

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
DIAMONDTAIL 23 FED 4H

9. API Well No.
30-025-40770

10. Field and Pool, or Exploratory
DIAMONDTAIL

11. County or Parish, and State
LEA COUNTY COUNTY, NM

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
HOBBS OCD

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 recomplete 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 recompletion 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

Accepted For Record **THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By *James G. Amos* Title *SAPT* Date *4-10-16*

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 *CFD*

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

Handwritten initials



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			Sampled by: Logan McIlroy
	Sample Temp F			Analysis by: Vicki McDaniel
	Atmos Temp F	78		

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		