

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, L.L.C. 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.	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 225FSL 2055FWL 32.551984 N Lat, 103.532834 W Lon At top prod interval reported below SESW 367FSL 2148FWL 32.552373 N Lat, 103.532532 W Lon At total depth NENW 101FNL 2118FWL 32.565601 N Lat, 103.532642 W Lon				8. Lease Name and Well No. LAGUNA 23 2BS FEDERAL COM 5H 9. API Well No. 30-025-46394	
14. Date Spudded 10/17/2019		15. Date T.D. Reached 11/10/2019		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	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/07/2019		17. Elevations (DF, KB, RT, GL)* 3681 GL			
18. Total Depth: MD 15495 TVD 10525		19. Plug Back T.D.: MD 15489 TVD 10525		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMA, CBL, MWD				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	1685		1245	389	0	0
12.250	9.625 J-55	40.0	0	5706		1695	407	0	0
8.750	5.500 P-110	20.0	0	15489		1950	741	50	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	10561							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
LEA) BONE SPRING, SOUTH	10661	15455	10661 TO 15455	0.420	1288	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10661 TO 15455	613 BBLs HCL + 139541 BBLs SW W/4542604# 100 MESH + 2596823# 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	01/15/2020	24	→	363.0	759.0	663.0	35.0	0.82	GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	200 SI	1100.0	→	363	759	663	2091	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 #504853 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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	1ST BONE SPRING SS	9656
YATES	3538	3830	SS & SH	2ND BONE SPRING SS	10161
CAPITAN REEF	3831	5326	DOL & LS		
DELAWARE MTN GR	5627	8527	SS, SLTST, & SH		
BONE SPRING	8528	9655	LS & SH		
1ST BONE SPRING SS	9656	10160	SS, SLTST, & SH		
2ND BONE SPRING SS	10161	10943	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 #504853 Verified by the BLM Well Information System.
 For CHISHOLM ENERGY OPERATING, LLC, sent to the Hobbs**

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.

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