

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | | | | | |
|--|--|---|--|--|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | | 6. If Indian, Allottee or Tribe Name | | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____ | | | 7. Unit or CA Agreement Name and No. NMNM138710 | | |
| 2. Name of Operator COG OPERATING LLC | | | 8. Lease Name and Well No. LITTLEFIELD 33 FEDERAL COM 707H | | |
| 3. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701 | | | 9. API Well No. 30-015-45164-00-S1 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 33 T26S R29E Mer NMP At surface Lot 9 250FSL 811FWL 32.000803 N Lat, 103.995580 W Lon Sec 33 T26S R29E Mer NMP At top prod interval reported below Lot 9 250FSL 811FWL 32.000803 N Lat, 103.995580 W Lon Sec 28 T26S R29E Mer NMP At total depth NWNW 210FNL 968FWL 32.002057 N Lat, 103.994788 W Lon | | | 10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS) | | |
| 14. Date Spudded 10/31/2018 | | | 15. Date T.D. Reached 12/09/2018 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/22/2019 | | | 17. Elevations (DF, KB, RT, GL)* 2863 GL | | |
| 18. Total Depth: MD 17175 TVD 10050 | | 19. Plug Back T.D.: MD 16998 TVD 10050 | | 20. Depth Bridge Plug Set: MD 17093 TVD 10050 | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) | | | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 14.750 | 10.750 L80 | 45.5 | 0 | 590 | | 750 | | 0 | |
| 9.875 | 7.625 L80 | 29.7 | 0 | 9322 | 2707 | 2594 | | 0 | |
| 6.750 | 5.500 P110 | 23.0 | 0 | 17165 | | 1583 | | 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 | 9385 | 9375 | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|-------------|-------|--------|---------------------|------|-----------|--------------|
| A) WOLFCAMP | 10117 | 17004 | 10117 TO 17004 | | 1248 | OPEN |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 10117 TO 17004 | 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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 05/22/2019 | 05/22/2019 | 24 | → | 308.0 | 2650.0 | 2642.0 | | | GAS LIFT |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 24/64 | SI 2700 | 2800.0 | → | 308 | 2650 | 2642 | | PSW | |

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 - 1 2019
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #470384 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Reclamation Due: 11/22/2019

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 |
|------------------|------|--------|------------------------------|------------------|--------------------|
| LAMAR | 2703 | | | LAMAR | 2703 |
| BELL CANYON | 2763 | | | BELL CANYON | 2763 |
| CHERRY CANYON | 3631 | | | CHERRY CANYON | 3631 |
| BRUSHY CANYON | 4916 | | | BRUSHY CANYON | 4916 |
| BONE SPRING LIME | 6466 | | | BONE SPRING LIME | 6466 |
| BONE SPRING 1ST | 7380 | | | BONE SPRING 1ST | 7380 |
| BONE SPRING 2ND | 8196 | | | BONE SPRING 2ND | 8196 |
| BONE SPRING 3RD | 9247 | | | BONE SPRING 3RD | 9247 |

32. Additional remarks (include plugging procedure):
WOLFCAMP 9597

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 #470384 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH HAM on 07/02/2019 (19DMH0083SE)

Name (please print) AMANDA AVERY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/24/2019

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 ** 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) 334-6178 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 30-015-45164 | Pool Code 98220 | Pool Name Purple Sage; Wolfcamp (Gas) |
| Property Code 322243 | Property Name LITTLEFIELD 33 FEDERAL COM | Well Number 707H |
| OGRID No. 229137 | Operator Name COG OPERATING, LLC | Elevation 2863.4' |

Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 9 | 33 | 26-S | 29-E | | 250 | SOUTH | 811 | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D | 28 | 26-S | 29-E | | 210 | NORTH | 968 | WEST | EDDY |

