

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

5. Lease Serial No.
NMNM14124

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator CIMAREX ENERGY CO. OF COLORADO Contact: NATALIE E KRUEGER Email: nkrueger@cimarex.com		8. Lease Name and Well No. MARQUARDT 12 PENN FEDERAL 002	
3. Address 600 N. MARIENFELD ST., STE. 600 MIDLAND, TX 79701		9. API Well No. 30-015-34329	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 2310FNL 1330FEL At top prod interval reported below SWNE 2310FNL 1330FEL At total depth SWNE 2310FNL 1330FEL		10. Field and Pool, or Exploratory CISCO/WOLFCAMP	
14. Date Spudded 09/23/2005		15. Date T.D. Reached 10/12/2005	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/08/2010		17. Elevations (DF, KB, RT, GL)* 3372 GL	
18. Total Depth: MD 12234 TVD		19. Plug Back T.D.: MD 11430 TVD	
20. Depth Bridge Plug Set: MD 11465 TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) LOGS RUN ON INITIAL COMPLETION	
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375	48.0	0	217		230		0	
12.250	9.625	40.0	0	2705		825		0	
8.750	5.500	17.0	0	12141	6625	2525		2130	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9155	9144						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CISCO/CANYON	10032	10239	10133 TO 10239	3.130	93	OPEN
B) WOLFCAMP	9181	9727	10032 TO 10106	3.130	60	OPEN
C)			9607 TO 9727	3.130	60	OPEN
D)			9399 TO 9533	3.130	60	OPEN, SEE LAST STAGE IN BC

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

Depth Interval	Amount and Type of Material
10133 TO 10239	1000 GAL 15% HCL, 4000 GAL 6% HCL-1.5% HF, 184460 GAL SLICKWATER, 18987# 100 MESH, 101459# 30/50
10032 TO 10106	1028 GAL 15% HCL, 4051 GAL 6% HCL-1.5% HF, 186270 GAL SLICKWATER, 20462# 100 MESH, 100928# 30/50
9607 TO 9727	2010 GAL 15% HCL, 8000 GAL 6% HCL-1.5% HF, 278378 GAL SLICKWATER, 30325# 100 MESH, 126182# 30/50
9399 TO 9533	1055 GAL 15% HCL, 4018 GAL 6% HCL-1.5% HF, 284999 GAL SLICKWATER, 29209# 100 MESH, 194896# 30/50

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
09/18/2010	10/18/2010	24	→	10.0	189.0	32.0	56.4	0.99	FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	1000 SI	0.0	→				18900	PGW	

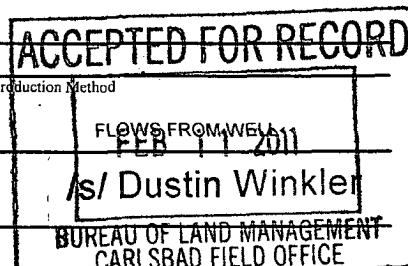
28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/18/2010	10/18/2010	24	→	23.0	442.0	76.0	56.1	0.99	FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
18/64	1000 SI	0.0	→				19217	PGW	

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

ELECTRONIC SUBMISSION #101686 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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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	1936
				BONE SPRING	5419
				WOLFCAMP	8513
				CISCO CANYON	10010
				STRAWN	10244
				ATOKA	10415
				MORROW	11028

32. Additional remarks (include plugging procedure):

Well downhole commingled under NMOCD Order DHC-4314.

Continued Perf/Frac Details:

Wolfcamp 9181-9347 3 jsf, 3.13, 60 holes. Frac'd w/ 1684 gal 15% HCl, 5765 gal 6% HCl-1.5 HF, 223036 gal slick water, 28952# 100 mesh, 106348# 30/50.

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 #101686 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 01/28/2011

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.

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