

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
MN19848

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
LAGUNA GRANDE UNIT 7H

9. API Well No.  
30-015-42739-00-S1

10. Field and Pool, or Exploratory  
PURPLE SAGE-WOLFCAMP (GAS)

11. Sec., T., R., M., or Block and Survey  
or Area Sec 29 T23S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

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

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 OK  
Contact: AMITHY E CRAWFORD  
Email: acrawford@cimarex.com

3. Address 202 S CHEYENNE AVE SUITE 1000  
TULSA, OK 74103.4346  
3a. Phone No. (include area code)  
Ph: 432-620-1909

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

At surface NWNE 180FNL 1650FEL 32.165776 N Lat, 104.001375 W Lon

At top prod interval reported below NWNE 600FNL 1848FEL

At total depth SWSE 326FSL 1878FEL 32.161014 N Lat, 104.001582 W Lon

14. Date Spudded 01/11/2018  
15. Date T.D. Reached 01/31/2018  
16. Date Completed  
 D & A  Ready to Prod.  
04/20/2018

18. Total Depth: MD 14595  
TVD 9995  
19. Plug Back T.D.: MD 14582  
TVD 9995  
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
12.250	9.625 J55	36.0	0	2863		1455		0	521
8.750	7.000 N80	26.0	0	10135		620		0	200
6.000	4.500 HCP110	11.6	8516	14595		365		8516	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)
3.500	8487	8487						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10202	14555	10202 TO 14555	0.430	770	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10202 TO 14555	8533624 GAL SLICK WATER AND 10895945 LBS 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
05/01/2018	06/04/2018	24	→	974.0	1852.0	1219.0	42.6		GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
22	SI 3159	227.0	→	974	1852	1219	1901	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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD  
AUG - 5 2018  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #426529 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Reclamation Due: 10/20/2018

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	2923	3902	SANDSTONE: WATER	SALADO	680
CHERRY CANYON	3902	4987	SANDSTONE: WATER	RUSTLER	1800
BRUSHY CANYON	4987	6615	SANDSTONE: WATER OIL GAS	CASTILE	2705
BONE SPRING	6615	9897	SANDSTONE WATER OIL GAS	BELL CANYON	2923
				CHERRY CANYON	3902
				BONE SPRING	6615

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 #426529 Verified by the BLM Well Information System.  
For CIMAREX ENERGY COMPANY OF CO, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/10/2018 (18DW0198SE)**

Name (please print) AMITHY E CRAWFORD Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 07/06/2018

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 \*\***