

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  
NM OIL CONSERVATION  
ARTESIA DISTRICT

Form C-104  
Revised August 1, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

JAN 28 2015 one copy to appropriate District Office

RECEIVED

☐ 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 / 06/14/2014
<sup>4</sup> API Number 30-015-42000	<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 #54

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

UL or lot no. c	Section 19	Township 17S	Range 31E	Lot Idn	Feet from the 295	North/South Line FNL	Feet from the 1140	East/West line FWL	County EDDY
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<sup>11</sup> Bottom Hole Location

UL or lot no. I	Section 19	Township 17S	Range 31E	Lot Idn	Feet from the 330	North/South line FNL	Feet from the 330	East/West line FWL	County EDDY
<sup>12</sup> Lse Code P	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 06/14/2014	<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
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O

IV. Well Completion Data

<sup>21</sup> Spud Date 04/26/2014	<sup>22</sup> Ready Date 06/14/2014	<sup>23</sup> TD 6410 6407	<sup>24</sup> PBTD 6390	<sup>25</sup> Perforations 4570-6290	<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#	327'	900 sx Class C		
11	8.625 H-40 32#	3508'	1660 sx Class C		
7.875	5.5 J-55 17#	6410'	950 sx Class C		
Tubing	2-7/8 EUE 8RD	4486'			

V. Well Test Data

<sup>31</sup> Date New Oil 06/14/2014	<sup>32</sup> Gas Delivery Date 06/14/2014	<sup>33</sup> Test Date 06/21/2014	<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 110	<sup>39</sup> Water 220	<sup>40</sup> Gas 296		<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 Follis*  
Printed name:  
Emily Follis

Title:  
Reg Analyst I

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

Date:  
01/12/2014

Phone:  
432-818-1801

OIL CONSERVATION DIVISION

Approved by: *[Signature]*  
Title: *Asst. Dir. Operations*  
Approval Date: *2/4/15*

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 20 2015

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.  
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 549. API Well No.  
30-015-4200010. 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 ☐ Other

2. Name of Operator

APACHE CORPORATION

Contact: EMILY FOLLIS

E-Mail: emily.follis@apachecorp.com

3a. Address

303 VETERANS AIRPARK LANE, SUITE 1000  
MIDLAND, TX 79705

3b. Phone No. (include area code)

Ph: 432-818-1801

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

Sec 19 T17S R31E NENW 295FNL 1140FWL

**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 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 recompleat 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 THIS WELL AS FOLLOWS: 3160-5 SUNDRY

05/06/2014 RIG DOWN

05/09/2014 2-7/8 TO PBD @ 6400'

05/12/2014 PERF LOWER BLINBRY 5730-6290 23 HOLES 37"-42" PREP TO ACIDIZE

05/13/2014 ACIDIZE LOWER BLINBRY/TUBB 5730-6290 DROP 46 7/8 1.3 BALL SEALERS  
PREP TO FRAC

05/29/2014 STAGE 1 FRAC 5730-6290 (23 HOLES) 199,014# PROPPANT, 1008 GAL ACID

STAGE 2 PERF UPPER BLINBRY 5091-5660 25 HOLES ACID JOB 3637 GAL 15% BREAKDOWN PERFS 119 FLUSH, BALL

OUT WITH 40 BALLS,FRAC UNPER BLINBRY 5091-5660 1050 GAL ACID, 225,638# PROPPANT STAGE 3: PERF  
PADDOCK 4570-5029 HOLES, ACID JOB 3654 GAL ACID, 118 FLUSH GGOD BALL ACTION NO BALL OUT, STAGE 3  
FRAC:4570-5029

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

**Electronic Submission #288213 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 01/15/2015

**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 #288213 that would not fit on the form**

**32. Additional remarks, continued**

226,946# PROPPANT

06/05/2014 PREP TO DO CBP & CIRC HOLE CLEAN TO PBTD

06/06/2014 RIH W/PROD EQUIP

06/09/2014 RIH W/ 2-7/8" J-55 138 JTS TBG @ 6345 PREP TO RIH W/PUMP & TAC SET @ 4496.57 W/14PTS  
PREP TO RIH W/PUMP & RODS

06/10/2014 PREP TO SET PUMPING UNIT PUMPING UNIT, BUILD WELLHEAD & LAY FLOWLINE SI WELL

06/18/2014 SET AMPSCOT 640-365-168 INSTALL ELEC

## NM OIL CONSERVATION

ARTESIA DISTRICT

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

JAN 20 2015

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC029395A		
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 _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator APACHE CORPORATION			8. Lease Name and Well No. TONY FEDERAL 54		
Contact: EMILY FOLLIS E-Mail: emily.follis@apachecorp.com			7. Unit or CA Agreement Name and No.		
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705			9. API Well No. 30-015-42000		
3a. Phone No. (include area code) Ph: 432-818-1801			10. Field and Pool, or Exploratory CEDAR LAKE:GLORIETA-YESO		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 19 T17S R31E Mer NENW Lot C 295FNL 1140FWL At top prod interval reported below Sec 19 T17S R31E Mer At total depth NESE Lot I 330FNL 990FWL			11. Sec., T., R., M., or Block and Survey or Area Sec 19 T17S R31E Mer		
14. Date Spudded 04/26/2014			15. Date T.D. Reached 05/06/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/10/2014			17. Elevations (DF, KB, RT, GL)* 3714 GL		
18. Total Depth: MD TVD 6412		19. Plug Back T.D.: MD TVD 6390		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SPEC GR:DENSITY:NUETRON:DUAL LL/MSFL:SONIC:CALIPER			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	0	287		900			
11.000	8.625 J-55	32.0	0	3508		1210			
7.875	5.500 J-55	17.0	0	6410		950			

## 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	6345							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) LOWER BLINEBREY	5730	6290	4570 TO 5029		27	PRODUCING
B) UPPER BLINEBREY	5091	5660	5091 TO 5660		25	PRODUCING
C) PADDOCK/GLORIETA	4570	5029	5730 TO 6290		23	PRODUCING
D)						

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

Depth Interval	Amount and Type of Material
4570 TO 6290	ACID 313BBL, 10%GEL 304BBL, 20% GEL 12,636 BBL, 16/30 PROPPANT #651,598

## 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
06/14/2014	06/21/2014	24	→	110.0	296.0	220.0	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	
			→				2691	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 Sta.
			→					

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

ELECTRONIC SUBMISSION #288218 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

## 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	247	406	SANDSTONE/ANHYDRITE	RUSTLER	247
TANSIL SALT	406	1254	SALT	TANSIL SALT	406
BOTTOM SALT	1254	1414	SALT	BOTTOM SALT	1254
YATES	1414	1722	SANDSTONE	YATES	1414
SEVEN RIVERS	1722	2333	SANDSTONE/CARBONATE	SEVEN RIVERS	1722
QUEEN	2333	3066	SANDSTONE/CARBONATE	QUEEN	2333
SAN ANDRES	3066	4553	CARBONATE	SAN ANDRES	3066
GLORIETA	4553	4630	SANDSTONE	GLORIETA	4553

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

PADDOCK 4630 - 5097 DOLOMITE  
BLINEBRY 5097 - 6151 DOLOMITE  
TUBB 6151 - 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 #288218 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLISTitle REGULATORY ANALYST ISignature (Electronic Submission)Date 01/15/2015

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 \*\***