

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 - 015-42825	⁵ Pool Name Welch; Bone Spring	⁶ Pool Code 64010
⁷ Property Code 313961	⁸ Property Name Screech Owl Federal	⁹ Well Number 1H

II. ¹⁰ Surface Location

UI or lot no. 1	Section 19	Township 26S	Range 27E	Lot Idn	Feet from the 50	North/South Line North	Feet from the 660	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UI or lot no. 4	Section 30	Township 26S	Range 27E	Lot Idn	Feet from the 341	North/South Line South	Feet from the 715	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/24/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

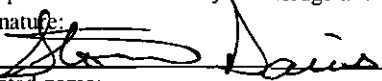
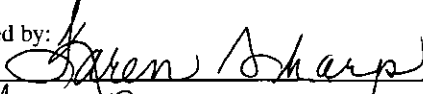
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	Alpha Crude Connector Pipeline	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street - Ste 700 Fort Worth, TX 76102	G
	NM OIL CONSERVATION ARTESIA DISTRICT JUN 29 2016	

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IV. Well Completion Data

²¹ Spud Date 3/31/16	²² Ready Date 5/18/16	²³ TD 17563'	²⁴ PBDT 17465'	²⁵ Perforations 7650-17440'	²⁶ DHC, MC
²⁷ Hole Size 17 1/2"	²⁸ Casing & Tubing Size 13 3/8"	²⁹ Depth Set 344'	³⁰ Sacks Cement 500		
12 1/4"	9 5/8"	2041'	825		
8 3/4"	5 1/2"	17537'	3685 (TOC @ 5960')		
	2 7/8"	6966'			

V. Well Test Data

³¹ Date New Oil 5/24/16	³² Gas Delivery Date 5/24/16	³³ Test Date 6/15/16	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 500#	³⁶ Csg. Pressure
³⁷ Choke Size 2"	³⁸ Oil 528	³⁹ Water 2754	⁴⁰ Gas 1500		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: 			OIL CONSERVATION DIVISION		
Printed name: Stormi Davis			Approved by: 		
Title: Regulatory Analyst			Title: Buss Op Spec - Adv		
E-mail Address: sdavis@concho.com			Approval Date: 7-12-16		
Date: 6/16/16		Phone: 575-748-6946			

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114970
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6946		8. Well Name and No. SCREECH OWL FEDERAL 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T26S R27E Mer NMP NWNW 50FNL 660FWL		9. API Well No. 30-015-42825
		10. Field and Pool, or Exploratory WELCH; BONE SPRING
		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 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 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.)

4/25/16 to 4/30/16 Test csg to 8324#. Good test. Drill cmt, FC, FS & new formation to 17563'. Circ clean.

5/3/16 to 5/18/16 Test 9 5/8" x 5 1/2" annulus to 1500#. Good test. Ran CBL. TOC @ 5960'. Set CBP @ 17465'. Test to 8330# for 30 mins. Good test. Perforate Bone Spring 7650-17440' (1188'). Acids w/100884 gal 7 1/2% acid. Frac w/14846540# sand & 12239178 gal fluid.

5/20/16 Began flowing back & testing.

5/24/16 Date of first production.

6/1/16 to 6/5/16 Drill out all frac plugs & clean down to CBP @ 17465'.

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 29 2016

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14. I hereby certify that the foregoing is true and correct. Electronic Submission #342186 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 06/16/2016
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
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 a States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

Pending BLM approvals will
subsequently be reviewed
and scanned

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

Additional data for EC transaction #342186 that would not fit on the form

32. Additional remarks, continued

6/6/16 Set 2 7/8" 6.5# J-55 tbg @ 6966' & pkr @ 6949'. Installed gas-lift system.

