

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

|  |   |  |
|--|---|--|
| <sup>1</sup> Operator name and Address<br>Apache Corporation<br>303 Veterans Airpark Lane Suite 1000<br>Midland TX 79705 |   | <sup>2</sup> OGRID Number<br>873                           |
|  |   | <sup>3</sup> Reason for Filing Code/ Effective Date<br>N/W |
| <sup>4</sup> API Number<br>30-015-41990  | <sup>5</sup> Pool Name<br>CEDAR LAKE; GLORIETA-YESO | <sup>6</sup> Pool Code<br>96831                            |
| <sup>7</sup> Property Code<br>308738   | <sup>8</sup> Property Name<br>TONY FEDERAL          | <sup>9</sup> Well Number<br>#51                            |

II. <sup>10</sup> Surface Location

|                    |               |                 |              |         |                       |                         |                       |                       |                |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-------------------------|-----------------------|-----------------------|----------------|
| UL or lot no.<br>K | Section<br>18 | Township<br>17S | Range<br>31E | Lot Idn | Feet from the<br>1340 | North/South Line<br>FSL | Feet from the<br>2220 | East/West line<br>FWL | County<br>EDDY |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|-------------------------|-----------------------|-----------------------|----------------|

<sup>11</sup> Bottom Hole Location

|                             |   |  |                                   |                                    |                                     |                         |                       |                       |                |
|-----------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|-------------------------|-----------------------|-----------------------|----------------|
| UL or lot no.<br>K          | Section<br>18                               | Township<br>17S                                    | Range<br>31E                      | Lot Idn                            | Feet from the<br>1340               | North/South line<br>FSL | Feet from the<br>2220 | East/West line<br>FWL | County<br>EDDY |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code<br>P | <sup>14</sup> Gas Connection<br>Date<br>06/17/2014 | <sup>15</sup> C-129 Permit Number | <sup>16</sup> C-129 Effective Date | <sup>17</sup> C-129 Expiration Date |                         |                       |                       |                |

III. Oil and Gas Transporters

|  |   |                     |
|--|---|---------------------|
| <sup>18</sup> Transporter<br>OGRID   | <sup>19</sup> Transporter Name<br>and Address                                     | <sup>20</sup> O/G/W |
| 252293   | Holly Energy Pipeline<br>311 W Quay / PO Box 1360<br>Artesia NM 88210             | O                   |
| 22115  | Frontier Field Services LLC<br>4200 East Skelly Drive Suite 700<br>Tulsa OK 74135 | G                   |
| <div>NM OIL CONSERVATION<br/>ARTESIA DISTRICT<br/>JAN 16 2015<br/>RECEIVED</div> |   |                     |
|  |   |                     |
|  |   |                     |
|  |   |                     |

IV. Well Completion Data

|                                       |  |   |                            |   |                       |
|---------------------------------------|--|---|----------------------------|---|-----------------------|
| <sup>21</sup> Spud Date<br>04/30/2014 | <sup>22</sup> Ready Date<br>06/17/2014 | <sup>23</sup> TD<br>6405<br><del>6400</del> 6393' | <sup>24</sup> PBTD<br>6373 | <sup>25</sup> Perforations<br>4596-6204 | <sup>26</sup> DHC, MC |
| <sup>27</sup> Hole Size               | <sup>28</sup> Casing & Tubing Size     | <sup>29</sup> Depth Set                           | <sup>30</sup> Sacks Cement |   |                       |
| 17.5                                  | 13.375                                 | 336   | 824 sx Class C             |   |                       |
| 11                                    | 8.625                                  | 3485  | 1370 sx Class C            |   |                       |
| 7.875                                 | 5.5                                    | 6336  | 1010 sx Class C            |   |                       |
| Tubing                                | 2-7/8 J-55 EUE 8RD                     | 6336  |                            |   |                       |

V. Well Test Data

|  |   |                                       |                                     |                             |                                |
|--|---|---------------------------------------|-------------------------------------|-----------------------------|--------------------------------|
| <sup>31</sup> Date New Oil<br>06/17/2014 | <sup>32</sup> Gas Delivery Date<br>06/17/2014 | <sup>33</sup> Test Date<br>06/29/2014 | <sup>34</sup> Test Length<br>24 hrs | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure    |
| <sup>37</sup> Choke Size                 | <sup>38</sup> Oil<br>94                       | <sup>39</sup> Water<br>198            | <sup>40</sup> Gas<br>463            |                             | <sup>41</sup> Test Method<br>P |

