

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

State of New Mexico
Energy, Minerals & Natural Resources

Revised August 1, 2011

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office
RECEIVED ☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | |
|--|---|--|
| ¹ Operator name and Address COG Operating LLC 2208 W Main Street Artesia NM 88210 | | ² OGRID Number 229137 |
| | | ³ Reason for Filing Code/ Effective Date NW |
| ⁴ API Number 30 - 015-42323 | ⁵ Pool Name Parkway; Bone Spring | ⁶ Pool Code 49622 |
| ⁷ Property Code 40507 | ⁸ Property Name Crapshoot 13 Federal | ⁹ Well Number 1H |

II. ¹⁰ Surface Location

| Ul or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|-------------|
| A | 24 | 20S | 29E | | 230 | North | 1040 | East | Eddy |

¹¹ Bottom Hole Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|------------------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|-------------|
| A | 13 | 20S | 29E | | 392 | North | 388 | East | Eddy |
| ¹² Lse Code F | ¹³ Producing Method Code F | ¹⁴ Gas Connection Date 9/8/14 | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date | | | | |

III. Oil and Gas Transporters

| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|---|---------------------|
| 278421 | Holly Refining & Marketing Company, LLC PO Box 159 Artesia, NM 88210 | O |
| 147831 | Agave Energy Company 105 S. 4th Street Artesia, NM 88210 | G |
| | | |
| | | |
| | | |
| | | |
| | | |

IV. Well Completion Data

| | | | | | |
|---|--|--|-------------------------------------|--|-----------------------|
| ²¹ Spud Date 5/28/14 | ²² Ready Date 8/29/14 | ²³ TD 13383' 8421 | ²⁴ PBTB 13325' | ²⁵ Perforations 8799-13310' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 26" | 20" | 301' | 650 sx | | |
| 17 1/2" | 13 3/8" | 1850' | 1800 sx | | |
| 12 1/4" | 9 5/8" | 3500' | 957 sx | | |
| 8 3/4" | 7" & 5 1/2" | 13373' | 2450 sx | | |

V. Well Test Data

| | | | | | |
|---|--|--|--|---|--|
| ³¹ Date New Oil 9/5/14 | ³² Gas Delivery Date 9/8/14 | ³³ Test Date 9/8/14 | ³⁴ Test Length 24 Hrs | ³⁵ Tbg. Pressure 350# | ³⁶ Csg. Pressure 125# |
| ³⁷ Choke Size | ³⁸ Oil 556 | ³⁹ Water 1762 | ⁴⁰ Gas 971 | ⁴¹ Test Method Pumping | |

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
9/10/14

Phone:
575-748-6946

Approved by:

Title:

Approval Date:

OIL CONSERVATION DIVISION

T.C. Shepard
"Geologist"

9-19-2014

Pending BLM approvals will
subsequently be reviewed
and scanned

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NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 11 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG
RECEIVED

| | | | | | |
|--|--|--|--|--------------------------------------|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input 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. | | |
| 2. Name of Operator COG OPERATING LLC | | | 8. Lease Name and Well No. CRAPSHOOT 13 FEDERAL 1H | | |
| 3. Address 2208 W MAIN ST ARTESIA, NM 88210 | | | 9. API Well No. 30-015-42323 | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 24 T20S R29E Mer NMP At surface NENE 230FNL 1040FEL At top prod interval reported below Sec 13 T20S R29E Mer NMP At total depth NENE 392FNL 388FEL | | | 10. Field and Pool, or Exploratory PARKWAY; BONE SPRING | | |
| 14. Date Spudded 05/28/2014 | | | 15. Date T.D. Reached 06/19/2014 | | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/29/2014 | | | 17. Elevations (DF, KB, RT, GL)* 3320 GL | | |
| 18. Total Depth: MD 13383 TVD 8431 | | 19. Plug Back T.D.: MD 13325 TVD 8431 | | 20. Depth Bridge Plug Set: MD TVD | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE | | | 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 26.000 | 20.000 J55 | 94.0 | 0 | 301 | | 650 | | 0 | |
| 17.500 | 13.375 J55 | 61.0 | 0 | 1850 | | 1800 | | 0 | |
| 12.250 | 9.625 J55 | 40.0 | 0 | 3500 | 2003 | 957 | | 0 | |
| 8.750 | 5.500 P110 | 17.0 | 0 | 13373 | | 2450 | | 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 | 7671 | | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 8799 | 13310 | 8799 TO 13250 | 0.430 | 504 | OPEN |
| B) | | | 13300 TO 13310 | | 60 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 8799 TO 13250 | SEE IN REMARKS |
| | |
| | |
| | |

