

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 12 2018
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM113944

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMNM138989

8. Lease Name and Well No. COTTONWOOD 28-33 FED COM 2BS 7H

9. API Well No. 30-015-44650-00-S1

10. Field and Pool, or Exploratory WELCH-BONE SPRING

11. Sec., T., R., M., or Block and Survey or Area Sec 21 T26S R26E Mer NMP

12. County or Parish EDDY 13. State NM

14. Date Spudded 04/12/2018 15. Date T.D. Reached 05/04/2018 16. Date Completed 07/05/2018 D & A Ready to Prod.

17. Elevations (DF, KB, RT, GL)* 3384 GL

18. Total Depth: MD 14339 TVD 7149 19. Plug Back T.D.: MD 14308 TVD 7149 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 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	13.750 J-55	48.0	0	420		445	186	0	
12.250	9.625 J-55	36.0	0	1630		550	328	0	
8.750	5.500 P-110	17.0	0	14288		2680	1269	220	

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

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7590	14280	7590 TO 14280	3.130	1792	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7590 TO 14280	1166 BBLs HCL + 135829 BBLs WS W/6445769# 100 MESH + 3670154# 20/40 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
07/09/2018	07/28/2018	24	→	586.0	2302.0	2329.0	50.0	0.76	POW
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	SI 0	900.0	→	586	2302	2329	3974	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		→						

ACCEPTED FOR RECORD
12/4/2018
DEC 4 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #431575 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation Due: 1/5/2019

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
CASTILE	81		ANHY & SALT	BONE SPRING	5371
DELAWARE	1786		SS, SLTST, & SH	BONE SPRING 2ND	6791
BONE SPRING	5371		LS & SH	BONE SPRING 1ST	9266
BONE SPRING 1ST	6266		SS, SLTST, & SH		
BONE SPRING 2ND	6791		SS, SLTST, & SH		

32. Additional remarks (include plugging procedure):
PERFORATIONS-3 1/8", 56 HOLES/STAGE, 32 STAGES

FIRST OIL PRODUCTION-07/09/2018
FIRST GAS PRODUCTION-07/10/2018

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 #431575 Verified by the BLM Well Information System.
For CHISHOLM ENERGY OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 08/16/2018 (18DMH0114SE)**

Name (please print) JENNIFER ELROD Title SENIOR REGULATORY TECH

Signature _____ (Electronic Submission) Date 08/16/2018

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 ****

