

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMLC066126

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 **CHISHOLM ENERGY OPERATING LEA** Contact: JENNIFER ELROD  
Email: jelrod@chisholmenergy.com

3. Address **801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102** 3a. Phone No. (include area code) **Ph: 817-953-3728 Ext: 3728**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **SWSW 50FSL 515FWL 32.551508 N Lat, 103.537831 W Lon**  
At top prod interval reported below **SWSW 363FSL 390FWL 32.552368 N Lat, 103.538235 W Lon**  
At total depth **NWNW 100FNL 391FWL 32.565614 N Lat, 103.538247 W Lon**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_

7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No. **LAGUNA 23 2BS FEDERAL COM 4H**

9. API Well No. **30-025-46349-00-S1**

10. Field and Pool, or Exploratory **LEA-BONE SPRING, SOUTH**

11. Sec., T., R., M., or Block and Survey or Area **Sec 23 T20S R34E Mer NMP**

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

14. Date Spudded **09/19/2019** 15. Date T.D. Reached **10/08/2019** 16. Date Completed  D & A  Ready to Prod. **12/07/2019**

17. Elevations (DF, KB, RT, GL)\* **3680 GL**

18. Total Depth: MD **15458** TVD **10540** 19. Plug Back T.D.: MD **15439** TVD **10540** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **MWD;GAMMA;CBL**

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 J-55	54.5	0	1680		1250	389	0	0
12.250	9.625 J-55	40.0	0	5690		1530	650	0	0
8.750	5.500 P-110	20.0	0	15458		2175	842	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	10491							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	10610	15410	10610 TO 15410	0.000	1288	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10610 TO 15410	702 BBLs HCL + 139217 BBLs SW W/4641672# 100 MESH + 2608530# 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
12/11/2019	01/16/2019	24	→	355.0	613.0	521.0	36.0	0.84	GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI 100	800.0	→	355	613	521	1727	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 #504857 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

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
RUSTLER	1590	1954	ANHY	BONE SPRING	8528
SALADO	1955	3537	SALT		
YATES	3538	3530	SS & SH		
CAPITAN REEF	3831	5626	DOL & LS		
DELAWARE	5327	8527	SS, SLTST, & SH		
BONE SPRING	8528	9655	LS & SH		
BONE SPRING 1ST	9656	10160	SS, SLTST, & SH		

32. Additional remarks (include plugging procedure):

GAS WAS BOTH SOLD AND USED ON LEASE FOR INJECTION/GAS LIFT

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 #504857 Verified by the BLM Well Information System.  
For CHISHOLM ENERGY OPERATING LLC, sent to the Hobbs  
Committed to AFMSS for processing by TANJA BACA on 05/12/2020 (20TAB0024SE)**

Name (please print) JENNIFER ELROD Title SR. REGULATORY ANALYST

Signature (Electronic Submission) Date 02/27/2020

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.

**Revisions to Operator-Submitted EC Data for Well Completion #504857**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Lease:	NMLC066126	NMLC066126
Agreement:		
Operator:	CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET SUITE 1200-UNIT 20 FORT WORTH, TX 76102 Ph: 817-953-3728	CHISHOLM ENERGY OPERATING LLC 801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102 Ph: 817 953 6063
Admin Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728 Ext: 3728
Tech Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728 Ext: 3728
Well Name: Number:	LAGUNA 23 2BS FEDERAL COM 4H	LAGUNA 23 2BS FEDERAL COM 4H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 23 T20S R34E Mer NMP	Sec 23 T20S R34E Mer NMP
Surf Loc:	SWSW 50FSL 515FWL 32.551508 N Lat, 103.537831 W Lon	SWSW 50FSL 515FWL 32.551508 N Lat, 103.537831 W Lon
Field/Pool:	LEA; BONE SPRING, SOUTH	LEA-BONE SPRING, SOUTH
Logs Run:	MWD; GAMMA; CBL	MWD;GAMMA;CBL
Producing Intervals - Formations:	LEA; BONE SPRING, SOUTH	BONE SPRING
Porous Zones:	RUSTLER SALADO YATES CAPITAN REEF DELAWARE MTN GR BONE SPRING 1ST BONE SPRING SS 2ND BONE SPRING SS	RUSTLER SALADO YATES CAPITAN REEF DELAWARE BONE SPRING BONE SPRING 1ST
Markers:	BONE SPRING 1ST BONE SPRING SS 2ND BONE SPRING SS	BONE SPRING