

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 St., Ste. 600 Midland, TX 79701		² OGRID Number 162683
		³ Reason for Filing Code/ Effective Date NW 12/2/14
⁴ API Number 30 -015-41849	⁵ Pool Name Cottonwood Draw; Bone Spring	
⁶ Pool Code 97494		
⁷ Property Code 37374	⁸ Property Name Marquardt Federal	⁹ Well Number 11H

II. ¹⁰ Surface Location

UL or lot no. C	Section 13	Township 25S	Range 26E	Lot Idn	Feet from the 330	North/South Line North	Feet from the 1750	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. C	Section 12	Township 25S	Range 26E	Lot Idn	Feet from the 333	North/South line North	Feet from the 2128	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 12/5/14	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 Mistream 370 17th St, Ste 2500; Denver CO	
NM OIL CONSERVATION ARTESIA DISTRICT MAR 17 2015 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 9/10/14	²² Ready Date 12/2/14	²³ TD 12347 7125	²⁴ PBDT 12334	²⁵ Perforations 7782-12318	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2	13 3/8	425	500		
12 1/4	9 5/8	1886	870		
8 3/4 & 8 1/2	5 1/2	12347	2490 – TOC 1550'		
	2-3/8	6548			

V. Well Test Data

³¹ Date New Oil 12/5/14	³² Gas Delivery Date 12/5/15 14	³³ Test Date 12/11/14	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 700	³⁶ Csg. Pressure 550
³⁷ Choke Size 30/64	³⁸ Oil 746	³⁹ Water 1213	⁴⁰ Gas 1228	⁴¹ Test Method	
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: Aricka Easterling			OIL CONSERVATION DIVISION		
Printed name: Aricka Easterling			Approved by: [Signature]		
Title: Regulatory			Title: [Signature]		
E-mail Address: aeasterling@cimarex.com			Approval Date: 4/8/15		
Date: 2-5-15		Phone: 918-560-7060	Pending BLM approvals will subsequently be reviewed and scanned		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM14124
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7060	8. Well Name and No. MARQUARDT FEDERAL 11H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T25S R26E SESW 360FSL 1750FWL		9. API Well No. 30-015-41849
		10. Field and Pool, or Exploratory BONE SPRING
		11. County or Parish, and 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 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	Drilling Operations
	<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 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.)

Drilling

09-10-14 Spud well. TD 17-1/2 surface hole @ 425.

09-11-14 RIH w/ 13-3/8, 48#, J55, STC csg & set @ 425. Mix & pump 500 Sx Halcem C, 14.8 ppg, 1.36 yld. Circ 208 sx to surface. WOC 12+ hrs.

09-13-14 Test csg to 1500# for 30 mins. OK.

09-14-14 TD 12-1/4 hole @ 1886.

09-15-14 RIH w/ 9-5/8, 36#, J55, LTC csg & set @ 1886. Mix & pump lead: 735 sx Class C, 12.9 ppg, 1.85 yld; tail w/ 135 sx Class C, 14.8 ppg, 1.36 yld. Circ 212 sx to surface. WOC 8 hrs.

09-16-14 Test csg to 1500# for 30 mins. OK.

09-20-14 Drill to 6383. Circ. Waiting on road to open to resume ops.

09-24-14 Evacuate location. Notified BLM. Secure rig as approved by BLM. Move all to safety.

10-03-14 Back on location. Circ bottoms up.

NM OIL CONSERVATION
ARTESIA DISTRICT**MAR 17 2015****RECEIVED**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #295064 verified by the BLM Well Information System For CIMAREX ENERGY COMPANY, sent to the Carlsbad			
Name (Printed/Typed) ARICKA EASTERLING		Title REGULATORY ANALYST	
Signature (Electronic Submission)		Date 03/16/2015	
THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE			
Approved By _____		Title _____	
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 _____	

**Pending BLM approvals will
subsequently be reviewed
and scanned**

Date

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 ****

Additional data for EC transaction #295064 that would not fit on the form

32. Additional remarks, continued

10-10-14 TD 8-3/4 hole @ 10629. TOH w/ curve assembly. TIH w/ 8-1/2 lateral assembly, drilling lateral.