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 29 2016

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. SCREECH OWL FEDERAL 1H		
Contact: STORMI DAVIS E-Mail: sdavis@concho.com					
3. Address 2208 WEST MAIN ARTESIA, NM 88210			9. API Well No. 30-015-42825		
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 NWNW Lot 1 50FNL 660FWL At top prod interval reported below Sec 30 T26S R27E Mer NMP At total depth SWSW Lot 4 341FSL 715FWL			10. Field and Pool, or Exploratory WELCH; BONE SPRING		
			11. Sec., T., R., M., or Block and Survey or Area Sec 19 T26S R27E Mer NMP		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 03/31/2016		15. Date T.D. Reached 04/19/2016	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/18/2016		17. Elevations (DF, KB, RT, GL)* 3353 GL
18. Total Depth: MD 17563 TVD 7372		19. Plug Back T.D.: MD 17465 TVD 7372		20. Depth Bridge Plug Set: MD 17465 TVD 7372	
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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	344		500		0	
12.250	9.625 J55	40.0	0	2041		825		0	
8.750	5.500 P110	17.0	0	17537		3685		5960	

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	6966	6949						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7650	17440	7650 TO 17440	0.430	1188	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7650 TO 17440	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
05/24/2016	06/15/2016	24	→	528.0	1500.0	2754.0			FLows FROM WF
Choke Size	Tbg. Press. Flwg. 500 SI	Csg. Press.	24 Hr. Rate →	Oil BBL 528	Gas MCF 1500	Water BBL 2754	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
			→					
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 #342890 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will subsequently be reviewed and scanned

** 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
LAMAR	2017	2081		LAMAR	2017
BELL CANYON	2082	2925		BELL CANYON	2082
CHERRY CANYON	2926	4073		CHERRY CANYON	2926
BRUSHY CANYON	4074	5617		BRUSHY CANYON	4074
BONE SPRING LM	5618	6569		BONE SPRING LM	5618
1ST BONE SPRING	6570	7290		1ST BONE SPRING	6570
2ND BONE SPRING	7291	7497		2ND BONE SPRING	7291

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 #342890 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVISTitle PREPARERSignature (Electronic Submission)Date 06/23/2016

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.

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

SCREECH OWL FEDERAL #1H

30-015-42825

Sec 19-T26S-R27E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	451666	358470
2	3024	449127	390768
3	4494	451414	406308
4	2982	451973	377958
5	3024	451945	379428
6	3024	451988	385602
7	3024	450616	378336
8	3024	449027	378798
9	3024	449189	373968
10	3024	451926	374430
11	3024	451669	374724
12	4578	449947	390642
13	3024	449433	378336
14	3024	449331	368130
15	3024	449886	367080
16	3024	448313	367584
17	2604	449720	367752
18	3024	447114	426762
19	2982	448295	366576
20	3024	451262	365862
21	3024	448615	363846
22	3108	448310	361662
23	3066	450375	364896
24	3024	448900	364056
25	3024	451657	361032
26	2982	450507	359730
27	2982	449492	359688
28	3066	450897	362082
29	3024	451769	362922
30	3024	448657	360528
31	3024	448740	361032
32	3024	452253	363090
33	3024	442527	317100
Totals	100884	14846540	12239178

