

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

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 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 - 015-42826	⁵ Pool Name Welch; Bone Spring	⁶ Pool Code 64010
⁷ Property Code 313961	⁸ Property Name Screech Owl Federal	⁹ Well Number 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
C	19	26S	27E		50	North	1550	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	30	26S	27E		341	South	1901	West	Eddy
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	¹⁹ Transporter Name and Address	²⁰ O/G/W
265309	Permian Transport and Trading 415 W. Wall - Ste 1000 Midland, TX 79701	O

NM OIL CONSERVATION
 ARTESIA DISTRICT
 JUL 23 2015
 RECEIVED

IV. Well Completion Data

²¹ Spud Date 4/29/15	²² Ready Date 6/16/15	²³ TD 17458' / 7400	²⁴ PBSD 17390'	²⁵ Perforations 7700-17365'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	338'	400		
12 1/4"	9 5/8"	2025'	725		
8 3/4"	5 1/2"	17458'	3390		
	2 7/8"	7650'			

V. Well Test Data

³¹ Date New Oil 6/21/15	³² Gas Delivery Date	³³ Test Date 6/24/15	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 650#
³⁷ Choke Size 40/64"	³⁸ Oil 545	³⁹ Water 2879	⁴⁰ Gas 1469		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: *Stormi Davis*

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
7/20/15

Phone:
575-748-6946

OIL CONSERVATION DIVISION	
Approved by: <i>JD Dade</i>	
Title: <i>Dist. P. Spewer</i>	
Approval Date: <i>7-24-15</i>	
Pending BLM approvals will subsequently be reviewed and scanned <i>LKD</i>	

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.
NMMN114970

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
SCREECH OWL FEDERAL 2H

9. API Well No.
30-015-42826

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 19 T26S R27E Mer NMP NENW 50FNL 1550FWL

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 recomplate 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.)

6/1/15 to 6/3/15 MIRU. Test csg to 8500# for 15 mins. Good test.
6/4/15 to 6/16/15 Load & test 9 5/8" x 5 1/2" annulus to 1500#. Set CBP @ 17390'. Test to 5022#. Good test. Perforate Bone Spring 7700-17365' (1152). Acdz w/193032 gal 7 1/2% acid. Frac w/14526575# sand & 12198270 gal fluid.
6/18/15 Began flowing back & testing.
6/21/15 Date of first production.
7/6/15 to 7/9/15 Drill out all frac plugs & clean down to CBP @ 17390'.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #309629 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 07/20/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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 _____

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

Additional data for EC transaction #309629 that would not fit on the form

32. Additional remarks, continued

7/11/15 Set 2 7/8" 6.5# J-55 tbg @ 7650' & pkr @ 6847'. Installed gas-lift system.

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 23 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM114970

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			Contact: STORMI DAVIS E-Mail: sdavis@concho.com		
3. Address 2208 W MAIN ST 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)* At surface NENW 50FNL 1550FWL At top prod interval reported below Sec 30 T26S R27E Mer NMP At total depth SESW 341FSL 1901FWL			8. Lease Name and Well No. SCREECH OWL FEDERAL 2H		
14. Date Spudded 04/29/2015			15. Date T.D. Reached 05/22/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/16/2015			9. API Well No. 30-015-42826		
18. Total Depth: MD 17458 TVD 7400			19. Plug Back T.D.: MD 17390 TVD 7400		
20. Depth Bridge Plug Set: MD 17390 TVD 7400			10. Field and Pool, or Exploratory WELCH; BONE SPRING		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE			11. Sec., T., R., M., or Block and Survey or Area Sec 19 T26S R27E Mer NMP		
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)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3340 GL			17. Elevations (DF, KB, RT, GL)* 3340 GL		

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	338		400		0	
12.250	9.625 J55	36.0	0	2025		725		0	
8.750	5.500 P110	17.0	0	17458		3390		0	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7650	6847						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7700	17365	7700 TO 17365	0.430	1152	OPEN
B)						
C)						
D)						

Depth Interval	Amount and Type of Material
7700 TO 17365	SEE IN REMARKS

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
06/21/2015	06/24/2015	24	→	545.0	1469.0	2879.0			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	
40/64	SI	650.0	→	545	1469	2879		POW	

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
			→				

Pending BLM approvals will subsequently be reviewed and scanned

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	2027	2094		TOS	334
BELL CANYON	2095	2938		BOS	1864
CHERRY CANYON	2939	4090		LAMAR	2027
BRUSHY CANYON	4091	5614		BELL CANYON	2095
BONE SPRING LM	5615	6590		CHERRY CANYON	2939
1ST BONE SPRING	6591	7514		BRUSHY CANYON	4091
				BONE SPRING LM	5615
				1ST BONE SPRING	6591

32. Additional remarks (include plugging procedure):

17162-17365 3024 447031 359478
 16788-16962 6006 447822 389886
 16551-16735 6132 449359 394422
 16246-16449 6048 452947 390012
 15941-16195 6048 451154 388668
 15635-15839 6048 453774 387198
 15330-15534 6006 448924 481026
 15025-15229 6006 451894 383586

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 #309640 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 07/20/2015

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 #309640 that would not fit on the form

32. Additional remarks, continued

14720-14923 6006 453043 382914
14415-14618 6048 447308 380604
14105-14313 5964 449002 379554
13804-14008 6048 450331 377454
13499-13703 6048 445017 374892
13191-13395 6048 419719 364644
12889-13092 6048 448493 382914
12583-12782 6006 450082 373926
12278-12477 6006 450001 372792
11975-12176 6048 446302 372666
11668-11871 9072 600404 549486
11363-11566 6048 452918 364392
11057-11261 6006 449776 364644
10752-10957 6006 442876 360612
10447-10650 5964 453014 365358
10143-10345 6006 451374 369096
9836-10040 6048 450652 363090
9531-9735 6048 453087 361830
9226-9430 6048 452439 358596
8921-9124 6006 450624 357252
8616-8816 6048 452372 359520
8310-8514 6048 450711 359898
8005-8209 6048 445981 367500
7700-7903 6048 458144 360360
Totals 193032 14526575 12198270

Surveys are attached.