

Submit To Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
 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

**RECEIVED**  
**MAR 10 10 29 AM 2008**  
**HOBBS, NM**  
 State of New Mexico  
 Energy, Minerals and Natural Resources  
 Conservation Division  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-105  
 Revised June 10, 2003  
 WELL API NO.  
**30-025-38136**  
 5. Indicate Type of Lease  
 STATE  FEE   
 State Oil & Gas Lease No.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 b. Type of Completion:  
 NEW  WORK  DEEPEN  PLUG  DIFF. WELL  OVER  
 BACK RESVR  OTHER

2. Name of Operator  
**Cimarex Energy Co. (215099)**

3. Address of Operator  
**PO Box 140907; Irving, TX 75014-0907**

4. Well Location  
 SHL: Unit Letter N : 380 Feet From The South Line and 1710 Feet From The West Line  
 Section 13 Township 15S Range 37E NMPM \_\_\_\_\_ County Lea

10. Date Spudded **07-12-07** 11. Date T.D. Reached **08-11-07** 12. Date Compl. (Ready to Prod.) **NA** 13. Elevations (DF& RKB, RT, GR, etc.) **3771' GR** 14. Elev. Casinghead

15. Total Depth **9794'** 16. Plug Back T.D. **9710'** 17. If Multiple Compl. How Many Zones? \_\_\_\_\_ 18. Intervals Drilled By **Rotary** Rotary Tools \_\_\_\_\_ Cable Tools \_\_\_\_\_

19. Producing Interval(s), of this completion - Top, Bottom, Name \_\_\_\_\_ 20. Was Directional Survey Made **No**

21. Type Electric and Other Logs Run **Porosity, Resistivity, Sonic, Cement Bond** 22. Was Well Cored **No**

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13%	48	629'	17%	550 sx, circ 100 sx	
8%	32	4682'	12%	1680 sx, circ 447 sx	
5%	17	9794'	7%	1115 sx, TOC 1370'	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
	DEPTH INTERVAL   AMOUNT AND KIND MATERIAL USED
9522'-9524' 6 spf 0.42" dia 13 holes CIBP @ 9517'	9522'-9524'   250 gal 15% HCl NeFe w/ 7% KCl flush
9452'-9510' 4 spf, 0.42" dia, 96 holes CIBP @ 9210' w/ 45' sand	9452'-9510'   1500 gal 15% HCl NeFe w/ 7% KCl flush

**28. PRODUCTION**

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24 Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) \_\_\_\_\_ Test Witnessed By \_\_\_\_\_

30. List Attachments \_\_\_\_\_

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature Natalie Krueger Printed Name Natalie Krueger Title Reg Analyst Date 3/5/2008  
 E-mail Address nkrueger@cimarex.com

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies 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	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> Revised June 10, 2003  WELL API NO. <b>30-025-38136</b>  5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>  State Oil & Gas Lease No.
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**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. Type of Completion: NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. WELL OVER <input type="checkbox"/> BACK <input type="checkbox"/> RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Lease Name or Unit Agreement Name  <b>Redcloud 13 Fee</b>  8. Well No.  <b>002 (Horizontal)</b>  9. Pool name or Wildcat  <b>Denton; Wolfcamp</b>
2. Name of Operator  <b>Cimarex Energy Co. (215099)</b>	
3. Address of Operator  <b>PO Box 140907; Irving, TX 75014-0907</b>	

4. Well Location  
 SHL: Unit Letter **N** : **380** Feet From The **South** Line and **1710** Feet From The **West** Line  
 BHL: Unit Letter **K** : **2271** Feet From The **South** Line and **1787** Feet From The **West** Line  
 Section **13** Township **15S** Range **37E** NMPM County **Lea**

10. Date Spudded <b>07-12-07</b>	11. Date T.D. Reached <b>Lateral 10-23-07</b>	12. Date Compl. (Ready to Prod.) <b>11-27-07</b>	13. Elevations (DF& RKB, RT, GR, etc.) <b>3771' GR</b>	14. Elev. Casinghead
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15. Total Depth <b>MD 11121'</b> <b>TVD 9418'</b>	16. Plug Back T.D. <b>Pilot hole 9710'</b>	17. If Multiple Compl. How Many Zones? <b></b>	18. Intervals Drilled By <b>Rotary</b>	Rotary Tools <b></b> Cable Tools <b></b>
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19. Producing Interval(s), of this completion - Top, Bottom, Name  
**Denton; Wolfcamp 9380'-11121' (MD)**

