

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**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.*5. Lease Serial No.  
NMNM127894

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
DIAMONDTAIL 23 FED 4H9. API Well No.  
30-025-4077010. Field and Pool, or Exploratory  
DIAMONDTAIL11. County or Parish, and State  
LEA COUNTY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ✓

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

CIMAREX ENERGY COMPANY ✓

Contact: CRISTEN BURDELL

E-Mail: cburdell@cimarex.com

3a. Address

202 S. CHEYENNE AVE STE 1000  
TULSA, OK 74103

3b. Phone No. (include area code)

Ph: 918-560-7038

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 23 T23S R32E 330FNL 1955FWL ✓

APR 18 2016

RECEIVED

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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
	<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, including 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.)

H2S gas analysis for facility as requested

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #273987 verified by the BLM Well Information System  
For CIMAREX ENERGY COMPANY, sent to the Hobbs  
Committed to AFMSS for processing by LINDA JIMENEZ on 05/04/2015 ()**

Name (Printed/Typed) CRISTEN BURDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/27/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

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.

Office

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

MAY 06 2016



# LABORATORY SERVICES

Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy  
Attention: Kyle Blevins  
600 N. Marienfeld, Suite 600  
Midland, Texas 79701

Sample: Pre Glycol Raw Gas  
Identification: Diamondtail 23 Fed. 4H MR  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 10/23/2013 1:45 PM  
Analysis Date 10/24/2013  
Pressure-PSIA 560  
Sample Temp F 102  
Atmos Temp F 78

Sampled by: Logan McIlroy  
Analysis by: Vicki McDaniel

H2S = 0

## Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.000	
Nitrogen	N2	2.231	
Carbon Dioxide	CO2	9.097	
Methane	C1	72.504	
Ethane	C2	9.576	2.554
Propane	C3	4.400	1.209
I-Butane	IC4	0.452	0.148
N-Butane	NC4	0.969	0.305
I-Pentane	IC5	0.220	0.080
N-Pentane	NC5	0.215	0.078
Hexanes Plus	C6+	0.336	0.145
		100.000	4.519

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1093.8	Calculated	0.7780
At 14.65 WET	1074.7		
At 14.696 DRY	1097.2		
At 14.696 WET	1078.5	Molecular Weight	22.5325
At 14.73 DRY	1099.7		
At 14.73 Wet	1080.7		





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Natural Gas Analysis

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575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy  
Attention: Kyle Blevins  
600 N. Marienfeld, Suite 600  
Midland, Texas 79701

Sample: Post Glycol Unit  
Identification: Diamondtail 23 Fed. 4H Inlet  
Company: Cimarex Energy  
Lease:  
Plant:

Sample Data: Date Sampled 10/23/2013 1:55 PM  
Analysis Date 10/24/2013  
Pressure-PSIA  
Sample Temp F  
Atmos Temp F 78

Sampled by: Logan McIlroy  
Analysis by: Vicki McDaniel

H2S = 0

#### Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S	0.000	
Nitrogen	N2	2.011	
Carbon Dioxide	CO2	7.309	
Methane	C1	74.919	
Ethane	C2	9.712	2.591
Propane	C3	4.291	1.179
I-Butane	IC4	0.436	0.142
N-Butane	NC4	0.835	0.263
I-Pentane	IC5	0.171	0.062
N-Pentane	NC5	0.158	0.057
Hexanes Plus	C6+	0.158	0.068
		100.000	4.363

REAL BTU/CU.FT.		Specific Gravity	
At 14.65 DRY	1099.4	Calculated	0.7504
At 14.65 WET	1080.2		
At 14.696 DRY	1102.8		
At 14.696 WET	1084.0	Molecular Weight	21.7347
At 14.73 DRY	1105.4		
At 14.73 Wet	1086.3		