

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

Form C-104
Revised August 1, 2011

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

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 - 015-43256	⁵ Pool Name Wildcat G-03 S252636M; Bone Spring	⁶ Pool Code 515065-97818
⁷ Property Code 315065	⁸ Property Name Populus Federal	⁹ Well Number 3H

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
N	20	25S	27E		100	South	1980	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
N	29	25S	27E		332	South	1987	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 4/11/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

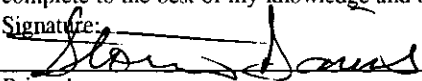
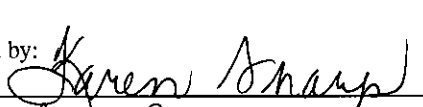
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
265309	Permian Transport and Trading 415 W. Wall - Ste 1000 Midland, TX 79701	O
147831	Agave Energy Company 105 S. 4 th Street Artesia, NM 88210	G
	NM OIL CONSERVATION ARTESIA DISTRICT MAY 05 2016 RECEIVED	

IV. Well Completion Data

²¹ Spud Date 11/18/15	²² Ready Date 3/3/16	²³ TD 12119'	²⁴ PBTD 11950'	²⁵ Perforations 7584-11935'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	370'	500		
12 1/4"	9 5/8"	2003'	750		
8 3/4"	7"	5600'	800		
6 1/8"	4 1/2"	5293-12103'	1050		
	2 7/8"	6692'			

V. Well Test Data

³¹ Date New Oil 4/7/16	³² Gas Delivery Date 4/11/16	³³ Test Date 4/10/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 680#
³⁷ Choke Size 42/64"	³⁸ Oil 795	³⁹ Water 1382	⁴⁰ Gas 1532		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: 			OIL CONSERVATION DIVISION		
Printed name: Stormi Davis			Approved by: 		
Title: Regulatory Analyst			Title: BusOp/Spec Adm		
E-mail Address: sdavis@concho.com			Approval Date: 5-11-16		
Date: 5/4/16			Phone: 575-748-6946		
Pending BLM approvals will subsequently be reviewed and scanned					

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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 reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114348
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6946		8. Well Name and No. POPULUS FEDERAL 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T25S R27E Mer NMP SESW 100FSL 1980FWL		9. API Well No. 30-015-43256
		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK 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"/> Fracture Treat	<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	
	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1/11/16 to 1/20/16 MIRU. Test 9 5/8" csg to 1500# for 15 mins. Good test. Test 7" csg to 8500# for 15 mins. Good test. Perf 11984-11994'. Injection test.

2/26/16 to 3/3/16 Set CBP @ 11950'. Test csg to 8113# for 30 mins. Good test. Perf Bone Spring 7584-11935' (504). Acdz w/40685 gal 7 1/2% acid; Frac w/6313633# sand & 5137844 gal fluid. SI for tank battery construction.

4/7/16 Began flowing back and testing. First date of production.

4/20/16 4/22/16 Drilled all frac plugs. Cleaned out to CBP @ 11950'.

4/24/16 Set 2 7/8" 6.5# L-80 tbg @ 6692' & pkr @ 6683'. Installed gas-lift system.

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 05 2016

14. I hereby certify that the foregoing is true and correct. Electronic Submission #338317 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad		RECEIVED
Name (Printed/Typed) STORMI DAVIS	Title PREPARER	
Signature (Electronic Submission)	Date 05/04/2016	
THIS SPACE FOR FEDERAL OR STATE		
Approved By _____	Title _____	Date _____
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 _____		

Pending BLM approvals will
subsequently be reviewed
and scanned

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.

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

Form 3160-4
 (August 2007)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
 NMNM114348

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
 POPULUS FEDERAL 3H

9. API Well No.
 30-015-43256

10. Field and Pool, or Exploratory
 WILDCAT; BONE SPRING

11. Sec., T., R., M., or Block and Survey
 or Area Sec 20 T25S R27E Mer NMP

12. County or Parish
 EDDY

13. State
 NM

17. Elevations (DF, KB, RT, GL)*
 3135 GL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
 Was DST run? ☒ No ☐ Yes (Submit analysis)
 Directional Survey? ☐ No ☒ Yes (Submit analysis)

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
 COG OPERATING LLC

Contact: STORMI DAVIS
 E-Mail: sdavis@concho.com

3. Address 2208 WEST MAIN
 ARTESIA, NM 88210

3a. Phone No. (include area code)
 Ph: 575-748-6946

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 20 T25S R27E Mer NMP
 At surface SESW 100FSL 1980FWL
 At top prod interval reported below
 Sec 29 T25S R27E Mer NMP
 At total depth SESW 332FSL 1987FWL

14. Date Spudded
 11/18/2015

15. Date T.D. Reached
 12/19/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
 03/03/2016

18. Total Depth: MD 12119
 TVD 7417

19. Plug Back T.D.: MD 11950
 TVD 7420

20. Depth Bridge Plug Set: MD 11950
 TVD 7420

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 CNL, SONIC, LATEROLOG

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	54.5	0	370		500		0	
12.250	9.625 J55	40.0	0	2003		750		0	
8.750	7.000 P110	29.0	0	5600	5571	800		0	
6.125	4.500 P110	11.6	5293	12103		1050		5293	

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	6692	6683						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7584	11935	7584 TO 11935	0.430	504	OPEN
B)			11984 TO 11994			UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
7584 TO 11935	SEE IN REMARKS

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
04/07/2016	04/10/2016	24	→	795.0	1532.0	1382.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
42/64	SI	680.0	→	795	1532	1382		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
	SI		→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #338322 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record - NMOCD

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	1993	2044		RUSTLER	220
BELL CANYON	2045	2866		TOP OF SALT	424
CHERRY CANYON	2867	3938		BOTTOM OF SALT	1818
BRUSHY CANYON	3939	5559		LAMAR	1993
BONE SPRING LM	5560	6484		BELL CANYON	2045
1ST BONE SPRING	6485	7770		CHERRY CANYON	2867
CHARKEY	7771	8329		BRUSHY CANYON	3939
3RD BONE SPRING	8330	8662		BONE SPRING LM	5560

32. Additional remarks (include plugging procedure):

Perfs 7 1/2%(Gal) Sand(#): Fluid(Gal)
 11723-11935 1500 451793 367345
 11404-11617 3024 451165 370818
 11086-11298 3024 450896 369894
 10768-10980 2970 450341 366337
 10449-10662 3024 451236 366030
 10131-10343 3024 450430 366954
 9813-10025 2982 450105 365484

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 #338322 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 05/04/2016

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 ****

Additional data for transaction #338322 that would not fit on the form

32. Additional remarks, continued

9494-9706 3000 449607 365208
9173-9385 3000 450631 364709
8857-9070 3000 449409 363973
8539-8751 3024 450925 363762
8221-8433 3066 450651 379890
7902-8115 3024 451722 364224
7584-7796 3024 454722 363216
Totals 40685 6313633 5137844

Surveys & logs are attached.

Additional Perfs:

1st Bone Spring 6485'
Charkey 7771'
3rd Bone Spring 8330'