

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ 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 - 025-41687 | ⁵ Pool Name Red Hills; Bone Spring, North | | ⁶ Pool Code 96434 |
| ⁷ Property Code 40400 | ⁸ Property Name Sebastian Federal Com | | ⁹ Well Number 1H |

II. ¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|--------------|----------------------|---------------------------|----------------------|------------------------|---------------|
| Ul or lot no. D | Section 18 | Township 24S | Range 34E | Lot Idn 1 | Feet from the 190 | North/South Line North | Feet from the 660 | East/West line West | County Lea |
|--------------------|---------------|-----------------|--------------|--------------|----------------------|---------------------------|----------------------|------------------------|---------------|

¹¹ Bottom Hole Location

| | | | | | | | | | |
|-----------------------------|--|-----------------|--|--------------|-----------------------------------|---------------------------|------------------------------------|------------------------|-------------------------------------|
| Ul or lot no. M | Section 18 | Township 24S | Range 34E | Lot Idn 4 | Feet from the 342 | North/South Line South | Feet from the 680 | East/West line West | County Lea |
| ¹² Lse Code F | ¹³ Producing Method Code F | | ¹⁴ Gas Connection Date 6/10/15 | | 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 |
| 35103 | Sunoco Partners Marketing & Terminals, LP P.O. Box 5090 Sugarland, TX 77479 | O |
| 147831 | Agave Energy Company 105 S. 4 th Street Artesia, NM 88210 | G |
| | | |
| | | |
| | | |
| | | |


IV. Well Completion Data

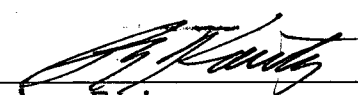
| | | | | | |
|-----------------------------------|------------------------------------|------------------------------------|------------------------------|--|----------------------------|
| ²¹ Spud Date 2/1/15 | ²² Ready Date 6/2/15 | ²³ TD 15427' | ²⁴ PBDT 15350' | ²⁵ Perforations 10974-15330' | ²⁶ DHC, MC |
| ²⁷ Hole Size | | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | | ³⁰ Sacks Cement |
| 17 1/2" | | 13 3/8" | 1390' | | 950 |
| 12 1/4" | | 9 5/8" | 5209' | | 1650 |
| 8 3/4" | | 5 1/2" | 15417' | | 3200 |
| | | 2 7/8" | 10305' | | |

V. Well Test Data

| | | | | | |
|--------------------------------------|--|------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| ³¹ Date New Oil 6/4/15 | ³² Gas Delivery Date 6/10/15 | ³³ Test Date 6/19/15 | ³⁴ Test Length 24 Hrs | ³⁵ Tbg. Pressure 1375# | ³⁶ Csg. Pressure |
| ³⁷ Choke Size 25/64" | ³⁸ Oil 899 | ³⁹ Water 2128 | ⁴⁰ Gas 1407 | | ⁴¹ Test Method Flowing |

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: 7/20/15
Phone: 575-748-6946

| | |
|--|--|
| OIL CONSERVATION DIVISION | |
| Approved by: |  |
| Title: | Petroleum Engineer |
| Approval Date: | 07/23/15 |
| ReComp _____ Add New Well _____ Cancel Well _____ Create Pool _____ E-PERMITTING -- New Well _____ Comp <u>Am</u> P&A _____ TA _____ CSNG <u>P.A.</u> Loc Chng _____ | |

JUL 28 2015

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

| | | |
|--|---|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | | 5. Lease Serial No. NMNM123528 |
| 2. Name of Operator COG OPERATING LLC | | 6. If Indian, Allottee or Tribe Name |
| Contact: STORMI DAVIS E-Mail: sdavis@concho.com | | 7. If Unit or CA/Agreement, Name and/or No. |
| 3a. Address 2208 WEST MAIN ARTESIA, NM 88210 | 3b. Phone No. (include area code) Ph: 575-748-6946 | 8. Well Name and No. SEBASTIAN FEDERAL COM 1H |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T24S R34E Mer NMP NWNW 190FNL 660FWL | | 9. API Well No. 30-025-41687 |
| | | 10. Field and Pool, or Exploratory RED HILLS; BONE SPRING |
| | | 11. County or Parish, and State LEA 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 checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Deepen |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Fracture Treat |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Plug and Abandon |
| | <input type="checkbox"/> Plug Back |
| | <input type="checkbox"/> Production (Start/Resume) |
| | <input type="checkbox"/> Reclamation |
| | <input type="checkbox"/> Recomplete |
| | <input type="checkbox"/> Temporarily Abandon |
| | <input type="checkbox"/> Water Disposal |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Well Integrity |
| | <input checked="" type="checkbox"/> Other Drilling Operations |

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.)

2/1/15 Spud well.

2/2/15 TD 17 1/2" hole @ 1390'. Set 13 3/8" 54.5# J-55 csg @ 1390'. Cmt w/650 sx Class C. Tailed in w/300 sx. Circ 313 sx to surface. WOC 18 hrs. Test csg to 1500# for 30 mins. Drilled out 5' below FS w/10# brine - no loss of circ.

