

OCD - REC'D 9/16/2020

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM70200

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 LE Contact: JENNIFER ELROD
CHISHOLM ENERGY OPERATING LE Mail: JELROD@CHISHOLMENERGY.COM

3. Address: 801 CHERRY STREET FORT WORTH, TX 76012 3a. Phone No. (include area code) Ph: 817-953-3728

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWNE 120FNL 1390FEL 32.296558 N Lat, 104.311467 W Lon
At top prod interval reported below NWNE 599FNL 2178FEL 32.295238 N Lat, 104.314001 W Lon
At total depth SWSE 322FSL 2234FEL 32.268655 N Lat, 104.314116 W Lon

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. ASTEROID 20-29 FED COM WCA 1H

9. API Well No. 30-015-45876-00-S1

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

11. Sec., T., R., M., or Block and Survey or Area UNKNOWN Sec 20 T23S R26E Mer NMP

12. County or Parish EDDY 13. State NM

14. Date Spudded 12/14/2019 15. Date T.D. Reached 01/04/2020 16. Date Completed D & A Ready to Prod. 02/06/2020

17. Elevations (DF, KB, RT, GL)* 3367 GL

18. Total Depth: MD 18580 TVD 8686 19. Plug Back T.D.: MD 18551 TVD 8686 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? 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 J55	48.0	0	456		465	156	0	0
12.250	9.625 J55	36.0	0	1913		790	280	0	0
8.750	5.500 P-110	20.0	0	18560		2610	885	1120	

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) WOLFCAMP	8890	18520	8890 TO 18520	0.420	2576	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8890 TO 18520	1188 BBLS HCL + 275584 BBLS SW W/9191509# 100 MESH + 5260729# 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
02/10/2020	03/04/2020	24	→	752.0	2091.0	3596.0	50.0	0.76	FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/64	SI	1050.0	→	752	2091	3596	2780	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		→						

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

ELECTRONIC SUBMISSION #508154 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

11/06/2020 AB

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
DELAWARE	1843	5107	SS, SLTST, & SH	BONE SPRING WOLFCAMP	5108
BONE SPRING	5108	6048	LS & SH		8546
BONE SPRING 1ST	6049	6332	SS, SLTST, & SH		
BONE SPRING 2ND	6333	8171	SS, SLTST, & SH		
BONE SPRING 3RD	8172	8469	SS, SLTST, & SH		
WOLFCAMP	8546	8664	SS, LS, & SH		

32. Additional remarks (include plugging procedure):

1ST GAS PRODUCED 02/11/2020
 FLARED GAS 2/11/2020-02/26/2020
 1ST SALES GAS 02/26/2020
 SOLD AND FLARED GAS-02/26/2020-CURRENT

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 #508154 Verified by the BLM Well Information System.
For CHISHOLM ENERGY OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER SANCHEZ on 09/16/2020 (20JAS0257SE)

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

Signature (Electronic Submission) Date 03/23/2020

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 #508154

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM70200	NMNM70200
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 FORT WORTH, TX 76012 Ph: 972-979-0132
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
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
Well Name: Number:	ASTEROID 20-29 FED COM WCA 1H	ASTEROID 20-29 FED COM WCA 1H
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 20 T23S R26E Mer NMP	Sec 20 T23S R26E Mer NMP
Surf Loc:	NWNE 120FNL 1390FEL 32.296558 N Lat, 104.311467 W Lon	NWNE 120FNL 1390FEL 32.296558 N Lat, 104.311467 W Lon
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	GAMMA; CBL; MWD	GAMMA;CBL;MWD
Producing Intervals - Formations:	PURPLE SAGE; WOLFCAMP	WOLFCAMP
Porous Zones:	DELAWARE MTN GROUP BONE SPRING 1ST BONE SPRING SS 2ND BONE SPRING SS 3RD BONE SPRING SS 3RD BS SS LWR WOLFCAMP WOLFCAMP A-Y SS	DELAWARE BONE SPRING BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD WOLFCAMP
Markers:	BONE SPRING WOLFCAMP	BONE SPRING WOLFCAMP