

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 / 03/11/2015
<sup>4</sup> API Number 30-015-42594	<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 047

**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
I	18	17S	31E		1650	South	1040	East	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> Lsc Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 03/11/2015	<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
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT JUN 22 2015 RECEIVED		

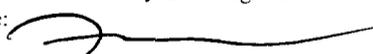
**IV. Well Completion Data**

<sup>21</sup> Spud Date 01/10/2015	<sup>22</sup> Ready Date 03/11/2015	<sup>23</sup> TD 6500'	<sup>24</sup> PBTD 6450'	<sup>25</sup> Perforations 4586'-6292'	<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"	320'	800 sx Class C		
11"	8-5/8"	3500'	1400 sx Class C		
7-7/8"	5-1/2"	6500'	925 sx Class C		
Tubing	2-7/8"	6378'			

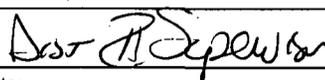
**V. Well Test Data**

<sup>31</sup> Date New Oil 03/11/2015	<sup>32</sup> Gas Delivery Date 03/11/2015	<sup>33</sup> Test Date 05/06/2015	<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 143	<sup>39</sup> Water 222	<sup>40</sup> Gas 359	<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: 06/18/2015 Phone: (432) 818-1015

OIL CONSERVATION DIVISION

Approved by:   
Title:   
Approval Date: 7-2-15

Pending BLM approvals will subsequently be reviewed and scanned 

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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.**

8. Well Name and No.  
TONY FEDERAL 47

9. API Well No.  
30-015-42594

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

11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
APACHE CORPORATION  
Contact: EMILY FOLLIS  
E-Mail: Emily.Follis@apachecorp.com

3a. Address  
303 VETERANS AIRPARK LANE  
MIDLAND, TX 79705  
3b. Phone No. (include area code)  
Ph: 432-818-1801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 18 T17S R31E NESE 1650FSL 1040FEL  
32.831811 N Lat, 103.903959 W Lon

**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 recompletable 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 recompletable 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:

01/27/2015 Log TOC @ 90' (CBL).  
Stage 1 - Perf Blinebry/Tubb @ 5777'-6292' w/ 1 SPF, 23 holes.  
01/28/2015 Spot 516 gals acid. Acidize w/ 3285 gals 15% HCl NEFE acid.  
02/11/2015 Frac Blinebry/Tubb w/ 152,591 gals 20# XL, 200,100# 16/30 sand & 4513 gals 10# linear gel. Spot 1021 gals 15% HCl.  
Stage 2 - Set CBP @ 5750'. Perf Paddock/Blinebry @ 5102'-5712' w/ 1 SPF, 32 holes. Acidize w/ 3768 gals 15% HCl. Frac w/ 171,509 gals 20# XL, 225,900# 16/30 sand & 3902 gals 10# linear gel. Spot 1021 gals 15% HCl.  
Stage 3 - Set CBP @ 5070'. Perf Glorieta/Paddock @ 4586'-5036' w/ 1 SPF, 26 holes. Acidize w/ 3668 gals 15% HCl. Frac w/ 157,001 gals 20#XL, 218,000# 16/30 sand & 4641 gals 10# linear gel.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUN 22 2015

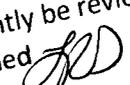
RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #305718 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/18/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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 an States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**Additional data for EC transaction #305718 that would not fit on the form**

**32. Additional remarks, continued**

02/20/2015 RIH w/ bit & tbg.  
02/23/2015 Standby due to icy conditions.  
02/24/2015 DO CBPs @ 5070' & 5750'. CO to PBTD @ 6450'. Circ clean.  
02/25/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6288'. ETD @ 6378'.  
02/26/2015 Standby due to wind.  
02/27/2015 Standby due to wind & icy conditions.  
03/02/2015 RIH w/pump & rods. Clean location. RDMOSU.  
03/13/2015 Set 640 pumping unit. POP.

# NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 22 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT

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			Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com		
3. Address 303 VETERANS AIRPARK LANE MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1801		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon At top prod interval reported below NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon At total depth NESE 1650FSL 1040FEL 32.831811 N Lat, 103.903959 W Lon			8. Lease Name and Well No. TONY FEDERAL 47		
14. Date Spudded 01/10/2015			15. Date T.D. Reached 01/18/2015		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/11/2015			9. API Well No. 30-015-42594		
18. Total Depth: MD 6500 TVD			19. Plug Back T.D.: MD 6450 TVD		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS-SGR/HI-RES LL/CNL/CAL/HNGR			11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R31E Mer		
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)			12. County or Parish EDDY		
23. Casing and Liner Record (Report all strings set in well)			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3703 GL			17. Elevations (DF, KB, RT, GL)* 3703 GL		

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 H40	48.0		320		800		0	
11.000	8.625 J-55	32.0		3500		1400		0	
7.875	5.500 J-55	17.0		6500		925		90	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6378							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4577	4636	4586 TO 5036	1.000	26	PRODUCING
B) PADDOCK	4636	5121	5102 TO 5712	1.000	32	PRODUCING
C) BLINEBRY	5121	6083	5777 TO 6292	1.000	23	PRODUCING
D) TUBB	6083					

Depth Interval	Amount and Type of Material
4586 TO 5036	157,001 GALS 20# XL, 218,000# SAND, 3668 GALS ACID, 4641 GALS GEL
5102 TO 5712	171,509 GALS 20# XL, 225,900# SAND, 4789 GALS ACID, 3902 GALS GEL
5777 TO 6292	152,591 GALS 20# XL, 200,100# SAND, 4822 GALS ACID, 4513 GALS GEL

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/11/2015	05/06/2015	24	→	143.0	359.0	222.0	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	
			→				2510	POW	

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

Pending BLM approvals will subsequently be reviewed and scanned

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	293	454	SANDSTONE/ANHYDRITE - N/A	RUSTLER	293
YATES	1474	2123	SANDSTONE - N/A	YATES	1474
SEVEN RIVERS	2123	2347	SS*/CARBONATE-OIL, GAS & WATER	SEVEN RIVERS	2123
SAN ANDRES	3063	4577	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3063
GLORIETA	4577	4636	SANDSTONE - OIL, GAS & WATER	GLORIETA	4577
PADDOCK	4636	5121	DOLOMITE - OIL, GAS & WATER	PADDOCK	4636
BLINEBRY	5121	6083	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5121
TUBB	6083		SANDSTONE - OIL, GAS & WATER	TUBB	6083

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 06/16/2015.

Tansil Salt 454'-1304' Salt - N/A  
 Bottom Salt 1304'-1474' Salt - N/A  
 Queen 2347'-3063' 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 #305741 Verified by the BLM Well Information System.  
 For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLIS Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 06/18/2015

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 \*\***