

SEP 23 2019

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM128368

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
Other \_\_\_\_\_

**RECEIVED**

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.  
LITTLE BEAR FEDERAL COM 5H

3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701-4287

3a. Phone No. (include area code)  
Ph: 575-748-6940

9. API Well No.  
30-025-45101-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
Sec 33 T20S R34E Mer NMP  
At surface SWSW 384FSL 1091FWL 32.523377 N Lat, 103.570299 W Lon  
Sec 33 T20S R34E Mer NMP  
At top prod interval reported below SWSW 384FSL 1091FWL 32.523377 N Lat, 103.570299 W Lon  
Sec 28 T20S R34E Mer NMP  
At total depth NWSW 2440FSL 341FWL 32.543563 N Lat, 103.572742 W Lon

10. Field and Pool, or Exploratory  
BERRY-BONE SPRING, NORTH

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  
09/23/2018

15. Date T.D. Reached  
10/22/2018

16. Date Completed  
 D & A  Ready to Prod.  
06/23/2019

17. Elevations (DF, KB, RT, GL)\*  
3808 GL

18. Total Depth: MD 18797  
TVD 11205

19. Plug Back T.D.: MD 17164  
TVD 11205

20. Depth Bridge Plug Set: MD 18715  
TVD 11205

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	1892		1350		0	
12.250	9.625 L80	40.0	0	5748	3755	3700		0	
8.750	5.500 P110	20.0	0	18779		3600		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	11140	11130						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11614	18690	11614 TO 18690		1072	OPEN - Bone Spring
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11614 TO 18690	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	→	92.0	146.0	1134.0			
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI 1450	1400.0	→	92	146	1134		POW	

ACCEPTED FOR RECORD

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		→						

SEP 14 2019  
Dinah Negrete  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #475991 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\*

Reclamation Due: 12/23/2019 *KZ*

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	1756			RUSTLER	1756
TOP OF SALT	2164			TOP OF SALT	2164
BASE OF SALT	3611			BASE OF SALT	3611
BONE SPRING 2ND	8811			BONE SPRING 2ND	8811
BONE SPRING 1ST	9938			BONE SPRING 1ST	9938
BONE SPRING 3RD	11264			BONE SPRING 3RD	11264

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 #475991 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 (19DMH0193SE)**

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature \_\_\_\_\_ (Electronic Submission) Date 07/31/2019

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 \*\***

DISTRICT I  
1825 N. FRENCH DR., HOBBS, NM 88240  
Phone: (575) 393-6181 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) 334-8178 Fax: (505) 334-8170

DISTRICT IV  
1820 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 30-025-45101		Pool Code 5535	Pool Name Berry; Bone Spring North
Property Code 322258	Property Name LITTLE BEAR FEDERAL COM		Well Number 5H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3807.5'

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	20-S	34-E		384	SOUTH	1091	WEST	LEA

**Bottom Hole Location If Different From Surface**

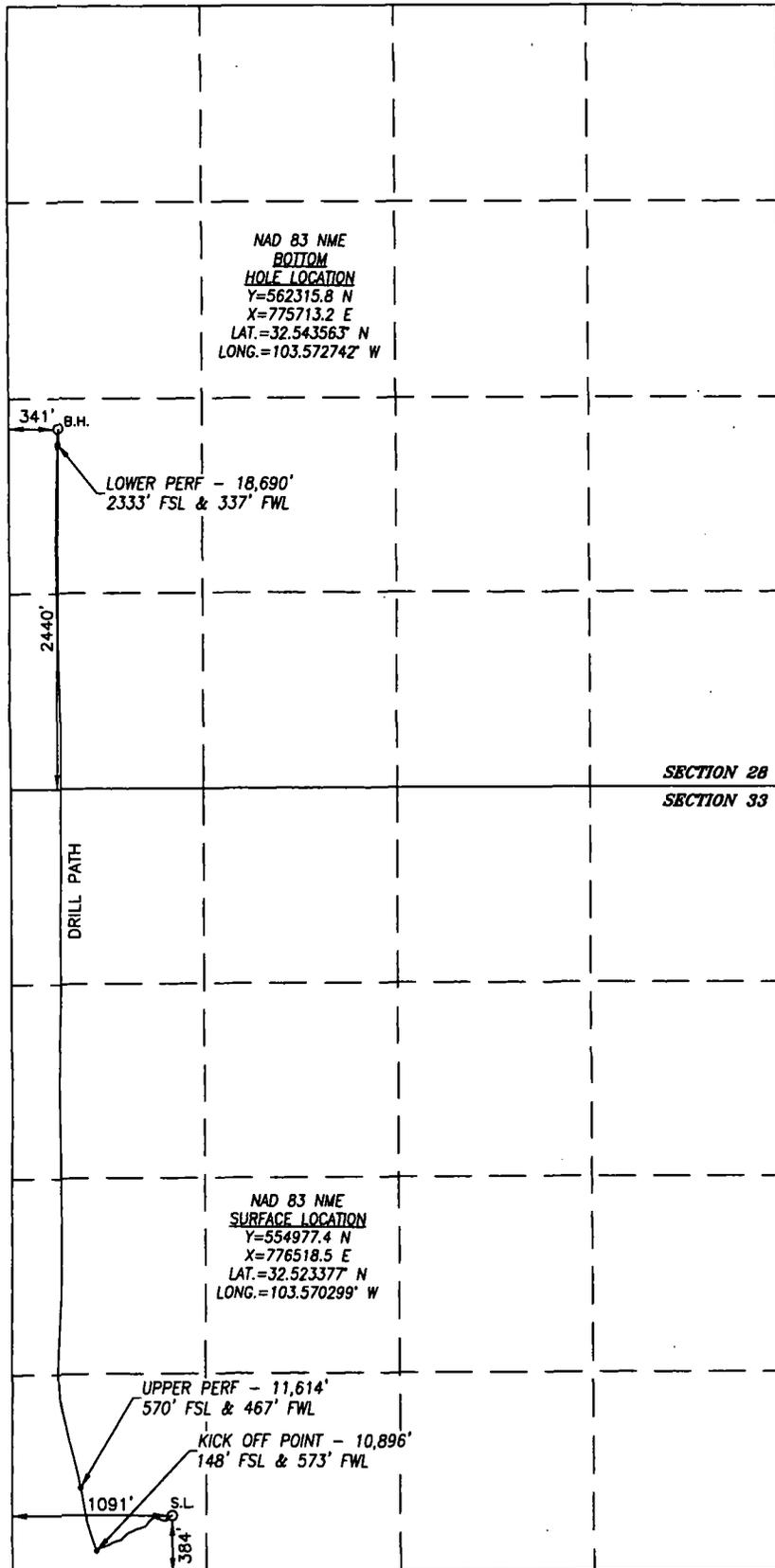
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	28	20-S	34-E		2440	SOUTH	341	WEST	LEA

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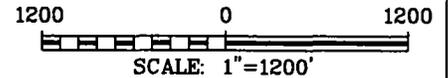
**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

SEE PAGE 2

Property Code 3322258	Property Name LITTLE BEAR FEDERAL COM	Well Number 5H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3807.5'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLE BEAR FEDERAL COM #5H 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.

7/30/19

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.

FEB. 14, 2018/OCT. 23, 2018

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 7/22/19  
Certificate No. CHAD HARCROW 17777