

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

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JUN 27 2019

DISTRICT ARTESIA O.C.D.

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 COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-45164	⁵ Pool Name Purple Sage; Wolfcamp (Gas)	⁶ Pool Code 98220
⁷ Property Code 322243	⁸ Property Name Littlefield 33 Federal Com	⁹ Well Number 707H

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
9	33	26S	29E		250	South	811	West	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
D	28	26S	29E		210	North	968	West	Eddy
¹² Lse Code P	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/22/19	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
	ACC	O
	Delaware Basin Midstream 9950 Woodlock Forrest Dr The Woodlands, TX 77380	G
	Holly Refining and Marketing Co.	O

IV. Well Completion Data

V-10050

²¹ Spud Date 10/31/18	²² Ready Date 5/22/19	²³ TD 17175'	²⁴ PBDT 16998'	²⁵ Perforations 10,117-17,004'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14 3/4"	10 3/4"	590'	750		
9 7/8"	7 5/8"	9322'	2594		
6 3/4"	5 1/2"	17165'	1583		
	2 7/8"	9,385			

V. Well Test Data

³¹ Date New Oil 5/22/19	³² Gas Delivery Date 5/22/19	³³ Test Date 5/22/19	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 2700#	³⁶ Csg. Pressure 2800#
³⁷ Choke Size 24/64"	³⁸ Oil 308	³⁹ Water 2642	⁴⁰ Gas 2650		⁴¹ Test Method Flowing

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: *Amanda Avery*

Printed name:
Amanda Avery

Title:
Regulatory Analyst

E-mail Address:
aavery@concho.com

Date:
6/24/19

Phone:
575-748-6962

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*

Title: *Staff Mgr*

Approval Date: *7-16-19*

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMLC065928A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
LITTLEFIELD 33 FEDERAL COM 707H9. API Well No.
30-015-4516410. Field and Pool or Exploratory Area
PURPLE SAGE; WOLFCAMP GAS11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC
Contact: AMANDA AVERY
E-Mail: aaavery@concho.com3a. Address
2208 W MAIN STREET
ARTESIA, NM 882103b. Phone No. (include area code)
Ph: 575-748-69404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T26S R29E Mer NMP SWNW 250FSL 811FWL
32.000803 N Lat, 103.995558 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Hydraulic Fracture
	<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.

2/25/19 Test annulus to 1500# Set Composite Bridge plug @ 17,093' and test csg to 11,150#. Perf 17,068-17,078' Injection test.

4/3/19 to 4/15/19 Perf 10,117-17,004' (1248). Acdz w/60,228 gal 7 1/2%; frac w/ 14,053,820# sand & 12,835,746 gal fluid.

4/29/19 to 4/30/19 Drilled out CFP's. Clean down to PBTD @16,998'.

5/9/19 -5/10/19 Set 2 7/8" 6.5# L-80 tbg @ 9,385' packer @ 9,375'. Installed gas lift system.

5/22/19 Began flowing back & testing. Date of first production.

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DISTRICT II-ARTESIA O.C.D.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #470383 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/24/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Pending BLM approvals will subsequently be reviewed and scanned

(Instructions on page 2)

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

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

DISTRICT II-ARTESIA O.C.D.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC065928A		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			7. Unit or CA Agreement Name and No.		
Contact: AMANDA AVERY E-Mail: aavery@concho.com			8. Lease Name and Well No. LITTLEFIELD 33 FEDERAL COM 707H		
3. Address 2208 W MAIN STREET ARTESIA, NM 88210			9. API Well No. 30-015-45164		
3a. Phone No. (include area code) Ph: 575-748-6940			10. Field and Pool, or Exploratory PURPLE SAGE; WOLFCAMP GAS		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 33 T26S R29E Mer NMP At surface SWNW Lot 9 250FSL 811FWL 32.000803 N Lat, 103.995580 W Lon Sec 33 T26S R29E Mer NMP At top prod interval reported below SWNW Lot 9 250FSL 811FWL 32.000803 N Lat, 103.995580 W Lon Sec 28 T26S R29E Mer NMP At total depth NWNW Lot D 210FNL 968FWL 32.002057 N Lat, 103.994788 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 33 T26S R29E Mer NMP		
14. Date Spudded 10/31/2018			15. Date T.D. Reached 12/09/2018		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/22/2019			17. Elevations (DF, KB, RT, GL)* 2863 GL		
18. Total Depth: MD 17175 TVD 10050		19. Plug Back T.D.: MD 16998 TVD 10050		20. Depth Bridge Plug Set: MD 17093 TVD 10050	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)			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
14.750	10.750 L80	45.5	0	590		750		0	
9.875	7.625 L80	29.7	0	9322	2707	2594		0	
6.750	5.500 P110	23.0	0	17165		1583		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	9385	9375						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	10117	17004	10117 TO 17004		1248	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10117 TO 17004	SEE ATTACHED

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
05/22/2019	05/22/2019	24	→	308.0	2650.0	2642.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI 2700	2800.0	→	308	2650	2642		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 #470384 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

Pending BLM approvals will
subsequently be reviewed
and scanned

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
LAMAR	2703			LAMAR	2703
BELL CANYON	2763			BELL CANYON	2763
CHERRY CANYON	3631			CHERRY CANYON	3631
BRUSHY CANYON	4916			BRUSHY CANYON	4916
BONE SPRING LIMESTONE	6466			BONE SPRING LIMESTONE	6466
1ST BONE SPRING	7380			1ST BONE SPRING	7380
2ND BONE SPRING	8196			2ND BONE SPRING	8196
3RD BONE SPRING	9247			3RD BONE SPRING	9247

32. Additional remarks (include plugging procedure):
WOLFCAMP 9597

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 #470384 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) AMANDA AVERYTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 06/24/2019

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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