

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

OCD- Artesia

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM104664		
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 CO OF COLORADO Contact: NATALIE E KRUEGER Email: nkrueger@cimarex.com			7. Unit or CA Agreement Name and No.		
3. Address 600 E MARIENFELD ST SUITE 600 MIDLAND, TX 79701			8. Lease Name and Well No. SCARLET 34 FEDERAL 1		
3a. Phone No. (include area code) Ph: 432-620-1936			9. API Well No. 30-015-37817-00-C1/C2		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NENE Lot A 660FNL 660FEL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory COTTONWOOD SPRING Upper pm		
			11. Sec., T., R., M., or Block and Survey or Area Sec 34 T25S R25E Mer NMP		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 05/24/2010		15. Date T.D. Reached 06/12/2010	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/02/2010		17. Elevations (DF, KB, RT, GL)* 3648 GL
18. Total Depth: MD 10640 TVD		19. Plug Back T.D.: MD 10607 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) PEX-HRLA-HNGS-B TDLD-DLD-DLL-MS CNL-GR			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 H-40	48.0	0	465		400		0	
12.250	9.625 J-55	40.0	0	1682		600		0	
8.750	7.000 P-110	26.0	0	10640	5482	1200		1420	

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	8420	8414						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) C1 WOLFCAMP	8507	9425	8507 TO 9425	0.420	237	OPEN, Wolfcamp
B) C2 CISCO	9874	10213	9874 TO 10213	0.420	150	OPEN, Cisco
C)						
D)						

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

Depth Interval	Amount and Type of Material
8507 TO 8624	gal gel, 179863# 30/50 White sand
8854 TO 9094	gal gel, 268818# 30/50 White sand
9125 TO 9282	gal gel, 257703# 30/50 White sand
9303 TO 9425	gal gel, 188155# 30/50 White sand

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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
10/05/2010	11/05/2010	24	→	8.0	274.0	43.0	53.4	0.70	FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 560 SI	Csg. Press. 680.0	24 Hr. Rate →	Oil BBL 8	Gas MCF 274	Water BBL 43	Gas:Oil Ratio 34250	Well Status 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
10/05/2010	11/05/2010	24	→	25.0	781.0	185.0	53.4	0.70	FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 560 SI	Csg. Press. 680.0	24 Hr. Rate →	Oil BBL 25	Gas MCF 781	Water BBL 185	Gas:Oil Ratio 31240	Well Status PGW	

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

ELECTRONIC SUBMISSION #100707 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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DHC-4288

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
BELL CANYON	1785	2613	SANST, SHALE, MIN. LIMEST, WET	TOP SALT	950
CHERRY CANYON	2613	3537	SANST, SHALE, MIN. LIMEST, WET	BELL CANYON	1785
BRUSHY CANYON	3537	5160	SANST, SHALE, MIN. LIMEST, WET	CHERRY CANYON	2613
BONE SPRING	5160	8236	LIMEST, SHALE, MIN. SANDST, GAS	BRUSHY CANYON	3537
WOLFCAMP	8236	9847	SHALE, MIN. LIMEST, GAS	BONE SPRING	5160
				WOLFCAMP	8236

32. Additional remarks (include plugging procedure):

Box 44 Continued Acid, Fracture, Treatment, Cement Squeeze, etc.:

8854-9094 422,561 gal gel, 257,703# 30/50 White Sand

8507-8624 288,701 gal gel, 179,863# 30/50 White Sand

Box 52 Continued Formation (Log) Markers

Atoka 10403

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 #100707 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 01/18/2011 (11KMS0604SE)

Name (please print) NATALIE E KRUEGER

Title REGULATORY

Signature (Electronic Submission)

Date 01/18/2011

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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Additional data for transaction #100707 that would not fit on the form

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

Depth Interval	Amount and Type of Material
9874 TO 9998	gal gel, 178524# 30/50 White sand
10024 TO 10213	gal gel, 222585# 30/50 White sand

32. Additional remarks, continued

DHC Allocation
Cisco Canyon oil 23%, gas 26%, water 19%
Wolfcamp oil 77%, gas 74%, water 81%

Logs to be sent via mail.