

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OGD
HOBBS
OCD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

SEP 23 2019

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. Rev. 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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LITTLE BEAR FEDERAL COM 9H

9. API Well No.
30-025-45105-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SWSW 384FSL 1121FEL 32.523378 N Lat, 103.570202 W Lon
Sec 33 T20S R34E Mer NMP
At top prod interval reported below SWSW 384FSL 1121FEL 32.523378 N Lat, 103.570202 W Lon
Sec 28 T20S R34E Mer NMP
At total depth NWSW 2440FSL 998FWL 32.543561 N Lat, 103.570607 W Lon

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
11/26/2018

15. Date T.D. Reached
12/27/2018

16. Date Completed
 D & A Ready to Prod.
06/20/2019

17. Elevations (DF, KB, RT, GL)*
3805 GL

18. Total Depth: MD 18868 TVD 11407

19. Plug Back T.D.: MD 18789 TVD 11407

20. Depth Bridge Plug Set: MD 18789 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	16.000 J55	84.0	0	1888		1760		0	
13.500	10.750 L80	45.5	0	5739	3791	4075		0	
9.875	7.625 L80	29.7	0	10930		1600		0	
6.750	5.500 P110	20.0	0	18855		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	10579	10569						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11744	18770	11744 TO 18770		1080	OPEN - Wolfcamp
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11744 TO 18770	SEE ATTACHED INFORMATION

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
06/20/2019	06/20/2019	24	→	83.0	9.0	1908.0			POW
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
24/64	SI	1500.0	→	83	9	1908		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		→						

ACCEPTED FOR RECORD
SEP 14 2019
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #477548 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED **

Reclamation Due: 12/20/2019

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	1754			RUSTLER	1754
TOP OF SALT	2163			TOP OF SALT	2163
BASE OF SALT	3597			BASE OF SALT	3597
BRUSHY CANYON	8440			BRUSHY CANYON	8440
BONE SPRING 2ND	8808			BONE SPRING 2ND	8808
BONE SPRING 1ST	9912			BONE SPRING 1ST	9912
BONE SPRING 3RD	11236			BONE SPRING 3RD	11236

32. Additional remarks (include plugging procedure):
WOLFCAMP 11574

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 #477548 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 (19DMH019SSE)

Name (please print) AMANDA AVERY Title AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission) Date 08/12/2019

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) 393-6161 Fax: (575) 393-0720

DISTRICT II
511 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 746-1283 Fax: (575) 746-8720

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) 476-3460 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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45105		Pool Code 98247	Pool Name WC-025 G-08 S203435D; WOLFCAMP
Property Code 322258	Property Name LITTLE BEAR FEDERAL COM		Well Number 9H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3804.5'

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	1121	WEST	LEA

Bottom Hole Location If Different From Surface

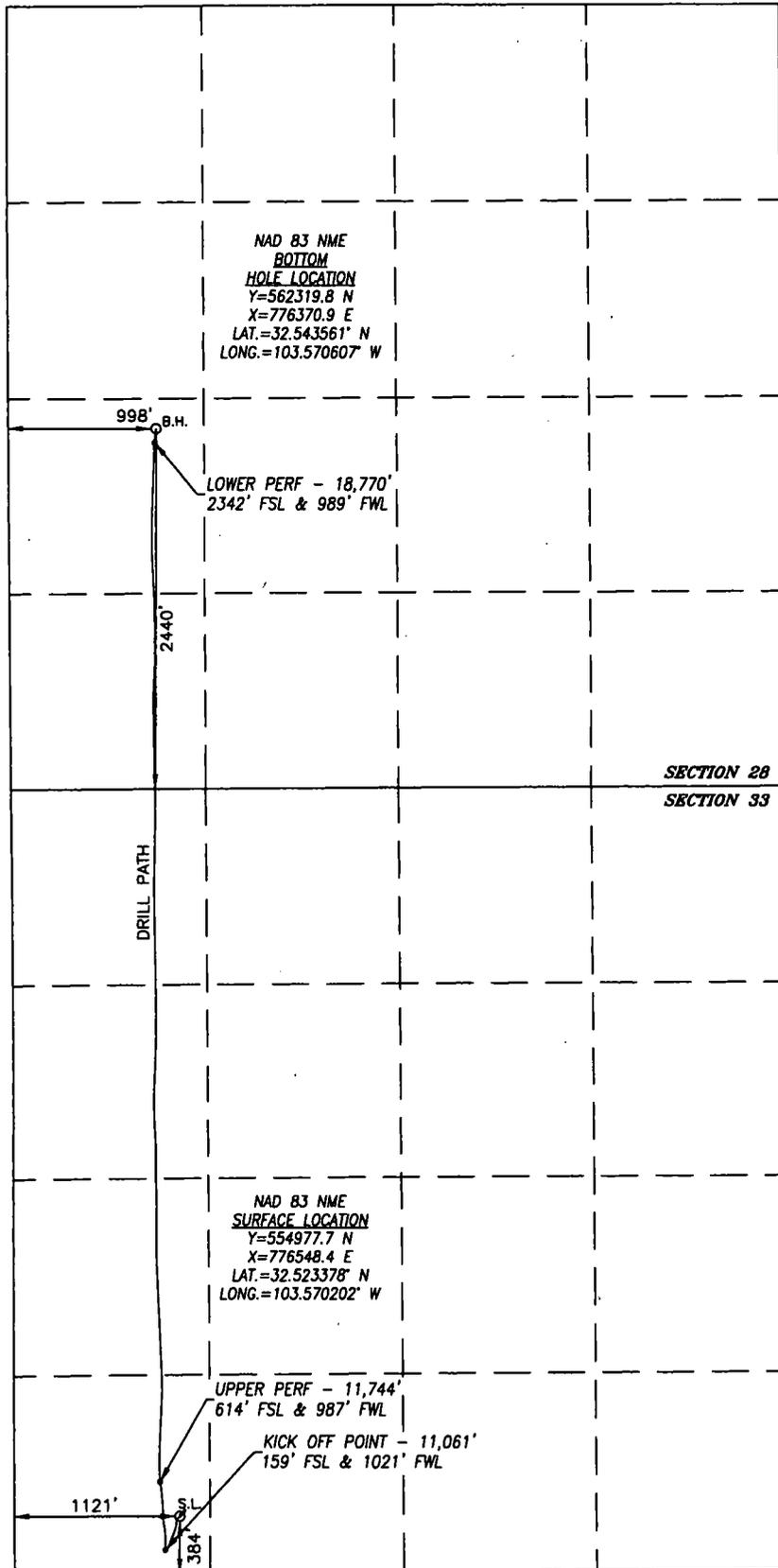
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	28	20-S	34-E		2440	SOUTH	998	WEST	LEA

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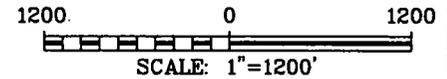
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

SEE PAGE 2

Property Code 322258	Property Name LITTLE BEAR FEDERAL COM	Well Number 9H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3804.5'



BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE LITTLE BEAR FEDERAL COM #9H SUPPLIED TO HARCROW SURVEYING, LLC ON JULY 2, 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.

8/9/19
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.

FEB. 14, 2018/DEC. 27, 2018
Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor

