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

HOBBS OCD
APR 17 2017
RECEIVED

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	[2] OGRID Number
COG Operating LLC 2208 W. Main Street Artesia, NM 88210	229137
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30 – 025-43533	WC-025 G-08 S203506D; Bone Spring	97983

[7] Property Code	[8] Property Name	[9] Well Number
317287	Blue Jay Federal Com	2H

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
P	18	20S	35E		210	South	660	East	Lea

[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
A	18	20S	35E		200	North	378	East	Lea

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
F	F	3/15/17			

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] O/G/W
	Alpha Crude Connector Pipeline	O
24650	Targa Midstream Services, LP 1000 Louisiana – Ste 4700 Houston, TX 77002	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
1/21/17	3/10/17	16178'	15988'	11684-15963'	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17 1/2"	13 3/8"	1786'	1350
12 1/4"	9 5/8"	5414'	1450
8 3/4"	5 1/2"	16032'	2750
	2 7/8"	11012'	

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
3/15/17	3/15/17	3/15/17	24 Hrs	1575#	2500#
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
	247	1947	340		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: Stormi Davis

Printed name: Stormi Davis

Title: Regulatory Analyst

E-mail Address: sdavis@concho.com

Date: 4/12/17

Phone: 575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: 04/20/17

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
APR 17 2017
RECEIVED

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM119759

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
BLUE JAY FEDERAL COM 2H

2. Name of Operator
COG OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

9. API Well No.
30-025-43533

3a. Address
2208 WEST MAIN
ARTESIA, NM 88210

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

10. Field and Pool or Exploratory Area
WC; BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 18 T20S R35E Mer NMP SESE 210FSL 660FEL

11. County or Parish, State
LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

2/17/17 to 3/4/17 Test annulus to 1500#. Good test. Set CBP @ 15988' & test csg to 8521#. Good test. Perf 11684-15963' (1188). Acdz w/82236 gal 7 1/2%; frac w/8444335# sand & 9330888 gal fluid.

3/7/17 to 3/8/17 Drilled out CFP's.
3/9/17 to 3/10/17 Set 2 7/8" 6.5# L-80 tbg @ 11012' & pkr @ 11002'. Installed gas-lift system.

3/14/17 Began flowing back & testing.
3/15/17 Date of first production.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #372865 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs

Name *(Printed/Typed)* STORMI DAVIS — Title PREPARER

Signature (Electronic Submission) — Date 04/13/2017

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

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)

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

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD
APR 17 2017
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM119759

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

8. Lease Name and Well No.: BLUE JAY FEDERAL COM 2H

3. Address: 2208 WEST MAIN, ARTESIA, NM 88210

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

9. API Well No.: 30-025-43533

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: SESE 210FSL 660FEL
At top prod interval reported below: Sec 18 T20S R35E Mer NMP
At total depth: NENE 200FNL 378FEL

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

11. Sec., T., R., M., or Block and Survey or Area: Sec 18 T20S R35E Mer NMP

12. County or Parish: LEA

13. State: NM

14. Date Spudded: 01/21/2017

15. Date T.D. Reached: 02/08/2017

16. Date Completed: ☐ D & A ☒ Ready to Prod. 03/10/2017

17. Elevations (DF, KB, RT, GL)*: 3685 GL

18. Total Depth: MD 16178 TVD 11371

19. Plug Back T.D.: MD 15988 TVD 11379

20. Depth Bridge Plug Set: MD 15988 TVD 11379

21. Type Electric & Other Mechanical Logs Run (Submit copy of each): NONE

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1786		1350		0	
12.250	9.625 L80	40.0	0	5414	3933	1450		0	
8.750	5.500 P110	17.0	0	16032		2750		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	11012	11002						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	11684	15963	11684 TO 15963	0.430	1188	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
11684 TO 15963	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
03/15/2017	03/15/2017	24	→	247.0	340.0	1947.0			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
	2500	1575.0	→	247	340	1947		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 Status
			→					

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

ELECTRONIC SUBMISSION #372871 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
BONE SPRING LM	8436	9747		RUSTLER	1899
1ST BONE SPRING	9748	10459		TOS	1991
2ND BONE SPRING	10460	11197		BOS	3508
CHARKEY	11198	11509		BONE SPRING LM	8436
3RD BONE SPRING	11510	11510		1ST BONE SPRING	9748
				2ND BONE SPRING	10460
				CHARKEY	11198
				3RD BONE SPRING	11510

32. Additional remarks (include plugging procedure):
Surveys, perfs & stimulation are attached.

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 #372871 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name *(please print)* STORMI DAVIS Title PREPARER

Signature (Electronic Submission) Date 04/13/2017

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 fradulent statements or representations as to any matter within its jurisdiction.