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 |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 09/05/2014 | 09/08/2014 | 24 | → | 556.0 | 971.0 | 1762.0 | | | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| SI | 350 | 125.0 | → | 556 | 971 | 1762 | | POW | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API |
|---------------------|-------------------|--------------|-----------------|---------|---------|-----------|-----------------------|
| | | | → | | | | |
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio |
| SI | | | → | | | | |

Pending BLM approvals will
subsequently be reviewed
and scanned JCS

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

ELECTRONIC SUBMISSION #262445 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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 |
| CHERRY CANYON | 3607 | 6247 | | RUSTLER | 204 |
| BONE SPRING LM | 6248 | 7315 | | TOS | 358 |
| 1ST BONE SPRING | 7316 | 8402 | | BOS | 1455 |
| 2ND BONE SPRING | 8403 | 8431 | | YATES | 1731 |
| | | | | SEVEN RIVERS | 1918 |
| | | | | CAPITAN | 2096 |
| | | | | CHERRY CANYON | 3607 |
| | | | | BONE SPRING LM | 6248 |

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 13033-13250' 2982 448744 382494
 12707-12924' 6048 448530 386358
 12382-12594' 6048 408572 369978
 12059-12273' 6024 449849 378144
 11730-11947' 6048 450762 381528
 11404-11622' 6048 450156 398622
 11079-11296' 6006 449544 374262

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 #262445 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 09/10/2014

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #262445 that would not fit on the form

32. Additional remarks, continued

10753-10970' 6006 447898 376572
10427-10641' 6006 450028 375732
10104-10319' 6048 450453 375228
9776-9993' 6006 449509 375522
9450-9668' 6342 444115 376026
9125-9342' 6132 448040 376452
8799-9016' 6090 425386 367080
Totals 81834 6221586 5293998

Additional Tops:

1st Bone Spring 7316
2nd Bone Spring 8403

Surveys are attached.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SEP 11 2014

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

COG OPERATING LLC

Contact: STORMI DAVIS

E-Mail: sdavis@concho.com

3a. Address

2208 WEST MAIN
ARTESIA, NM 88210

3b. Phone No. (include area code)

Ph: 575-748-6946

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 24 T20S R29E Mer NMP NENE 230FNL 1040FEL

5. Lease Serial No.
NMNM110350

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
CRAPSHOOT 13 FEDERAL 1H9. API Well No.
30-015-4232310. Field and Pool, or Exploratory
PARKWAY; BONE SPRING

11. County or Parish, and State

EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

6/26/14 to 7/10/14 MIRU. Test csg to 8500#. Test 7" x 9 5/8" annulus to 1500# for 30 mins.
Drill out cmt & clean down to PBTD @ 13325'. Circulate clean. Test csg to 8500# for 15 mins.
Good test. Perf 13300-13310' (60) & perform injection test.

8/7/14 to 8/10/14 Perforate Bone Spring 8799-13250' (504). Acdz w/81834 gal 7 1/2% acid; frac
w/6221586# sand & 5293998 gal fluid.

8/29/14 Set 2 7/8" 6.5# L-80 tbg @ 7671'. Place well on pump.

8/30/14 Began flowing back & testing.

9/5/14 Date of 1st production.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #262437 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) STORMI DAVIS

Title PREPARER

Signature (Electronic Submission)

Date 09/10/2014

THIS SPACE FOR FEDERAL OR STATE OFFICIAL APPROVAL

Approved By _____

Title _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

Pending BLM approvals will
subsequently be reviewed
and scanned *TCB*

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****