

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____				5. Lease Serial No. NMLC066126	
2. Name of Operator CHISHOLM ENERGY OPERATING LEA Contact: JENNIFER ELROD Email: jelrod@chisholmenergy.com				6. If Indian, Allottee or Tribe Name	
3. Address    801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102				7. Unit or CA Agreement Name and No.	
3a. Phone No. (include area code) Ph: 817-953-3728 Ext: 3728				8. Lease Name and Well No. LAGUNA 23 2BS FEDERAL COM 4H	
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				9. API Well No. 30-025-46349-00-S1	
14. Date Spudded 09/19/2019				10. Field and Pool, or Exploratory LEA-BONE SPRING, SOUTH	
15. Date T.D. Reached 10/08/2019				11. Sec., T., R., M., or Block and Survey or Area    Sec 23 T20S R34E Mer NMP	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/07/2019				12. County or Parish LEA	
17. Elevations (DF, KB, RT, GL)* 3680 GL				13. State NM	
18. Total Depth:    MD 15458 TVD 10540		19. Plug Back T.D.:    MD 15439 TVD 10540		20. Depth Bridge Plug Set:    MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MWD; GAMMA; CBL				22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	100 SI	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	

(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
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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

	Operator Submitted	BLM Revised (AFMSS)
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