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

BLUE JAY FEDERAL COM #2H (30-025-43533)

Perfs	7 1/2% Acid (Gal)	Sand (#)	Fluid (Gal)
1	1470	314375	427560
2	3024	312101	372120
3	2982	313018	342762
4	2982	313942	343098
5	3024	313675	344736
6	2940	313036	340578
7	3024	312806	341880
8	3024	313301	341250
9	3024	314991	342006
10	3276	312293	342510
11	3024	312987	341460
12	3024	312896	340662
13	3024	313203	344190
14	3024	312364	339948
15	3024	315437	343644
16	3234	313441	340746
17	3192	312685	340410
18	3024	312505	340956
19	3024	312013	339024
20	3150	312007	338982
21	3024	312514	343854
22	3024	313319	340158
23	4536	312305	355572
24	3066	312748	335748
25	3024	311583	337050
26	3024	311917	336252
27	3024	306873	333732
Totals	**82,236**	**8,444,335**	**9,330,888**

BLUE JAY FEDERAL COM #2H
30-025-43533

	Stage 1	Distance Between Perfs	Shots	Stage 2	Distance Between Perfs	Shots	Stage 3	Distance Between Perfs	Shots	Stage 4	Distance Between Perfs	Shots	Stage 5	Distance Between Perfs	Shots
From Bottom to Top	15,963	20	6	15,787	36	6	15,644	20	6	15,456	48	6	15,325	20	6
	15,943	20	6	15,772	18	6	15,624	20	6	15,439	15	6	15,305	20	6
	15,923	20	6	15,754	16	6	15,604	19	6	15,424	16	6	15,285	23	6
	15,903	20	6	15,738	14	6	15,585	21	6	15,408	16	6	15,262	17	6
	15,883	20	5	15,724	20	5	15,564		5	15,392	16	5	15,245	16	5
	15,823		5	15,664		5	15,504		5	15,345		5	15,186		5
	Plug to Plug	85	44	Plug to Plug	56	44	Plug to Plug	66	44	Plug to Plug	55	44	Plug to Plug	70	44
	Frac Plug	15,988	Total Shots	Frac Plug	15,794	Total Shots	Frac Plug	15,651	Total Shots	Frac Plug	15,463	Total Shots	Frac Plug	15,332	Total Shots

	Stage 6	Distance Between Perfs	Shots	Stage 7	Distance Between Perfs	Shots	Stage 8	Distance Between Perfs	Shots	Stage 9	Distance Between Perfs	Shots	Stage 10	Distance Between Perfs	Shots
From Bottom to Top	15,161	25	6	15,007	19	6	14,847	20	6	14,686	22	6	14,511	37	6
	15,146	20	6	14,986	20	6	14,827	20	6	14,667	20	6	14,494	17	6
	15,126	20	6	14,966	20	6	14,807	15	6	14,647	20	6	14,477	17	6
	15,106	20	6	14,946	20	6	14,792	25	6	14,627	20	6	14,460	22	6
	15,086	20	5	14,926	20	5	14,767	26	5	14,607	20	5	14,438	17	5
	15,026		5	14,867		5	14,708		5	14,548		5	14,388		5
	Plug to Plug	62	44	Plug to Plug	68	44	Plug to Plug	62	44	Plug to Plug	67	44	Plug to Plug	58	44
	Frac Plug	15,168	Total Shots	Frac Plug	15,014	Total Shots	Frac Plug	14,854	Total Shots	Frac Plug	14,694	Total Shots	Frac Plug	14,518	Total Shots

