

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 / 02/19/2015
<sup>4</sup> API Number 30-015-40961	<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 021

**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		2120	North	2565	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 02/19/2015	<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 18 2015 RECEIVED		

**IV. Well Completion Data**

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBTB	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
12/12/2014	02/19/2015	6412'	6380'	4622'-6260'	
<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"	385'	1200 sx Class C		
11"	8-5/8"	3502'	3380 sx Class C		
7-7/8"	5-1/2"	6412'	875 sx Class C		
Tubing	2-7/8"	6349'			

**V. Well Test Data**

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
02/19/2015	02/19/2015	05/25/2015	24		
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
	14	30	76	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:  
06/16/2015

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.  
NMLC029548A

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  Other

8. Well Name and No.  
COFFEE FEDERAL 21

2. Name of Operator  
APACHE CORPORATION  
Contact: FATIMA VASQUEZ  
E-Mail: fatima.vasquez@apachecorp.com

9. API Well No.  
30-015-40961

3a. Address  
303 VETERANS AIRPARK LN  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 432-818-1015

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 SWNE 2120FNL 2565FEL  
32.835928 N Lat, 103.908964 W Lon

11. County or Parish, and State  
EDDY 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 completed this well as follows:

01/15/2015 MIRUSU. Log TOC @ 84'.  
Stage I - Perf Lower Blinebry/Tubb @ 5816'-6260' w/ 1 SPF, 24 holes.  
01/16/2015 Spot 432 gals acid. Acidize w/ 2654 gals 15% HCl NEFE acid.  
01/29/2015 Frac Lower Blinebry/Tubb w/ 154,092 gals 20# XL, 203,900# 16/30 sand & 4447 gals 10# linear gel. Spot 940 gals 15% HCl acid.  
Stage II - Set CBP @ 5800'. Perf Blinebry @ 5218'-5775' w/ 1 SPF, 30 holes. Pump 3703 gals 15% HCl acid. Frac w/ 173,027 gals 20# XL, 227,200# 16/30 sand, & 6914 gals 10# linear gel. Spot 1195 gals 15% HCl.  
Stage III - Set CBP @ 5190'. Perf Glorieta/Paddock @ 4622'-5160' w/ 1 SPF, 27 holes. Pump 4194 gals 15% HCl. Frac w/ 171,896 gals 20# XL, 232,100# 16/30 sand, & 5663 gals 10# linear gel.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
JUN 18 2015

**RECEIVED**

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #305118 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 **06/16/2015**

**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*  
*AP*

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

**Additional data for EC transaction #305118 that would not fit on the form**

**32. Additional remarks, continued**

02/05/2015 RIH w/ bit & tbg.

02/06/2015 DO CBPs @ 5190' & 5800'. CO to PBTB @ 6380'.

02/09/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6259'. ETD @ 6349'.

02/19/2015 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 18 2015**

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		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 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon At top prod interval reported below SWNE 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon At total depth SWNE 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon		8. Lease Name and Well No. COFFEE FEDERAL 21	
14. Date Spudded 12/12/2014		15. Date T.D. Reached 12/22/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/19/2015		9. API Well No. 30-015-40961	
18. Total Depth: MD 6412 TVD		19. Plug Back T.D.: MD 6380 TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS-SGR/HI-RES LL/CNL/CAL		20. Depth Bridge Plug Set: MD TVD	
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)		10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO	
23. Casing and Liner Record (Report all strings set in well)		11. Sec., T., R., M., or Block and Survey or Area Sec 18 T17S R31E Mer	

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		385		1200		0	
11.000	8.625 J-55	32.0		3502		3380		0	
7.875	5.500 J-55	17.0		6412		875		84	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6349							

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4618	4661	4622 TO 5160	1.000	27	PRODUCING
B) PADDOCK	4661	5153	5218 TO 5775	1.000	30	PRODUCING
C) BLINEBRY	5153	6135	5816 TO 6260	1.000	24	PRODUCING
D) TUBB	6135					

Depth Interval	Amount and Type of Material
4622 TO 5160	171,896 GALS 20# XL, 232,100# SAND, 4194 GALS ACID, 5663 GALS GEL
5218 TO 5775	173,027 GALS 20# XL, 227,200# SAND, 4898 GALS ACID, 6914 GALS GEL
5816 TO 6260	154,092 GALS 20# XL, 203,900# SAND, 4026 GALS ACID, 4447 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
02/19/2015	05/25/2015	24	→	14.0	76.0	30.0	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	
							5429	POW	

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	

Pending BLM approvals will subsequently be reviewed and scanned. *JRD*