<sup>42</sup> 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: *Emily Follis*  
Printed name:  
Emily Follis

Title:  
Regulatory Analyst I

E-mail Address:  
emily.follis@apachecorp.com

Date:  
01/07/2014

Phone:  
432-818-1801

OIL CONSERVATION DIVISION

Approved by:

*AR Dade*

Title:

*Dist #5 Supervisor*

Approval Date:

*2/4/15*

Pending BLM approvals will  
subsequently be reviewed  
and scanned

*BB*

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.**5. Lease Serial No.  
NMLC029395A

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
TONY FEDERAL 51

2. Name of Operator

APACHE CORPORATION

Contact: EMILY FOLLIS

E-Mail: emily.follis@apachecorp.com

9. API Well No.  
30-015-41990

3a. Address

303 VETERANS AIRPARK LANE SUITE 1000  
MIDLAND, TX 79707

3b. Phone No. (include area code)

Ph: 432-818-1801

10. Field and Pool, or Exploratory  
CEDAR LAKE:GLORIETA-YESO

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

Sec 18 T17S R31E NESW 1340FSL 2220FWL

11. County or Parish, and State

EDDY COUNTY 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       | Production Start-up                       |
|   | <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 recomplete 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 recompletion 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.)

APACHE HAS COMPLETED THE WELL AS FOLLOWS:

5/12/14: Rig release.

5/13/14 through 5/19/14: Prepare to acidize. MIRU equipment. Perf the Lo. Blinebry/Tubb

5772-6240 (24 holes). Acidize the Lo. Blinebry w/3024 gal's acid. Will frac at a later date.

6/3/14 through 6/4/14: MIRU Baker Hughes frac equipment. Frac the Lo. Blinebry/Tubb w/205,182 #?s

of total proppant. Perf the Upper Blinebry 5120-5710 (27 holes), acidize w/4788 gals acid and

220,833 lbs. total proppant. Perf the Paddock/Glorieta 4596-5054 (24 holes), acidize w/3780 gal's

acid and frac w/202,805 lbs. total proppant.

6/5/14 through 6/9/14: Drill out plugs; circulate hole clean to PBTD 6373?. Prepare to run in hole w/production equipment.

6/10/14 through 6/16/14: RIH with 2-7/8? J-55, 8rd EUE, 6.5# tubing; EOT 6336. Build wellhead and

**NM OIL CONSERVATION**

ARTESIA DISTRICT

JAN 16 2015

RECEIVED

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

**Electronic Submission #287391 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST I

Signature (Electronic Submission)

Date 01/08/2015

**THIS SPACE FOR FEDERAL OR STATE**

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 *RD*

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 #287391 that would not fit on the form**

**32. Additional remarks, continued**

lay flow line. Prepare to set pumping unit.

6/17/14: Set Ampscot 640-365-168 pumping unit, install electric and start production into battery

