

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 600 N. Marienfeld Street, Suite 600 Midland, TX 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW- 2/8/17
⁴ API Number 30 - 015 - 43715	⁵ Pool Name Cottonwood Draw Bone Spring ✓	⁶ Pool Code 97494 ✓
⁷ Property Code 316109	⁸ Property Name Grynberg 11 Federal Com	⁹ Well Number 5H

II. ¹⁰ Surface Location

UL or lot no. P	Section 11	Township 25S	Range 26E	Lot Idn	Feet from the 330'	North/South Line South	Feet from the 331'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. A	Section 11	Township 25S	Range 26E	Lot Idn	Feet from the 342'	North/South line North	Feet from the 667'	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2-8-2017	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
33479	Holly Frontier Refining & Marketing LLC	
36785	DCP Midstream. 370 17th St., Ste 2500 Denver CO	
	NM OIL CONSERVATION ARTESIA DISTRICT MAR 17 2017 RECEIVED	

IV. Well Completion Data

²¹ Spud Date 11/13/2016	²² Ready Date 2-2-2017	²³ TD 11719 / 7215	²⁴ PBTD	²⁵ Perforations 7398-11696	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8'	²⁹ Depth Set 207'	³⁰ Sacks Cement 240 Circ		
12 1/4"	9 5/8"	1892'	815 Circ		
8 3/4"/8 1/2"	5 1/2"	11719'	2255 Circ		
	2 3/8"	6645'			

V. Well Test Data

³¹ Date New Oil 2-8-2017	³² Gas Delivery Date 2-8-2017	³³ Test Date 2-11-2017	³⁴ Test Length 24	³⁵ Tbg. Pressure 580	³⁶ Csg. Pressure 0
³⁷ Choke Size 35	³⁸ Oil 342	³⁹ Water 1431	⁴⁰ Gas 615	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:

Hope Knauls

Printed name:

Hope Knauls

Title:

Regulatory

E-mail Address:

Hknauls@cimarex.com

Date:

3/14/2017

Phone:

918-295-1799

OIL CONSERVATION DIVISION

Approved by:

Raymond W. Padang

Title:

Geologist

Approval Date:

3-21-2017

Pending BLM approvals will
subsequently be reviewed
and scanned

Provide Gas Capture Plan

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-5
(June 2015)

UNITED STATES **MAR 17 2017**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
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 page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM14468
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 AVE, SUITE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918-560-7060	8. Well Name and No. GRYNBERG 11 FEDERAL COM 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T25S R26E SESE 330FSL 331FEL		9. API Well No. 30-015-43715
		10. Field and Pool or Exploratory Area COTTONWOOD DRAW: BONE SPR
		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 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 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 must 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 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.

Drilling operations:

11/13/16 Spud well. TD 17-1/2? hole @ 207. RIH w/ 13-3/8 48# J55 STC casing & set @ 207. Mix & pump 240 sx class C, 14.8 ppg, 1.34 yld, circ 29 bbls cmt to surface. WOC 8+ hrs.
11/14/16 Test Csg to 1500 psi for 30 min. OK
11/16/16 TD 12-1/4 hole @ 1892. RIH w/ 9-5/8 36# J55 LTC csg & set @ 1892. Mix & pump lead 520 sx Class C 13.5 ppg, 1.81 yld; tail 295 sx class C 14.8 ppg, 1.33 yld, circ 251 sx to surface.
11/17/16 Woc 8+ hrs. . Test Csg to 1500 psi for 30 min. OK
11/19/16 TD 8-3/4 Vertical hole @ 6638. TIH w/ curve assembly
11/21/16 TD 8-3/4 curve @ 7663. TOH w/ curve assembly. TIH w/ 8-1/2 lateral assembly. KO lateral.
11/23/16 TD 8-1/2 hole @ 11719. POOH & LDDP.
11/24/16 RIH w/ 5-1/2 17# L-80 BTC/LTC csg & set @ 11719

Accepted for record - NMOCD

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

**Electronic Submission #363434 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 01/10/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person know States any false, fictitious or fraudulent statements or representations as to any matter within its jur

(Instructions on page 2)

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

Pending BLM approvals will subsequently be reviewed and scanned

**** OPERATOR-SUBMITTED ****

Additional data for EC transaction #363434 that would not fit on the form

32. Additional remarks, continued

11/25/16 Mix & pump lead 860 sx Class C 11 ppg, 2.8 yld; Tail 1395 sx class H, 14.5 ppg, 1.2 yld.
Circ 265 sx to surface. RD & Rig release.

