

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMMN28172	
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator CIMAREX ENERGY COMPANY OF OK		7. Unit or CA Agreement Name and No.	
Contact: AMITHY E CRAWFORD Email: acrawford@cimarex.com		8. Lease Name and Well No. ADRIANNE 6 FEDERAL 1	
3. Address 202 S CHEYENNE AVE SUITE 1000 TULSA, OK 74103.4346		9. API Well No. 30-015-34319-00-C2	
3a. Phone No. (include area code) Ph: 432-620-1909		10. Field and Pool, or Exploratory WHITE CITY-PENN (GAS)	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot 3 200FNL 1700FWL At top prod interval reported below Lot 3 200FNL 1700FWL At total depth NWNW 763FNL 863FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 6 T25S R26E Mer NMP	
14. Date Spudded 01/02/2006		15. Date T.D. Reached 02/04/2006	
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/29/2016		17. Elevations (DF, KB, RT, GL)* 3454 GL	
18. Total Depth: MD 12250 TVD 12186		19. Plug Back T.D.: MD 10587 TVD 10538	
20. Depth Bridge Plug Set: MD 10815 TVD 10766		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) PRODUCTIONLOG	
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 H-40	48.0	0	215		Prem.+ 260		0	
12.250	9.625 J-55	40.0	0	1915		Prem.+ 735		0	
8.750	5.500 P-110	17.0	0	12250	7290	2040		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	8399	8399						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	8446	9896	8446 TO 9896	0.380	156	OPEN
B) CISCO-CANYON	9952	10304	9952 TO 10304	0.380	71	OPEN
C)			11676 TO 11955		180	ABANDONED
D)						

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

Depth Interval	Amount and Type of Material
8446 TO 9896	8000 GAL 15% HCL, 1543037 GAL SLICKWATER, 1983621 # SAND
9952 TO 10304	4000 GAL 15% HCL, 848243 GAL SLICKWATER, 993821# 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
12/29/2016	01/17/2017	24	→	60.0	828.0	743.0			
Choke Size	Tbg. Press. Flwg. 840 SI	Csg. Press. 0.0	24 Hr. Rate →	Oil BBL 60	Gas MCF 828	Water BBL 743	Gas:Oil Ratio	Well Status 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
12/29/2016	01/17/2017	24	→	31.0	434.0	390.0			
Choke Size	Tbg. Press. Flwg. 840 SI	Csg. Press. 0.0	24 Hr. Rate →	Oil BBL 31	Gas MCF 434	Water BBL 390	Gas:Oil Ratio	Well Status	

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

ELECTRONIC SUBMISSION #380538 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

DAVID R. GLASS
PETROLEUM ENGINEER

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
WOLFCAMP	8446	9896	OIL\GAS\WATER	DELAWARE	1631
CISCO-CANYON	9952	10304	OIL\GAS\WATER	BONE SPRING	5238
MORROW	11676	11955	GAS\WATER	BONE SPRING 3RD	8002
				WOLFCAMP	8358
				CISCO-CANYON	9941
				STRAWN	10254
				ATOKA	10493
				MORROW	11069

32. Additional remarks (include plugging procedure):

11/23/2016- Ran in hole with 5 1/2" CIBP set at 10815' with 25 sacks on top. Calc TOC 10587'. Abandoned Morrow Formation.
11/24/2016 Pressure test 5 1/2" casing to 8500 psi for 30 min.
12/14/2016- Perforate Cisco Canyon formation from 9952'-10304' 71 Total shots. Acidize and Frac with 4000 gal 15% HCL acid, 848243 gal slickwater, 993821# sand
12/15-16/2016- Perforate wolfcamp formation @ 8446'-9896'. 156 Total Shots. Acidize and frac with 8000 gal 15% HCL Acid, 1543037 gal slickwater, 1983621 # sand.
12/20/2016- Drill out plugs and Co to PBTD at 10578'

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 #380538 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad
Committed to AFMSS for processing by DAVID GLASS on 11/06/2017 (18DRG0010SE)

Name (please print) AMITHY E CRAWFORDTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 07/05/2017

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

District I
1635 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. West St., Alamogordo, NM 88310
Phone: (505) 748-1281 Fax: (505) 748-9710
District III
1600 Rio Brazos Road, Artesia, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 E. El Frasco Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34319		² Pool Code 97566		³ Pool Name Walnut Canyon; Upper Penn (G)	
⁴ Property Code 35072		⁵ Property Name Adrianne G Federal			⁶ Well Number 1
⁷ OGRIN No. 162683		⁸ Operator Name Cimarex Energy of Colorado			⁹ Elevation 3454'
¹⁰ Surface Location					
UL or lot no. 3	Section 6	Township 25S	Range 26E	Lot Edn 	Feet from the 200
		North/South line North		Feet from the 1700	East/West line West
				County Eddy	
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. 4	Section 6	Township 25S	Range 26E	Lot Edn 	Feet from the 763
		North/South line North		Feet from the 863	East/West line West
				County Eddy	
¹² Dedicated Acres 320		¹³ Joint or Infill N	¹⁴ Consolidation Code 		¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

		" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that I am a duly qualified and sworn a working interest or released interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a relinquishing agreement or a compulsory pooling order previously entered by the division. <i>Amithy Crawford</i> 11/15/16 Signature Date Amithy Crawford Printed Name acrawford@cimarex.com E-mail Address "SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
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District I
1615 IL Freese Dr., Hobbs, NM 88240
Phone: (505) 391-6161 Fax: (505) 391-6720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 718-1281 Fax: (505) 718-9220
District III
1001 Pita Brasas Road, Aztec, NM 87410
Phone: (505) 314-6174 Fax: (505) 314-6173
District IV
1120 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3159 Fax: (505) 476-3452

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34319	² Pool Code 96890	³ Pool Name Sage Draw; Wolfcamp, East (Gas)
⁴ Property Code 35072	⁵ Property Name Adrienne 6 Federal	
⁶ GRID No. 162683	⁷ Operator Name Cimarex Energy of Colorado	⁸ Well Number 1
		⁹ Elevation 3454'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	6	25S	26E		200	North	1700	West	Eddy

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	25S	26E		763	North	863	West	Eddy

¹⁰ Dedicated Acres	¹¹ Joint or Infill	¹² Consolidation Code	¹³ Order No.
320	N		DHC-4797

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and accurate to the best of my knowledge and belief, and that the operator has obtained a valid permit or license to drill the well in the State of New Mexico, and that the operator has obtained a valid permit or license to drill the well in the State of New Mexico, and that the operator has obtained a valid permit or license to drill the well in the State of New Mexico. <i>Amithy Crawford</i> 9/17 Signature Amithy Crawford Printed Name acrawford@cimarex.com E-mail Address
Lot 5	
Lot 6	"SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor Certificate Number
Lot 7	

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Phone: (575) 748-3283 Fax: (575) 748-9728
District III
1600 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1720 S. St. Francis Dr., Santa Fe, NM 87505
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34319	² Pool Code 98220	³ Pool Name Purple Sage Wolfcamp (Gas)
⁴ Property Code 35072	⁵ Property Name Adrienne 6 Federal	⁶ Well Number 1
⁷ OGRID No. 162683	⁸ Operator Name Cimarex Energy of Colorado	⁹ Elevation 3454'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	6	25S	26E		200	North	1700	West	Eddy

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	25S	26E		763	North	863	West	Eddy

¹⁰ Dedicated Acres	¹¹ Joint or Infill	¹² Consolidation Code	¹³ Order No.
320	N		

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to an agreement with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division. Signature: <i>[Signature]</i> Date: 6/15/17 Printed Name: Terri Stathem E-mail Address: tstathem@clmarex.com "SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ Certificate Number: _____
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Current WBD
KB - 19' above GL

Cimarex Energy Co. of Colorado

Adrienne 6 Federal #1

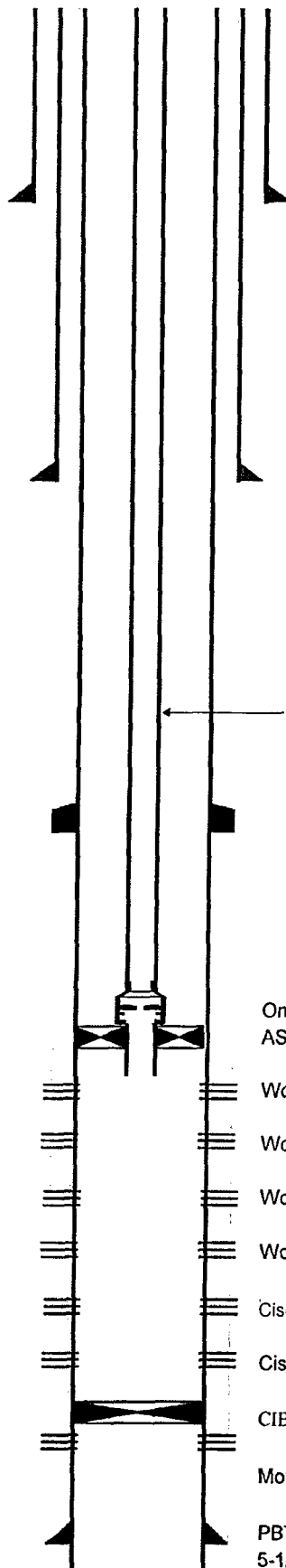
SHL - 200' FNL & 1700' FWL

BHL - 763' FNL & 863' FWL

Sec. 6, T-25-S, R-26-E, Eddy Co., NM

M. Karner

2/2/2017



13-3/8", 48# H-40 csg @ 215'
cmtd w/ 260 sx, cmt circ

9-5/8", 40# J-55 csg @ 1915'
cmtd w/ 735 sx, cmt circ

271 jts 2-3/8" 4.7# L-80 Tbg

Cement verified by CBL 6800-7290

DV Tool @ 7290'
cmtd w/ 980 sx, cmt circ

On-off Tool w/ 1.81" X Profile nipple @ 8392"
AS-1X packer @ +/- 8399.5'

Wolfcamp perfs (8,446' - 8,641')

Wolfcamp perfs (9,038' - 9,244')

Wolfcamp perfs (9,294' - 9,510')

Wolfcamp perfs (9,694' - 9,896')

Cisco Canyon (9,952' - 10,144')

Cisco Canyon (10,197' - 10,304')

CIBP at 10,815' with 25 sx pumped on top, calc TOC 10,587'

Morrow perfs (11306' - 11955')

PBTD @ 12130'
5-1/2" 17# P-110 @ 12235' cmtd w/ 1060 sx, cmt circ
TD @ 12235'