 5410'
Bone Spring 8000'
Wolfcamp 10600'
Perf Wolfcamp 11204'-11212'
Strawn 12130'
Perf Strawn 12174'-12187'
Atoka 12400'

Plug #1: 180 sx Sup H 13650'-13075'

TD = 13650'
PBSD = 12960'