

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 **NM OIL CONSERVATION**  
Energy, Minerals & Natural Resources **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**

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
c	19	17S	31E		295	FNL	1140	FWL	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
I	19	17S	31E		330	FNL	330	FWL	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	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBD	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
04/26/2014	06/14/2014	6410 / 6407	6390	4570-6290	
<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	<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
06/14/2014	06/14/2014	06/21/2014	24 hrs		
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
	110	220	296	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. Mgr. Spewison*  
Approval Date: *2/4/15*

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

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.

**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

8. Well Name and No.  
TONY FEDERAL 54

9. API Well No.  
30-015-42000

10. Field and Pool, or Exploratory  
CEDAR LAKE:GLORIETA-YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 19 T17S R31E NENW 295FNL 1140FWL

11. County or Parish, and State  
EDDY COUNTY COUNTY, NM

**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 Production Start-up
	<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 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 BLINEBRY/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 to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**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

JAN 20 2015

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED**

5. Lease Serial No.  
NMLC029395A

1a. 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.com**

8. Lease Name and Well No.  
**TONY FEDERAL 54**

3. Address **303 VETERANS AIRPARK LANE SUITE 1000** 3a. Phone No. (include area code)  
**MIDLAND, TX 79705** Ph: **432-818-1801**

9. API Well No. **30-015-42000**

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**

10. Field and Pool, or Exploratory  
**CEDAR LAKE:GLORIETA-YESO**

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 19 T17S R31E Mer**

12. County or Parish **EDDY COUNTY** 13. State **NM**

14. Date Spudded **04/26/2014** 15. Date T.D. Reached **05/06/2014** 16. Date Completed  D & A  Ready to Prod.  
**06/10/2014**

17. Elevations (DF, KB, RT, GL)\*  
**3714 GL**

18. Total Depth: **MD 6412** 19. Plug Back T.D.: **MD 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?  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	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)						

26. Perforation Record

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.
			▶					

Pending BLM approvals will subsequently be reviewed and scanned

(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 \*\***

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 FOLLIS Title REGULATORY ANALYST I

Signature (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.