

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 30-015-42359	<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 #027

**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
K	1	18S	27E		1960	South	2063	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
K	1	18S	27E		1676	South	1674	West	Eddy

<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code	<sup>14</sup> Gas Connection Date	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
F	P	09/18/2014			

**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

**IV. Well Completion Data**

<sup>21</sup> Spud Date 07/03/2014	<sup>22</sup> Ready Date 09/18/2014	<sup>23</sup> TD 4630'	<sup>24</sup> PBTD 4615'	<sup>25</sup> Perforations 3476'-4430'	<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	357'		830 sx Class C
8-5/8"		11"	398'		210 sx Class C
7.875"		5.5"	4630'		850 sx Class C
Tubing		2-7/8"	4491'		

**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
09/18/2014	09/18/2014	10/04/2014	24 hrs		
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas		<sup>41</sup> Test Method
	163	486	138		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:  
10/29/2014

Phone:  
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

*[Signature]*  
*Dist. P. Spewison*  
*10/29/14*

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.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0557371
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1893	8. Well Name and No. AAO FEDERAL 27
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T18S R27E NESW 1960FSL 2063FWL 32.774438 N Lat, 104.233914 W Lon		9. API Well No. 30-015-42359
		10. Field and Pool, or Exploratory REDLAKE;GLORIETA-YESO,NE
		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 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 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: 07/11/2014)

07/12/2014: MIRSU. DO float collar & cmt to PBTD @4615. Circ hole clean.  
07/18/2014: Run logs, from PBTD to SF (CBL). TOC @284 FS. Perf Glorieta/Yeso @3476,96,3525,51,69,87,3634,52,70,3702,25,55,74,93,3810,53,3905,30,48,4060,85,4111,37,55,92,4224,42,70,4302,20,42,78,96,4412,30, w/ 1 SPF 35 holes.  
07/21/2014: Acidize Glorieta/Yeso, w/ 3500 gals 15% HCl Nefe Acid, 110 gal SCW-358 inhib & 55 gal CRW-172 corrosion inhib. Clean location. RDMOSU.  
08/07/2014: Frac Glorieta/Yeso: w/ 216,258 gals 20#,300,000# 16/30 sand, and 3360 gals 10# linear gel. Pump pad, brown sand stages, siberprop

Accepted for record  
fRD NMDCD 10/29/14

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

OCT 22 2014

**RECEIVED**

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

**Electronic Submission #271138 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 10/15/2014

**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

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 make 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 #271138 that would not fit on the form**

**32. Additional remarks, continued**

sand stage & flush.

09/12/2014: RIH w/ bailer & CO to PBTD @4615.

09/15/2014: RIH w/ 2-7/8" J-55,6.5# prod tbg, SN @4466,ETD @4491.

09/16/2014: RIH w/pump and rods. 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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other2. Name of Operator  
APACHE CORPORATION Contact: PAIGE FUTRELL  
E-Mail: paige.futrell@apachecorp.com8. Lease Name and Well No.  
AAO FEDERAL 273. Address 303 VETERANS AIRPARK LN  
MIDLAND, TX 797053a. Phone No. (include area code)  
Ph: 432-818-18939. API Well No.  
30-015-42359

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NESW Lot 1 1960FSL 2063FWL 32.774438 N Lat, 104.233914 W Lon

At top prod interval reported below NESW Lot 1 1960FSL 2063FWL 32.774438 N Lat, 104.233914 W Lon

At total depth NESW 1676FSL 1674FWL

10. Field and Pool, or Exploratory  
REDLAKE;GLORIETA-YESO,NE11. Sec., T., R., M., or Block and Survey  
or Area Sec 1 T18S R27E Mer12. County or Parish  
EDDY 13. State  
NM14. Date Spudded  
07/03/201415. Date T.D. Reached  
07/06/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/18/201417. Elevations (DF, KB, RT, GL)\*  
3604 GL18. Total Depth: MD  
TVD 463019. Plug Back T.D.: MD  
TVD 461520. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
BHPL/BHCS/CN/HI-RESLL/SGR/BHCS-TVD/BHPL-TVD/SGR-TV22. 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 H-40	48.0	357			830		0	
11.000	8.625 J-55	24.0	398			210		0	
7.875	5.500 L-80	17.0	4630			850		-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	4491							

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3476	4430	3454 TO 4225	1.000	30	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3476 TO 4430	3500 ACID, 300,000# SAND, 3360 GAL 10# GEL, 216,258 GAL 20#

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
OCT 22 2014

## 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	10/04/2014	24	→	163.0	138.0	486.0	37.0		<b>RECEIVED</b> 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	
			→				847	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

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

ELECTRONIC SUBMISSION #271134 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	247	497	SHALE,SS*,ANHYDRITE/WATER	YATES	247
SEVEN RIVERS	497	1084	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	497
GRAYBURG	1570	1923	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1570
SAN ANDRES	1923	3471	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1923
GLORIETA	3471	3508	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3471
YESO	3508	3583	DOLOMITE/ O,G,W	YESO	3508
PADDOCK	3583	4029	DOLOMITE/ O,G,W	PADDOCK	3583
BLINEBRY	4029		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	4029

32. Additional remarks (include plugging procedure):  
Formation tops continued:

Water table-water formation above Yates-Not logged.  
Queen: 1084'-1570' 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 #271134 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 10/15/2014

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 #271134 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.