

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 Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> Reason for Filing Code/ Effective Date NW / 01/28/2015
<sup>4</sup> API Number 30-015-42626	<sup>5</sup> Pool Name Cedar Lake; Glorieta-Yeso	<sup>6</sup> Pool Code 96831
<sup>7</sup> Property Code 308738	<sup>8</sup> Property Name Tony Federal	<sup>9</sup> Well Number 060

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

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	19	17S	31E	2	2310	North	725	West	Eddy

**<sup>11</sup> 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
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 01/28/2015	<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 OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
36785	DCP Midstream, LP 370 17th St Suite 2500 Denver CO 80202	G
214984	Plains Marketing LP PO Box 4648 Houston TX 77210-4648	O
	<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT MAY 14 2015  <b>RECEIVED</b>	

**IV. Well Completion Data**

<sup>21</sup> Spud Date 10/17/2014	<sup>22</sup> Ready Date 01/28/2015	<sup>23</sup> TD 6360'	<sup>24</sup> PBTB 6300'	<sup>25</sup> Perforations 4630'-6252'	<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		
17-1/2"	13-3/8"	330'	452 sx Class C		
11"	8-5/8"	3459'	1350 sx Class C		
7-7/8"	5-1/2"	6360'	1000 sx Class C		
Tubing	2-7/8"	6273'			

**V. Well Test Data**

<sup>31</sup> Date New Oil 01/28/2015	<sup>32</sup> Gas Delivery Date 01/28/2015	<sup>33</sup> Test Date 04/21/2015	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
<sup>37</sup> Choke Size	<sup>38</sup> Oil 53	<sup>39</sup> Water 241	<sup>40</sup> Gas 24		<sup>41</sup> Test Method 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: \_\_\_\_\_

Printed name:  
Fatima Vasquez

Title:  
Regulatory Analyst II

E-mail Address:  
Fatima.Vasquez@apachecorp.com

Date:  
05/12/2015

Phone:  
(432) 818-1015

Approved by: \_\_\_\_\_

Title: \_\_\_\_\_

Approval Date: \_\_\_\_\_

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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.

8. Well Name and No.  
TONY FEDERAL 609. API Well No.  
30-015-4262610. Field and Pool, or Exploratory  
CEDAR LAKE; GLORIETA-YESO11. County or Parish, and State  
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATIONContact: FATIMA VASQUEZ  
E-Mail: fatima.vasquez@apachecorp.com3a. Address  
303 VETERANS AIRPARK LN  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-1015

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

Sec 19 T17S R31E SWNW 2310FNL 725FWL  
32.820911 N Lat, 103.914537 W Lon

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

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <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 completed this well as follows:

11/04/2014 MIRUSU. Log TOC @ 194'.

Stage I - Perf Lower Blinbry @ 5850'-6252'w/ 1 SPF, 19 holes.

11/05/2014 Spot 420 gals acid. Acidize w/ 3402 gals 15% HCl NEFE acid.

12/05/2014 Frac Lower Blinbry w/ 16,506 gals 16# pad, 104,874 gals 16# gel, 146,038# 16/30 sand &amp; 5712 gals 10# linear gel flush. Spot 1050 gals 15% HCl acid.

Stage II - Set CBP @ 5830'. Perf Upper Blinbry @ 5187'-5790' w/ 1 SPF, 27 holes. Acidize w/ 4578 gals 15% HCl acid. Frac w/ 22,554 gals 16# pad, 150,360 gals 16# gel, 232,534# 16/30 sand &amp; 4032 gals 10# linear gel flush. Spot 1008 gals 15% HCl acid.

Stage III - Set CBP @ 5160'. Perf Glorieta/Paddock @ 4630'-5095' w/ 1 SPF, 26 holes. Acidize w/ 3612 gals 15% HCl acid. Frac w/ 22,470 gals 16# pad, 142,044 gals 16# gel, 209,805# 16/30 sand &amp;

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

MAY 14 2015

RECEIVED

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

**Electronic Submission #301448 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 05/12/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE**

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willful States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

make to any department or agency of the United

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

## Additional data for EC transaction #301448 that would not fit on the form

### 32. Additional remarks, continued

4578 gals 10# linear gel flush.

