

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM112907

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: AMANDA AVERY  
E-Mail: aavery@concho.com

8. Lease Name and Well No.  
ROADRUNNER FEDERAL COM 13Y

3. Address 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 575-748-6940

9. API Well No.  
30-015-44993-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 25 T25S R26E Mer NMP  
At surface SESW 180FSL 2025FWL 32.094042 N Lat, 104.248573 W Lon  
At top prod interval reported below SESW 180FSL 2025FWL 32.094042 N Lat, 104.248573 W Lon  
Sec 25 T25S R26E Mer NMP  
At total depth NENW 221FNL 1865FWL 32.122065 N Lat, 104.248924 W Lon

10. Field and Pool, or Exploratory  
COTTONWOOD DRAW-BONE SPRING

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  
06/07/2018 15. Date T.D. Reached  
06/22/2018 RR  
6-20-18 6-22-18 16. Date Completed  
 D & A  Ready to Prod.  
09/24/2018

17. Elevations (DF, KB, RT, GL)\*  
Compsse

18. Total Depth: MD 17664 TVD 727-7766 19. Plug Back T.D.: MD 17664 TVD 727-17665 20. Depth Bridge Plug Set: MD 17664 TVD 727-17665

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	250		350		0	
12.250	9.625 J55	40.0	0	2399		1050		0	
8.750	5.500 P110	17.0	0	17664		3555		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	7118	7108 7885						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7880	17530	7880 TO 17530		1620	
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7880 TO 17530	SEE ATTACHED

JAN 10 2019  
DISTRICT II-ARTESIA O.C.D.

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
09/24/2018	09/25/2018	24	→	656.0	2073.0	2661.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	SI	675	→	656	2073	2661			

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

ACCEPTED FOR RECORD  
DEC 15 2018  
Dinah Heggen  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #446563 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Reclamation Due: 3/24/2019

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
TOP SALT	311			TOP SALT	311
BOTTOM SALT	1726			BOTTOM SALT	1726
LAMAR	1922			LAMAR	1922
BELL CANYON	1966			BELL CANYON	1966
CHERRY CANYON	2817			CHERRY CANYON	2817
BRUSHY CANYON	3904			BRUSHY CANYON	3904
BONE SPRING 1ST	6428			BONE SPRING 1ST	6428
BONE SPRING 2ND	6950			BONE SPRING 2ND	6950

32. Additional remarks (include plugging procedure):

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 #446563 Verified by the BLM Well Information System.**  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by DINAH NEGRETE on 12/11/2018 (19DCN0014SE)

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE  
Signature \_\_\_\_\_ (Electronic Submission) Date 12/05/2018

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.

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. FIRST ST., ARTESIA, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 RIO BRAZOS RD., AZTEC, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505  
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-44993	Pool Code 97494	Pool Name Cottonwood Draw; Bone Spring
Property Code 316775	Property Name ROADRUNNER FEDERAL COM	Well Number 13Y
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3242.1'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	25	25-S	26-E		180	SOUTH	2025	WEST	EDDY

