

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 3H

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

9. API Well No. 30-015-44862-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 25 T25S R26E Mer NMP SESW 210FSL 1995FWL 32.094125 N Lat, 104.248568 W Lon
At top prod interval reported below Sec 25 T25S R26E Mer NMP SESW 210FSL 1995FWL 32.094125 N Lat, 104.248568 W Lon
At total depth Sec 24 T25S R26E Mer NMP NENW 210FNL 1868FWL 32.122094 N Lat, 104.248913 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 05/08/2018 15. Date T.D. Reached 06/04/2018 16. Date Completed D & A Ready to Prod. 09/22/2018

17. Elevations (DF, KB, RT, GL)* 3241 GL

18. Total Depth: MD 17268 TVD 7360 19. Plug Back T.D.: MD 17133 TVD 7360 20. Depth Bridge Plug Set: MD 17133 TVD 7360

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 3241 GL

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	253		350		0	
12.250	9.625 J55	40.0	0	2375		1050		0	
8.750	5.500 P110	17.0	0	17248		3500		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	6754	6737						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7594	17123	7594 TO 17123		1590	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7594 TO 17123	SEE ATTACHED

RECEIVED
AUG 21 2019

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
09/22/2018	09/22/2018	24	→	432.0	812.0	2218.0			DISTRICT/ARTESIA/O.C.D.
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
40/64	SI	650	→	432	812	2218		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #446388 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED **

Reclamation Due: 3/22/2019

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	302			TOP SALT	302
BASE OF SALT	1705			BASE OF SALT	1705
LAMAR	1898			LAMAR	1898
BELL CANYON	1941			BELL CANYON	1941
CHERRY CANYON	2800			CHERRY CANYON	2800
BRUSHY CANYON	2873			BRUSHY CANYON	2873
BONE SPRING	5479			BONE SPRING	5479
BONE SPRING 1ST	6412			BONE SPRING 1ST	6412

32. Additional remarks (include plugging procedure):

SBSG 6833 SBSG 6833
SBSG Sand 7218 SBSG Sand 7218

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 #446388 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 02/11/2019 (19DCN0030SE)

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission) Date 12/04/2018

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.

DEC 12 2018

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 353-0720

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) 334-8178 Fax: (505) 334-8170

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, New Mexico 87505

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT
As Drilled

API Number 30-015-44862	Pool Code 97494	Pool Name Cottonwood Draw; Bone Spring (O)
Property Code 316775	Property Name ROADRUNNER FEDERAL COM	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3241.4'

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		210	SOUTH	1995	WEST	LEA

Bottom Hole Location If Different From Surface

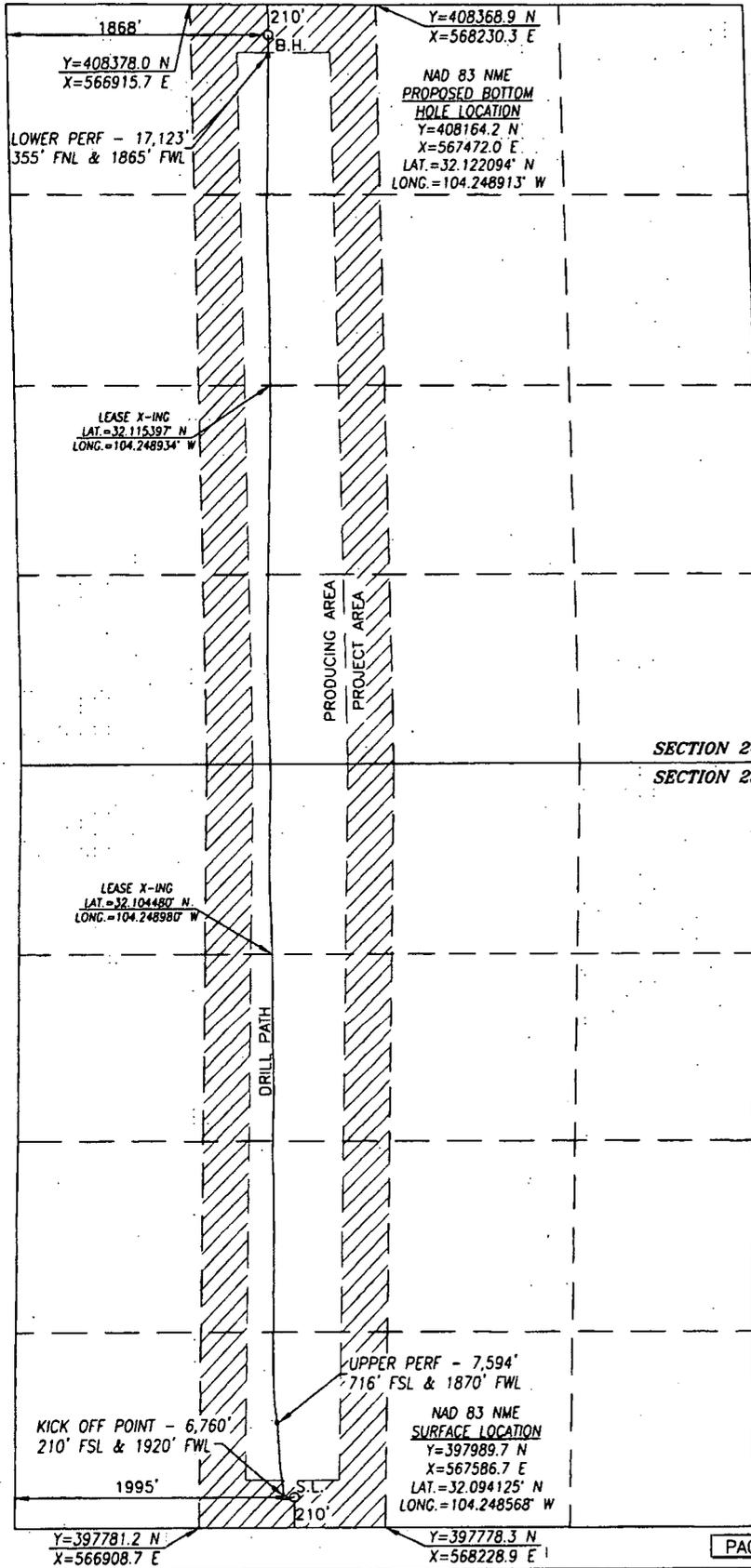
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	25-S	26-E		210	NORTH	1868	WEST	LEA

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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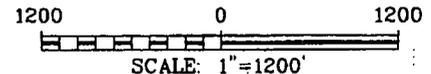
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code	Property Name ROADRUNNER FEDERAL COM	Well Number 3H
OGRID No.	Operator Name COG OPERATING, LLC	Elevation 3241.4'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE ROADRUNNER FEDERAL COM #38 SUPPLIED TO HARCROW SURVEYING, LLC ON NOVEMBER 7, 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.

Amanda Avery 12/04/18
Signature Date

Amanda Avery
Printed Name

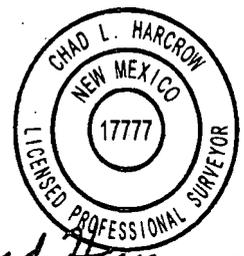
aavery@concho.com
E-mail Address

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.

OCT. 26, 2017/JUN. 7, 2018
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 12/4/18
Certificate No. CHAD HARCROW 17777