

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM81274

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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 COMPANY OF** Contact: **TERRI STATHEM**  
Email: **tstathem@cimarex.com**

8. Lease Name and Well No.  
**THYME APY FEDERAL 9 H**

3. Address **600 N MARIENFELD STE 600  
MIDLAND, TX 79703**

3a. Phone No. (include area code)  
Ph: **432-222-1122**

9. API Well No.  
**30-025-41501-00-S1**

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

At surface **Lot 2 330FNL 2030FEL**

At top prod interval reported below **Lot 2 330FNL 2030FEL**

At total depth **SWSE 330FSL 1650FEL**

10. Field and Pool, or Exploratory  
**RED TANK**

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 1 T23S R32E Mer NMP**

12. County or Parish  
**LEA**

13. State  
**NM**

14. Date Spudded  
**10/13/2017**

15. Date T.D. Reached  
**11/04/2017**

16. Date Completed  
 D & A  Ready to Prod.  
**01/21/2018**

17. Elevations (DF, KB, RT, GL)\*  
**3758 GL**

18. Total Depth: **MD 14030**  
**TVD**

19. Plug Back T.D.: **MD 14027**  
**TVD**

20. Depth Bridge Plug Set: **MD**  
**TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**NONE**

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 J55	48.0	0	1321		1460		0	0
12.250	9.625 J55	40.0	0	4975		1745		0	0
8.750	5.500 P110	20.0	0	14030		2570		0	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)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <b>BONE SPRING</b>	<b>9450</b>	<b>14002</b>	<b>9450 TO 14002</b>	<b>0.000</b>	<b>940</b>	<b>OPEM</b>
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
<b>9450 TO 14002</b>	<b>246160 GALS TOTAL FLUID; 12271507# SAND</b>

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
<b>02/01/2018</b>	<b>02/05/2018</b>	<b>24</b>	<b>→</b>	<b>591.0</b>	<b>640.0</b>	<b>2633.0</b>	<b>38.5</b>		<b>FLOWS FROM WELL</b>
<b>Choke Size 36</b>	<b>Tbg. Press. SI 847</b>	<b>Csg. Press.</b>	<b>24 Hr. Rate →</b>	<b>Oil BBL 591</b>	<b>Gas MCF 640</b>	<b>Water BBL 2633</b>	<b>Gas:Oil Ratio 1082</b>	<b>Well Status POW</b>	

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
			<b>→</b>						
<b>Choke Size SI</b>	<b>Tbg. Press. SI</b>	<b>Csg. Press.</b>	<b>24 Hr. Rate →</b>	<b>Oil BBL</b>	<b>Gas MCF</b>	<b>Water BBL</b>	<b>Gas:Oil Ratio</b>	<b>Well Status</b>	

**ACCEPTED FOR RECORD**

**SEP 30 2018**

*Mirah Negrete*

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #436100 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* BLM REVISED \*\*

*Reclamation Due: 7/21/2018*

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	4455		OIL GAS	RUSTLER	1019
CHERRY CANYON	5411		OIL GAS	TOP OF SALT	1345
BRUSHY CANYON	6730		OIL GAS	CASTILE	2800
BONE SPRING	8461		OIL GAS	BONE SPRING	8461
WOLFCAMP	11715		OIL GAS	WOLFCAMP	11715

32. Additional remarks (include plugging procedure):

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 #436100 Verified by the BLM Well Information System.  
 For CIMAREX ENERGY COMPANY OF CO, sent to the Hobbs  
 Committed to AFMSS for processing by DUNCAN WHITLOCK on 09/20/2018 (18DW0265SE)**

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 09/19/2018

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 \*\***