

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 / 10/08/2014
<sup>4</sup> API Number 30-015-42035	<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 #018

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

UI or lot no. G	Section 1	Township 18S	Range 27E	Lot Idn	Feet from the 2310	North/South Line NORTH	Feet from the 1650	East/West line EAST	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> Lsc Code P	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 10/08/2014	<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
15694	Navajo Refining Co P/L Division PO Box 159 Artesia NM 88211	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
NM OIL CONSERVATION ARTESIA DISTRICT OCT 31 2014 RECEIVED		

IV. Well Completion Data

<sup>21</sup> Spud Date 08/09/2014	<sup>22</sup> Ready Date 10/08/2014	<sup>23</sup> TD 4518'	<sup>24</sup> PBTD 4500'	<sup>25</sup> Perforations 3471'-4306'	<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		
17.5"	13.375"	352'	530 sx Class C		
7.875"	5.5	4518'	950 sx Class C		
Tubing	27/8"	4359'			

V. Well Test Data

<sup>31</sup> Date New Oil 10/08/2014	<sup>32</sup> Gas Delivery Date 10/08/2014	<sup>33</sup> Test Date 10/23/2014	<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 30	<sup>39</sup> Water 368	<sup>40</sup> Gas 31		<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:

Printed name:  
Paige Futrell

Title:  
Regulatory Analyst I

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

Date:  
10/28/2014

Phone:  
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will  
subsequently be reviewed  
and scanned

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

OCT 31 2014

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

FORM 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			8. Lease Name and Well No. AAO FEDERAL 18		
3. Address    303 VETERANS AIRPARK LN MIDLAND, TX 79705			9. API Well No. 30-015-42035		
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    NWNE 2310FNL 1650FEL 32.776911 N Lat, 104.228952 W Lon At top prod interval reported below    NWNE 2310FNL 1650FEL 32.776911 N Lat, 104.228952 W Lon At total depth    NWNE 2310FNL 1650FEL 32.776911 N Lat, 104.228952 W Lon			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 08/09/2014		15. Date T.D. Reached 08/15/2014	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/08/2014		17. Elevations (DF, KB, RT, GL)* 3654 GL
18. Total Depth:    MD TVD    4518		19. Plug Back T.D.:    MD TVD    4500		20. Depth Bridge Plug Set:    MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMP. NEUT. GAMMA/SECTOR BOND GAMMA				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)	

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	352			530		0	
7.875	5.500 L-80	17.0	4518			950		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	4359							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3471	4306	3471 TO 4306	1.000	31	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3471 TO 4306	3948 ACID, 319,159# SAND, 3360 GAL 10# GEL, 232,764 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
10/08/2014	10/23/2014	24	→	30.0	31.0	368.0	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	
							1033	DOWN	

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. 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 #274410 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

42035

## 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	294	545	SHALE, SS*, ANHYDRITE/WATER	YATES	294
SEVEN RIVERS	545	895	SHALE, SS*, ANHYDRITE, DOL*/O, G, W	SEVEN RIVERS	545
GRAYBURG	1594	1935	DOL*, SS*, SANDSTONE/O, G, W*	GRAYBURG	1594
SAN ANDRES	1935	3453	DOLOMITE, CHERT/O, G, W*	SAN ANDRES	1935
GLORIETA	3453	3500	DOLOMITE, SANDSTONE/O, G, W*	GLORIETA	3453
YESO	3500	3561	DOLOMITE/ O, G, W	YESO	3500
PADDOCK	3561	3968	DOLOMITE/ O, G, W	PADDOCK	3561
BLINEBRY	3968		DOL*, SS*, SANDSTONE/O, G, W*	BLINEBRY	3968

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

Water table-water formation above Yates-Not logged.  
Bowers SS: 895'-1127' Sandstone  
Queen: 1127'-1594' Siltstone, sandstone, anhydrite/Water.  
There is not a base salt.

## 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 #274410 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 10/28/2014

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.

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42035

**Additional data for transaction #274410 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 10/28/2014.