

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**EMNRD- OCD ARTESIA**
RECEIVED: 4/7/2020FORM 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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM54398
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: AMANDA AVERY E-Mail: aaavery@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 575-748-6940	8. Well Name and No. HOWITZER FEDERAL COM 606H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T24S R28E SENE 2155FNL 300FEL 32.233738 N Lat, 104.033257 W Lon		9. API Well No. 30-015-45834-00-S1
		10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
		11. County or Parish, State EDDY COUNTY, NM

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 recompleat 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 recompleat 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.

9/24/19 Test 9-5/8" x 5-1/2" annulus to 1500#. Test Good. Set Composite Bridge plug @ 18,854' and test csg to 9534#. Test Good. Perf 19,769-19,839'. Injection test.

"10/25/19 to 10/26/20 Perf 19,409-19,769' (64). The first 2 stages were frac?ed. The frac was then suspended due to a casing hole that was determined to be at 12,483'. This hole was squeezed and a Sattel Casing Patch (4.263? ID) was set from 12,463? ? 12,502?"

12/13/19 to 1/1/20 Perf 9,925 - 19,355'. Acdz w/ 125,456 gal 7 1/2%; frac w/ 24,92,640# sand & 20,988,668 gal fluid.

1/4/20 to 1/12/20 Drill out CFP's. Clena down to PBTD @ 19,766'

1/5/20 to 1/7/20 Set 2 7/8" 6.5# L-80 tbg @ 9,145' & pkr @ 9,135'.

gc 4/17/2020

OCD - casing must be tested for a minimum of 30 minutes.

??Perforated below CBP????

Accepted for record - NMOCD

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

Electronic Submission #506408 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 03/15/2020 (20PP1546SE)

Name (Printed/Typed) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 03/09/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

JONATHON SHEPARD
Title PETROLEUM ENGINEER

Date 03/18/2020

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 #506408 that would not fit on the form

32. Additional remarks, continued

1/24/20 Began flowback and testing. Date of first production.

Revisions to Operator-Submitted EC Data for Sundry Notice #506408

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	HF SR	HF SR
Lease:	NMNM54398	NMNM54398
Agreement:		
Operator:	COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
Admin Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY AUTHORIZED REPRESENTATIVE E-Mail: aavery@concho.com Ph: 575-748-6940
Tech Contact:	AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940	AMANDA AVERY AUTHORIZED REPRESENTATIVE E-Mail: aavery@concho.com Ph: 575-748-6940
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	HOWITZER FEDERAL COM 606H Sec 12 T24S R28E Mer NMP SENE 2155FNL 300FEL 32.233739 N Lat, 104.033260 W Lon	HOWITZER FEDERAL COM 606H Sec 12 T24S R28E SENE 2155FNL 300FEL 32.233738 N Lat, 104.033257 W Lon