

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | |
|---------------------|------------|
| 5. Lease Serial No. | NMNM136223 |
|---------------------|------------|

| | | | | | | | |
|---|--|-------------------------------------|--|--|--|--|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 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 _____ | | | | | | 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. PITCHBLEND FED 19-30 358H | |
| 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. 30-025-45658-00-S1 | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 19 T25S R35E Mer NMP NENE 450FNL 660FEL 32.121914 N Lat, 103.400227 W Lon Sec 19 T25S R35E Mer NMP At top prod interval reported below NENE 450FNL 610FEL 32.121913 N Lat, 103.400065 W Lon Sec 30 T25S R35E Mer NMP At total depth Lot H 2569FNL 726FEL 32.101573 N Lat, 103.400418 W Lon | | | | | | 10. Field and Pool, or Exploratory WILDCAT BONE SPRING UNKNOWN | |
| | | | | | | 11. Sec., T., R., M., or Block and Survey or Area Sec 19 T25S R35E Mer NMP | |
| | | | | | | 12. County or Parish LEA | |
| | | | | | | 13. State NM | |
| 14. Date Spudded 01/08/2020 | | 15. Date T.D. Reached 03/13/2020 | | 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/25/2020 | | 17. Elevations (DF, KB, RT, GL)* 3330 GL | |
| 18. Total Depth: | | 19. Plug Back T.D.: | | 20. Depth Bridge Plug Set: | | | |
| MD 19975 TVD 12411 | | MD 19890 TVD 12411 | | MD 19890 TVD 12411 | | | |
| 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)

[illegible]

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 | 11566 | 11556 | | | | | | |

25. Producing Intervals

| 23. Perforating Intervals | | | 24. Perforation Record | | | |
|---------------------------|-------|--------|------------------------|------|-----------|--------------|
| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
| A) BONE SPRING 2ND | | | 12580 TO 19865 | | | OPEN |
| B) BONE SPRING | 12580 | 19865 | | | | |
| C) | | | | | | |
| D) | | | | | | |



26. Perforation Record

| 23. Perforating Intervals | | | 24. Perforation Record | | | |
|---------------------------|-------|--------|------------------------|------|-----------|--------------|
| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
| A) BONE SPRING 2ND | | | 12580 TO 19865 | | | OPEN |
| B) BONE SPRING | 12580 | 19865 | | | | |
| C) | | | | | | |
| D) | | | | | | |



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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 12580 TO 19865 | 45448 7/2%; 14,722,290#SAND; 14,245,094 GAL FLUID |
| | |
| | |
| | |

28. Production - Interval A

| | | | | | | | | | |
|-----------------------------------|---------------------------------|-----------------------|--|------------------|-------------------|---------------------|--------------------------|--------------------|-------------------------------|
| Date First Produced 11/14/2020 | Test Date 11/14/2020 | Hours Tested 24 | Test Production  | Oil BBL 818.0 | Gas MCF 1389.0 | Water BBL 3782.0 | Oil Gravity Corr. API | Gas Gravity | Production Method GAS LIFT |
| Choke Size 20/64 | Tbg. Press. Flwg. 2526 SI | Csg. Press. 3471.0 | 24 Hr. Rate  | Oil BBL 818 | Gas MCF 1389 | Water BBL 3782 | Gas:Oil Ratio 2 | Well Status 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 |
| 11/14/2020 | 11/14/2020 | 24 |  | 818.0 | 1389.0 | 3782.0 | | | GAS LIFT |
| Choke Size | Tbg. Press. Flwg. 2526 | Csg. Press. 3471.0 | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 20/64 | SI | |  | 818 | 1389 | 3782 | | POW | |

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

ELECTRONIC SUBMISSION #539000 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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 | 931 | | | RUSTLER | 931 |
| TOP OF SALT | 1452 | | | TOP OF SALT | 1452 |
| BASE OF SALT | 5164 | | | BASE OF SALT | 5164 |
| LAMAR | 5457 | | | LAMAR | 5457 |
| BELL CANYON | 5482 | | | BELL CANYON | 5482 |
| CHERRY CANYON | 6441 | | | CHERRY CANYON | 6441 |
| BRUSHY CANYON | 7975 | | | BRUSHY CANYON | 7975 |
| BRUSHY CANYON A | 9102 | | | BRUSHY CANYON A | 9102 |
| BONE SPRING LIME | 9286 | | | BONE SPRING LIME | 9286 |
| AVALON | 9671 | | | AVALON | 9671 |
| BONE SPRING 1ST | 10452 | | | BONE SPRING 1ST | 10452 |
| BONE SPRING 2ND | 10969 | | | BONE SPRING 2ND | 10969 |
| BONE SPRING 3RD | 12092 | | | BONE SPRING 3RD | 12092 |

32. Additional remarks (include plugging procedure):

BONE SPRING LIMESTONE 9286
 AVALON M 9671
 AVALON L 10067
 FIRST BONE SPRING 10452
 FIRST BONE SPRING SHALE 10624
 SECOND BONE SPRING 10969
 SECOND BONE SPRING BASE 11508
 THIRD BONE SPRING 12092

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 #539000 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH HAM on 12/12/2020 (21DMH0038SE)

Name(*please print*) AMANDA AVERY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/02/2020

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 ****

Additional data for transaction #539000 that would not fit on the form

32. Additional remarks, continued

V SAND 12321
THIRD BONE SPRING W 12536

Revisions to Operator-Submitted EC Data for Well Completion #539000

| | Operator Submitted | BLM Revised (AFMSS) |
|-----------------------------------|---|--|
| Lease: | NMNM136223 | NMNM136223 |
| Agreement: | | |
| Operator: | COG OPERATING LLC 2208 W MAIN STREET ARTESIA, NM 88210 Ph: 575-748-6940 | COG OPERATING LLC ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287 Ph: 432.685.4342 |
| Admin Contact: | AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940 | AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940 |
| Tech Contact: | AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940 | AMANDA AVERY REGULATORY ANALYST E-Mail: aavery@concho.com Ph: 575-748-6940 |
| Well Name: Number: | PTICHBLENDE 19 30 FEDERAL 358H | PITCHBLENDE FED 19-30 358H |
| Location: | | |
| State: | NM | NM |
| County: | LEA | LEA |
| S/T/R: | Sec 19 T25S R35E Mer NMP | Sec 19 T25S R35E Mer NMP |
| Surf Loc: | Lot A 450FNL 610FEL 32.121913 N Lat, 103.400065 W Lon | Lot A 450FNL 660FEL 32.121914 N Lat, 103.400227 W Lon |
| Field/Pool: | FAIRVIEW MILLS; BONE SPRI | WILDCAT BONE SPRING |
| Logs Run: | | |
| Producing Intervals - Formations: | BONE SPRING | BONE SPRING 2ND BONE SPRING |
| Porous Zones: | RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A | RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A BONE SPRING LIME AVALON BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD |
| Markers: | RUSTLER TOP OF SALT BOTTOM OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A | RUSTLER TOP OF SALT BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BRUSHY CANYON A BONE SPRING LIME AVALON BONE SPRING 1ST BONE SPRING 2ND BONE SPRING 3RD |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 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) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 13876

CONDITIONS OF APPROVAL

| | | | | | | | | | |
|--------------|-------------------|--------------------|------------------|--------|--------|----------------|-------|--------------|-------|
| Operator: | COG OPERATING LLC | 600 W Illinois Ave | Midland, TX79701 | OGRID: | 229137 | Action Number: | 13876 | Action Type: | C-105 |
| OCD Reviewer | Condition | | | | | | | | |
| plmartinez | None | | | | | | | | |