

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

SEP 11 2017

Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED

☐ 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 - 015-44103	⁵ Pool Name WC-015 G-03 S252636M; Bone Spring	⁶ Pool Code 97818
⁷ Property Code 315065	⁸ Property Name Populus Federal	⁹ Well Number 4H

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
D	29	25S	27E		210	North	990	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
M	29	25S	27E		201	South	650	West	Eddy

¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 8/21/17	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
16696	Oxy USA Inc PO Box 4294 Houston, TX 77210	O
	Lucid Energy	G

IV. Well Completion Data

²¹ Spud Date 4/29/17	²² Ready Date 8/17/17	²³ TD 12105' / 7409'	²⁴ PBTD 11975'	²⁵ Perforations 7565-11950'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	370'	520		✓
12 1/4"	9 5/8"	2000'	810		✓
8 3/4"	5 1/2"	12082'	2110		✓
	2 7/8"	6793'			

V. Well Test Data

³¹ Date New Oil 8/18/17	³² Gas Delivery Date 8/21/17	³³ Test Date 8/18/17	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 560#	³⁶ Csg. Pressure 190#
³⁷ Choke Size 34/64"	³⁸ Oil 22	³⁹ Water 1311	⁴⁰ Gas 300		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:

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
9/5/17

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

SEP 11 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			8. Lease Name and Well No. POPULUS FEDERAL 4H		
3. Address 2208 WEST MAIN ARTESIA, NM 88210			9. API Well No. 30-015-44103		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 29 T25S R27E Mer NMP At surface NWNW 210FNL 990FWL At top prod interval reported below Sec 29 T25S R27E Mer NMP At total depth SWSW 201FSL 650FWL			10. Field and Pool, or Exploratory WILDCAT; BONE SPRING		
14. Date Spudded 04/29/2017			15. Date T.D. Reached 05/08/2017		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/17/2017			17. Elevations (DF, KB, RT, GL)* 3137 GL		
18. Total Depth: MD 12105 TVD 7409			19. Plug Back T.D.: MD 11975 TVD 7409		
20. Depth Bridge Plug Set: MD 11975 TVD 7409			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	370		430		0	
12.250	9.625 J55	40.0	0	2000		785		0	
8.750	5.500 P110	17.0	0	12082		2000		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	6793	6773						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7565	11950	7565 TO 11900	0.430	1232	OPEN
B)			11940 TO 11950		60	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7565 TO 11900	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
08/18/2017	08/18/2017	24	→	22.0	300.0	1311.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 560 SI	Csg. Press. 190.0	24 Hr. Rate →	Oil BBL 22	Gas MCF 300	Water BBL 1311	Gas:Oil Ratio	Well Status	POW

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. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	

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

ELECTRONIC SUBMISSION #387536 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPPending BLM approvals will
subsequently be reviewed
and scanned

SC 9-12-17

Populus Federal 4H

	Stage 1		Stage 2		Stage 3		Stage 4		Stage 5		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	11,900	19	11,756	28	11,589	19	11,431	23	11,278	19	6
	11,881	20	11,725	19	11,570	20	11,414	19	11,259	20	6
	11,861	22	11,706	20	11,550	19	11,395	20	11,239	20	6
	11,839	17	11,686	19	11,531	20	11,375	19	11,219	19	6
	11,822	19	11,667	20	11,511	20	11,355	19	11,200	19	6
	11,803	20	11,647	16	11,489	17	11,335	16	11,185	24	5
	11,783	19	11,631	23	11,472	18	11,320	23	11,161	19	5
Plug to Plug	11,764	5	11,608	5	11,454	5	11,307	5	11,142	5	5
Frac Plug	11,920	44	11,744	44	11,597	44	11,439	44	11,286	44	Total Shots

	Stage 6		Stage 7		Stage 8		Stage 9		Stage 10		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	11,117	25	10,967	19	10,804	27	10,656	19	10,490	30	6
	11,100	16	10,947	19	10,788	17	10,635	18	10,474	17	6
	11,084	20	10,928	22	10,771	18	10,617	18	10,457	15	6
	11,064	24	10,909	17	10,753	18	10,601	23	10,442	19	6
	11,040	15	10,889	19	10,735	21	10,578	19	10,423	20	5
	11,025	19	10,870	20	10,714	19	10,559	20	10,403	19	5
	11,006	20	10,850	19	10,695	20	10,539	19	10,384	20	5
Plug to Plug	10,986	5	10,831	5	10,675	5	10,520	5	10,364	5	5
Frac Plug	11,125	44	10,975	44	10,812	44	10,664	44	10,488	44	Total Shots

