

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 30 2009

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

OCD-ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use form 3160-3 (APD) for such proposals.

## SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-100586
2. Name of Operator Cimarex Energy Co.		6. If Indian, Allottee or Tribe Name
3a. Address 5215 N. O'Connor Blvd., Ste. 1500; Irving, TX 75039	3b. Phone No. (include area code) 972-401-3111	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL 1650 FNL & 1980 FEL 13-22S-22E BHL 703 FNL & 2453 FWL		8. Well Name and No. Wagon Wheel 13 ST Federal No. 2
		9. API Well No. 30-015-33483
		10. Field and Pool, or Exploratory Area Indian Basin; Morrow, SW (Gas)
		11. County or Parish, State Eddy County, NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The Wagon Wheel 13 13 ST Federal 2 (sidetrack) was perfed in the Morrow, Strawn, and Wolfcamp, but immediately TAd with no production. There are currently CIBPs @ 9650' w/ 35' cmt, 8580' w/ 3 sx cmt, and 7480' w/ 3 sx cement inside the 5½" casing. Cimarex proposes to drill out the CIBPs and recompleate to the Barnett Shale or Canyon as shown on the attached procedure and C-102s.

- MIRU WSU. Drill out all plugs and clean out to TD. Spot 15% NeFe acid from 10000-100.'
- Perforate Barnett Shale 10018-26' and 10050-91' (3 spf, 153 holes). Swab test and evaluate. If necessary, stimulate as needed and turn to sales.
- If unproductive, set CIBP @ 9970' and dump 50' cmt on top.
- Perforate Canyon 8281-87' (3 spf, 21 holes). Acidize w/ 1500 gal 15% NeFe. Swab zone and evaluate. If productive, turn to sales.
- If unproductive, set CIBP @ 8240' w/ 50' cmt on top. Submit P&A sundry notice.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Zeno Farris

Signature

Zeno Farris

Title

Manager Operations Administration

Date

June 24, 2009

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of Approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

APPROVED

Date JUN 27 2009

WESLEY W. INGRAM  
PETROLEUM ENGINEER

Title 18 U.S.C. Section 1001, makes 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

(Instructions on reverse)



**WAGON WHEEL 13 FEDERAL No. 2**  
**PROCEDURE**  
**June 11, 2009**

**WELL DATA:**

Elevation: 4361' RKB (18' AGL)  
TD: 10215'  
Correlation Log: Schlumberger Neutron-Density dated 01/04/05  
API No.: 30-015-33483

**PROCEDURE:**

1. MI & RU WSU. Pick up and RIH w/ 2 7/8" tbg work string w/ bit and scraper. Cleanout to TD.
2. Spot 15% NEFE acid from 10000' to 10100'. POH.
3. RU WL Co. Run GR-CCL. TIH w/CCL & casing gun. Perforate the Barnett Shale:

<u>INTERVAL</u>	<u>HOLES</u>
10,018' – 26 (8')	27
10,050' – 91' (41')	126
<b>TOTAL 49'</b>	<b>153 HOLES</b>

4. TIH w/ PKR, SN and tubing. Set packer. Swab test zone and evaluate for further stimulation.
5. Stimulate zone if necessary.
6. If non-productive, POH w/ work string. TIH w/ CIBP on wireline and set at 9970' and dump 50' cement on top.
7. Run GR-CCL. TIH w/CCL & casing gun. Perforate the Canyon:

<u>INTERVAL</u>	<u>HOLES</u>
8,281' – 87' (6')	21

8. RIH w/ PKR, SN and tubing. Set packer. Acidize w/ 1500 gal 15% NEFE. Swab zone and evaluate for productivity.
9. If non-productive, POH w/ work string. TIH w/ CIBP on wireline and set at 8240' and dump 50' cement on top. Submit P&A paperwork.
10. If productive, POH w/ work string. TIH w/ production string. Put on production.

## 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

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-33483		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name Barnett Wildcat
<sup>4</sup> Property Code	<sup>5</sup> Property Name Wagon Wheel 13 (Sidetrack) Federal		<sup>6</sup> Well Number 002
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.		<sup>9</sup> Elevation 4360' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	22S	22E		1650	North	1980	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	22S	22E		703	North	2453	West	Eddy

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. NSL Pending
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature <u>Zeno Farris</u> Date <u>6/24/2009</u> Printed Name <u>Zeno Farris</u>
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
**District II**  
1301 W. Grand Avenue, Artesia, NM 88210  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-33483	<sup>2</sup> Pool Code 96870	<sup>3</sup> Pool Name Rocky Arroyo; Canyon, Southeast (Gas)
<sup>4</sup> Property Code	<sup>5</sup> Property Name Wagon Wheel 13 (Sidetrack) Federal	<sup>6</sup> Well Number 002
<sup>7</sup> OGRID No. 215099	<sup>8</sup> Operator Name CIMAREX ENERGY CO.	<sup>9</sup> Elevation 4360' GL

<sup>10</sup> Surface Location

U/L or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
G	13	22S	22E		1650	North	1980	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	13	22S	22E		726	North	2473	West	Eddy
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Zeno Farris</i> 6/24/2009 Signature Date</p> <p>Zeno Farris Printed Name</p>
	<p><sup>18</sup> <b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>_____ Date of Survey</p> <p>_____ Signature and Seal of Professional Surveyor</p> <p>_____ Certificate Number</p>

**Wagon Wheel 13 ST Federal No. 2**

**30-015-33483**

**Cimarex Energy Co.**

**June 27, 2009**

**Conditions of Approval**

- 1. Work to be completed by 12/25/2009.**
- 2. Surface disturbance is not to extend past existing pad without receiving prior approval.**
- 3. CIT (1600 psi) required on 5-1/2" casing prior to drilling out plugs.**
- 4. If Barnett Shale is unproductive – CIBP at 9970' must have 35' of cement bailed or 25 sacks pumped. If Barnett Shale is productive, perforations in Morrow, Strawn and Wolfcamp must be squeezed.**
- 5. Prior to perforating the Canyon, the Morrow and Strawn perforations must be isolated.**
  - a. Morrow perforation isolation – CIBP at 9650' with 35' of cement bailed or 25 sacks pumped.**
  - b. Strawn perforation isolation – CIBP at 8580' with 35' of cement bailed or 25 sacks pumped.**
- 6. If Canyon is unproductive – CIBP at 8240' must have 35' of cement bailed or 25 sacks pumped. If Canyon is productive, Wolfcamp perforations must be squeezed.**
- 7. If either zone is productive, a completion report for that zone is to be submitted within 30 days of completion.**

**WWI 062709**