

District I \*  
7625 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 / 02/15/2015
<sup>4</sup> API Number 30-015-40960	<sup>5</sup> Pool Name Cedar Lake; Glorieta-Yeso	<sup>6</sup> Pool Code 96831
<sup>7</sup> Property Code 308710	<sup>8</sup> Property Name Coffee Federal	<sup>9</sup> Well Number 016

**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
G	18	17S	31E		1535	North	1655	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 02/15/2015	<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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
MAY 26 2015  
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**IV. Well Completion Data**

<sup>21</sup> Spud Date 12/02/2014	<sup>22</sup> Ready Date 02/15/2015	<sup>23</sup> TD 6400'	<sup>24</sup> PBTB 6380'	<sup>25</sup> Perforations 4611'-6290'	<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"	365'	700 sx Class C		
11"	8-5/8"	3512'	1250 sx Class C		
7-7/8"	5-1/2"	6400'	875 sx Class C		
Tubing	2-7/8"	6344'			

**V. Well Test Data**

<sup>31</sup> Date New Oil 02/15/2015	<sup>32</sup> Gas Delivery Date 02/15/2015	<sup>33</sup> Test Date 04/13/2015	<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 120	<sup>39</sup> Water 329	<sup>40</sup> Gas 300		<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:  
05/20/2015

Phone:  
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

5-29-15

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.*

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

5. Lease Serial No. NMLC029548A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. COFFEE FEDERAL 016
9. API Well No. 30-015-40960
10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO
11. County or Parish, and State EDDY COUNTY, NM

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator APACHE CORPORATION	
Contact: FATIMA VASQUEZ E-Mail: fatima.vasquez@apachecorp.com	
3a. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1015
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R31E SWNE 1535FNL 1655FEL 32.837540 N Lat, 103.905994 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 recompleat 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 recompleat 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:

01/08/2015 MIRUSU. Log TOC @ surface.  
01/09/2015 Stage I - Perf Lower Blinebry/Tubb @ 5816'-6290' w/ 1 SPF, 23 holes.  
01/12/2015 Spot 462 gals acid. Acidize w/ 3499 gals 15% HCl NEFE acid.  
01/19/2015 Frac Lower Blinebry/Tubb w/ 160,464 gals 20# XL, 202,900# 16/30 sand & 4493 gals 10# linear gel. Spot 1028 gals 15% HCl acid.  
Stage II - Set CBP @ 5790'. Perf Blinebry @ 5178'-5732' w/ 1 SPF, 28 holes. Pump 3458 gals 15% HCl acid. Frac w/ 132,963 gals 20# XL, 249,600# 16/30 sand, & 4120 gals 10# linear gel. Spot 1005 gals 15% HCl.  
Stage III - Set CBP @ 5160'. Perf Glorieta/Paddock @ 4611'-5116' w/ 1 SPF, 29 holes. Pump 3773 gals 15% HCl. Frac w/ 101,083 gals 20# XL, 165,000# 16/30 sand, & 3165 gals 10# linear gel.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
MAY 26 2015

RECEIVED

*AD* accepted for record  
NMOC 6/2/15

14. I hereby certify that the foregoing is true and correct. Electronic Submission #302596 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 05/21/2015

**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 #302596 that would not fit on the form**

**32. Additional remarks, continued**

01/29/2015 SD due to wind.

01/30/2015 RIH w/ bit & tbg.

02/02/2015 DO CBPs @ 5160' & 5790'. CO to PBTD @ 6380'.

02/03/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. Pulled out collar 36 jts out.

02/04/2015 Fish tbg. Replace 2 jts. Finish RIH w/ prod tbg. SN @ 6252'. ETD @ 6344'.

02/05/2015 RIH w/ pump & rods. Clean location. RDMOSU.

02/15/2015 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

MAY 26 2015

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

## WELL COMPLETION OR RECOMPLETION REPORT ~~AND RECEIVED~~

5. Lease Serial No.  
NMLC029548A

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: FATIMA VASQUEZ E-Mail: fatima.vasquez@apachecorp.com		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1015		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE 1535FNL 1655FEL 32.837540 N Lat, 103.905994 W Lon At top prod interval reported below SWNE 1535FNL 1655FEL 32.837540 N Lat, 103.905994 W Lon At total depth SWNE 1535FNL 1655FEL 32.837540 N Lat, 103.905994 W Lon			8. Lease Name and Well No. COFFEE FEDERAL 16		
14. Date Spudded 12/02/2014			15. Date T.D. Reached 12/09/2014		9. API Well No. 30-015-40960
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/15/2015			10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO		
17. Elevations (DF, KB, RT, GL)* 3723 GL			11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R31E Mer		
18. Total Depth: MD 6400 TVD			19. Plug Back T.D.: MD 6380 TVD		12. County or Parish EDDY
20. Depth Bridge Plug Set: MD TVD			13. State NM		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SBGR/BHCS/HI-RES LL/CNL/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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0		365		700		0	
11.000	8.625 J-55	32.0		3512		1250		0	
7.875	5.500 J-55	17.0		6400		875		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	6344							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4602	4648	4611 TO 5116	1.000	29	PRODUCING
B) PADDOCK	4648	5131	5178 TO 5732	1.000	28	PRODUCING
C) BLINEBRY	5131	6128	5816 TO 6290	1.000	23	PRODUCING
D) TUBB	6128					

### 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4611 TO 5116	101,083 GALS 20# XL, 165,000# SAND, 3773 GALS ACID, 3165 GALS GEL
5178 TO 5732	132,963 GALS 20# XL, 249,600# SAND, 4463 GALS ACID, 4120 GALS GEL
5816 TO 6290	160,464 GALS 20# XL, 202,900# SAND, 4989 GALS ACID, 4493 GALS 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
02/15/2015	04/13/2015	24	→	120.0	300.0	329.0	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	
							2500	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 #302602 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	289	449	SANDSTONE/ANHYDRITE	RUSTLER	289
YATES	1450	1753	SANDSTONE	YATES	1450
SEVEN RIVERS	1753	2364	SS*/CARBONATE-OIL, GAS & WATER	SEVEN RIVERS	1753
SAN ANDRES	3072	4602	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3072
GLORIETA	4602	4648	SANDSTONE - OIL, GAS & WATER	GLORIETA	4602
PADDOCK	4648	5131	DOLOMITE - OIL, GAS & WATER	PADDOCK	4648
BLINEBRY	5131	6128	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5131
TUBB	6128		SANDSTONE - OIL, GAS & WATER	TUBB	6128

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

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 05/12/2015.

Tansill Salt - Salt- 449'-1290'

Bottom Salt - Salt- 1290'-1450'

Queen - Sandstone/Carbonate - Oil, Gas & Water - 2364'-3072'.

Tubb - didn't drill far enough to get bottom depth of Tubb.

## 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 #302602 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 05/21/2015

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 #302602 that would not fit on the form

32. Additional remarks, continued

\*SS - Sandstone