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES

JAN 10 2015

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

RECEIVED

|   |  |                                    |  |                                      |  |
|---|--|------------------------------------|--|--------------------------------------|--|
| 1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other   |  |                                    | 5. Lease Serial No.<br>NMLC029395A   |                                      |  |
| 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.<br>Other _____   |  |                                    | 6. If Indian, Allottee or Tribe Name   |                                      |  |
| 2. Name of Operator<br>APACHE CORPORATION   |  |                                    | 8. Lease Name and Well No.<br>TONY FEDERAL 51  |                                      |  |
| Contact: EMILY FOLLIS<br>E-Mail: EMILY.FOLLIS@APACHECORP.COM  |  |                                    | 7. Unit or CA Agreement Name and No.   |                                      |  |
| 3. Address 303 VETERANS AIRPARK LANE<br>MIDLAND, TX 79707   |  |                                    | 9. API Well No.<br>30-015-41990  |                                      |  |
| 3a. Phone No. (include area code)<br>Ph: 432-818-1801   |  |                                    | 10. Field and Pool, or Exploratory<br>CEDAR LAKE;GLORIETA-YESO   |                                      |  |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)*<br>Sec 18 T17S R31E Mer<br>At surface NESW 1340FSL 2220FWL<br>Sec 18 T17S R31E Mer<br>At top prod interval reported below NESW 1340FSL 2220FWL<br>Sec 18 T17S R13E Mer<br>At total depth SESW 990FSL 2210FWL |  |                                    | 11. Sec., T., R., M., or Block and Survey<br>or Area Sec 18 T17S R31E Mer  |                                      |  |
| 14. Date Spudded<br>04/30/2014  |  |                                    | 12. County or Parish<br>EDDY   |                                      |  |
| 15. Date T.D. Reached<br>05/11/2014   |  |                                    | 13. State<br>NM  |                                      |  |
| 16. Date Completed<br><input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.   |  |                                    | 17. Elevations (DF, KB, RT, GL)*<br>3750 GL  |                                      |  |
| 18. Total Depth: MD 6405<br>TVD 6392  |  | 19. Plug Back T.D.: MD 6373<br>TVD |  | 20. Depth Bridge Plug Set: MD<br>TVD |  |
| 21. Type Electric & Other Mechanical Logs Run (Submit copy of each)<br>PLATFORM EXPRESS/NAT'L GR/BOREHOLECOM SONIC/RDMO   |  |                                    | 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)<br>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 H-40 | 48.0        |          | 336         |                      | 824                         | 97                | 0           |               |
| 11.000    | 8.625 H-40  | 32.0        |          | 3485        |                      | 1370                        | 393               | 0           |               |
| 7.875     | 5.500 J-55  | 17.0        |          | 6405        |                      | 1010                        | 228               | 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 | 6336           |                   |      |                |                   |      |                |                   |

### 25. Producing Intervals

| Formation            | Top  | Bottom | Perforated Interval | Size  | No. Holes | Perf. Status |
|----------------------|------|--------|---------------------|-------|-----------|--------------|
| A) PADDOCK/GLORRIETA | 4651 | 5111   | 4596 TO 5054        | 0.420 | 51        | PRODUCING    |
| B) BLINBRY/TUBB      | 5111 | 6146   | 5120 TO 6240        | 0.420 | 24        | PRODUCING    |
| C)                   |      |        |                     |       |           |              |
| D)                   |      |        |                     |       |           |              |

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

| Depth Interval | Amount and Type of Material   |
|----------------|---|
| 4596 TO 6240   | ACID - BBL 312, 10 % GEL - BBL 315, 20 % GEL BBL 11,990, PROPPANT - # 619,820 |
|                |   |
|                |   |
|                |   |

### 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     |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-----------------------|
| 06/17/2014          | 06/29/2014           | 24           | →               | 94.0    | 463.0   | 198.0     | 38.0                  |             | ELECTRIC PUMPING UNIT |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                       |
|                     |                      |              | →               |         |         |           | 4926                  | 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 |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|
|                     |                      |              | →               |         |         |           |                       |             |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |
|                     |                      |              | →               |         |         |           |                       |             |

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #287684 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<br>Meas. Depth |
|--------------|------|--------|------------------------------|-------------|--------------------|
| RUSTLER      | 303  | 442    | SANDSTONE                    | RUSTLER     | 303                |
| TANSIL SALT  | 442  | 1300   | SALT                         | TANSIL SALT | 442                |
| BOTTOM SALT  | 1300 | 1454   | SALT                         | BOTTOM SALT | 1300               |
| YATES        | 1454 | 1762   | SANDSTONE                    | YATES       | 1454               |
| SEVEN RIVERS | 1762 | 2370   | SANDSTONE                    | SEVEN RIVER | 1762               |
| QUEEN        | 2370 | 3091   | SANDSTONE                    | QUEEN       | 2370               |
| SAN ANDRES   | 3091 | 4596   | CARBONATE                    | SAN ANDRES  | 3091               |
| GLORIETA     | 4596 | 4651   | SANDSTONE                    | GLORIETA    | 4596               |

## 32. Additional remarks (include plugging procedure):

PADDOCK - DOLOMITE - 4651-5111  
BLINBRY - DOLOMITE - 5111-6146  
TUBB - SANDSTONE - 6146 - TD

05/02/2014 13-3/8 = TOC @62': CMNT'D W/1147 SX cc: CIRC 30 SX TO SURFACE

## 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 #287684 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST I

Signature (Electronic Submission)

Date 01/12/2015

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 \*\***