

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 / 06/05/2014
<sup>4</sup> API Number 30-01541989	<sup>5</sup> Pool Name CEDAR LAKE; GLORIETA-YESO	<sup>6</sup> Pool Code 96831
<sup>7</sup> Property Code 308738	<sup>8</sup> Property Name TONY FEDERAL	<sup>9</sup> Well Number 48

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

UL or lot no. L	Section 18	Township 17S	Range 31E	Lot Idn	Feet from the 1650	North/South Line FSL	Feet from the 800	East/West line FWL	County EDDY
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<sup>11</sup> Bottom Hole Location

UL or lot no. L	Section 18	Township 17S	Range 31E	Lot Idn	Feet from the 1650	North/South line FSL	Feet from the 990	East/West line FWL	County EDDY
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<sup>12</sup> Lse Code	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 06/05/2014	<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
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia, NM 88210	O
NM OIL CONSERVATION ARTESIA DISTRICT JAN 16 2015 RECEIVED		

IV. Well Completion Data

<sup>21</sup> Spud Date 04/18/2014	<sup>22</sup> Ready Date 06/05/2014	<sup>23</sup> TD 6416	<sup>24</sup> PBDT 6370	<sup>25</sup> Perforations 4586-6276	<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 H-40 48#	335'	610 sx Class C		
11	8.625 J-55 32#	3508'	1380 sx Class C		
7.875	5.5 J-55 17#	6376'	920 sx Class C		
Tubing	2.875 J-55 EUE 8RD 6.5#	4487.22			

V. Well Test Data

<sup>31</sup> Date New Oil 06/05/2014	<sup>32</sup> Gas Delivery Date 06/05/2014	<sup>33</sup> Test Date 06/29/2014	<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 75	<sup>39</sup> Water 149	<sup>40</sup> Gas 224		<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: *Emily Jellis*

Printed name:  
Emily Jellis

Title:  
Regulatory Analyst I

E-mail Address:  
emily.jellis@apachecorp.com

Date:  
01/09/2015

Phone:  
432-818-1801

Approved by:

*RD*

Title:

*Dist. & Supervisor*

Approval Date:

*2/4/15*

Pending BLM approvals will  
subsequently be reviewed  
and scanned *AD*

*BAL?*

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.  
NMLC029395A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
TONY FEDERAL 489. API Well No.  
30-015-4198910. Field and Pool, or Exploratory  
CEDAR LAKE:GLORIETA-YESO

11. County or Parish, and State

EDDY COUNTY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATIONContact: EMILY FOLLIS  
E-Mail: emily.follis@apachecorp.com3a. Address  
303 VETERANS AIRPARK LANE, SUITE 1000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432-818-1801

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

Sec 18 T17S R31E NWSW 1650FSL 800FWL

**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 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 has completed the well as follows 3160-4

04/30/2014 rig release-log perf perf lower blinbry/tubb 5856-6202, 18 holes 37"-42"

05/19/2014 Stage 1 Frac Lower Blinbry perf 18 holes 37"-42" 5856-6276', #10 gel 77 bbl, #20 gel 2939, acid 116bbl, acid 90bbl, 16/30 proppant 149,900#

Stage #2 Frac Blinbry 5102-5758 perf 25 holes 37"-42" ,#10 gel 94 bbl, #20 gel 94 bbl, ACID 115 BBL, PROPPANT 16/30 243,453#

Stage #3 Frac Paddock,perf 24 holes 37"-42",4586-5050, #10 gel 103 bbl, #20 gel 3868, 16/30 proppant 20,558#

05/23/2014 PREP TO DO CBP'S

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

**Electronic Submission #287653 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST I

Signature (Electronic Submission)

Date 01/12/2015

**THIS SPACE FOR FEDERAL OR STATE**

Approved By

Title

Date

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 *AD*

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 #287653 that would not fit on the form**

**32. Additional remarks, continued**

05/27/2014 SD SI WELL,SDFN PREP TO POOH W/TBG & BIT RIH W/PROD EQUIP  
05/28/2014 RIH W/PUMP & RODS, BUILD WELLHEAD & LAY FLOWLINE  
05/29/2014 SET AMPSCOT 640-365-168

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JAN 16 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
RECEIVED5. Lease Serial No.  
NMLC029395A1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
APACHE CORPORATION Contact: EMILY FOLLIS  
E-Mail: EMILY.FOLLIS@APACHECORP.COM8. Lease Name and Well No.  
TONY FEDERAL 483. Address 303 VETERANS AIRPARK LANE  
MIDLAND, TX 797073a. Phone No. (include area code)  
Ph: 432-818-18019. API Well No.  
30-015-41989

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

Sec 18 T17S R31E Mer  
At surface NWSW 1650FSL 800FWLAt top prod interval reported below  
Sec 18 T17S R31E Mer  
At total depth NWSW 1650FSL 990FWL10. Field and Pool, or Exploratory  
CEDAR LAKE; GLORIETA-YESA11. Sec., T., R., M., or Block and Survey  
or Area Sec 18 T17S R31E Mer12. County or Parish  
EDDY COUNTY13. State  
NM14. Date Spudded  
04/18/201415. Date T.D. Reached  
04/29/201416. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/29/201417. Elevations (DF, KB, RT, GL)\*  
3760 GL18. Total Depth: MD 6416  
TVD19. Plug Back T.D.: MD 6370  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
SBGR-CCL22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0		335		610		0	
11.000	8.625 J-55	32.0		3508		1380		0	
7.875	5.500 J-55	17.0		6376		920		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	6348							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4586	5050	4586 TO 5050		24	PRODUCING
B) UPPER BLINBRY	5102	5758	5102 TO 5758		25	PRODUCING
C) LOWER BLINBRY	5856	6276	5856 TO 6276		18	PRODUCING
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4586 TO 6276	#10 GEL 274 BBL, #20 GEL 11,514 BBL, 16/30 PROPPANT #413,911, ACID 321 BBL

## 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
06/05/2014	06/29/2014	24	→	75.0	224.0	149.0	38.0		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	
			→				2987		

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio
			→				

Pending BLM approvals will  
subsequently be reviewed  
and scanned *AD*

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

ELECTRONIC SUBMISSION #287655 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
RUSTLER	286	518	SANDSTONE/ANHYDRITE	RUSTLER	286
TANSIL SALT	518	1341	SALT	TANSIL SALT	518
BOTTOM SALT	1341	1484	SALT	BOTTOM SALT	1341
YATES	1484	1762	SANDSTONE	YATES	1484
SEVEN RIVERS	1762	2373	SANDSTONE/CARBONATE	SEVEN RIVERS	1762
QUEEN	2373	3110	SANDSTONE/CARBONATE	QUEEN	2373
SAN ANDRES	3110	4582	CARBONATE	SAN ANDRES	3110
GLORIETA	4582	4651	SANDSTONE	GLORIETA	4582

32. Additional remarks (include plugging procedure):  
PADDOCK - 4651-5096 DOLOMITE  
BLINBRY 5096-6105 DOLOMITE  
TUBB 6105 - TD SANDSTONE

## 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 #287655 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLISTitle REGULATORY ANALYST I

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

Date 01/12/2015

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 \*\***