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 29 2016
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Date	5/6/2016															
Well Name/number	Screesh Owl Fed #1H															
From Bottom to Top	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	
	17,440	100	14	17,140	100	14	16,841	100	14	16,541	100	14	16,244	97	14	
	17,340	100	12	17,040	99	12	16,741	100	12	16,440	99	12	16,141	100	12	
	17,240		10	16,941		10	16,641		10	16,341		10	16,041		10	
	Plug to Plug	229	36	Plug to Plug	235	36	Plug to Plug	210	36	Plug to Plug	241	36	Plug to Plug	253	36	
Frac Plug	17,469	Total Shots	Frac Plug	17,176	Total Shots	Frac Plug	16,851	Total Shots	Frac Plug	16,582	Total Shots	Frac Plug	16,294	Total Shots		
From Bottom to Top	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	
	15,942	99	14	15,642	100	14	15,342	100	14	15,042	100	14	14,745	98	14	
	15,838	96	12	15,542	100	12	15,242	100	12	14,943	100	12	14,643	100	12	
	15,742		10	15,442		10	15,142		10	14,843		10	14,543		10	
	Plug to Plug	249	36	Plug to Plug	250	36	Plug to Plug	250	36	Plug to Plug	239	36	Plug to Plug	250	36	
Frac Plug	15,991	Total Shots	Frac Plug	15,692	Total Shots	Frac Plug	15,392	Total Shots	Frac Plug	15,082	Total Shots	Frac Plug	14,793	Total Shots		
From Bottom to Top	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	
	14,443	100	14	14,143	100	14	13,844	96	14	13,544	100	14	13,246	98	14	
	14,339	96	12	14,043	103	12	13,744	100	12	13,444	100	12	13,144	100	12	
	14,243		10	13,940		10	13,644		10	13,344		10	13,044		10	
	Plug to Plug	250	36	Plug to Plug	215	36	Plug to Plug	250	36	Plug to Plug	240	36	Plug to Plug	251	36	
Frac Plug	14,493	Total Shots	Frac Plug	14,155	Total Shots	Frac Plug	13,894	Total Shots	Frac Plug	13,584	Total Shots	Frac Plug	13,295	Total Shots		
From Bottom to Top	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	
	12,945	99	14	12,645	100	14	12,345	100	14	12,046	99	14	11,746	100	14	
	12,845	100	12	12,545	100	12	12,245	100	12	11,946	100	12	11,646	100	12	
	12,745		10	12,445		10	12,145		10	11,846		10	11,546		10	
	Plug to Plug	250	36	Plug to Plug	250	36	Plug to Plug	250	36	Plug to Plug	237	36	Plug to Plug	240	36	
Frac Plug	12,995	Total Shots	Frac Plug	12,695	Total Shots	Frac Plug	12,395	Total Shots	Frac Plug	12,083	Total Shots	Frac Plug	11,786	Total Shots		
From Bottom to Top	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	
	11,450	96	14	11,146	100	14	10,847	100	14	10,547	100	14	10,247	100	14	
	11,346	100	12	11,045	98	12	10,741	94	12	10,450	103	12	10,147	102	12	
	11,246		10	10,947		10	10,647		10	10,347		10	10,045		10	
	Plug to Plug	254	36	Plug to Plug	249	36	Plug to Plug	250	36	Plug to Plug	250	36	Plug to Plug	252	36	
Frac Plug	11,500	Total Shots	Frac Plug	11,196	Total Shots	Frac Plug	10,897	Total Shots	Frac Plug	10,597	Total Shots	Frac Plug	10,297	Total Shots		
From Bottom to Top	Stage 26	Distance Between Perfs	Shots	Stage 27	Distance Between Perfs	Shots	Stage 28	Distance Between Perfs	Shots	Stage 29	Distance Between Perfs	Shots	Stage 30	Distance Between Perfs	Shots	
	9,948	97	14	9,645	103	14	9,348	100	14	9,049	99	14	8,749	100	14	
	9,848	100	12	9,548	100	12	9,248	100	12	8,950	101	12	8,649	104	12	
	9,748		10	9,448		10	9,148		10	8,849		10	8,545		10	
	Plug to Plug	247	36	Plug to Plug	257	36	Plug to Plug	250	36	Plug to Plug	250	36	Plug to Plug	254	36	
Frac Plug	9,995	Total Shots	Frac Plug	9,705	Total Shots	Frac Plug	9,398	Total Shots	Frac Plug	9,099	Total Shots	Frac Plug	8,799	Total Shots		
From Bottom to Top	Stage 31	Distance Between Perfs	Shots	Stage 32	Distance Between Perfs	Shots	Stage 33	Distance Between Perfs	Shots							
	8,449	96	14	8,149	108	14	7,852	98	14							
	8,349	92	12	8,050	100	12	7,750	100	12							
	8,257		10	7,950		10	7,650		10							
	Plug to Plug	241	36	Plug to Plug	241	36	Plug to Plug	299	36							
Frac Plug	8,498	Total Shots	Frac Plug	8,191	Total Shots	Frac Plug	7,902	Total Shots								