20. Was Directional Survey Made  
**No**

21. Type Electric and Other Logs Run  
**Porosity, Resistivity, Sonic, Cement Bond**

22. Was Well Cored  
**No**

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13%	48	629'	17%	550 sx, circ 100 sx	
8%	32	4682'	12%	1680 sx, circ 447 sx	
5%	17	9794'	7%	1115 sx, TOC 1370'	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
2 1/2"	8976'	11000'	No cmt needed		2 1/2"	8976'	8976' (att. to Inr.)

26. Perforation record (interval, size, and number)  
**PEAK Completions Assembly - see attachment for detailed drawing and for 4-Stage Frac details**

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

**28. PRODUCTION**

Date First Production <b>11-27-07</b>	Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> ) <b>Pumping - 25 x 150 x 30 x 5 RHBM Don-nan pump</b>	Well Status ( <i>Prod. or Shut-in</i> ) <b>Producing</b>
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Date of Test <b>12-15-07</b>	Hours Tested <b>24</b>	Choke Size <b>open</b>	Prod'n For Test Period	Oil - Bbl <b>76</b>	Gas - MCF <b>18</b>	Water - Bbl. <b>24</b>	Gas - Oil Ratio <b>237</b>
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Flow Tubing Press.	Casing Pressure	Calculated 24 Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - ( <i>Corr.</i> ) <b>45.1</b>
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29. Disposition of Gas (*Sold, used for fuel, vented, etc.*)  
**Sold**

Test Witnessed By

30. List Attachments  
**C-102, Deviation Report, PEAK Systems drawing, Frac details, Directional Survey**

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature Printed Name **Natalie Krueger** Title **Reg Analyst** Date **3/5/2008**  
 E-mail Address **nkrueger@cimarex.com**

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	3153'	T. Miss	T. Cliff House
T. 7 Rivers	3339'	T. Devonian	T. Menefee
T. Queen	3952'	T. Silurian	T. Point Lookout
T. Grayburg	4260'	T. Montoya	T. Mancos
T. San Andres	4441'	T. Simpson	T. Gallup
T. Glorieta	6699'	T. McKee	B. Greenhorn
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	6920'	T. Gr. Wash	T. Morrison
T. Tubb	7490'	T. Delaware	T. Todilto
T. Drinkard	7761'	T. Bone Spring	T. Entrada
T. Abo Shale	T. Morrow	T. Wingate	T.
T. Wolfcamp	9380'	T. SBSS	T. Chinle
T. Penn	T. Barnett	T. Permian	T.
T. Cisco (Bough C)	T. Rustler	2155'	T. Penn "A"

### OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
 No. 2, from.....to.....  
 No. 3, from.....to.....  
 No. 4, from.....to.....

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

Perforation/Fracture/Acidization Attachment

**Redcloud 13 Fee No. 2**

Cimarex Energy Co.

30-025-38136

Lea County, NM

Perforation Record	Depth Interval	Acid, Shot, Fracture, Cement Squeeze, Etc. Amount and Kind of Material Used
Lateral Hole, PEAK Completion Assembly Installed	Stage 1 10999'-10799'	Pump 250 g slick 15% HCl NeFe, 5000 g slickwater, 750 g slick 15% HCl NeFe, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, flush w/ 2500 g slickwater. Drop 1.5" ball.
	Stage 2 10499'-10793'	Pump 250 g slick 15% HCl NeFe, 5000 g slickwater, 750 g slick 15% HCl NeFe, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, flush w/ 2500 g slickwater. Drop 1.75" ball.
	Stage 3 10004'-10494'	Pump 250 g slick 15% HCl NeFe, 5000 g slickwater, 750 g slick 15% HCl NeFe, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, flush w/ 2500 g slickwater. Drop 2" ball.
	Stage 4 9380'-9836'	Pump 250 g slick 15% HCl NeFe, 5000 g slickwater, 750 g slick 15% HCl, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, 4000 g Deepspot 15% HCl, 2000 g gel 15% HCl, 7600 g Deepspot 15% HCl, 4166 g gel 15% HCl, flush w/ 9383 g slickwater.

