

OCD Hobbs

Form 3160-4
(August 2007)

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

5. Lease Serial No.
NMNM129267

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

2. Name of Operator **CIMAREX ENERGY COMPANY** Contact: **TERRI STATHEM**
E-Mail: **tstathem@cimarex.com**

7. Unit or CA Agreement Name and No.
NMNM138940

3. Address **600 N. MARIENFELD SUITE 600**
MIDLAND, TX 79701

3a. Phone (include area code)
Ph: **432-620-1936**

8. Lease Name and Well No.
WEST GRAMA RIDGE 8-5 FED COM 3H

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 8 T22S R34E Mer NMP
At surface **SWSW 517FSL 540FWL 32.400227 N Lat, 103.498680 W Lon**
Sec 8 T22S R34E Mer NMP
At top prod interval reported below **SWSW 517FSL 540FWL**
Sec 5 T22S R34E Mer NMP
At total depth **Lot 4 100FNL 518FWL**

9. API Well No.
30-025-44840-00-S1

10. Field and Pool, or Exploratory
GRAMA RIDGE-BONE SPRINGS, WEST

11. Sec., T., R., M., or Block and Survey
or Area **Sec 8 T22S R34E Mer NMP**

12. County or Parish
LEA

13. State
NM

14. Date Spudded
08/06/2018

15. Date T.D. Reached
09/01/2018

16. Date Completed
 D & A Ready to Prod.
09/30/2018

17. Elevations (DF, KB, RT, GL)*
3525 GL

18. Total Depth: **MD 20640**
TVD 10967

19. Plug Back T.D.: **MD 20615**
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	54.5	0	1635		1450		0	0
12.250	9.625 J55	40.0	0	5160		1755		0	0
8.750	5.500 P110	20.0	0	20640		4181		1900	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

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10430	20590	10430 TO 20590	0.000	1661	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
10430 TO 20590	466966 BBLs TOTAL FLUID; 24257056# 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
10/11/2018	10/18/2018	24	→	890.0	1109.0	1810.0	40.1		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI	1652.0	→	890	1109	1810	1246	POW	

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		→						

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

ELECTRONIC SUBMISSION #448850 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due 4-11-2019

HOBBS OCD
APR 08 2019
RECEIVED

ACCEPTED FOR RECORD
MAR 11 2019
Wendy B...
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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. Fwg. 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. Fwg. 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
RUSTLER	1580	1730		RUSTLER	1580
TANSILL	1730	3790		TOP OF SALT	1730
DELAWARE	5210	8680		CAPITAN REEF	4290
BONE SPRING	8680	10967		DELAWARE	5210
				BONE SPRING	8680

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 #448850 Verified by the BLM Well Information System.
For CIMAREX ENERGY COMPANY, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH HAM on 02/14/2019 (19DMH0046SE)**

Name (please print) TERRI STATHEM Title MANAGER REGULATORY COMPLIANCE

Signature (Electronic Submission) Date 01/07/2019

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #448850

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM129267	NMNM129267
Agreement:		NMNM138940 (NMNM138940)
Operator:	CIMAREX ENERGY COMPANY 600 N. MARIENFELD ST, STE 600 MIDLAND, TX 79701 Ph: 432-620-1936	CIMAREX ENERGY COMPANY 600 N. MARIENFELD SUITE 600 MIDLAND, TX 79701 Ph: 432.620.1938
Admin Contact:	TERRI STATHEM MANAGER REGULATORY COMPLIANCE E-Mail: tstathem@cimarex.com Ph: 432-620-1936	TERRI STATHEM MANAGER REGULATORY COMPLIANCE E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Tech Contact:	TERRI STATHEM MANAGER REGULATORY COMPLIANCE E-Mail: tstathem@cimarex.com Ph: 432-620-1936	TERRI STATHEM MANAGER REGULATORY COMPLIANCE E-Mail: tstathem@cimarex.com Ph: 432-620-1936
Well Name: Number:	WEST GRAMA RIDGE 8-5 FED COM 3H	WEST GRAMA RIDGE 8-5 FED COM 3H
Location: State: County: S/T/R: Surf Loc:	NM LEA Sec 8 T22S R34E Mer SWSW 517FSL 540FWL	NM LEA Sec 8 T22S R34E Mer NMP SWSW 517FSL 540FWL 32.400227 N Lat, 103.498680 W Lon
Field/Pool:	GRAMA RIDGE; BONE SPRING	GRAMA RIDGE-BONE SPRINGS, WEST
Logs Run:	NONE	NONE
Producing Intervals - Formations:	BONE SPRING	BONE SPRING
Porous Zones:	RUSTLER SALT DELAWARE BONE SPRING	RUSTLER TANSILL DELAWARE BONE SPRING
Markers:	RUSTLER SALT CAPITAN REEF DELAWARE BONE SPRING	RUSTLER TOP OF SALT CAPITAN REEF DELAWARE BONE SPRING