| Form 3160-4 (August 2007) | | | DEPAF BUREA | RTMEI U OF I | NT OI LANI |) MAN | NTEI AGEI | MENT | | | | ٦ | NM | [0 | | RITAP IEINo. | PROVED 1000 0 37 130 2010 | |
|---|--|---|---------------------|----------------------------------|----------------------|------------------|------------------------------------|---------------------------------|-----------------------|------------------|--------------------------------------|---|--|--|-------------|-----------------|---------------------------------------|--------|
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | | | 5. Lease Serial No. NMNM01088 | | | | | | |
| la. Type of Well 🖸 Oil Well 🔲 Gas Well 🔲 Dry 🔲 Other | | | | | | | | | | | 6. If Indian, Allottee or Tribe Name | | | | | | | |
| b. Type of Completion 🔀 New Well 🗖 Work Over 🗍 Deepen 📄 Plug Back 🗖 Diff. Resvr. Other | | | | | | | | | | | | | Unit or CA Agreement Name and No. 891006783D | | | | | |
| | COG OPÉRATING LI C | | | | | | | | | | | | 8. Le | ase Name | and W | | | |
| | | | | | | | | | | | | | | | USK DEE | | T A 29H | |
| MIDLAND, TX 79701-4287 Ph: 575.748.6946 30-025-41563-00-S | | | | | | | | | | | | | | D-S1 | | | | |
| | Sec 17 T19S R32E Mer NMP | | | | | | | | | | | | | LUSK | | | | |
| | At top prod interval reported below | | | | | | | | | | | | | Sec., T., R., M., or Block and Survey or Area Sec 17 T19S R32E Mer NMP | | | | |
| • • | At top prod interval reported below Sec 17 T19S R32E Mer NMP At total depth SWSW 391F,SL 664FWL RECEIVED | | | | | | | | | | | | 12. County or Parish 13. State LEA NM | | | | | |
| 14. Date Spudded 01/17/2014 3×1 15. Date T.D. Reached 02/19/2014 16. Date Completed □ D & A ⊠ Ready to Prod. 06/23/2014 | | | | | | | | | | | od. | 17. Elevations (DF, KB, RT, GL)* 3609 GL | | | | | | |
| 18. Total Depth: MD 12864 19. Plug Back T.D.: MD 12819 20. Depth Bridge Plug Set: MD TVD 8415 TVD 8415 | | | | | | | | | | | | | | | | | | |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored? No Yes (Submit analysis) SEEATTACHED Was DST run? No Yes (Submit analysis) Directional Survey? No Yes (Submit analysis) | | | | | | | | | | | | | | | | | | |
| 23. Casing a | nd Liner Rec | ord <i>(Repo</i> | rt all strings | 1 | 1 | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
| Hole Size | Hole Size Size/Grade V | | | | op D) | Bottom S (MD) | | •. | age Cementer Depth | | No. of Sks. & Type of Cement | | Slurry V (BBL | | Cement Top* | | Amount Pulled | |
| | 17. <u>500</u> 13.375 J55 | | 54.5 | 1 | 0 | | | | | | | 775 | | 0 | | | | |
| <u>12,250</u> 7,875 | | .625 J55 00 P110 | <u>36.0</u> 29.0 | | | 4457 | | 2790 | | | 2175 | | | | 0. | | | |
| 6.125 | | 00 P110 | | | 0 8563 7776 12864 | | | | | 275 | | 75 | | | 7130 | | | |
| | | | | | | | | | | | | | | | | | | |
| 24. Tubing | Record | | | | | | | | | | | | | | | | | |
| Size | Depth Set (N | MD) Pa | acker Depth | (MD) | Siz | ze [| epth S | Set (MD) Packer Depth (MD) Size | | | | | Size | Depth Set (MD) Packer Depth (MD) | | | | h (MD) |
| 2.875 | | 7675 | | | | | | | | | | | | | · · · · · · | | | |
| | ing Intervals | <u> </u> | | | | | 26. Po | erforation | | | | | | | | | | |
| | ormation BONE SP | DINC | Тор | Bottom 12800 | | | Perforated Interval 8559 TO 127 | | | 10715 | Size 0.000 | | | No. Holes Perf. Status 506 OPEN | | s | | |
| A) BONE SPRING B) | | · · · · | 8559 12800 | | | 12790 TO 128 | | | | | | | | 0 OPEN | | | | |
| · C) | | | | | | | | | | | | | | | | | | |
| <u>D)</u> | | | | | | | | | | | | | | | | <u> </u> | | |
| | racture, Treat Depth Interva | | ient Squeeze | e, Etc. | | | | | Δ.r | nount and | Type of | Mat | terial | | - | | | · · · |
| | | | 15 SEE IN | REMAR | RKS | | | | 7 61 | nount and | Type of | ivia | | | | | | |
| | | | _ | | | | | | | | | | _ | | | | | · |
| <u> </u> | | | | | | | | | | | | | | | | | | |
| 28. Product | ion - Interval | A | | | | | | | | | | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | 1 | jas MCF | Wat BBI | | Oil Gra Corr. A | | Gas Grav | vity | ACP | roducti | PIFP | F | BR REA | |
| 06/24/2014 Choke | Tbg. Press. Csg. 24 Hr. Oil Gas | | Wat | 1938.0 ter Gas:Oil Well Statu | | | | | ILECTIBIC/ | PUMŔ | SUB-SUREA | | | | | | | |
| Size | | | мсғ | BBI | 3L Ratio | | | | POW | | | | | | | | | |
| 28a. Produc | tion - Interva | <u>ــــــــــــــــــــــــــــــــــــ</u> | • <u> </u> | L | | | | · | I | | | | | | FFR | 11 | 2015 | |
| Date First Produced | | | | Gas Water MCF BBL | | | Oil Gravity Corr. API | | Gas Grav | Gas P Gravity | | roducti | on Method | <u>zun</u> | iera | 4) | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | | Jas MCF | Wat BBI | | Gas:Oi Ratio | i1 | Well | l Stati | * B | URE | AU OF 1 | | MANAGEI ELD OFFIC | MENT E |
| (See Instruct | ions and space | ces for add | litional data | on reve | rse sic | le) | | | L | | | | | | | | | |