12/22/2014 ND frac valve & spool. NU prod spool & BOP.

12/23/2014 DO CBPs @ 5160' & 5830'. RIH to PBTD @ 6300'.

12/24/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6183' & ETD @ 6273'.

12/26/2014 RIH w/ pump & rods. Clean loc. RDMOSU.

01/27/2015 Set 640 pumping unit. POP.

# NM OIL CONSERVATION ARTESIA DISTRICT

MAY 14 2015

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.  
NMLC029395A

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 APACHE CORPORATION			8. Lease Name and Well No. TONY FEDERAL (308738) 60		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			9. API Well No. 30-015-42626		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW Lot 2 2310FNL 725FWL 32.820911 N Lat, 103.914537 W Lon At top prod interval reported below SWNW Lot 2 2310FNL 725FWL 32.820911 N Lat, 103.914537 W Lon At total depth SWNW Lot 2 2310FNL 725FWL 32.820911 N Lat, 103.914537 W Lon			10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO		
14. Date Spudded 10/17/2014			15. Date T.D. Reached 10/27/2014		11. Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R31E Mer
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/28/2015			12. County or Parish EDDY		
17. Elevations (DF, KB, RT, GL)* 3653 GL			13. State NM		
18. Total Depth: MD TVD 6360		19. Plug Back T.D.: MD TVD 6300		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN/HI-RES LL/HNGR/BHCS-SGR/CAL			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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0		330		452		0	
11.000	8.625 J-55	32.0		3459		1350		0	
7.875	5.500 J-55	17.0		6360		1000		194	

### 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	6273							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4625	4693	4630 TO 5095	1.000	26	PRODUCING
B) PADDOCK	4693	5163	5187 TO 5790	1.000	27	PRODUCING
C) BLINEBRY	5163	6255	5850 TO 6252	1.000	19	PRODUCING
D)						

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

Depth Interval	Amount and Type of Material
4630 TO 5095	22,470 GALS 16# PAD, 142,044 GALS 16# GEL, 209,805# SAND, 3612 GALS ACID, 4578 GALS LINEAR GEL
5187 TO 5790	22,554 GALS 16# PAD, 150,360 GALS 16# GEL, 232,534# SAND, 5586 GALS ACID, 4032 GALS LINEAR GEL
5850 TO 6252	16,506 GALS 16# PAD, 104,874 GALS 16# GEL, 146,038# SAND, 4872 GALS ACID, 5712 GALS LINEAR GEL

### 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
01/28/2015	04/21/2015	24	→	53.0	24.0	241.0	37.0		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	
			→				453	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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #301473 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
RUSTLER	242	428	SANDSTONE/ANHYDRITE - N/A	RUSTLER	242
YATES	1377	1708	SANDSTONE - N/A	YATES	1377
SEVEN RIVERS	1708	2323	SS/CARBONATE - OIL, GAS & WATER	SEVEN RIVERS	1708
SAN ANDRES	3087	4625	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3087
GLORIETA	4625	4693	SANDSTONE - OIL, GAS & WATER	GLORIETA	4625
PADDOCK	4693	5163	DOLOMITE - OIL, GAS & WATER	PADDOCK	4693
BLINEBRY	5163	6255	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5163
TUBB	6255		SANDSTONE - OIL, GAS & WATER	TUBB	6255

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

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 04/09/2015.

Tansill Salt 428'-1063' Salt - N/A  
 Bottom Salt 1063'-1377' Salt - N/A  
 Queen 2323'-3087' SS / Carbonate - Oil, Gas & Water  
 Tubb - didn't drill far enough to get bottom depth of Tubb.

\*\*SS-Sandstone

## 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 #301473 Verified by the BLM Well Information System.  
 For APACHE CORPORATION, sent to the Carlsbad

Name (please print) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 05/12/2015

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 \*\*