	Stage 11	Distance Between Perfs	Shots	Stage 12	Distance Between Perfs	Shots	Stage 13	Distance Between Perfs	Shots	Stage 14	Distance Between Perfs	Shots	Stage 15	Distance Between Perfs	Shots
From Bottom to Top	14,368	20	6	14,203	22	6	14,038	31	6	13,890	20	6	13,729	21	6
	14,348	20	6	14,191	22	6	14,020	18	6	13,870	20	6	13,707	17	6
	14,328	20	6	14,169	20	6	14,002	18	6	13,850	20	6	13,690	16	6
	14,308	20	6	14,149	20	6	13,984	20	6	13,830	20	6	13,674	23	6
	14,288	21	5	14,129	20	5	13,964	16	5	13,810	20	5	13,651	20	5
	14,225		5	14,069		5	13,910		5	13,750		5	13,591		5
	Plug to Plug	67	44	Plug to Plug	61	44	Plug to Plug	61	44	Plug to Plug	67	44	Plug to Plug	62	44
	Frac Plug	14,375	Total Shots	Frac Plug	14,210	Total Shots	Frac Plug	14,045	Total Shots	Frac Plug	13,897	Total Shots	Frac Plug	13,736	Total Shots

	Stage 16	Distance Between Perfs	Shots	Stage 17	Distance Between Perfs	Shots	Stage 18	Distance Between Perfs	Shots	Stage 19	Distance Between Perfs	Shots	Stage 20	Distance Between Perfs	Shots
From Bottom to Top	13,562	29	6	13,411	20	6	13,251	22	6	13,093	19	6	12,933	28	6
	13,546	17	6	13,391	20	6	13,232	20	6	13,072	20	6	12,915	22	6
	13,529	18	6	13,371	19	6	13,212	20	6	13,052	19	6	12,893	20	6
	13,511	24	6	13,352	20	6	13,192	20	6	13,033	20	6	12,873	20	6
	13,487	16	5	13,332	24	5	13,172	20	5	13,013	20	5	12,853	20	5
	13,431		5	13,273		5	13,112		5	12,961		5	12,793		5
	Plug to Plug	58	44	Plug to Plug	66	44	Plug to Plug	66	44	Plug to Plug	67	44	Plug to Plug	67	44
	Frac Plug	13,569	Total Shots	Frac Plug	13,418	Total Shots	Frac Plug	13,258	Total Shots	Frac Plug	13,100	Total Shots	Frac Plug	12,940	Total Shots

	Stage 21	Distance Between Perfs	Shots	Stage 22	Distance Between Perfs	Shots	Stage 23	Distance Between Perfs	Shots	Stage 24	Distance Between Perfs	Shots	Stage 25	Distance Between Perfs	Shots
From Bottom to Top	12,760	33	6	12,614	20	6	12,449	25	6	12,275	40	6	12,135	19	6
	12,744	18	6	12,591	17	6	12,430	19	6	12,258	17	6	12,113	17	6
	12,726	18	6	12,574	16	6	12,411	19	6	12,241	17	6	12,096	18	6
	12,708	16	6	12,558	24	6	12,392	20	6	12,224	15	6	12,078	22	6
	12,692	20	5	12,534	20	5	12,372	17	5	12,209	19	5	12,056	20	5
	12,634		5	12,474		5	12,315		5	12,154		5	11,996		5
	Plug to Plug	59	44	Plug to Plug	63	44	Plug to Plug	64	44	Plug to Plug	58	44	Plug to Plug	64	44
	Frac Plug	12,767	Total Shots	Frac Plug	12,621	Total Shots	Frac Plug	12,456	Total Shots	Frac Plug	12,282	Total Shots	Frac Plug	12,142	Total Shots

	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots									
From Bottom to Top	11,966	30	6	11,813	23	6									
	11,948	18	6	11,797	20	6									
	11,930	18	6	11,777	20	6									
	11,912	13	6	11,757	20	6									
	11,899	23	5	11,737	26	5									
	11,836		5	11,684		5									
	Plug to Plug	61	44	Plug to Plug	63	44	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0
	Frac Plug	11,973	Total Shots	Frac Plug	11,820	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots