

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**1a. Type of Well** ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
**b. Type of Completion** ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Other

**2. Name of Operator** COG OPERATING LLC **Contact:** AMANDA AVERY  
E-Mail: aavery@concho.com

**3. Address** ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701-4287 **3a. Phone No. (include area code)**  
Ph: 575-748-6940

**4. Location of Well (Report location clearly and in accordance with Federal requirements)\***  
At surface Sec 33 T20S R34E Mer NMP SWSE 696FSL 2137FEL 32.524238 N Lat, 103.563575 W Lon  
At top prod interval reported below Sec 33 T20S R34E Mer NMP SWSE 696FSL 2137FEL 32.524238 N Lat, 103.563575 W Lon  
At total depth NWSE 2420FSL 1650FEL 32.543501 N Lat, 103.562019 W Lon

**5. Lease Serial No.** NMNM082  
**6. Indian, Allottee or Tribe Name**

**7. Unit or CA Agreement Name and No.**

**8. Lease Name and Well No.** LITTLE BEAR FEDERAL COM 7H

**9. API Well No.** 30-025-45103-00-S1

**10. Field and Pool, or Exploratory** WC-025 G-08 S203435D-WOLFCAMP

**11. Sec., T., R., M., or Block and Survey or Area** Sec 33 T20S R34E Mer NMP

**12. County or Parish** LEA **13. State** NM

**14. Date Spudded** 12/31/2018 **15. Date T.D. Reached** 01/29/2019 **16. Date Completed**  
☐ D & A ☒ Ready to Prod. 06/23/2019

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

**18. Total Depth:** MD 18617 TVD 11407 **19. Plug Back T.D.:** MD 18430 TVD 11407 **20. Depth Bridge Plug Set:** MD 18516 TVD 11407

**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
20.000	16.000 J55	84.0	0	1843		2070		0	
13.500	10.750 L80	45.5	0	5697	3808	3325		0	
9.875	7.625 L80	29.7	0	10919		1500		0	
6.750	5.500 P110	20.0	0	18617		1525		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	10403	10393						

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11710	18484	11710 TO 18484		1050	OPEN
B)						
C)						
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
11710 TO 18484	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
06/23/2019	06/23/2019	24	→	100.0	224.0	1683.0			GAS LIFT
Choke Size	Tbg. Press. Flwg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI 2200	1500.0	→	100	224	1683		PDW	

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

ACCEPTED FOR RECORD

SEP 15 2019

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #476651 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Reclamation Due: 12/23/2019

K2

## 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
RUSTLER	1735			RUSTLER	1735
TOP OF SALT	2129			TOP OF SALT	2129
BASE OF SALT	3470			BASE OF SALT	3470
BRUSHY CANYON	8435			BRUSHY CANYON	8435
BONE SPRING 2ND	8801			BONE SPRING 2ND	8801
BONE SPRING 1ST	9916			BONE SPRING 1ST	9916
BONE SPRING 3RD	11244			BONE SPRING 3RD	11244

32. Additional remarks (include plugging procedure):  
WOLFCAMP 11560

## 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 #476651 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH HAM on 08/29/2019 (19DMH0198SE)

Name (please print) AMANDA AVERYTitle AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission)

Date 08/05/2019

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 395-6161 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) 478-3460 Fax: (505) 478-3462

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

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-025-45103	Pool Code 98247	Pool Name WC-025 G-08 S203435D; WOLFCAMP
Property Code 322258	Property Name LITTLE BEAR FEDERAL COM	Well Number 7H
OGRI No. 229137	Operator Name COG OPERATING, LLC	Elevation 3806.0'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	33	20-S	34-E		696	SOUTH	2137	EAST	LEA

