

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM17574

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 CIMAIREX ENERGY COMPANY OF OK Contact: HOPE KNAULS
3a. Phone No. (include area code) Ph: 918.585.1100
3. Address 202 S CHEYENNE AVE SUITE 1000 TULSA, OK 74103.4346 Email: kknaults@cimarex.com

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

9. API Well No.
30-015-43715-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SESE 330FSL 331FEL
At top prod interval reported below SESE 330FSL 331FEL
At total depth NENE 342FNL 667FEL

10. Field and Pool, or Exploratory
COTTONWOOD DRAW-BONE SPRING

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

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. 02/08/2017

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

18. Total Depth: MD 11719 TVD 7221 19. Plug Back T.D.: MD 11696 TVD 7221 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	48.0	0	207		240	57	0	
12.250	9.625 J-55	36.0	0	1892		815	238	0	
8.500	5.500 L-80	17.0	0	11719		2255	727	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	6645							

25. Producing Intervals

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

26. Perforation Record

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

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

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 29 2017

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	580 SI	0.0	→	342	615	1431	1798	POW	

RECEIVED

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		→						

ACCEPTED FOR RECORD

(ORIG. SGN) DAVID R. GLASS

AUG 11 2017

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

ELECTRONIC SUBMISSION #372191 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

DAVID R. GLASS

DEPT. OF THE INTERIOR

RECLAMATION DUE:
AUG 08 2017

Handwritten signature

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	CASTILE	1732
BONE SPRING	7398	11696	OIL/GAS/WATER	CHERRY CANYON	1932
				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 #372191 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 04/06/2017 (17DW0048SE)**

Name (please print) HOPE KNAULS Title REGULATORY TECHNICIAN

Signature _____ (Electronic Submission) Date 04/05/2017

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.