

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/09/18/2014
<sup>4</sup> API Number 30-015-42339	<sup>5</sup> Pool Name RED LAKE, GLORIETA-YESO, NORTHEAST	<sup>6</sup> Pool Code 96836
<sup>7</sup> Property Code 308703	<sup>8</sup> Property Name AAO FEDERAL	<sup>9</sup> Well Number 029

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

UL or lot no. M	Section 1	Township 18S	Range 27E	Lot Idn	Feet from the 360	North/South Line SOUTH	Feet from the 990	East/West line West	County Eddy
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<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> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 09/18/2014	<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
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
NM OIL CONSERVATION		
ARTESIA DISTRICT		
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IV. Well Completion Data

<sup>21</sup> Spud Date 06/16/2014	<sup>22</sup> Ready Date 09/18/2014	<sup>23</sup> TD 4596'	<sup>24</sup> PBDT 4570'	<sup>25</sup> Perforations 3514'-4371'	<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		
13.375"	17.5"	354'	513 sx Class C		
7.875"	5.5"	4596'	900 sx Class C		
Tubing	2-7/8"	4425'			

V. Well Test Data

<sup>31</sup> Date New Oil 09/18/2014	<sup>32</sup> Gas Delivery Date 09/18/2014	<sup>33</sup> Test Date 10/01/2014	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
<sup>37</sup> Choke Size	<sup>38</sup> Oil 59	<sup>39</sup> Water 506	<sup>40</sup> Gas 89		<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: *Paige Futrell*

Printed name:  
Paige Futrell

Title:  
Regulatory Analyst I

E-mail Address:  
Paige.Futrell@apachecorp.com

Date:  
10/13/2014

Phone:  
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

*T. C. Shepard*  
"Geologist"

Approval Date:

10-22-2014

Pending BLM approvals will  
subsequently be reviewed  
and scanned

*TCF*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMNM0557371

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 ☐ Other8. Well Name and No.  
AAO FEDERAL 292. Name of Operator  
APACHE CORPORATIONContact: PAIGE FUTRELL  
E-Mail: paige.futrell@apachecorp.com9. API Well No.  
30-015-423393a. Address  
303 VETERANS AIRPARK LN  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-189310. Field and Pool, or Exploratory  
REDLAKE; GLORIETA-YESO, NE

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

Sec 1 T18S R27E SWSW 360FSL 990FWL  
32.770082 N Lat, 104.237349 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 checked="" 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 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 checked="" 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 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 followed: (RR: 06/22/2014)

06/30/2014: MIRSU. DO float collar & cmt to PBTD @4570. Circ hole clean.  
07/01/2014: Run logs, TOC @surface (CBL). Perf Glorieta/Yeso @3514, 32, 50, 68, 86, 3616, 34, 52, 84, 3702, 21, 38, 83, 3812, 30, 48, 66, 3900, 55, 84, 4017, 40, 4106, 26, 73, 4201, 61, 88, 4302, 21, & 71. W/ 1 SPF 31 holes.  
07/02/2014: Acidize Glorieta/Yeso from 3514-4371, w/ 2806 gals 15% HCl Nefe Acid.  
07/03/2014: POOH w/tbg. & pkr. RDMOSU. SI well. Prep to frac on 07/16/2014.  
08/06/2014: Frac Glorieta/Yeso: w/ 193,494 gals 20#, 296,820# 16/30 sand, and 18,480 gals 10# linear gel.  
08/19/2014: CO well to PBTD @4570.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

OCT 16 2014

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14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #270575 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/13/2014

**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  
*TCS*

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 #270575 that would not fit on the form

### 32. Additional remarks, continued

08/20/2014: RIH w/ 2-7/8" J-55, 6.5# prod tbg, SN @4401, ETD @4425.  
08/21/2014: Clean location, RDMOSU. Build wellhead & lay flowline. Set 640 PU.  
Install elec. SI. wait on AAO FED batt to produce well.  
09/18/2014: Start production to AAO FED South Batt. POP.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0557371

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: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1893		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 360FSL 990FWL 32.770082 N Lat, 104.237349 W Lon At top prod interval reported below SWSW 360FSL 990FWL 32.770082 N Lat, 104.237349 W Lon At total depth SWSW 360FSL 990FWL 32.770082 N Lat, 104.237349 W Lon			8. Lease Name and Well No. AAO FEDERAL 29		
14. Date Spudded 06/16/2014			15. Date T.D. Reached 06/21/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/18/2014			9. API Well No. 30-015-42339		
18. Total Depth: MD TVD 4596			19. Plug Back T.D.: MD TVD 4570		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory REDLAKE; GLORIETA-YESO, NE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS-SGR/HI-RES LL/CN/CAL/SGR/HNGR			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E 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		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3604 GL		

## 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 H-40	48.0	354			513		0	
7.875	5.500 L-80	17.0	4596			900		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	4425							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3514	4371	3514 TO 4371	1.000	31	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3514 TO 4371	2806 ACID, 296,820# SAND, 18,480 GAL 10# GEL, 193,494 GAL 20#

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ARTESIA DISTRICT

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## 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
09/18/2014	10/01/2014	24	→	59.0	89.0	506.0	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	
			→				1508	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 Gravi	
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	
			→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned  
TCS

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #270574 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
YATES	275	529	SHALE,SS*,ANHYDRITE/WATER	YATES	275
SEVEN RIVERS	529	1128	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	529
GRAYBURG	1612	1960	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1612
SAN ANDRES	1960	3511	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1960
GLORIETA	3511	3564	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3511
YESO	3564	3651	DOLOMITE/ O,G,W	YESO	3564
PADDOCK	3651	4064	DOLOMITE/ O,G,W	PADDOCK	3651
BLINEBRY	4064		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	4064

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

Formation tops continued:

Water table-water formation above Yates-Not logged.  
Queen: 1128'-1612' Siltstone, sandstone, anhydrite/Water.  
There is not a base salt.

SS\*: Siltstone

## 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 #270574 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 10/13/2014

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 #270574 that would not fit on the form**

**32. Additional remarks, continued**

Dol\*: Dolomite

O,G,W\*: Oil, Gas, Water

Attachments- Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 09/18/2014.