**Bottom Hole Location If Different From Surface**

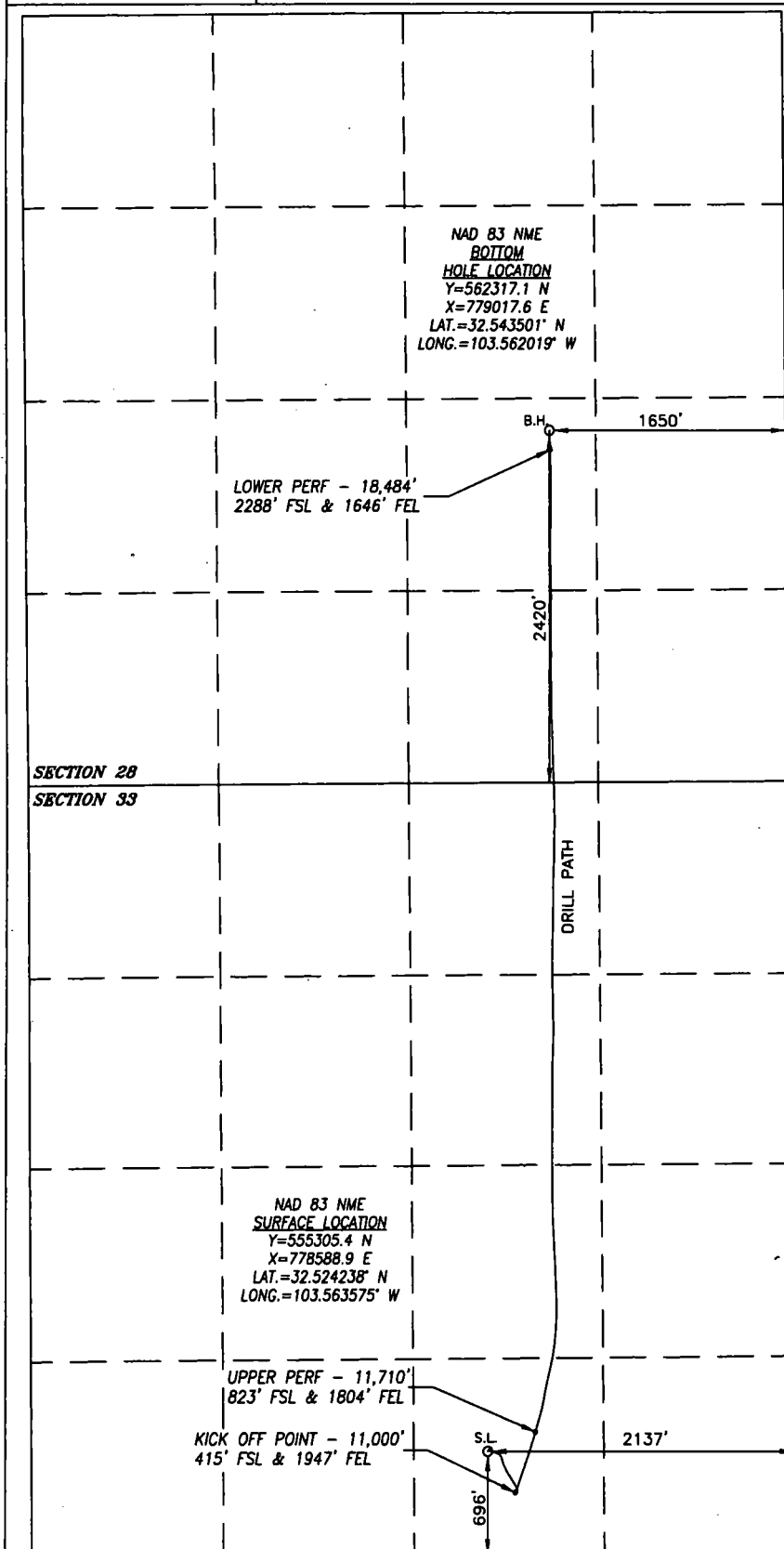
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	28	20-S	34-E		2420	SOUTH	1650	EAST	LEA

Dedicated Acres 240	Joint or Infill	Consolidation Code	Order No.
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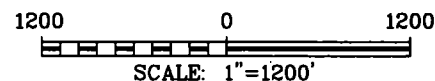
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 322258	Property Name LITTLE BEAR FEDERAL COM	Well Number 7H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3806.0'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLE BEAR FEDERAL COM #7H SUPPLIED TO HARCROW SURVEYING, LLC ON JULY 1, 2019



#### 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.

8/5/19

Signature

Date

Amanda Avery

Printed Name

aaavery@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.

JUNE 14, 2018/JAN. 2, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 7/22/19

Certificate No. CHAD HARCROW 17777