

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION  
ARTESIAN DISTRICT  
Artesia  
NOV 07 2017

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" 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 OF OK Contact: AMITHY E CRAWFORD Email: acrawford@cimarex.com			8. Lease Name and Well No. WHITE CITY 31 FEDERAL 2		
3. Address 202 S CHEYENNE AVE SUITE 1000 TULSA, OK 74103.4346			9. API Well No. 30-015-33394-00-C1		
3a. Phone No. (include area code) Ph: 432-620-1909			10. Field and Pool, or Exploratory WHITE CITY-PENN (GAS) PURPLE SAGE-WOLF CAMP (GAS)		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESW 2150FSL 1700FWL At top prod interval reported below NESW 2150FSL 1700FWL At total depth NESW 2591FSL 1490FWL			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T24S R26E Mer NMP		
14. Date Spudded 12/23/2004		15. Date T.D. Reached 01/25/2005	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> 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 10322		20. Depth Bridge Plug Set: MD 10369 TVD 10362	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) PRODUCTION LOG			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	54.5	0	208		348		0	
12.250	9.625 N-80	40.0	0	1685		800		0	
8.750	5.500 P-110	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

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

26. Perforation Record

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

Depth Interval	Amount and Type of Material
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
02/16/2017	04/20/2017	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	
24/64	1950		→	8	177	134	22125	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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

OCT 03 2017

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

ELECTRONIC SUBMISSION #382282 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* 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.)  
UNKNOWN

## 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
RUSTLER ANHYDRITE	0	250		BONE SPRING	6726
WOLFCAMP	8458	9939	OIL/GAS/WATER	CISCO	9656
CISCO-CANYON	9967	10184	OIL/GAS/WATER	CANYON	10011
STRAWN	10374	10450	GAS	STRAWN	10180
MORROW	11922	11936	GAS	ATOKA	10802
				MORROW	11135

## 32. Additional remarks (include plugging procedure):

Set CIBP at 11350' with 35' cement on top. Abandon Morrow formation.

## 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 #382282 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 10/03/2017 (18DRG0003SE)**

Name (please print) AMITHY E CRAWFORDTitle REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 07/24/2017

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 \*\***



Post Strawn RC WBD  
KB - 23' above GL

Cimarex Energy Co. of Colorado

White City 31 Federal #2

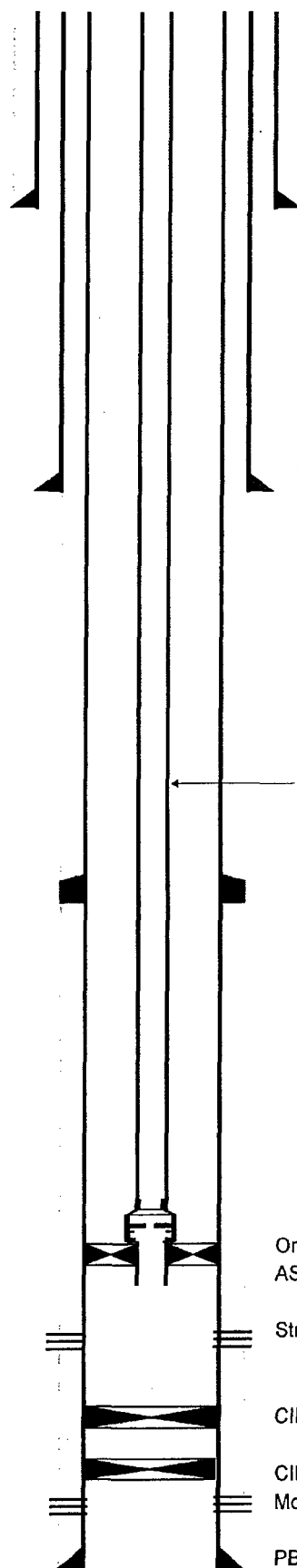
SHL - 2150' FSL & 1700' FWL

corr BHL - 1709' FSL & 1490' FWL

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

M. Karner

11/21/2016



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/ 2.313" Profile nipple @ 10,324'  
AS-1X pkr @ +/- 10,331'

Strawn perms 10,374' - 10,450'

CIBP set at +/- 11,350' with 35' cement on top

CIBP set at +/- 11,397'  
Morrow perms (11,447' - 11,936')

PBTD @ 11,934' on 8/22/06.  
5-1/2" 17# P-110 & N-80 @ 12,150' cmtd w/ 1160 sx, cmt circ  
TD @ 12,150'