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 17 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM14468
2. Name of Operator CIMAREX ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
Contact: TERRI STATHEM E-Mail: tstatthem@cimarex.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 202 S. CHEYENNE AVE, STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 432-620-1936	8. Well Name and No. GRYNBERG 11 FEDERAL COM 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T25S R26E SESE 330FSL 331FEL		9. API Well No. 30-015-43715
		10. Field and Pool or Exploratory Area COTTONWOOD DRAW BS
		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 checked="" 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 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 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 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 must 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 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.

12/31/16 Test csg to 7500# for 30 mins & chart. OK.
01/06/17 to
01/18/17 Perf Bone Spring @ 7398- 11696'. Frac Bone Spring w/ 129415 bbls total fluid & 8987826# sand.
01/19/17 SI pending drillout.
01/25/17 to
01/26/17 DO plugs & CO to PBTD @ 11716'.
01/27/17 Flowback well
01/28/17 SI pending tbq installation.
01/30/17 RIH w/ 2-3/8 tbq & GLV & set @ 6645'.
01/31/17 Turn well to production.

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

**Electronic Submission #369862 verified by the BLM Well Information System
For CIMAREX ENERGY COMPANY, sent to the Carlsbad**

Name (Printed/Typed) TERRI STATHEM	Title MANAGER REGULATORY COMPLIANCE
Signature (Electronic Submission)	Date 03/14/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 _____

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.

(Instructions on page 2)

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

Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 17 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM14468

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: HOPE KNAULS
E-Mail: hknaults@cimarex.com

8. Lease Name and Well No.
GRYNBERG 11 FED COM 5H

3. Address 202 S. CHEYENNE AVE.
TULSA, OK 74103

3a. Phone No. (include area code)
Ph: 918-585-1100

9. API Well No.
30-015-43715

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 330FSL 331FEL

At top prod interval reported below 330FSL 331FEL

At total depth 342FNL 667FEL

10. Field and Pool, or Exploratory
COTTON DRAW, BONESPRING O

11. Sec., T., R., M., or Block and Survey
or Area Sec 11 T25S R26E Mer

12. County or Parish
EDDY 13. State
NM

14. Date Spudded
11/13/2016

15. Date T.D. Reached
11/23/2016

16. Date Completed
☐ D & A ☒ Ready to Prod.
01/31/2017

17. Elevations (DF, KB, RT, GL)*
3286 GL

18. Total Depth: MD 11719
TVD 7098

19. Plug Back T.D.: MD 11696
TVD 7098

20. Depth Bridge Plug Set: MD
TVD

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

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 J-55	48.0		207		240		0	29
12.250	9.625 J55	36.0		1892		815		0	251
8.500	5.500 L80	17.0		11719		2255			265

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	6645							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONESPRING	7398	11696	7398 TO 11696	0.430	600	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7398 TO 11696	PLEASE SEE FRAC FOCUS

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
02/08/2017	02/02/2017	24	→	342.0	615.0	1431.0	40.0		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
35	SI	0.0	→	342	615	1431	1798	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		→						

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

ELECTRONIC SUBMISSION #369933 VERIFIED BY THE BLM WELL INFORMATION SYS

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

Pending BLM approvals will
subsequently be reviewed
and scanned

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.)
CAPTURED

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	CHERRY CANYON	1932
BONE SPRING	6947	7205	WATER, OIL, GAS	BRUSHY CANYON	4017
				BONE SPRING	5413

32. Additional remarks (include plugging procedure):

Cimarex Energy would like to request all completion paperwork and logs confidential.

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 #369933 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Carlsbad

Name (please print) HOPE KNAULS

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 03/15/2017

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.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **