Form 3160-4
(April 2004)

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No. **NM 100586**

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

6. If Indian, Allottee or Tribe Name **N/A**

7. Unit or CA Agreement Name and No. **N/A**

2. Name of Operator **Cimarex Energy Co.**

8. Lease Name and Well No. **Wagon Wheel "13" Federal 02**

3. Address **15 E. 5th Street, Ste 1000**

3a. Phone No. *(include area code)* **918-585-1100**

9. AFI Well No. **30-015-33483**

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

At surface **1650' FNL & 1980' FEL; Section 13-T22S-R22E**

At top prod. interval reported below **N/A**

At total depth **same**

RECEIVED
OCT 18 2004
OCD-ARTESIA

10. Field and Pool, or Exploratory ~~Exploratory~~ **INDIAN BASIN MORROW, SW**

11. Sec., T., R., M., on Block and Survey or Area **13-22S-22E**

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

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
07/02/2004	**08/09/2004**	☑ D & A ☐ Ready to Prod.	**KB 4378; GL 4360; DF 4377**

18. Total Depth: MD **9975'** TVD	19. Plug Back T.D.: MD TVD	20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Platform Express, Natural Gamma Ray

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 3/8**	**54.5**	**surface**	**1080**		**800 Class C**		**surface**	**0**
12 1/4"	**9 5/8**	**36**	**surface**	**2321**		**525 Poz C**		**surface**	**0**

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
N/A								

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) **N/A**						
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
N/A	

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

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

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

ACCEPTED FOR RECORD
(ORIG. SGD.) DAVID R. GLASS
OCT 14 2004
DAVID R. GLASS
PETROLEUM ENGINEER

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

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.)*

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
Wolfcamp	**7428'**	**7563'**	**Gas from DST (see attahced report)**	**San Andres**	**571'**
				Glorieta	**2184'**
				Yeso	**2228'**
				Bone Spring	**3355'**
				Wolfcamp	**6144'**
				Cisco	**7515'**
				Canyon	**8023'**
				Strawn	**8193'**
				Atoka	**8618'**
				Morrow	**9237'**
				Barnett	**9786'**

32. Additional remarks (include plugging procedure):

Plug #1 - 100' at 9200'-9300'
Plug #2 - 100' at 7200'-7300'
Plug #3 - 150' at 6050'-6200'
Plug #4 - 220' at 3180'-3400'
Plug #5 - 218' at 2149'-2367'
Plug #6 - 104' at 1030'-1134'
Plug #7 - 55' at 5'-60'

Schlumberger cemented all plugs wiht 100 sks Class H cement. Wait on cement three hours. Lay down 24 jts drill pipe. TIH with DC's and lay down same. Tag cement at 2149'. Lay down drill pipe to 1134' and pump 65 sacks Class "C" per BLM. Set pipe at 60' and pump cement to surface. Nipple down BOP's and jet pits. Cut off wellhead and isntall dry hole marker 4' above G.L. with well information on marker. The plugging operation was witnessed by Gene Hunt with BLM. The well site is ready for final inspection.

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

☑ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☑ DST Report ☑ Directional Survey
☑ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ 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)* **Amy Warren** Title **Drilling Technician**

Signature Amy Warren Date 10-8-04

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.