

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 Suite 600 Midland TX 79701		² OGRID Number 182683
		³ Reason for Filing Code/ Effective Date RC/ 4-20-2017
⁴ API Number 30 - 015-33394	⁵ Pool Name Purple Sage, Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 303008	⁸ Property Name White City 31 Federal	⁹ Well Number 2

II. ¹⁰ Surface Location

U/ or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	31	24S	26E		2150'	South	1700'	West	Eddy

¹¹ Bottom Hole Location

U/ or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	31	24S	26E		2591'	South	1490'	West	Eddy

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	4/20/2017			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
151618	Enterprise Field Services, LLC PO BOX 4503 Houston TX 77210	G
21778	Sunoco Inc R&M PO BOX 2039 Tulsa OK	O

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
12/23/2004	4/20/2017	12150'	10334'	8458'-9839'	DHC 4808 - A
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 1/2"		13 3/8" J55 54.5#		208'	348 sks
12 1/4"		9 5/8" NS110 40#		1685'	800 sks
8 3/4"		5 1/2" P110 17#		12150'	2645 sks, TOC 490'
		2 7/8"		10331'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
4/27/2017	4/20/2017	5/1/2017	24 hours	1950	
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
24	73	1219	1611		

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>Armithy Crawford</i> Printed name: Armithy Crawford Title: Regulatory Analyst E-mail Address: acrawford@cimarex.com Date: 7/20/2017 Phone: 432-620-1909	OIL CONSERVATION DIVISION
	Approved by: <i>[Signature]</i>
	Title: <i>Staff</i>
	Approval Date: <i>7-25-2017</i>
	Pending BLM approvals will subsequently be reviewed and scanned

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AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Co. of Colorado 600 N. Marlenfeld Suite 600 Midland TX 79701		NM OIL CONSERVATION ARTESIA DISTRICT		² OGRID Number 09843	³ Reason for Filing Code/ Effective Date RC/ 4-20-2017
⁴ API Number 30 - 015-33394	⁵ Pool Name White City, Penn (Gas)		JUL 24 2017		⁶ Pool Code 87280
⁷ Property Code 303008	⁸ Property Name White City 31 Federal		⁹ Well Number 2		

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
K	31	24S	26E		2150'	South	1700'	West	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
K	31	24S	26E		2591'	South	1490'	West	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/16/2017	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
151618	Enterprise Field Services, LLC PO BOX 4503 Houston TX 77210	G
21778	Sunoco Inc R&M PO BOX 2039 Tulsa OK	O

IV. Well Completion Data

²¹ Spud Date 12/23/2004	²² Ready Date 4/20/2017	²³ TD 12150'	²⁴ PBD 10334'	²⁵ Perforations 10184'-9967'	²⁶ DHC, MC DHC-4808 - A
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8" J55 54.5#	208'	348 sks		
12 1/4"	9 5/8" NS110 40#	1685'	800 sks		
8 3/4"	5 1/2" P110 17#	12150'	2645 sks, TOC 490'		
	2 7/8"	8360'			

V. Well Test Data

³¹ Date New Oil 4/27/2017	³² Gas Delivery Date 4/20/2017	³³ Test Date 5/1/2017	³⁴ Test Length 24 hours	³⁵ Tbg. Pressure 1950	³⁶ Csg. Pressure 0
³⁷ Choke Size 24	³⁸ Oil 8	³⁹ Water 134	⁴⁰ Gas 177	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: <i>Amithy Crawford</i>	OIL CONSERVATION DIVISION
Printed name: Amithy Crawford	Approved by:
Title: Regulatory Analyst	Title:
E-mail Address: acrawford@cimarex.com	Approval Date:
Date: 7/20/2017	Phone: 432-620-1909

Pending BLM approvals will subsequently be reviewed and scanned

SC 7-26-17

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.
NMNM0441951A

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 CO** Contact: **AMITHY E CRAWFORD**
 E-Mail: **acrawford@cimarex.com**

8. Lease Name and Well No.
WHITE CITY 31 FEDERAL 2

3. Address **202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103** 3a. Phone No. (include area code)
 Ph: **432-620-1909**

9. API Well No.
30-015-33394

4. Location of Well (Report location clearly and in accordance with Federal Acquisition Regulation)
NM OIL CONSERVATION ARTESIA DISTRICT
 At surface **2150FSL 1700FWL**
 At top prod interval reported below **2150FSL 1700FWL**
 At total depth **2591FSL 1490FWL**
JUL 24 2017

10. Field and Pool, or Exploratory
WHITE CITY; PENN

11. Sec., T., R., M., or Block and Survey or Area
Sec 31 T24S R26E Mer

12. County or Parish
EDDY 13. State
NM

14. Date Spudded **12/23/2004** 15. Date T.D. Reached **01/25/2005** 16. Date Completed
 Not Ready to Prod. Ready to Prod.
04/20/2017

17. Elevations (DF, KB, RT, GL)*
3493 GL

18. Total Depth: MD **12150** TVD **12079** 19. Plug Back T.D.: MD **10334** TVD **10369** 20. Depth Bridge Plug Set: MD **10369** TVD **10369**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
PRODUCTION LOG 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	54.5	0	205		348		0	
12.250	9.625 NS110	40.0	0	1685		800		0	
8.750	5.500 P100	17.0	0	12150		2645		490	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8360	8360						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	8458	9939	8458 TO 9939	0.420	244	OPEN
B) CISCO CANYON	9967	10184	9967 TO 10181	0.420	61	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
8458 TO 9939	2632412 GAL SLICKWATER & 3454617 LBS PROP
9967 TO 10181	827576 GAL SLICKWATER & 1000294 LBS PROP