2/6/15 TD 12 1/4" hole @ 5209'. Set 9 5/8" 40# J-55 csg @ 5209'. Cmt w/1400 sx Class C. Tailed in w/250 sx. Circ 200 sx to surface. WOC 18 hrs. Test csg to 1500# for 30 mins. Drilled out 5' below FS w/10# brine - no loss of circ.

2/19/15 TD 8 3/4" lateral @ 15417' (KOP @ 10307'). Set 5 1/2" 17# P-110 csg @ 15417'. Set DVT @ 6719'. Cmt Stage 1 w/650 sx Class H. Tailed in w/1300 sx. Circ 140 sx. Cmt Stage 2 w/900 sx

| | |
|---|-----------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #293771 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs | |
| Name (Printed/Typed) STORMI DAVIS | Title PREPARER |
| Signature (Electronic Submission) | Date 03/04/2015 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------------|------------|
| Approved By _____ | Title _____ | Date _____ |
| 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 _____ | |

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 **

Additional data for EC transaction #293771 that would not fit on the form

32. Additional remarks, continued

Class C. Tailed in w/350 sx. Circ 103 sx to surface.

2/22/15 Rig released.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTHOBBS OGD
JUL 23 2015
RECEIVEDFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NNNM123528

| | | | |
|--|--|---|--|
| 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 | | Contact: STORMI DAVIS E-Mail: sdavis@concho.com | |
| 3. Address 2208 W MAIN ST ARTESIA, NM 88210 | | 3a. Phone No. (include area code) Ph: 575-748-6946 | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 18 T24S R34E Mer NMP At surface NWNW 190FNL 660FWL At top prod interval reported below Sec 18 T24S R34E Mer NMP At total depth SWSW 342FSL 680FWL | | 9. API Well No. 30-025-41687 | |
| 14. Date Spudded 02/01/2015 | | 15. Date T.D. Reached 02/19/2015 | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/02/2015 | | 17. Elevations (DF, KB, RT, GL)* 3599 GL | |
| 18. Total Depth: MD 15427 TVD 10944 | | 19. Plug Back T.D.: MD 15350 TVD 10944 | |
| 20. Depth Bridge Plug Set: MD 15350 TVD 10944 | | 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 |
|-----------|------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17.500 | 13.375 J55 | 54.5 | 0 | 1390 | | 950 | | 0 | |
| 12.250 | 9.625 J55 | 40.0 | 0 | 5209 | | 1650 | | 0 | |
| 8.750 | 5.500 P110 | 17.0 | 0 | 15417 | 6719 | 3200 | | 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 | 10305 | 10295 | | | | | | |

25. Producing Intervals

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|-------|--------|---------------------|-------|-----------|--------------|
| A) BONE SPRING | 10974 | 15330 | 10974 TO 15270 | 0.430 | 792 | OPEN |
| B) | | | 15320 TO 15330 | | 60 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

26. Perforation Record

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

| Depth Interval | Amount and Type of Material |
|----------------|-----------------------------|
| 10974 TO 15270 | 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 06/04/2015 | 06/19/2015 | 24 | → | 899.0 | 1407.0 | 2128.0 | | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 25/64 | 1375 | | → | 899 | 1407 | 2128 | | 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. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

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

ELECTRONIC SUBMISSION #309649 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 | 4434 | 5529 | | RUSTLER | 1013 |
| BRUSHY CANYON | 5530 | 7217 | | TOS | 1105 |
| BONE SPRING LM | 7218 | 8416 | | BOS | 2496 |
| 1ST BONE SPRING | 8417 | 9120 | | YATES | 2718 |
| 2ND BONE SPRING | 9121 | 10944 | | SEVEN RIVERS | 2753 |
| | | | | CAPITAN | 2825 |
| | | | | CHERRY CANYON | 4434 |
| | | | | BRUSHY CANYON | 5530 |

32. Additional remarks (include plugging procedure):

15140-15270 7182 308705 354354
 14940-15072 6006 312169 321342
 14741-14873 6048 314740 324534
 14543-14679 6006 312438 315151
 14345-14477 6006 310312 318654
 14146-14279 5982 313352 319722
 13943-14080 6048 313171 321342
 13750-13882 6048 309347 320082

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 #309649 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs

Name (please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 07/20/2015

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 #309649 that would not fit on the form

32. Additional remarks, continued

13552-13684 6048 313401 321846
13353-13486 6048 312922 314496
13155-13287 6048 312608 317646
12957-13093 6006 311917 314202
12759-12891 6090 313908 323274
12560-12692 6048 313261 317562
12365-12494 6048 312857 317562
12164-12296 6048 311931 312564
11965-12098 6048 315109 314748
11766-11899 6006 312209 322896
11569-11701 5964 314057 314580
11371-11503 6048 313428 316512
11172-11304 6048 313432 314748
10974-11106 5964 330979 320838
Totals 133788 6896253 7038655

Additional Tops:

Bone Spring Lm 7218'
1st Bone Spring 8417'
2nd Bone Spring 9121'

Surveys are attached.