

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 - 015-43133	⁵ Pool Name Cottonwood Draw; Bone Spring	⁶ Pool Code 97494
⁷ Property Code 316776	⁸ Property Name Road Runner Federal Com	⁹ Well Number 1H

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	25	25S	26E		190	South	380	East	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
A	24	25S	26E		70	North	347	East	Eddy

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
S	F	6/20/17			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
16696	Oxy USA Inc PO Box 4294 Houston, TX 77210	O
	Lucid Energy	G
	NM OIL CONSERVATION ARTESIA DISTRICT JUL 14 2017 RECEIVED	

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
3/3/17	6/19/17	17480' / 7305	17260'	7569-17210'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	379'	500		
12 1/4"	9 5/8"	2530'	1025		
8 3/4"	5 1/2"	17460'	3300		
	2 7/8"	6851'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
6/20/17	6/20/17	6/20/17	24 Hrs	775#	625#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	230	1244	250	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:
7/12/17

Phone:
575-748-6946

OIL CONSERVATION DIVISION	
Approved by:	Title: Geologist
Approval Date: 7-17-17	
Pending BLM approvals will subsequently be reviewed and scanned	

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 2100-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUL 14 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No.
NMNM109748

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.
ROAD RUNNER FEDERAL COM 1H

3. Address 2208 WEST MAIN
ARTESIA, NM 88210

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

9. API Well No.
30-015-43133

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 25 T25S R26E Mer NMP SESE 190FSL 380FEL
At top prod interval reported below Sec 24 T25S R26E Mer NMP
At total depth NENE 70FNL 347FEL

10. Field and Pool, or Exploratory
COTTONWOOD DRAW; BS

11. Sec., T., R., M., or Block and Survey
or Area Sec 25 T25S R26E Mer NMP

12. County or Parish
EDDY
13. State
NM

14. Date Spudded
03/03/2017

15. Date T.D. Reached
03/18/2017

16. Date Completed
 D & A Ready to Prod.
06/19/2017

17. Elevations (DF, KB, RT, GL)*
3250 GL

18. Total Depth: MD 17480
TVD 7305

19. Plug Back T.D.: MD 17260
TVD 7307

20. Depth Bridge Plug Set: MD 17260
TVD 7307

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 K55	54.5	0	379		500		0	
12.250	9.625 L80	40.0	0	2530	1957	1025		0	
8.750	5.500 P110	17.0	0	17460		3300		180	

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	6851	6841						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7569	17210	7569 TO 17210	0.430	1152	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7569 TO 17210	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
06/20/2017	06/20/2017	24	→	230.0	250.0	1244.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	775	625.0	→	230	250	1244		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
SI			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #381068 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
BELL CANYON	1989	2868		RUSTLER	258
CHERRY CANYON	2869	3934		TOS	384
BRUSHY CANYON	3935	5510		BOS	1755
BONE SPRING LM	5511	6477		BELL CANYON	1989
1ST BONE SPRING	6478	7179		CHERRY CANYON	2869
2ND BONE SPRING	7180	7395		BRUSHY CANYON	3935
				BONE SPRING LM	5511
				1ST BONE SPRING	6478

32. Additional remarks (include plugging procedure):
Survey, perms & stimulation are attached.

Additional Tops:
2nd Bone Spring 7180'

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 #381068 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title PREPARER

Signature _____ (Electronic Submission) Date 07/12/2017

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

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

ROAD RUNNER FEDERAL COM #1H (30-015-43133)

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
1	1512	459890	382788
2	3024	454440	391020
3	3024	468240	394758
4	3024	450670	389256
5	3024	446170	444150
6	3024	465180	386064
7	3024	458270	450870
8	3024	461240	391062
9	3024	461090	379596
10	3024	449320	376194
11	3024	445830	379260
12	3024	452610	371364
13	3024	446060	380016
14	3024	459480	385560
15	3024	450940	380646
16	3024	471360	470190
17	3024	448960	374178
18	3024	449220	369432
19	3024	445670	369012
20	3024	456530	370692
21	3024	460920	383838
22	3024	448960	370944
23	3024	456310	365484
24	3024	464260	369600
25	3024	457400	365862
26	3024	451670	369474
27	3024	452510	365904
28	3024	458010	369222
29	3024	462930	369306
30	3024	457880	367374
31	3024	432530	359772
32	3024	450160	357714
Totals	95,256	14,554,710	12,250,602