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
04/20/2017	05/01/2017	24	→	73.0	1611.0	1219.0			GAS LIFT
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	1950 SI		→	73	1611	1219		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
04/20/2017	05/01/2017	24	→	8.0	177.0	134.0			GAS LIFT
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24	1950 SI		→	8	177	134		PGW	

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

ELECTRONIC SUBMISSION #382279 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will subsequently be reviewed and scanned

7-26-17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 24 2017

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

RECEIVED

5. Lease Serial No.
NMNM0441951A

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
WHITE CITY 31 FEDERAL 2

2. Name of Operator
CIMAREX ENERGY CO. Contact: AMITHY CRAWFORD
E-Mail: acrawford@cimarex.com

9. API Well No.
30-015-33394

3a. Address
202 S. CHEYENNE AVE STE 1000
TULSA, OK 74103

3b. Phone No. (include area code)
Ph: 432.620.1909

10. Field and Pool or Exploratory Area
CISCO CANYON, WOLFCAMP

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

Sec 31 T24S R26E 2150FSL 1520FWL

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE 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"/> Hydraulic Fracturing	<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 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 checked="" 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

White City 31 Federal #2 - Cisco Canyon/Wolfcamp Recompletion
Plugback/Recompletion Ops
DHC # 4808

3/3/2017- RIH with CIBP and set at 10369'. With 35' on top.

3/4/2017- Pressure test casing to 8500. Good Test.

4/6-9/2017-Perforate Cisco Canyon from 10184'-9967'. 61 holes. .42. Frac with 827576 gal slickwater and 1000294 lbs total prop.

4/9-11/2017- Perforate Wolfcamp from 8458'-9939'. 244 holes. .42. Frac with 2632412 gal slickwater

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

**Electronic Submission #382271 verified by the BLM Well Information System
For CIMAREX ENERGY CO., sent to the Carlsbad**

Name (Printed/Typed) AMITHY CRAWFORD

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/24/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title Pending BLM approvals will
subsequently be reviewed
and scanned

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction of agency of the United States

(Instructions on page 2)

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



Post RC Ciscamp WBD
KB - 23' above GL

Cimarex Energy Co. of Colorado

White City 31 Federal #2

SHL - 2150' FSL & 1700' FWL

corr BHL - 1709' FSL & 1490' FWL

Sec. 31, T-24-S, R-26-E, Eddy Co., NM

M. Karner

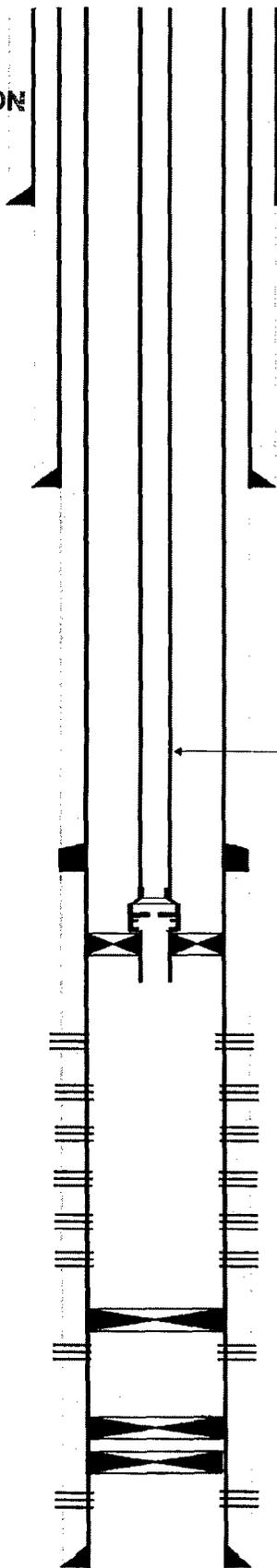
4/11/2017

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 24 2017

RECEIVED



13-3/8", 54.5# J-55 csg @ 200'
cmtd w/ 250 sx, cmt circ

TOC @ 490' by TS

9-5/8", 40# NS-110HC csg @ 1685'
cmtd w/ 600 sx, cmt circ

2-7/8" 6.5# L-80 Tbg

DV Tool @ 7133'
cmtd w/ 1410 sx

On-off Tool w/ 1.875" Profile nipple @ 8,352'
AS-1X pkr @ 8,361'
2.31" XN Profile Nipple w/ 2.21" no-go @ 8,372'
End of tbg 8,373'
Wolfcamp Perfs (8,458' - 9,649')

Wolfcamp Perfs (9,058' - 9,275')

Wolfcamp Perfs (9,301' - 9,541')

Wolfcamp Perfs (9,691' - 9,939')

Cisco Canyon Perfs (9,967' - 10,184')

CIBP at 10,369' with 35' of cement bailed on top
Strawn perfs 10,374' - 10,450'

CIBP set at +/- 11350' with 35' cement on top
CIBP set at +/- 11,397'
Morrow perfs (11447' - 11936')

PBTD @ 11934 on 8/22/06.

5-1/2" 17# P-110 & N-80 @ 12150' cmtd w/ 1160 sx, cmt circ
TD @ 12150'