

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 - 015-43073	⁵ Pool Name Cottonwood Draw; Bone Spring	⁶ Pool Code 97494
⁷ Property Code 314781	⁸ Property Name Marsh Owl Federal Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	12	26S	26E		10	South	2180	East	Eddy

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	7	26S	27E		1969	South	338	East	Eddy

¹² Lsc 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				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	Shell Trading US Company P.O. Box 4604 Houston, TX 77210-4604	O
	NM OIL CONSERVATION ARTESIA DISTRICT AUG 27 2015 RECEIVED	

IV. Well Completion Data

²¹ Spnd Date	²² Ready Date	²³ TD	²⁴ PBD	²⁵ Perforations	²⁶ DHC, MC
5/29/15	7/17/15	14313' / 1523	14220'	9693-14195'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	225'	295		
12 1/4"	9 5/8"	1926'	695		
8 3/4"	5 1/2"	14313'	2755		
	2 7/8"	6036'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
7/28/15		8/2/15	24 Hrs		860#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
64/64"	887	2642	2240	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.		OIL CONSERVATION DIVISION	
Signature: <i>Stormi Davis</i>		Approved by: <i>R Wade</i>	
Printed name: Stormi Davis		Title: <i>Dist Supervisor</i>	
Title: Regulatory Analyst		Approval Date: 8-27-15	
E-mail Address: sdavis@concho.com		Pending BLM approvals will subsequently be reviewed and scanned <i>les</i>	
Date: 8/25/15	Phone: 575-748-6946		

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.

5. Lease Serial No.
NMNM113937

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MARSH OWL FEDERAL COM 1H

9. API Well No.
30-015-43073

10. Field and Pool, or Exploratory
COTTONWOOD DRAW, BONE SPR

11. County or Parish, and State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
2208 W MAIN STREET
ARTESIA, NM 88210

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12 T26S R26E Mer NMP SWSE 10FSL 2180FEL

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.)

7/6/15 to 7/8/15 MIRU. Test 5 1/2" csg to 8600# for 15 mins. Good test. Drill cmt & clean to PBD @ 14266'. Test 5 1/2" csg to 8500# for 15 mins. Good test. Perforate 14245-14255' (60) & perform injection test.

7/10/15 to 7/17/15 Set CBP @ 14220'. Test csg to 8600# for 30 mins. Perforate Bone Spring 9693-14195' (540). Acdz w/45402 gal 7 1/2%; frac w/6757511# sand & 5514096 gal fluid.

7/20/15 Began flowing back & testing.

7/28/15 Date of 1st production.

8/11/15 to 8/13/15 Drilled out frac plugs. Clean down to CBP @ 14220'.

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 27 2015
RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #313970 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) STORMI DAVIS Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/25/2015

THIS SPACE FOR FEDERAL OR STATE OFFICIAL APPROVAL

Approved By _____ Title _____

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 ****

Additional data for EC transaction #313970 that would not fit on the form

32. Additional remarks, continued

8/15/15 Set 2 7/8" 6.5# J-55 tbg @ 6036' & pkr @ 6023'. Installed gas-lift system.

NM OIL CONSERVATION
ARTESIA DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 27 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNNM113937

1a. Type of Well Oil Well Gas Well Dry Other _____
1b. 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.
MARSH OWL FEDERAL COM 1H

