

REFERENCE SHEET FOR  
UNDESIGNATED WELLS

	Fm	Pm	N	Pc
17-21 W	XX	XX	XX	

paragraph

1. Date: <b>1/14/2011</b>	
2. Type of Well:	
Oil: <b>XX</b>	Gas: <b></b>
3. County: <b>LEA</b>	

4. Operator:	<b>CIMAREX ENERGY CO. OF COLORADO</b>	API NUMBER:	<b>30 - 025 - 30490</b>
5. Address of Operator	<b>500 N MARIENFELD, STE 600 MIDLAND, TX 79701</b>		
6. Lease name or Unit Agreement Name	<b>LUSK WEST DELAWARE</b>		7. Well Number # - <b>15</b>
8. Well Location	Unit Letter: <b>O</b> <b>330</b> feet from the <b>S</b> line and <b>1980</b> feet from the <b>W</b> line Section <b>20</b> Township <b>19S</b> Range <b>32E</b>		

9. Completion Date:	<b>12/1/2010</b>	11. Perts	Top	Bottom	ID
			<b>2524</b>	<b>2726</b>	<b>7200</b>
10. Name of Producing Formation(s)	<b>YATES</b>	12. Open Hole Casing shoe	Bottom	PBTD	
				<b>4590</b>	

13. C-123 Filed:	Date	15. Name of Pool Requested or temporary Wildcat designation:	Pool ID num
<b>Y</b> <b>N</b> <b>XX</b>		<b>LUSK;YATES, EAST</b>	<b>41750</b>
16. Remarks:			
<b>EXTEND</b>			

TO BE COMPLETED BY DISTRICT GEOLOGIST			
17. Action taken	18. Pool Name	Pool ID num	
<b>EXTEND</b>	<b>LUSK;YATES, EAST</b>	<b>41750</b>	
<p><b>T 19 S, R 32 E</b></p> <p><b>SEC 20: SE/4</b></p>			

19. Advertised for HEARING:	20. Case Number
21. Name of pool for which was advertised:	Pool ID num
<b>LUSK;YATES, EAST</b>	<b>41750</b>
22. Placed in Pool	23. By order number
	<b>R-</b>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

JUN 18 2010

OCD-HOBBS

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  
☐ Oil Well ☐ Gas Well ☒ Other WIW ✓

2. Name of Operator  
 Cimarex Energy Co. of Colorado

3a. Address  
 600 N. Marienfeld St., Ste. 600; Midland, TX 79701

3b. Phone No. (include area code)  
 432-571-7800

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 330' FSL & 1980' FEL  
 20-19S-32E

5. Lease Serial No.  
 LC-065710-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
 Lusk West Delaware Unit

8. Well Name and No.  
 Lusk West Delaware Unit No. 015 ✓

9. API Well No.  
 30-025-30490

10. Field and Pool, or Exploratory Area  
 Lusk; Delaware, West ✓

11. County or Parish, State  
 Lea 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Plug Cherry	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Canyon and RC to Yates	
	<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 recompleat 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 recompleat 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.)

Well recompleat to Delaware (4668-4724') in 11-09. Shut in for uphole evaluation. Cimarex proposes to plug off the Delaware and recompleat to Yates as shown below and on the attached procedure and plat. Additional plugs will be addressed at final abandonment.

- POOH w/ rods and pump. NDWH and NUBOP. POOH w/ tbg. Set CIBP @ 4625' and dump-bail 35' cmt.
- Perf 7 Rivers 2706-2726 & 2686-2692 (52 holes, 2 spf). Acidize with 1500 gal 10% NeFe acid with ball diverters. If further stimulation is needed, proceed to next step. If 7 Rivers needs to be squeezed, set CICR @ 2675 and squeeze to 500 psig.
- Perf Yates 2638-2652, 2584-2606, and 2545-2569 (120 holes, 2 spf). Acidize 2638-2652 with 1500 gal 10% NeFe acid with ball diverters. Acidize 2584-2606 with 2500 gal 10% NeFe acid with ball diverters. Acidize 2545-2569 with 2500 gal 10% NeFe acid with ball diverters.
- Install tubing and rod pump and turn to production. If not productive, plugging procedure will be submitted in a separate sundry.

