

District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Rec'd 05/06/2020 - NMOCD
Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET, SUITE 1200-UNIT 20 FORT WORTH, TX 76102		² OGRID Number 372137
		³ Reason for Filing Code/ Effective Date NW-02/10/2020
⁴ API Number 30 - 0 15-45876	⁵ Pool Name PURPLE SAGE; WOLFCAMP	⁶ Pool Code 98220
⁷ Property Code 325385	⁸ Property Name ASTEROID 20-29 FED COM WCA	⁹ Well Number 1H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	20	23S	26E		120	NORTH	1390	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	29	23S	26E		322	SOUTH	2234	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 02/26/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
371960	LUCID ENERGY DELAWARE, LLC	G
35246	SHELL TRADING US COMPANY	O

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
12/14/2019	02/06/2020	18580'MD/8686'TVD	18551'MD/8686'TVD	18520'-8890'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375", 48#, J-55	456'	465		
12.25"	9.625", 36#, J-55	1913'	790		
8.75"	5.5", 20# P-110	18560'	2610		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
02/10/2020	02/26/2020	03/04/2020	24	0	1050
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
48/64	752	3596	2091	F	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Jennifer Elrod*

Printed name: JENNIFER ELROD

Title: SR. REGULATORY ANALYST

E-mail Address: JELROD@CHISHOLMENERY.COM

Date: 05/04/2020

Phone: 817-953-3728

OIL CONSERVATION DIVISION	
Approved by: <i>Ana Rosa</i>	
Title: BUSINESS OP. SPEC.	
Approval Date: 11/06/2020	

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 _____

6. If Indian, Allottee or Tribe Name _____
 7. Unit or CA Agreement Name and No. _____

2. Name of Operator **CHISHOLM ENERGY OPERATING, LLC** Contact: JENNIFER ELROD
 Email: JELROD@CHISHOLMENERGY.COM

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

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

9. API Well No. **30-015-45876**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 20 T23S R26E Mer NMP
NWNE 120FNL 1390FEL 32.296558 N Lat, 104.311467 W Lon**
 At top prod interval reported below **Sec 20 T23S R26E Mer NMP
NWNE 599FNL 2178FEL 32.295238 N Lat, 104.314001 W Lon**
 At total depth **Sec 29 T23S R26E Mer NMP
SWSE 322FSL 2234FEL 32.268655 N Lat, 104.314116 W Lon**

10. Field and Pool, or Exploratory
PURPLE SAGE; WOLFCAMP

11. Sec., T., R., M., or Block and Survey
or Area **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
PURPLE SAGE; 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

**** 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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
DELAWARE MTN GROUP	1843	5107	SS, SLTST, & SH	BONE SPRING WOLFCAMP	5108
BONE SPRING	5108	6048	LS & SH		8546
1ST BONE SPRING SS	6049	6332	SS, SLTST, & SH		
2ND BONE SPRING SS	6333	8171	SS, SLTST, & SH		
3RD BONE SPRING SS	8172	8469	SS, SLTST, & SH		
3RD BS SS LWR	8470	8545	SS, SLTST, & SH		
WOLFCAMP	8546	8664	SS, LS, & SH		
WOLFCAMP A-Y SS	8665	8739	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**

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM70200

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ASTEROID 20-29 FED COM WCA 1H
2. Name of Operator CHISHOLM ENERGY OPERATING LLC		9. API Well No. 30-015-45876-00-X1
3a. Address 801 CHERRY STREET FORT WORTH, TX 76012		10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
3b. Phone No. (include area code) Ph: 817-653-3728		11. County or Parish, State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T23S R26E 120FNL 1390FEL 32.296558 N Lat, 104.311371 W Lon		

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Production Start-up
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COMPLETION/PRODUCTION START UP

01/14/2020-PBT @ 18551'MD; RUN CB W/ EST TOC @ 1120'MD

01/15/2020-SET PLUG @ 18535'MD; PRESSURE TEST PROD CASING TO 9600 PSI, 30 MIN, GOOD TEST; PERFORATE STAGE 1 @ 18520'-18340'MD.

01/19-01/29-PERFORATE STAGE 2-46 @ 18310'MD -8890'MD; FRACTURE ALL STAGES W/1188 BBLS HCl + 275584 BBLS SW W/9191509# 100 MESH + 5260729# 40/70 SAND.

02/02-02/03/2020-DRILL OUT

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #502242 verified by the BLM Well Information System For CHISHOLM ENERGY OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 02/06/2020 (20PP1129SE)	
Name (Printed/Typed) JENNIFER ELROD	Title SR. REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/06/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROLEUM ENGINEER	Date 02/08/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #502242 that would not fit on the form

32. Additional remarks, continued

02/04/2020-TURN WELL OVER TO PRODUCTION

02/06/2020-TURN WELL TO FLOWBACK

Revisions to Operator-Submitted EC Data for Sundry Notice #502242

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	STARTUP SR	STARTUP SR
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: 817-653-3728
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: 817-653-3728
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	ASTEROID 20-29 FED COM WCA 1H Sec 20 T23S R26E Mer NMP 120FNL 1390FEL 32.296558 N Lat, 104.311467 W Lon	ASTEROID 20-29 FED COM WCA 1H Sec 20 T23S R26E 120FNL 1390FEL 32.296558 N Lat, 104.311371 W Lon