**Bottom Hole Location If Different From Surface**

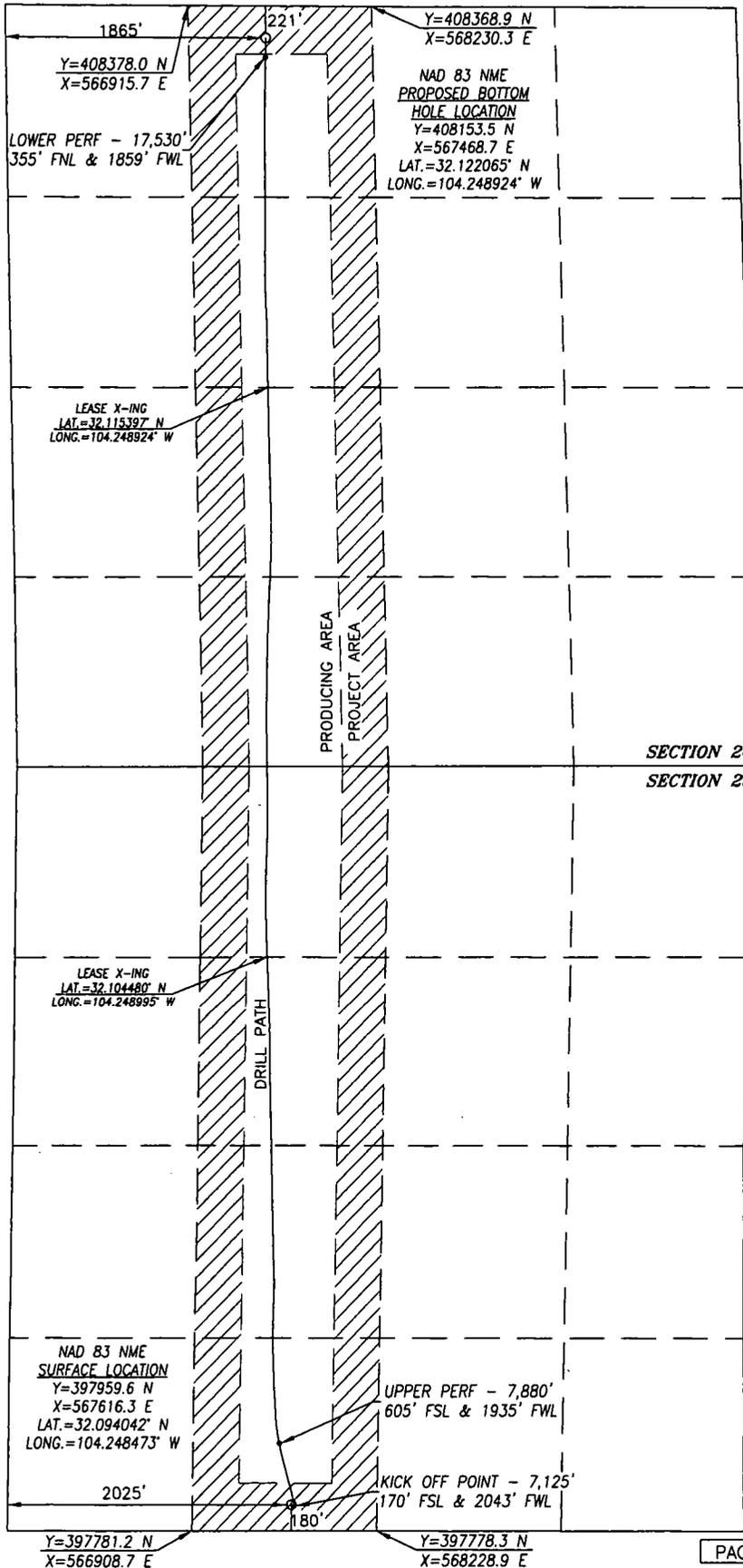
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	25-S	26-E		221	NORTH	1865	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

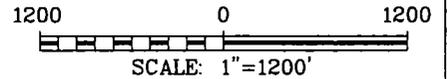
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code	Property Name <b>ROADRUNNER FEDERAL COM</b>	Well Number 13Y
OGRID No.	Operator Name <b>COG OPERATING, LLC</b>	Elevation 3242.1'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE ROADRUNNER FEDERAL COM #13Y SUPPLIED TO HARCROW SURVEYING, LLC ON NOVEMBER 9, 2018



**OPERATOR CERTIFICATION**

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

12/4/18  
Date

Signature  
Amanda Avery  
Printed Name

aavery@concho.com  
E-mail Address

**SURVEYOR CERTIFICATION**

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.

MAY 16, 2018/JUNE 21, 2018  
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

Chad Harcrow 12/4/18  
Certificate No. CHAD HARCROW 17777  
W.O. # 18-1534 DRAWN BY: AM