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

Natalie Krueger

Signature

*Natalie Krueger*

Title

Regulatory

Date

May 3, 2010

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

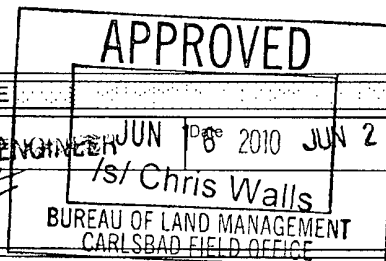
Approved by

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.

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)

PETROLEUM ENGINEER  
Office



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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 & 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

**RECEIVED**  
JUN 18 2010  
HOBBSDO

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1 API Number 30-025-30490		2 Pool Code 41750		3 Pool Name Lusk; Yates-7 Rivers, EAST	
4 Property Code 29810		5 Property Name Lusk West Delaware Unit			6 Well Number 015
7 OGRID No. 162683		8 Operator Name CIMAREX ENERGY CO. OF COLORADO			9 Elevation 3306' GR

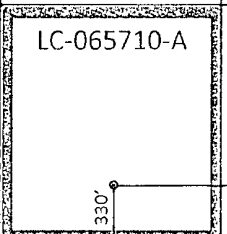
**10 Surface Location**

11 U.I. or lot no. O	12 Section 20	13 Township 19S	14 Range 32E	15 Lot Idn	16 Feet from the 330	17 North/South line South	18 Feet from the 1980	19 East/West line East	20 County Lea
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**11 Bottom Hole Location If Different From Surface**

21 U.I. or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South line	28 Feet from the	29 East/West line	30 County
31 Dedicated Acres 40		32 Joint or Infill		33 Consolidation Code		34 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.

16					<b>17 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. Signature: <i>Natalie Krueger</i> Date: 5/3/2010 Printed Name: Natalie Krueger	
					<b>18 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:	
	LC-065710-A 				Certificate Number	

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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised June 10, 2003

JAN 13 2011  
Oil Conservation Division  
1220 South St. Francis Dr.  
HOBBS NM 87505  
Santa Fe, NM 87505

Submit to Appropriate District Office  
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Cimarex Energy Co. of Colorado 500 N. Marienfeld, Ste. 600 Midland, TX 79701		<sup>2</sup> OGRID Number 162683
		<sup>3</sup> Reason for Filing Code/ Effective Date RC/11-1-10
<sup>4</sup> API Number 30 - 025-30490	<sup>5</sup> Pool Name Lusk (Delaware) West LUSK; PATES, EAST Lusk West, Delaware	
<sup>7</sup> Property Code 17817	<sup>8</sup> Property Name Lusk Deep Unit A	<sup>6</sup> Pool Code 41540 41750 <sup>9</sup> Well Number 14 15

II. <sup>10</sup> Surface Location

UL or lot no. O	Section 20	Township 19S	Range 32E	Lot Idn	Feet from the 330	North/South Line South	Feet from the 1980	East/West line East	County Lea
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<sup>11</sup> Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address Sunoco P. O. Box 5090 Sugar Land, TX 77487-5090	<sup>20</sup> POD	<sup>21</sup> O/G O	<sup>22</sup> POD ULSTR Location and Description As above

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
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V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date 10-28-10	<sup>27</sup> TD 7200'	<sup>28</sup> PBTD 4590'	<sup>29</sup> Perforations 2524' - 2726'	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		

VI. Well Test Data

<sup>35</sup> Date New Oil 12-1-10	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date 12-6-10	<sup>38</sup> Test Length 24 hrs.	<sup>39</sup> Tbg. Pressure 100	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil 11.0	<sup>43</sup> Water 24	<sup>44</sup> Gas 0	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Carolyn Larson		OIL CONSERVATION DIVISION	
Printed name: Carolyn Larson		Approved by: [Signature]	
Title: Regulatory Analyst		Title: PETROLEUM ENGINEER	
E-mail Address: clarson@cimarex.com		Approval Date: JAN 14 2011	
Date: 01-11-11		Phone: 432/620-1946	

ZA-Lusk Delaware West