

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 1000 Midland TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 06/19/2015
<sup>4</sup> API Number 30-015-42762	<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 40H

**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	3	17S	31E		2208	FSL	10	FWL	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
L	4	17S	31E		2178.4	FSL	331.1	FWL	EDDY
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 06/19/2015	<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
15694	Navajo Refining Co P/L Division PO Box 159 Artesia NM 88211	O
22115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBD	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
03/13/2014	06/19/2015	9989'	9989'	5635-9989	
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17.5"	13.375 H40	608	710 sx Class C		
12.25	9.625 J55	3500	1410 sx Class C		
7.875	5.5 L80	9968	865 sx Class C		
TUBING	2.875	4720			

**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
06/19/2015	06/19/2015	07/06/2015	24 hrs		
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
290		1932	199	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: *Emily Follis*  
Printed name: EMILY FOLLIS  
Title: Regulatory Analyst I  
E-mail Address: EMILY.FOLLIS@apachecorp.com  
Date: 07/20/2015 Phone: 432-818-1801

OIL CONSERVATION DIVISION  
Approved by: *[Signature]*  
Title: *DISTRICT SUPERVISOR*  
Approval Date: 7-24-15  
Pending BLM approvals will subsequently be reviewed and scanned *[Signature]*

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.  
NMLC029426B

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.  
CROW FEDERAL 40H

9. API Well No.  
30-015-42762

10. Field and Pool, or Exploratory  
FREN;GLORIETA-YESO(26770)

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 SUITE 1000  
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 3 T17S R31E NWSW 2208FSL 10FWL

**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 the well as follows: RR 03/24/2015 TOC @125'  
04/27/15 MIRU FRAC TANKS& ACID TANKS,RU FRAC STACKS  
05/02/15 1560 BBL OF FW IN ACID TANKS FOR ACID PREP  
05/03/15 UNLOAD ACID RU WATER TRANSFER 3500'-5620' NOT TREATED-NOT FRAC'D  
05/04/15 FINISH WATER TRANSFER/TEST FOR LEAKS,WAITING ON ELITE TO MIRU  
FRAC 5620'-9989' TD 9989'  
PACKERS 5620',5635',5867',6144',6421',6708',6982',7254',7528',8078,8351',8624',8890',  
9167',9441',9721', (16 STAGES)  
TOTAL ACID 113,652 BBL  
TOTAL SAND #3,045,600

05/05/15 RDMO FRAC to Crow Federal 41H

**NM OIL CONSERVATION**

ARTESIA DISTRICT

JUL 23 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #309690 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 07/20/2015

**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 *ES*

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 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 #309690 that would not fit on the form**

**32. Additional remarks, continued**

06/04/15 MIRU, RACK & TALLY 5000' NEW 2 7/8" J-55 TBG, NU 5K SPOOL, HYDRAULIC BOP & ANNULAR, RU GE SPOOLERS, RIH W/SENSOR, MOTOR, SEALS, VEE PUMPS, 3 1/2" X 2 7/8" XO ON TBG, CABLE HUNG ON SLIPS, FIELD SPLICE @ 2379', CONT RIH, RD SPOOLERS, LAND HANGER, EOT @ 4720', ND SPOOL, BOP & ANNULAR, RDMO

06/20/15 INSTALL DRIVES ELECTRIC. PLUMB WELL TO BATTERY. START PROD TO BATTERY.  
FINAL REPORT

NOTES:GAPS IN DATES ARE DUE TO PAD DRILLING PROCESSES AND SURROUNDING AEA WATER ISSUES, WHICH HAVE DELAYED COMPLETION OPERATIONS

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

11/23/2015

RECEIVED

5. Lease Serial No. NMLC029426B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. CROW FEDERAL 40H

9. API Well No. 30-015-42762

10. Field and Pool, or Exploratory FREN;GLORIETA-YESO(26770)

11. Sec., T., R., M., or Block and Survey or Area Sec 3 T17S R31E Mer

12. County or Parish EDDY

13. State NM

14. Date Spudded 03/13/2015

15. Date T.D. Reached 03/24/2015

16. Date Completed  D & A  Ready to Prod. 06/19/2015

17. Elevations (DF, KB, RT, GL)\* 3939 GL

18. Total Depth: MD 9989 TVD

19. Plug Back T.D.: MD TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR-CNL-CBL-MWD GAMMA

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  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 H40	48.0	0	608		710			
12.250	9.625 J55	40.0	0	3500		1410			
7.875	5.500 L80	20.0	0	9967		865			

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	4720							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	4996		3500 TO 5620			OPEN HOLE ISOLATED-NON FRA
B)			5620 TO 9989			OPEN HOLE PRODUCING
C)						
D)						

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

Depth Interval	Amount and Type of Material
5620 TO 9989	2843 BBL ACID & 3,166,531 #SAND

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
06/19/2015	07/06/2015	24	▶	290.0	199.0	1932.0	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	
			▶				686	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
			▶					
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



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	565	711	ANHYDRITE, DOLOMITE W	RUSTLER	565
SALADO	711	1766	ANHYDRITE, DOLOMITE W	SALADO	711
TANSIL	1766	1899	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1766
YATES	1899	2180	SANDSTONE O/G/W	YATES	1899
SEVEN RIVERS	2180	2794	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2180
QUEEN	2794	3208	SS, DOLO, LIMESTONE O/G/W	QUEEN	2794
GRAYBURG	3208	3534	DOLO, SS, LIMESTONE O/G/W	GRAYBURG	3208
SAN ANDRES	3534	4996	DOLO, SS, LIMESTONE O/G/W	SAN ANDRES	3534

32. Additional remarks (include plugging procedure):

GLORIETA 4996 - 5067 SANDSTONE O/G/W  
 PADDOCK 5067 - TD DOLOMITE O/G/W  
 BLINEBRY DOLOMITE O/G/W  
 TUBB SANDSTONE O/G/W

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 #309694 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 07/20/2015

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 \*\***