

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 NM/09/18/2014
<sup>4</sup> API Number 30-015-42360	<sup>5</sup> Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST <i>10</i>	<sup>6</sup> Pool Code 96836
<sup>7</sup> Property Code 308703	<sup>8</sup> Property Name AAO FEDERAL	<sup>9</sup> Well Number 030

**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
M	1	18-S	27-E		1261	SOUTH	281	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
L	1	18S	27E		1649	SOUTH	345	WEST	EDDY

<sup>12</sup> Lsc 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
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**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

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ARTESIA DISTRICT  
OCT 16 2014  
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**IV. Well Completion Data**

<sup>21</sup> Spud Date 07/20/2014	<sup>22</sup> Ready Date 09/18/2014	<sup>23</sup> TD 4613' <i>4500'</i>	<sup>24</sup> PBTD 4599'	<sup>25</sup> Perforations 3338'-4400'	<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"	360'	530 sx Class C		
7-7/8"	5-1/2"	4613'	850 sx Class C		
Tubing	2-7/8"	4489'			

**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 10/06/2014	<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 70	<sup>39</sup> Water 81	<sup>40</sup> Gas 41		<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: <i>Paige Futrell</i> Printed name: Paige Futrell Title: Regulatory Analyst I E-mail Address: Paige.Futrell@apachecorp.com Date: 10/09/2014 Phone: 432-818-1893	OIL CONSERVATION DIVISION
	Approved by: <i>T. C. Shepard</i>
	Title: <b>"Geologist"</b>
	Approval Date: <i>10-22-2014</i>
	Pending BLM approvals will subsequently be reviewed and scanned <i>TCS</i>

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.  
NMNMO557371

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.  
AAO FEDERAL 30

2. Name of Operator  
APACHE CORPORATION  
Contact: PAIGE FUTRELL  
E-Mail: paige.futrell@apachecorp.com

9. API Well No.  
30-015-42360

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

3b. Phone No. (include area code)  
Ph: 432-818-1893

10. 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 1261FSL 281FWL  
32.772587 N Lat, 104.239709 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 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 followed: (RR 07/27/2014)

- 07/30/2014: DO float collar & cmt to PBTD@ 4599'. Circ hole clean.
- 07/31/2014: Run log (CBL). Estimated TOC@ surface. PerfGlorieta/Yes@3338,56,74 92,3424,42,60,82,3500,22,40,58,3600,18,36,55,73,3718,39,71,97,3836 74,3900,79,4024,64,4105,25,80,4284,4304,4400&4418 @1 SPF 34 holes.
- 08/01/2014: Acidize Glorieta/Yeso from 3338-4418 w/3893 gal 15% HCL NEFE Acid.
- 08/04/2014: POOH w/tbg. RDMSU.
- 08/12/2014: Frac from 3338-4418, pump pad w/ 329,622# brown san stages, siberprop sand stage and flush. SI well.
- 08/29/2014: MIRUSU NU BOP. RIH w/bailer.
- 09/02/2014: CO sand to 4535'.

**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 #269737 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 10/09/2014

**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  
*JCS*

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

**Additional data for EC transaction #269737 that would not fit on the form**

**32. Additional remarks, continued**

09/03/2014: CO sand to PBSD @4599.

09/04/2014: RIH w/ 2-7/8" J-55,6.5# prod tbg, ETD @4489,SN@4465.

09/05/2014: Clean location. Build wellhead & lay flowline.

09/18/2014: Set Ampscot 640 pumping Unit. Start prod. to AAO FED South Batt.POP

OCT 16 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM0557371

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1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
Other \_\_\_\_\_

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 1261FSL 281FWL 32.772587 N Lat, 104.239709 W Lon  
At top prod interval reported below SWSW 1261FSL 281FWL 32.772587 N Lat, 104.239709 W Lon  
At total depth NWSW 1649FSL 345FWL

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. AAO FEDERAL 30

9. API Well No. 30-015-42360

10. Field and Pool, or Exploratory REDLAKE;GLORIETA-YESO,NE

11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer

12. County or Parish EDDY 13. State NM

14. Date Spudded 07/20/2014 15. Date T.D. Reached 07/25/2014 16. Date Completed  D & A  Ready to Prod. 09/18/2014

17. Elevations (DF, KB, RT, GL)\* 3570 GL

18. Total Depth: MD 4613 TVD 19. Plug Back T.D.: MD 4599 TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CM-NL,BN,CS,HIGH-RES,LAT,CL

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 H-40	48.0	360			530		0	
7.875	5.500 L-80	17.0	4613			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		4489						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3338	4400	3338 TO 4400	1.000	34	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3338 TO 4400	3893 GAL ACID, 329,662# SAND, 3318 GAL 10# GEL, 6753 GAL 20#

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	10/06/2014	24	▶	70.0	81.0	434.0	37.0		ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. St	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			▶				1157		

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	Production Method
			▶						
Choke Size	Tbg. Press. Flwg. St	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  
TCS

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

ELECTRONIC SUBMISSION #269715 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.)  
CAPTURED

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	206	456	SHALE,SS*,ANHYDRITE/ WATER	YATES	206
SEVEN RIVERS	456	1029	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	456
GRAYBURG	1503	1849	DOL*,SS*,SANDSTONE/ O,G,W*	GRAYBURG	1503
SAN ANDRES	1849	3336	DOL*,CHERT/ OIL, GAS, WATER	1849	3080
GLORIETA	3336	3393	DOL,SS*/ OIL, GAS, WATER	GLORIETA	3336
YESO	3393	3466	DOLOMITE/ OIL, GAS, WATER	YESO	3393
PADDOCK	3466	3887	DOLOMITE/ OIL, GAS, WATER	PADDOCK	3466
BLINEBRY	3387		DOL*,SS*,SANDSTONE/ O,G,W*	BLINEBRY	3387

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

Water table-water formation above Yates-Not logged.  
There is not a base salt.  
Queen T-1029' B-1503' Siltstone,sandstone,anhydrite/ water.  
Blinbery-Didn't drill deep enough for a bottom depth.

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 #269715 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 10/09/2014

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.

**Additional data for transaction #269715 that would not fit on the form**

**32. Additional remarks, continued**

SS\*: Siltstone  
Dol\*: Dolomite  
O,G,W\*: Oil, Gas, Water

Attachments- Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 10/09/2014.