

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 / 02/04/2014
<sup>4</sup> API Number 30-015-40991	<sup>5</sup> Pool Name Fren; Glorieta-Yeso	<sup>6</sup> Pool Code 26770
<sup>7</sup> Property Code 308711	<sup>8</sup> Property Name Crow Federal	<sup>9</sup> Well Number 017H

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

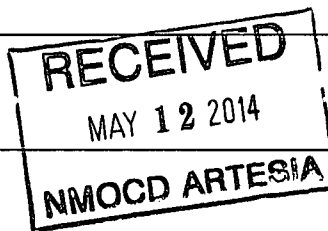
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	09	17S	31E		1775	South	110	West	Eddy

<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
I	09	17S	31E		1781	South	332	East	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 02/04/2014	<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 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



IV. Well Completion Data

<sup>21</sup> Spud Date 08/24/2013	<sup>22</sup> Ready Date 02/04/2014	<sup>23</sup> TD 10,303'	<sup>24</sup> PBDT 10,303'	<sup>25</sup> Perforations 6073'-10,211'	<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"	487'	520 sx Class C		
11"	8-5/8"	3501'	1280 sx Class C		
7-7/8"	5-1/2"	10,303'	1590 sx Class H		
Tubing	2-7/8"	5706'			

V. Well Test Data

<sup>31</sup> Date New Oil 02/04/2014	<sup>32</sup> Gas Delivery Date 02/04/2014	<sup>33</sup> Test Date 03/11/2014	<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 214	<sup>39</sup> Water 1097	<sup>40</sup> Gas 173		<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:	OIL CONSERVATION DIVISION Approved by: Title: Approval Date: 5/20/14
Printed name: Fatima Vasquez	
Title: Regulatory Analyst II	
E-mail Address: Fatima.Vasquez@apachecorp.com	
Date: 04/29/2014	Phone: (432) 818-1015
Pending BLM approvals will subsequently be reviewed and scanned	

3160-4  
3160-5

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 12 2014

NMOCD ARTESIA

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.  
NMLC-029426B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

**1. Type of Well**

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Apache Corporation (873)

3a. Address  
303 Veterans Airpark Ln., Ste 3000  
Midland, TX 79705

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

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

1775' FSL & 110' FWL UL:L Sec:9 T:17S R:31E

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

8. Well Name and No.  
Crow Federal #17H (308711)

9. API Well No.  
30-015-40991

10. Field and Pool, or Exploratory Area  
Fren; Glorieta-Yeso (26770)

11. County or Parish, State  
Eddy, NM

**12. CHECK THE 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 checked="" 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomple 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must 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 horizontal well as follows:

10/18/2013 Log TOC @ Surface. Set CBP @ 10,290'. Stage 1 - Perf Upper Blinbry @ 10,209'-10,211', 10,115'-10,117', 10,021'-10,023' w/ 5 SPF, 45 holes.

12/17/2013 Frac w/ 177 bbl 15% HCl & 179,340# sand (100 Mesh & 40/70). Set CBP @ 9980'. Stage 2 - Perf Upper Blinbry @ 9927'-9929', 9833'-9835', 9739'-9741' w/ 5 SPF, 45 holes. Frac w/ 175 bbl 15% HCl & 181,320# sand (100 Mesh & 40/70).

12/18/2013 Set CBP @ 9692'. Stage 3 - Perf Upper Blinbry @ 9645'-9647', 9551'-9553', 9457'-9459' w/ 5 SPF, 45 holes. Frac w/ 176 bbl 15% HCl & 186,000# sand (100 Mesh & 40/70). Set CBP @ 9410'. Stage 4 - Perf Upper Blinbry @ 9363'-9365', 9269'-9271', 9175'-9177' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 167,270# sand (100 Mesh & 40/70). Set CBP @ 9123'. Stage 5 - Perf Upper Blinbry @ 9081'-9083', 8987'-8989', 8893'-8895' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 184,440# sand (100 Mesh & 40/70). Set CBP @ 8846'. Stage 6 - Perf Upper Blinbry @ 8799'-8801', 8705'-8707', 8611'-8613' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 187,130# sand (100 Mesh & 40/70). Set CBP @ 8564'. Stage 7 - Perf Upper Blinbry @ 8517'-8519', 8423'-8425', 8329'-8331' w/ 5 SPF, 45 holes. Frac w/ 181 bbl 15% HCl & 183,040# sand (100 Mesh & 40/70).

(Continued to pg. #2)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Fatima Vasquez

Title Regulatory Analyst II

Date 04/29/2014

Signature

Accepted for record

NMOCD

5/22/14

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

Approved by

Title

Office

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.

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

(Instructions on page 2)

Pending BLM approvals will subsequently be reviewed and scanned

on the United States any false,

**Crow Federal #17H**  
**API #30-015-40991**  
**Apache Corp. (873)**

Completion continued.

Set CBP @ 8282'. Stage 8 - Perf Upper Blinebry @ 8235'-8237', 8141'-8143', 8047'-8049' w/ 5 SPF, 45 holes. Frac w/ 176.7 bbl 15% HCl & 184,180# sand (100 Mesh & 40/70).

Set CBP @ 8010'. Stage 9 - Perf Upper Blinebry @ 7953'-7955', 7859'-7861', 7765'-7767' w/ 5 SPF, 45 holes. Frac w/ 176 bbl 15% HCl & 189,000# sand (100 Mesh & 40/70).

Set CBP @ 7724'. Stage 10 - Perf Upper Blinebry @ 7671'-7673', 7577'-7579', 7483'-7485' w/ 5 SPF, 45 holes.

12/19/2013 Frac w/ 177 bbl 15% HCl & 178,520# sand (100 Mesh & 40/70).

Set CBP @ 7436'. Stage 11 - Perf Upper Blinebry @ 7389'-7391', 7295'-7297', 7201'-7203' w/ 5 SPF, 45 holes. Frac w/ 175 bbl 15% HCl & 188,120# sand (100 Mesh & 40/70).

Set CBP @ 7158'. Stage 12 - Perf Upper Blinebry @ 7107'-7109', 7013'-7015', 6919'-6921' w/ 5 SPF, 45 holes. Frac w/ 181 bbl 15% HCl & 188,660# sand (100 Mesh & 40/70).

Set CBP @ 6878'. Stage 13 - Perf Upper Blinebry @ 6825'-6827', 6731'-6733', 6637'-6639' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 180,670# sand (100 Mesh & 40/70).

Set CBP @ 6590'. Stage 14 - Perf Upper Blinebry @ 6543'-6545', 6449'-6451', 6355'-6357' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 182,240# sand (100 Mesh & 40/70).

Set CBP @ 6308'. Stage 15 - Perf Upper Blinebry @ 6261'-6263', 6167'-6169', 6073'-6075' w/ 5 SPF, 45 holes. Frac w/ 176.7 bbl 15% HCl & 147,670# sand (100 Mesh & 40/70).

01/10/2014 DO plugs #1@ 6308', #2@ 6590', #3@ 6878', #4@ 7158', #5@ 7436', #6@ 7724', #7@ 8010', #8@ 8282', #9@ 8564', #10@ 8846', #11@ 9123', #12@ 9410', & #13@ 9692', #14@ 9980', #15@ 10,290'. Circ hole clean to PBTD @ 10,303'.

01/20/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. Submersible @ 5288'. Desander @ 5377'. ETD @ 5706'.

02/04/2014 POP.