	Stage 11		Stage 12		Stage 13		Stage 14		Stage 15		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	10,345	19	10,187	26	10,034	19	9,886	32	9,723	19	6
	10,322	16	10,170	20	10,014	19	9,869	17	9,698	14	6
	10,306	19	10,150	19	9,995	16	9,834	16	9,684	19	6
	10,287	20	10,131	19	9,976	23	9,817	19	9,665	20	6
	10,267	19	10,112	20	9,956	19	9,801	20	9,645	19	5
	10,248	20	10,092	19	9,937	20	9,781	19	9,626	20	5
	10,228	15	10,073	20	9,917	19	9,762	20	9,606	19	5
Plug to Plug	10,213	5	10,053	5	9,998	5	9,742	5	9,587	5	5
Frac Plug	10,353	44	10,202	44	10,042	44	9,874	44	9,731	44	Total Shots

	Stage 16		Stage 17		Stage 18		Stage 19		Stage 20		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	9,563	24	9,412	26	9,255	26	9,101	19	8,939	26	6
	9,548	20	9,387	20	9,233	18	9,081	19	8,922	16	6
	9,528	19	9,367	19	9,217	19	9,062	20	8,906	19	6
	9,509	19	9,348	14	9,198	23	9,042	19	8,887	23	6
	9,490	20	9,334	18	9,175	16	9,023	16	8,864	16	5
	9,470	19	9,316	21	9,159	18	9,007	23	8,848	19	5
	9,451	13	9,295	19	9,141	5	8,984	19	8,829	20	5
Plug to Plug	9,438	5	9,276	5	9,120	5	8,965	5	8,809	5	5
Frac Plug	9,577	44	9,420	44	9,258	44	9,108	44	8,947	44	Total Shots

	Stage 21		Stage 22		Stage 23		Stage 24		Stage 25		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	8,730	19	8,625	29	8,472	19	8,313	30	8,168	19	6
	8,710	19	8,610	15	8,459	19	8,297	16	8,148	19	6
	8,731	22	8,595	19	8,440	24	8,281	16	8,129	20	6
	8,729	17	8,576	25	8,416	15	8,265	20	8,109	19	6
	8,712	18	8,551	14	8,401	19	8,245	19	8,090	23	5
	8,694	21	8,537	19	8,382	20	8,226	19	8,067	16	5
	8,673	19	8,518	20	8,362	19	8,207	20	8,051	18	5
Plug to Plug	8,654	5	8,498	5	8,343	5	8,187	5	8,033	5	5
Frac Plug	8,788	44	8,633	44	8,487	44	8,321	44	8,176	44	Total Shots

	Stage 26		Stage 27		Stage 28		Stage 29		Stage 30		Shots
	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	Distance Between Perfs	Shots	
From Bottom to Top	8,010	23	7,880	19	7,700	19				0	
	7,993	20	7,837	19	7,683	21					
	7,973	19	7,818	20	7,662	19					
	7,954	20	7,798	19	7,643	20					
	7,934	19	7,779	20	7,623	24					
	7,915	14	7,759	19	7,599	14					
	7,891	22	7,740	21	7,585	20					
Plug to Plug	7,879	5	7,719	5	7,565	5					
Frac Plug	8,018	44	7,868	44	7,708	44	0	0	0	0	Total Shots

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.
NMNM114348

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
POPULUS FEDERAL 4H9. API Well No.
30-015-4410310. Field and Pool or Exploratory Area
WILDCAT; BONE SPRING11. 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: STORMI DAVIS
E-Mail: sdavis@concho.com3a. Address
2208 WEST MAIN
ARTESIA, NM 88210
3b. Phone No. (include area code)
Ph: 575-748-69464. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T25S R27E Mer NMP NWNW 210FNL 990FWL**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	
	<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.

5/23/17 Test csg to 1500# for 30 mins. Ran CBL. TOC @ surface. Set CBP @ 11975'. Test to 8336#. Perf 11940-11950' (60). Injection test.

7/12/17 to 7/17/17 Perf 7565-11900' (1232). Acdz w/85,596 gal 7 1/2%; frac w/8,744,073# sand & 9,467,934 gal fluid.

8/1/17 to 8/2/17 Drilled out CFP's. Clean down to CBP @ 11975'.

8/9/17 Set 2 7/8" 6.5# J-55 tbg @ 6793' & pkr @ 6773'. Installed gas-lift system.

8/17/17 Began flowing back & testing.

NM OIL CONSERVATION
ARTESIA DISTRICT

SEP 11 2017

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

**Electronic Submission #387527 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad**

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 09/06/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Initialed

(Instructions on page 2)

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

SC 9-12-17

Additional data for EC transaction #387527 that would not fit on the form

32. Additional remarks, continued

8/18/17 Date of first production.