3. Address 2208 W MAIN ST
ARTESIA, NM 88210

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

9. API Well No.
30-015-43037

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 12 T26S R26E Mer NMP

At surface SWSE 10FSL 2180FEL

At top prod interval reported below Sec 7 T26S R27E Mer

NWSW Lot 3 1762FSL 345FWL

At total depth NESE 1969FSL 338FEL

10. Field and Pool, or Exploratory
COTTONWOOD DRAW; BONE SPR

11. Sec., T., R., M., or Block and Survey
or Area Sec 12 T26S R26E Mer NMP

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
05/29/2015

15. Date T.D. Reached
06/23/2015

16. Date Completed
 D & A Ready to Prod.
07/17/2015

17. Elevations (DF, KB, RT, GL)*
3259 GL

18. Total Depth: MD 14313
TVD 7522

19. Plug Back T.D.: MD 14220
TVD 7524

20. Depth Bridge Plug Set: MD 14220
TVD 7524

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

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. (H/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 H40	48.0	0	225		295		0	
12.250	9.625 J55	40.0	0	1926		695		0	
8.750	5.500 P110	17.0	0	14313		2755		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	6036	6023						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9693	14195	9693 TO 14195	0.430	540	OPEN
B)			14245 TO 14255		60	UNDER CBP
C)						
D)						

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

Depth Interval	Amount and Type of Material
9693 TO 14195	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
07/28/2015	08/02/2015	24	→	887.0	2240.0	2642.0			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	
64/64	SI	860.0	→	887	2240	2642		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	
	SI		→						

Pending BLM approvals will subsequently be reviewed and scanned *WDS*

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

ELECTRONIC SUBMISSION #313992 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.)
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, fine tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
LAMAR	1938	1977		BOS	1747
BELL CANYON	1978	2827		LAMAR	1938
CHERRY CANYON	2828	3955		BELL CANYON	1978
BRUSHY CANYON	3956	5508		CHERRY CANYON	2828
BONE SPRING LM	5509	6477		BRUSHY CANYON	3956
1ST BONE SPRING	6478	7221		BONE SPRING LM	5509
2ND BONE SPRING	7222	8291		1ST BONE SPRING	6478
3RD BONE SPRING	8292	8651		2ND BONE SPRING	7222

32. Additional remarks (include plugging procedure):
 Perfs 7 1/2% Acid Sand(%) Fluid (Gal)
 13990-14195 1512 453125 354144
 13683-13888 3234 451744 366534
 13379-13581 3066 446094 374514
 13070-13274 3150 450521 373590
 12763-12967 3024 451108 370902
 12456-12660 3024 449319 372162
 12150-12353 3024 449814 368130

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 #313992 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 08/25/2015

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.

Additional data for transaction #313992 that would not fit on the form

32. Additional remarks, continued

11846-12046 3066 430419 368214
11535-11739 3024 453528 368340
11228-11432 3024 453274 367416
10921-11128 3066 453786 366912
10617-10824 3024 452054 366366
10307-10512 3192 452220 363468
10000-10205 3948 454501 366954
9693-9898 3024 456004 366450
Totals 45402 6757511 5514096

Additional tops:
3rd Bone Spring: 8292
Wolfcamp: 8652

Surveys Attached

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 193-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1,
2011
Submit one copy to appropriate
District Office
 AMENDED REPORT
(As Drilled)

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 27 2015
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-43073		² Pool Code 97494		³ Pool Name Cottonwood Draw; Bone Spring	
⁴ Property Code 314781		⁵ Property Name Marsh Owl Federal Com			⁶ Well Number 1H
⁷ OGRID No. 229137		⁸ Operator Name COG Operating LLC			⁹ Elevation 3259' GR

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
O	12	26S	26E		10	South	2180	East	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	7	26S	27E		1969	South	338	East	Eddy

¹² Dedicated Acres 159.89	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>16</p> <p>Sec 12-T26S-R26E Sec 7-T26S-R27E</p> <p>Lot 1</p> <p>Producing Interval 9693-14195'</p> <p>Lot 2</p> <p>Top Perf 9693' 1762' FSL & 345 FWL</p> <p>SHIL</p> <p>2180'</p> <p>10'</p>	<p>32.056854391007 /06.2593401959</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Stormi Davis</i> 8/25/15 Signature Date</p> <p>Stormi Davis Printed Name</p> <p>sdavis@concho.com Email Address</p>	
		<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>REFER TO ORIGINAL PLAT</p> <p>Certificate Number</p>	