

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator **CIMAREX ENERGY CO OF COLORADO** Contact: **NATALIE E KRUEGER**
Email: **nkrueger@cimarex.com**

3. Address **600 E MARIENFELD ST SUITE 600** 3a. Phone No. (include area code)
MIDLAND, TX 79701 Ph: **432-620-1936**

4. Location of Well (Report location clearly and in accordance with Federal requirements)
At surface **SESE 660FSL 330FEL**
At top prod interval reported below
Sec 10 T25S R26E Mer NMP
At total depth **SWSW 1122FSL 660FWL**

5. Lease Serial No. **NNNM19423**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No. _____

8. Lease Name and Well No. **WHITE CITY 10 FEDERAL 3**

9. API Well No. **30-015-38097-00-S1**

10. Field and Pool, or Exploratory **SAGE DRAW, WC E**
UNKNOWN

11. Sec., T., R., M., or Block and Survey or Area **Sec 10 T25S R26E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **09/20/2010** 15. Date T.D. Reached **11/03/2010**

16. Date Completed **01/10/2011** ☒ Ready to Prod.

17. Elevations (DF, KB, RT, GL)* **3370 GL**

18. Total Depth: **MD 13918** 19. Plug Back T.D.: **MD 13854**
TVD 9698 **TVD 9696**

20. Depth Bridge Plug Set: **MD**
TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ 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
17.500	13.375 H-40	48.0	0	450		350		0	
17.500	13.375 H40	48.0	0	468		440		0	
12.250	9.625 J55	40.0	0	1946		620		0	
12.250	9.625 J-55	36.0	0	1950		310		0	
8.750	7.000 P110	26.0	0	9362		1830		0	
8.750	7.000 P-110	26.0	0	9418		1100		1750	

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	9116	9110						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	9956	13859	12356 TO 12659	0.420	72	OPEN, SEE LAST 6 STAGES IN
B)			12756 TO 13059	0.420	72	OPEN
C)			13156 TO 13459	0.420	72	OPEN
D)			13556 TO 13859	0.420	72	OPEN

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

Depth Interval	Amount and Type of Material
12356 TO 12659	238,975 GAL 15# XL BORATE & 357,515# 30/50 WHITE SAND, SEE LAST 6 STAGES IN BOX 53
12756 TO 13059	297,503 GAL 15# XL BORATE & 354,529# 30/50 WHITE SAND
13156 TO 13459	246,490 GAL 15# XL BORATE & 340,347# 30/50 WHITE SAND
13556 TO 13859	344,416 GAL 15# XL BORATE & 354,163# 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
01/18/2011	02/02/2011	24	→	31.0	1483.0	58.0	60.8	1.17	FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22/48	SI	0.0	→	31	1483	58	47838	PGW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #102257 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

APR 13 2011

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.)
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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				DELAWARE CHERRY CANYON BRUSHY CANYON BONE SPRING	1968 2916 4061 5442

32. Additional remarks (include plugging procedure):

Box 40 Addtl Info:

On production casing, 7 inch was run from 0-9362 and 2.875 inch 2.18# IJ Fiberglass tubing was run from 9362-10162. Cemented with 470 sx Versacem and used as a kick off plug.

Box 43 Cont'd:

Stage 5 Wolfcamp perms: 11956-12259 0.42, 72 holes, open

Stage 6 Wolfcamp perms: 11556-11859 0.42, 72 holes, open

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 #102257 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 02/14/2011 (11KMS0826SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 02/09/2011

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 ** REVISED **

Additional data for transaction #102257 that would not fit on the form

23. Casing and Liner Record, continued

Hole Size	Size/Grade	Wt. (#/ft.)	Top(MD)	Btm(MD)	Stg Cmnr	Sx, Type Cmnr	Slurry Vol	Cement Top	Amt Pulled
6.125	4.500 P110	11.6	9227	13917		470		9227	
6.125	4.500 P-110	11.6	9318	13972		0		0	

32. Additional remarks, continued

Stage 7 Wolfcamp perms: 11156-11459 0.42, 72 holes, open
Stage 8 Wolfcamp perms: 10756-11059 0.42, 72 holes, open
Stage 9 Wolfcamp perms: 10356-10659 0.42, 72 holes, open
Stage 10 Wolfcamp perms: 9956-10259 0.42, 72 holes, open

Box 44 Cont'd:

Stage 5 Frac: 236,459 gal 15# XL Borate & 309,670# 30/50 White Sand
Stage 6 Frac: 241,828 gal 15# XL Borate & 289,512# 30/50 White Sand
Stage 7 Frac: 251,035 gal 15# XL Borate & 340,123# 30/50 White Sand
Stage 8 Frac: 298,205 gal 15# XL Borate & 377,301# 30/50 White Sand
Stage 9 Frac: 266,354 gal 15# XL Borate & 367,584# 30/50 White Sand
Stage 10 Frac: 287,529 gal 15# XL Borate & 374,526# 30/50 White Sand

Box 52 Cont'd

TBSS 8315
Wolfcamp 8670
Cisco Canyon 10275
Strawn 10584
Morrow 11371

Logs to be sent via mail.