ROAD RUNNER FEDERAL COM #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
		17,210	101	14	16,908	101	14	16,601	102	14	16,297	101	14	15,992	102
	17,109	102	12	16,804	101	12	16,500	102	12	16,195	101	12	15,891	102	12
	17,007		10	16,703		10	16,398		10	16,094		10	15,789		10
	Plug to Plug	304	36	Plug to Plug	304	36	Plug to Plug	305	36	Plug to Plug	294	36	Plug to Plug	315	36
	Frac Plug	17,260	Total Shots	Frac Plug	16,958	Total Shots	Frac Plug	16,652	Total Shots	Frac Plug	16,347	Total Shots	Frac Plug	16,053	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
		15,688	101	14	15,383	102	14	15,079	101	14	14,772	106	14	14,470	101
	15,582	97	12	15,282	102	12	14,977	99	12	14,673	102	12	14,364	97	12
	15,485		10	15,180		10	14,878		10	14,571		10	14,267		10
	Plug to Plug	304	36	Plug to Plug	298	36	Plug to Plug	352	36	Plug to Plug	265	36	Plug to Plug	301	36
	Frac Plug	15,738	Total Shots	Frac Plug	15,434	Total Shots	Frac Plug	15,138	Total Shots	Frac Plug	14,786	Total Shots	Frac Plug	14,521	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
		14,165	102	14	13,861	102	14	13,557	101	14	13,252	102	14	12,948	101
	14,064	101	12	13,760	102	12	13,455	101	12	13,151	102	12	12,846	101	12
	13,963		10	13,658		10	13,354		10	13,049		10	12,745		10
	Plug to Plug	312	36	Plug to Plug	301	36	Plug to Plug	304	36	Plug to Plug	305	36	Plug to Plug	304	36
	Frac Plug	14,220	Total Shots	Frac Plug	13,908	Total Shots	Frac Plug	13,607	Total Shots	Frac Plug	13,303	Total Shots	Frac Plug	12,998	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
		12,843	102	14	12,339	101	14	12,034	102	14	11,730	101	14	11,425	101
	12,642	102	12	12,237	101	12	11,933	102	12	11,628	102	12	11,324	106	12
	12,440		10	12,136		10	11,831		10	11,526		10	11,218		10
	Plug to Plug	300	36	Plug to Plug	309	36	Plug to Plug	304	36	Plug to Plug	305	36	Plug to Plug	304	36
	Frac Plug	12,894	Total Shots	Frac Plug	12,394	Total Shots	Frac Plug	12,085	Total Shots	Frac Plug	11,781	Total Shots	Frac Plug	11,478	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
		11,121	97	14	10,817	101	14	10,512	102	14	10,208	101	14	9,903	99
	11,019	101	12	10,715	101	12	10,411	102	12	10,106	104	12	9,806	106	12
	10,918		10	10,614		10	10,309		10	10,002		10	9,700		10
	Plug to Plug	311	36	Plug to Plug	293	36	Plug to Plug	321	36	Plug to Plug	293	36	Plug to Plug	305	36
	Frac Plug	11,172	Total Shots	Frac Plug	10,861	Total Shots	Frac Plug	10,568	Total Shots	Frac Plug	10,247	Total Shots	Frac Plug	9,954	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
		9,599	101	14	9,289	107	14	8,990	101	14	8,685	102	14	8,381	101
	9,497	101	12	9,193	102	12	8,889	101	12	8,584	102	12	8,279	102	12
	9,398		10	9,091		10	8,787		10	8,482		10	8,177		10
	Plug to Plug	304	36	Plug to Plug	295	36	Plug to Plug	314	36	Plug to Plug	304	36	Plug to Plug	305	36
	Frac Plug	9,648	Total Shots	Frac Plug	9,345	Total Shots	Frac Plug	9,050	Total Shots	Frac Plug	8,738	Total Shots	Frac Plug	8,432	Total Shots

From Bottom to Top	Stage 31	Distance Between Perfs	Shots	Stage 32	Distance Between Perfs	Shots	Stage 33	Distance Between Perfs	Shots	Stage 34	Distance Between Perfs	Shots	Stage 35	Distance Between Perfs	Shots
		8,076	101	14	7,772	101	14	7,569			0			0	
	7,975	102	12	7,671	102	12									
	7,873		10	7,569		10									
	Plug to Plug	304	36	Plug to Plug	7823	36	Plug to Plug	0	0	Plug to Plug	0	0	Plug to Plug	0	0
	Frac Plug	8,127	Total Shots	Frac Plug	7,823	Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots	Frac Plug		Total Shots

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

5. Lease Serial No.
NMNM109748

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

8. Well Name and No.
ROAD RUNNER FEDERAL COM 1H

9. API Well No.
30-015-43133

10. Field and Pool or Exploratory Area
COTTONWOOD DRAW; BS

11. County or Parish, State
EDDY COUNTY, NM

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 WEST MAIN
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 25 T25S R26E Mer NMP SESE 190FSL 380FEL

12. CHECK THE 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"/> Hydraulic Fracturing	<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 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.

4/7/17 to 4/9/17 Test csg to 8500# for 30 mins. Good test. Drilled FC, FS and 5' new formation.

4/12/17 to 4/26/17 Test annulus to 1500# for 30 mins. Good test. Ran CBL. TOC @ 180'. Set CBP @ 17260' & test to 8498#. Good test. Perf 7569-17210' (1152). Acdz w/95,256 gal 7 1/2% frac w/14,554,710# sand & 12,250,602 gal fluid.

5/13/17 to 5/15/17 Drilled out CFP's. Clean down to CBP @ 17260'.

5/17/17 Set 2 7/8" 6.5# L-80 tbg @ 6851' & pkr @ 6841'. Installed gas-lift system. SI to build tank battery.

6/19/17 Began flowing back & testing.

BC 7-18-17
Accepted for record - NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 14 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #381071 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 07/12/2017

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 _____

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 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 ****

✓ **Additional data for EC transaction #381071 that would not fit on the form**

32. Additional remarks, continued

6/20/17 Date of first production.