(See Instructions and spaces for additional data on reverse side) ELECTRONIC SUBMISSION #281434 VERIFIED BY THE BLM WELL INFORMATION SYSTEM ** BLM REVISED ** Reclamation Date : 12/24/2014

| Date method Transl. Nat. Circ. Nat. Of Gravy Packame Method Obset Packame Nat. Nat. <th>28b. Prod</th> <th>uction - Interv</th> <th>al C</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>•</th> <th></th> | 28b. Prod | uction - Interv | al C | | | | | | | | | • | | | |
|--|--|---|--|--|--------------------------------|-----------------------------|--------------------------------|--|---------------------------------------|----------------------------------|--|--|--|--|--|
| Sint Proc. Proc. PRI. MPT 200. Ruto 236. Processor Processor Processor Processor Processor Processor 236. Processor | | | | | | | | | | ty | Production Method | | | | |
| 326. Production - Future | | Flwg. | | | | Well S | Status | | | | | | | | |
| Inducest Date The Plast Cox Water Cox MT Construct Coxet The Plast Cox State The Plast Cox State | 28c. Prod | | al D | | | I | _ | 1 | | | | | | | |
| Sime Trig. Pres. Not. Str. Not. Str. Str. 23 Disposition of Cas(Sold and Gr fuel, venue, e.c.) Sold | Date First Test Hours Test | | | | | | | | ty | Production Method | | | | | |
| SOLD 30 Summary of Porous Zunes (Include Aquifers): Show all important zenes of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cachino used, time tool open, flowing and allut in pressures and recoveries. ¹ Formation Top Bound and the stem tests, including depth interval tested, cachino used, time tool open, flowing and allut in pressures and recoveries. Name Top. ¹ Formation Top Bottom Descriptions, Contents, etc. Name Meas. Depth ChERRY CANYON 6448 5511 6991 TOP OF SALT 824 BONE SPRING LIME 6922 8228 8228 727 8297 BONE SPRING 2ND 6981 9244 South SPRING 2ND 9261 2249 Standard remarks (Include plugging procedure): Pression 2002 2937 2937 Standard Standard remarks (Include plugging procedure): Pression 2002 2937 2937 Standard Notes Standard remarks (Include plugging procedure): Pression 2002 2937 2937 Standard Notes Standard remarks (Include plugging procedure): Presside 30174 | Size Flwg. Press. Rate BBL MCF BBL Ratio | | | | | | | | | | | | | | |
| 30. Summary of Porous Zones (Include Aquifes): 31. Formation (Log) Markers Show all important zones of porosity and sontents thereof. Cored intervals and all drill-stem test, including dipth interval tested, cushon used, time tool open, flowing and slut-in pressures and recovering. 31. Formation (Log) Markers Parmation Top Botom Descriptions, Contents, etc. Name Meas. Depth Parmation Top Botom Descriptions, Contents, etc. Name Meas. Depth BRUSHY CANYON 4544 6511 Botom Descriptions, Contents, etc. Name Meas. Depth BONE SPRING CIME 6392 5284 Bosto Bosto Striptions, Contents, etc. Name Meas. Depth 32. Additional remarks (include alegaling specular): 8289 9284 Stription 2655 BONE SPRING 2ND 9031 9244 Stription 2655 2777 32. Additional remarks (include alegaling specular): Formation 26410 278725 27873 31. Stription 2012 Stription 2012 Stription 2012 2655 27763 27773 31. 2028 at 2028 21282 Stription 2012 Stription 2012 30.001 20.001 20.001 | | | Sold, used j | for fuel, vent | ed, etc.) | | | , , | | | · · · · · · · · · · · · · · · · · · · | | | | |
| Jornation 10p Bottom Descriptions, Contents, etc. Name Meas. Depth CHERRY CANNON 4648 5511 5511 834 | 30. Summ Show tests, | 30. Summary of Porous Zones (Include Aquifers): 31. Formation (Log) Markers 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 31. Formation (Log) Markers | | | | | | | | | | | | | |