10-12-14 TD 8-1/2 hole @ 12347. LDDP.

10-14-14 RIH w/ 5-1/2, 17#, L80, LTC/BTC csg & set @ 12347. Mix & pump lead: 1000 sx Class H, 10.8 ppg, 2.783 yld; tail w/ 1490 sx VersaCem H, 14.5 ppg, 1.24 yld. Circ 30 sx to surface. Lost returns. WOC 8 + hrs.

10-15-14 Run temp survey ? TOC @ 1550. BLM J. Mason approved TOC. Release rig.

Completion

11-13-14 Test csg to 7500# for 30 mins. OK. SI pending frac.

11-24-14 to

11-25-14 Perf Bone Spring @ 7782-12318, .54, 360 holes. Frac w/ 3527229 gals fluid; 5012467# sand.

11-27-14 to

11-28-14 Mill out plugs and CO to PBTD @ 12334. Flowback well.

12-02-14 RIH w/ 2-3/8 tbg, pkr & gas lift valves & set @ 6548. GLV @ 1741, 3239, 4506, 5450, 6005, 6494. Turn well to production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNNM14124

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator CIMAREX ENERGY COMPANY			Contact: ARICKA EASTERLING E-Mail: aeasterling@cimarex.com		
3. Address 202 S. CHEYENNE, SUITE 1000 TULSA, OK 74103			3a. Phone No. (include area code) Ph: 918-560-7060		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 13 T25S R26E Mer NENW 360FNL 1750FWL At top prod interval reported below Sec 13 T25S R26E Mer NENW 360FNL 1750FWL At total depth Sec 12 T25S R26E Mer NENW 333FNL 2128FWL			8. Lease Name and Well No. MARQUARDT FEDERAL 11H		
14. Date Spudded 09/10/2014			15. Date T.D. Reached 10/12/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/02/2014			9. API Well No. 30-015-41849		
18. Total Depth: MD 12347 TVD 7175			19. Plug Back T.D.: MD 12334 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory COTTONWOOD DRAW; BS		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DSN & DLL			11. Sec., T., R., M., or Block and Survey or Area Sec 13 T25S R26E Mer		
12. County or Parish EDDY			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3276 GL			12. County or Parish EDDY		

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0	0	425		500		0	208
12.250	9.625 J55	36.0	0	1886		870		0	212
8.500	5.500 L80	17.0	0	12347		2490		1550	0

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	6548	6548							
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) BONE SPRING	7782	12318	7782 TO 12318	0.540	360	OPEN			
B)									
C)									
D)									

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval			Amount and Type of Material						
7782 TO 12318			FRAC WITH 3,527,229 GAL TOTAL FLUID & 5,012,467 # SAND.						
			NM OIL CONSERVATION						
			ARTESIA DISTRICT						
			MAR 23 2015						

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
12/02/2014	12/11/2014	24	→	746.0	1228.0	1213.0	45.5		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	SI	550.0	→	746	1228	1213	1646	POW	
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		→						

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #295066 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

28b. Production - Interval C									
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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D									
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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):
 Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
BELL CANYON	1988	2821	WATER	SALADO	1183
CHERRY CANYON	3035	3690	WATER	CASTILLE	1732
BONE SPRING	5532	6143	WATER & GAS	BELL CANYON	1932
BONE SPRING	6947	7205	WATER, GAS, OIL	CHERRY CANYON	2957
				BRUSHY CANYON	4017
				BONE SPRING	5413

32. Additional remarks (include plugging procedure):
 Logs were sent to Carlsbad Office via Fed Ex.

33. Circle enclosed attachments:
- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #295066 Verified by the BLM Well Information System.
 For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (please print) ARICKA EASTERLING Title REGULATORY ANALYST

Signature (Electronic Submission) Date 03/16/2015

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