

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

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff Resvr.
Other _____

2. Name of Operator **CIMAREX ENERGY CO. OF COLORADO** Contact: **NATALIE E KRUEGER**
Email: **nrueger@cimarex.com**

3. Address **600 N MARIENFELD ST., STE. 600** 3a. Phone No. (include area code) **432-620-1936**
MIDLAND, TX 79701

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **NENW 660FNL 1650FWL 32.869081 N Lat, 104.100225 W Lon**
At top prod interval reported below **NENW 660FNL 1650FWL 32.869081 N Lat, 104.100225 W Lon**
At total depth **NENW 660FNL 1650FWL 32.869081 N Lat, 104.100225 W Lon**

5. Lease Serial No. **NMNM0397622**

6. If Indian, Allottee or Tribe Name _____

7. Unit or CA Agreement Name and No **NMNM123965**

8. Lease Name and Well No. **PICKETWIRE 5 FEDERAL COM 001**

9. API Well No. **30-015-35959**

10. Field and Pool or Exploratory **EMPIRE; GLOD-YEHO**

11. Sec., T., R., M., or Block and Survey or Area **Sec 5 T17S R29E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14. Date Spudded **12/20/2007** 15. Date T.D. Reached **02/23/2008** 16. Date Completed ☐ D & A ☒ Ready to Prod **06/24/2010**

17. Elevations (DF, KB, RT, GL)* **3633 GL**

18. Total Depth: MD **10665** TVD **9350** 19. Plug Back T.D. MD **6700** TVD **6700** 20. Depth Bridge Plug Set MD **6700** TVD **6700**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **LOGS RUN ON INITIAL COMPLETION**

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 H40	48.0	0	350		603		0	
12.250	9.625 J55	40.0	0	2662		1075		0	
8.750	7.000 P110	26.0	0	7434		1435		2230	
6.125	4.500 P110	11.6	6716	9050		0			
8.750	5.500 N80	17.0	7434	10649		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)
2.875	6716							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY/PADDOCK	3900	4620	4290 TO 4620	0.420	50	OPEN
B)			3900 TO 4090	0.420	46	OPEN
C)						
D)						

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
4290 TO 4620	2000 GAL 15 HCL, 887904 GAL SLICK WATER, 26823# 100 MESH, 298939# 40/70 SAND
3900 TO 4090	2000 GAL 15% HCL, 1193333 GAL SLICK WATER, 44625# 100 MESH, 426150# 40/70 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
07/01/2010	07/31/2010	24	→	44.0	91.0	839.0	37.8	1.33	ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
OPEN	SI	70.0	→				2068	FLOW	

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	
	SI		→						

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

ELECTRONIC SUBMISSION #110595 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

2A Empire Morrow South (GAS)

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

RECEIVED
JUL 15 2011
NMUCD ARTESIA

ACCEPTED FOR RECORD

JUN 26 2011

[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

32. Additional remarks (include plugging procedure)

Prior to recompletion, Abo was producing from PEAK completion liner (no perfs) from 6716-9050. CIBP @ 6700 now covers Abo completion. To be removed at a later date to DHC the Abo and Paddock/Blinebry.

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 #110595 Verified by the BLM Well Information System.
For CIMAREX ENERGY CO. OF COLORADO, sent to the Carlsbad

Name (please print) NATALIE E KRUEGERTitle REGULATORY

Signature _____ (Electronic Submission)

Date 06/14/2011

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.

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