| CHERRY CANVON CHERRY CH | | Formation | | Тор | Bottom | | ons, Contents, etc | | | Name | | | | | |
| 12425-12715 3024 307225 272538 12038-13228 6090 304687 2285768 11652-11355 6048 301745 289674 10379-11169 6024 301035 283938 10492-10782' 6024 301037 282972 33 Circle enclosed attachments: 1. Electrical/Mechanical Logs (I 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 #281434 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 01/16/2015 (15LJ0458SE) Name (please print) STORMI DAVIS Title REGULATORY ANALYST Signature (Electronic Submission) Date 11/24/2014 | BRUSHY CANYON5512BONE SPRING LIME6992BONE SPRING 1ST8289 | | | | 6991 8288 9080 | | | | | TO BA YA SE CA QL | P OF SALT SE OF SALT TES VEN RIVERS PITAN REEF JEEN | 834 929 2410 2665 2877 2957 3701 | | | |
| 12425-12715' 3024 307225 272538 12038-13228 6090 304687 2285768 11652-11355' 6048 301745 289674 10879-11169' 6024 301035 283938 10492-10782' 6024 301337 282972 33 Circle enclosed attachments: 1. Electrical/Mechanical Logs (I 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 #281434 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 01/16/2015 (15LJ0458SE) Name (please print) STORMI DAVIS Title REGULATORY ANALYST Signature (Electronic Submission) Date 11/24/2014 | | | | | | | | | | | | | | | |
| 1. Electrical/Mechanical Logs (I 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 #281434 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 01/16/2015 (15LJ0458SE) Name (please print) STORMI DAVIS Title REGULATORY ANALYST Signature (Electronic Submission) Date 11/24/2014 | 1242 1203 1165 1126 1087 1087 | 5-12715' 302 3-12328' 609 2-11936' 596 5-11555' 604 9-11169' 602 2-10782' 602 | 4 307225 0 304687 4 300231 8 301745 4 301035 4 304736 | 272538 285768 298436 289674 283938 287676 | dure): | | | | | | | | | | |
| Electronic Submission #281434 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 01/16/2015 (15LJ0458SE) Name (please print) STORMI DAVIS Title REGULATORY ANALYST Signature (Electronic Submission) Date 11/24/2014 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 | 1. Ele | ctrical/Mecha | nical Logs | | • • | | - | - | | | port 4. Directio | nal Survey | | | |
| • 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 | | | - | Electr Committed | onic Submi Fo | ssion #2814 r COG OF | 434 Verifie PERATING | d by the BLM W GLLC, sent to t NDA JIMENEZ | /ell Inform he Hobbs on 01/16/2 | ation Sy 015 (15L | stem. J0458SE) | ons): | | | |
| 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 fradulent statements or representations as to any matter within its jurisdiction. | Signat | ure | (Electroni | c Submissi | on) | | . ' | Date <u>1</u> | 1/24/2014 | | | 9 | | | |
| | Title 18 U of the Uni | .S.C. Section ted States any | 1001 and T false, fictit | itle 43 U.S.C ious or fradu | C. Section 12 ilent stateme | 12, make i ents or repre | t a crime for esentations a | r any person know as to any matter v | wingly and within its jui | willfully risdiction | to make to any department or a | agency | | | |

** REVISED **

Additional data for transaction #281434 that would not fit on the form

3. - 4

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32. Additional remarks, continued

9719-10009' 6006 303582 283038 9332-9616' 5964 299480 283290 8946-9236' 5982 301243 282132 8559-8849' 6090 308983 283138 Totals 63239 3334784 3132598

Additional Tops: Brushy Canyon 5512' Bone Spring Lm 6992' 1st Bone Spring 8289' 2nd Bone Spring 9081'

Surveys and logs are attached.

This is the completion for the upper lateral of this dual-lateral well. The completion for the lower lateral will follow.