

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marienfeld Street, Suite 600 Midland, TX 79701		² OGRID Number 162683	
		³ Reason for Filing Code/ Effective Date NW - 1/13/2014	
⁴ API Number 30 - 015-37382	⁵ Pool Name Black River ; Delaware, South Cottonwood Draw, B.S.		⁶ Pool Code 96451 97494
⁷ Property Code 37906	⁸ Property Name Marquardt I Federal		⁹ Well Number 13

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II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	1	25S	26E		150	SOUTH	1650	EAST	EDDY

¹¹ 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
B	1	25S	26E		338	NORTH	1842	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 1/18/2014	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
21778	Sunoco Inc. R & M P O Box 2039; Tulsa OK	
226737	DCP Midstream. 370 17th St., Ste 2500 Denver CO	

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IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
11/3/13	1/13/2014	11,794'	11,780'	7137' - 11,765'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	460'	500		
12 1/4"	9 5/8"	1,970'	580		
8 1/2"	5 1/2"	11,794'	1985 TOC 0		
	2 3/8"	6,551'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
1/16/2014	1/18/2014	01/29/2014	24 hours	570	15
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
35/64	1298	696	2182		

⁴² 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: <i>Aricka Easterling</i>	OIL CONSERVATION DIVISION Approved by: <i>RR Dade</i> Title: <i>DIST. SUPERVISOR</i> Approval Date: <i>4/30/2014</i>
Printed name: Aricka Easterling Title: Regulatory Analyst E-mail Address: aeasterling@cimarex.com	Pending BLM approvals will subsequently be reviewed and scanned <i>3160-4</i> <i>3160-5</i>
Date: 4/11/14 Phone: 918-560-7060	

Confidential Status expired 4-13-14

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM14124

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 _____
 7. Unit or CA Agreement Name and No. _____

2. Name of Operator **CIMAREX ENERGY COMPANY** Contact: **ARICKA EASTERLING**
 E-Mail: **aeasterling@cimarex.com**

8. Lease Name and Well No.
MARQUARDT 1 FEDERAL 13

3. Address **202 S. CHEYENNE, SUITE 1000** 3a. Phone No. (include area code)
TULSA, OK 74103 Ph: **918-560-7060**

9. API Well No. **30-015-37382**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SWSE 150FSL 1650FEL**
 At top prod interval reported below **SWSE 150FSL 1650FEL**
 At total depth **NWNE 338FNL 1842FEL**

10. Field and Pool, or Exploratory
BLACK RIVER; DELAWARE, SO
 11. Sec., T., R., M. or Block and Survey
 or Area **Sec 1 T25S R26E Mer**
 12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **11/03/2013** 15. Date T.D. Reached **11/16/2013** 16. Date Completed
 D & A Ready to Prod.
01/13/2014

17. Elevations (DF, KB, RT, GL)*
3272 GL

18. Total Depth: MD **11794** 19. Plug Back T.D.: MD **11780** 20. Depth Bridge Plug Set: MD
 TVD **7120** TVD **7120** TVD **7120**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DSN & DLL

22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	460		500		0	122
12.250	9.625 J55	40.0	0	1970		580		0	164
8.500	5.500 P110	17.0	0	11794		1985		0	190

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	6551	6551						

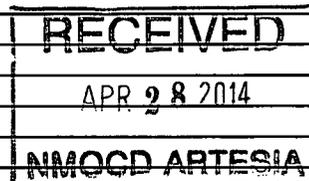
25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7137	11765	7137 TO 11765	0.540	432	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7137 TO 11765	FRAC WITH 1,916,338- GAL TOTAL FLUID & 3,008,431 # SAND.



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
01/16/2014	01/29/2014	24	→	1298.0	2182.0	696.0	44.3		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
35/64	SI	570	→	1298	2182	696	1681	PGW	

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

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #243158 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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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	8. Well Name and No. MARQUARDT, 1 FEDERAL 13
2. Name of Operator CIMAREX ENERGY CO Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com	9. API Well No. 30-015-37382
3a. Address CIMAREX ENERGY 202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103	10. Field and Pool, or Exploratory BALCK RIVER; DELAWARE SOU
3b. Phone No. (include area code) Ph: 918-585-1100 Fx: 918-749-8059	11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T25S R26E SWSE 150FSL 1650FEL	

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 Drilling Operations
	<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.)

Completion:

1/1/14 Test Casing to 9000# for 30 min, Test good. TOC @ 0'.
1/2/14 thru 1/8/14 Perf Bone Spring @ 7137-11765, 432 holes. Frac w/ 1,916,338 gal of total fluid & 3,008,431 # Sand.
1/9/14 thru 1/10/14 Mill out plugs, wash to PBSD @ 11780. Flow Well.
1/13/14 RIH w/ 2 3/8" tubing & packer set @ 6551'. GLV @ 1883, 2997, 3653, 4146, 4671, 5162, 5657, 6085, 6510. Turn well to production.

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14. I hereby certify that the foregoing is true and correct.
Electronic Submission #241673 verified by the BLM Well Information System For CIMAREX ENERGY CO, sent to the Carlsbad

Name (Printed/Typed) ARICKA EASTERLING	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/09/2014

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 ****