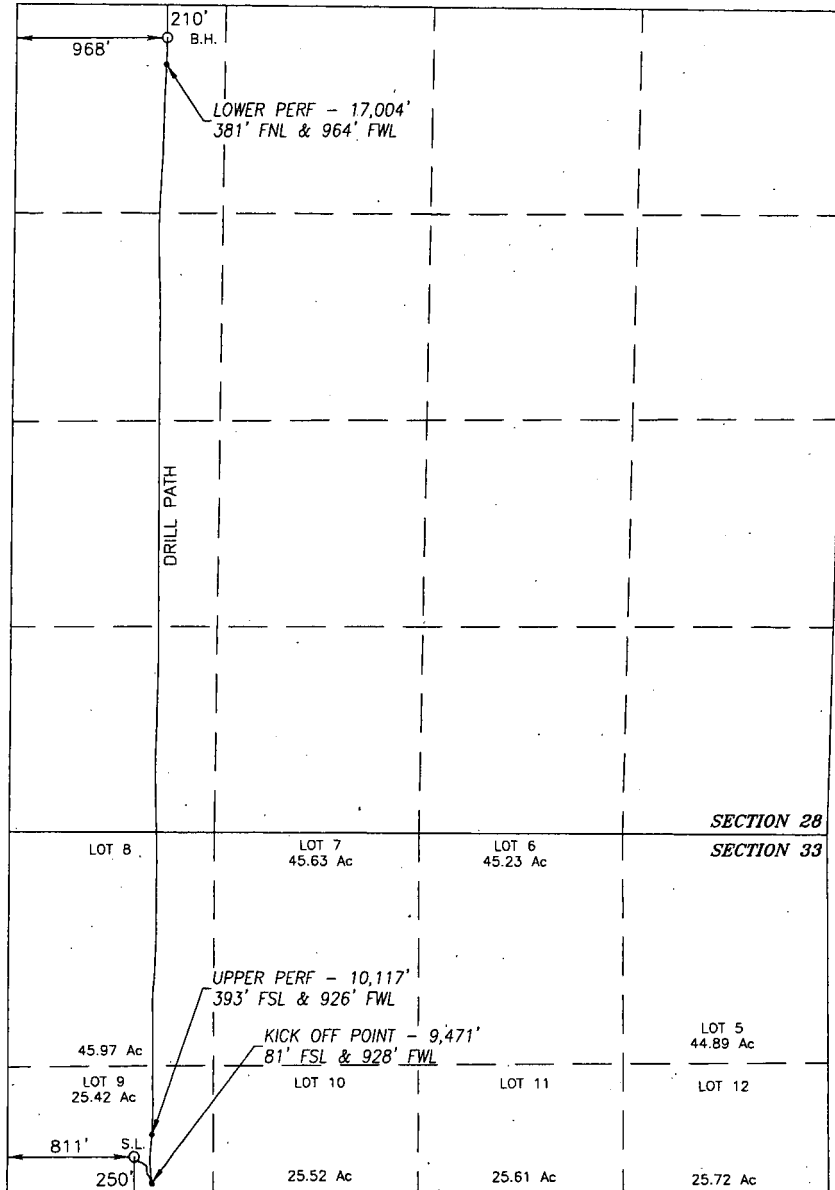
| | | | |
|---------------------------|-----------------|--------------------|-----------|
| Dedicated Acres 463.13 | Joint or Infill | Consolidation Code | Order No. |
|---------------------------|-----------------|--------------------|-----------|

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 322243 | Property Name LITTLEFIELD 33 FEDERAL COM | Well Number 707H |
| OGRID No. 229137 | Operator Name COG OPERATING, LLC | Elevation 2863.4' |

NAD 83 NME
BOTTOM
HOLE LOCATION
Y=371389.6 N
X=646259.4 E
LAT.=32.0020578° N
LONG.=103.994788° W



NAD 83 NME
SURFACE LOCATION
Y=364195.2 N
X=646036.3 E
LAT.=32.000803° N
LONG.=103.995580° W

BOREPATH SHOWN HEREON IS BASED ON
DIRECTIONAL SURVEY REPORT PROVIDED BY
COG OPERATING, LLC FOR THE LITTLEFIELD 33
FEDERAL COM #707H SUPPLIED TO HARCROW
SURVEYING, LLC ON MAY 23, 2019

1200 0 1200
SCALE: 1"=1200'

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.

6/24/19

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.

SEPT. 12, 2018/DEC. 26, 2018

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 5/30/19

Certificate No. CHAD HARCROW 17777