

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

HOBBS OCD

Form C-104
Revised August 1, 2011

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

APR 22 2016

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 - 025-42170	⁵ Pool Name Diamondtail; Bone Spring	⁶ Pool Code 17644
⁷ Property Code 313765	⁸ Property Name Resolver Federal Com	⁹ Well Number 2H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 12	Township 23S	Range 32E	Lot Idn	Feet from the 190	North/South Line North	Feet from the 2260	East/West line West	County Lea
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¹¹ Bottom Hole Location

Ul or lot no. N	Section 12	Township 23S	Range 32E	Lot Idn	Feet from the 436	North/South Line South	Feet from the 2284	East/West line West	County Lea
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 151618	¹⁹ Transporter Name and Address Enterprise Field Services, LLC P.O. Box 4503 Houston, TX 77210-4503	²⁰ O/G/W O

IV. Well Completion Data

²¹ Spud Date 10/26/15	²² Ready Date 3/7/16	²³ TD 14096'	²⁴ PBSD 14030'	²⁵ Perforations 9870-13990'	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 1361'	³⁰ Sacks Cement 1225		
12 1/4"	9 5/8"	5023'	1550		
8 3/4"	5 1/2"	14080'	2300		
	2 7/8"	9018'			

V. Well Test Data

³¹ Date New Oil 3/26/16	³² Gas Delivery Date	³³ Test Date 4/13/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 350#	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 220	³⁹ Water 2712	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:
4/14/16

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:
Petroleum Engineer

Approval Date:

E-PERMITTING -- New Well _____
Comp PM P&A _____ TA _____
CSNG MS Loc Chng _____
ReComp _____ Add New Well _____
Cancel Well _____ Create Pool _____

APR 26 2016

HOBBS OCDUNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010APR 22 2016 **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.
NMNM0536344

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
RESOLVER FEDERAL COM 2H ✓9. API Well No.
30-025-42170 ✓10. Field and Pool, or Exploratory
DIAMONDTAIL; BONE SPRING11. County or Parish, and State
LEA COUNTY, NM**RECEIVED****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**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 12 T23S R32E Mer NMP NENW 190FNL 2260FWL ✓

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 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 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.)

12/21/15 Test 9 5/8" x 5 1/2" annulus to 1500#. Good test. Set CBP @ 14030'. Test csg to 8107# for 30 mins. Good test. Perforate 13980-13990' (60). Perform injection test.

2/27/16 to 3/7/16 Perforate 9870-13930' (972). Acdz w/84338 gal 7 1/2% acid. Frac w/7975623# sand & 8154490 gal fluid. SI for TB construction.

3/25/16 Began flowing back & testing.

3/26/16 Date of 1st production.

3/29/16 to 4/5/16 Drill out all frac plugs. Clean down to CBP.

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

**Electronic Submission #336566 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 04/15/2016

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.

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

APR 26 2016

MY

Additional data for EC transaction #336566 that would not fit on the form

32. Additional remarks, continued

4/9/16 Set 2 7/8" 6.5# L-80 tbg @ 9018' & pkr @ 9001'. Installed gas-lift system.

HOBBS OCD

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 22 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMNM0536344

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.
RESOLVER 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.
30-025-42170 ☒

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface Sec 12 T23S R32E Mer NMP
 NENW 190FNL 2260FWL

10. Field and Pool, or Exploratory
DIAMONDTAIL; BONE SPRING11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T23S R32E Mer NMP

At top prod interval reported below
 Sec 12 T23S R32E Mer NMP
 At total depth SESW 436FSL 2284FWL

12. County or Parish
LEA13. State
NM14. Date Spudded
10/26/201515. Date T.D. Reached
11/24/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
 03/07/2016

17. Elevations (DF, KB, RT, GL)*
3754 GL

18. Total Depth: MD 14096
TVD 9788

19. Plug Back T.D.: MD 14030
TVD 9788

20. Depth Bridge Plug Set: MD 14030
TVD 9788

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1361		1225		0	
12.250	9.625 J55	40.0	0	5023		1550		0	
8.750	5.500 P110	17.0	0	14080		2300		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	9018	9001						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9870	13990	9870 TO 13930	0.430	972	OPEN
B)			13980 TO 13990		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9870 TO 13930	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
03/26/2016	04/13/2016	24	→	220.0	300.0	2712.0			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	
	350		→	220	300	2712		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 #336574 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

APR 26 2016

CJ

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.)
FLARED

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	5030	5086		LAMAR	5030
BELL CANYON	5087	6001		BELL CANYON	5087
CHERRY CANYON	6002	7256		CHERRY CANYON	6002
BRUSHY CANYON	7257	8879		BRUSHY CANYON	7257
BONE SPRING LM	8880	10061		BONE SPRING LM	8880
1ST BONE SPRING	10062	10715		1ST BONE SPRING	10062
2ND BONE SPRING	10716	11901		2ND BONE SPRING	10716
3RD BONE SPRING	11902	12319		3RD BONE SPRING	11902

32. Additional remarks (include plugging procedure):

Additional Tops:
Wolfcamp 12320

Surveys and 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 #336574 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 04/15/2016

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.

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