

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 LN. MIDLAND TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> Reason for Filing Code/ Effective Date NW - 7/2/14
<sup>4</sup> API Number 30 - 015-42190	<sup>5</sup> Pool Name CEDAR LAKE; GLORIETA - YESO	<sup>6</sup> Pool Code 96831
<sup>7</sup> Property Code 308720	<sup>8</sup> Property Name LEE FEDERAL	<sup>9</sup> Well Number 79

**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
L	20	T17S	31E		1710	S	330	W	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
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 7/2/2014	<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
252293	HOLLY ENERGY PIPELINE 311 W QUAY ARTESIA NM 88210	O
22115	FRONTIER FIELD SERVICES LLC 4200 EAST SKELLY DRIVE STE. 700 TULSA OK 74135	G
<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT DEC 08 2014 RECEIVED		

**IV. Well Completion Data**

<sup>21</sup> Spud Date 5/14/14	<sup>22</sup> Ready Date 7/2/14	<sup>23</sup> TD 6415	<sup>24</sup> PBTB 6400	<sup>25</sup> Perforations 4650 - 6253	<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 H-40	350	700 SX CLASS C		
11	8 5/8 J-55	3514	1370 SX CLASS C		
7 7/8	5 1/2 J-55	6415	1010 SX CLASS C		
TUBING	2 7/8	6374			

**V. Well Test Data**

<sup>31</sup> Date New Oil 7/5/14	<sup>32</sup> Gas Delivery Date 7/2/14	<sup>33</sup> Test Date 7/5/14	<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 87	<sup>39</sup> Water 245	<sup>40</sup> Gas 70		<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>Sandra J. Belt</i>	OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i>
Printed name: SANDRA J. BELT	Title: <i>Dist J Spawen</i>
Title: SR. REGULATORY ANALYST	Approval Date: <i>12/18/14</i>
E-mail Address: Sandra.belt@apachecorp.com	
Date: 12/4/14	Phone: 432-818-1962

Pending BLM approvals will subsequently be reviewed and scanned

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.  
NMLC029395B

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
LEE FEDERAL 79

2. Name of Operator  
APACHE CORPORATION  
Contact: SANDRA J BELT  
E-Mail: sandra.belt@apachecorp.com

9. API Well No.  
30-015-42190

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

3b. Phone No. (include area code)  
Ph: 432-818-1962  
Fx: 432-818-1193

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T17S R31E 1710FSL 330FWL  
32.817321 N Lat, 103.898840 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 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 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 wishes to report the completion of this well as follows.

5-30-14: MIRU Weatherford perforate the Lower Blinebry zone @ 5730, 50, 62, 85, 5802, 17, 50, 69, 92, 5906, 20, 40, 64, 83, 6000, 18, 35, 52, 67, 99, 6120, 40, 60, 80, 6205, 22 & 53'. (1 JSPF) (27 holes).

6-2-14: Spot 504 gals across perms. MIRU Petroplex Serv. Acidize Lower Blinebry from 5730'-6253' W/3318 gals 15% HCL NEFE Acid. RD Petroplex. Prep to frac.

06-18-2014: RU Baker Hughes frac Lower Blinebry. Pump 186,538# 16/30 Brown, 37,124# 16/30 Siber Prop. Spot 1050 gal. 15% HCL. Perforate the Upper Blinebry @ 5248, 67, 79, 94, 5308, 21, 40, 57, 80, 91, 5410, 30, 50, 70, 90, 5510, 32, 50, 70, 95, 5608, 25, 38, 50 & 66'. (1 JSPF) (25 holes).

**NM OIL CONSERVATION**  
ARTESTA DISTRICT

DEC 08 2014

RECEIVED

APD - 12/18/14  
Accepted for record  
NMOCD

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

Electronic Submission #284127 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad

Name (Printed/Typed) SANDRA J BELT

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/04/2014

**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 \_\_\_\_\_

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ending BLM approvals will  
ubsequently be reviewed  
nd scanned

ment or agency of the United

## Additional data for EC transaction #284127 that would not fit on the form

### 32. Additional remarks, continued

Pump 4662 Gal 15% HCL. RU Baker Hughes, frac Upper Blinebry @ 5248, 67, 79, 94, 5308, 21, 40, 57, 80, 91, 5410, 30, 50, 70, 90, 5510, 32, 50, 70, 95, 5608, 25, 38, 50 & 66'. (1 JSPF) (25 holes).  
PUMP 166,136# 16/30 Brown, 36,832# 16/30 Siber Prop. Spot 1050 gal. 15% HCL. Perforate the Paddock/Glorieta @ 4650, 56, 83, 98, 4717, 31, 50, 70, 91, 4806, 19, 53, 70, 83, 4906, 34, 47, 70, 90, 5010, 30, 50, 70, 97, 5117, 36, 60 & 84'. (1 JSPF) (28 holes). Pump 4,788 Gal 15% HCL.

6-19-14: RU Baker Hughes, frac the Paddock/Glorieta @ 4650, 56, 83, 98, 4717, 31, 50, 70, 91, 4806, 19, 53, 70, 83, 4906, 34, 47, 70, 90, 5010, 30, 50, 70, 97, 5117, 36, 60 & 84'. (1 JSPF) (28 holes). PUMP 229,377# 16/30 Brown, 54,403# 16/30 Siber Prop.

6-25-14: Break circulation & wash sand to PBTB @ 6400'. RIH W/Prod equip.

6-25-14: RIH W/ 2-7/8" J-55 tbg., EOT @ 6374.46' RKB. SN @ 6284.51' RKB. TAC SET @ 4558.97'. SI well. SDFN. Prep to RIH w/ pump & rods.

6-27-14: Prep to set pumping unit @ later date.

7-1-14: Set Ampscot 640-365-168. Install elec. Start prod.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 08 2014

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**

**RECEIVED**

5. Lease Serial No.  
NMLC029395B

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		8. Lease Name and Well No. LEE FEDERAL 79	
Contact: SANDRA J BELT E-Mail: sandra.belt@apachecorp.com		9. API Well No. 30-015-42190	
3. Address 303 VETERANS AIRPARK LANE MIDLAND, TX 79705		3a. Phone No. (include area code) Ph: 432-818-1962	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1710FSL 330FWL 32.817321 N Lat, 103.898840 W Lon At top prod interval reported below 1710FSL 330FWL 32.817321 N Lat, 103.898840 W Lon At total depth 1710FSL 330FWL 32.817321 N Lat, 103.898840 W Lon		10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESP	
14. Date Spudded 05/14/2014		15. Date T.D. Reached 05/26/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/02/2014		17. Elevations (DF, KB, RT, GL)* 3619 GL	
18. Total Depth: MD TVD 6415		19. Plug Back T.D.: MD TVD 6400	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SBGR/CCL/HI-RES/CN/BHCS/CAL/SGR	
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 checked="" type="checkbox"/> No <input 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 H40	48.0		350		700	173	0	
11.000	8.625 J55	32.0		3514		1370	262	0	
7.875	5.500 J55	17.0		6415		1010	299	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	6374							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4698	5257	4650 TO 5184	0.400	28	PRODUCING
B) BLINEBRY	5257		5248 TO 6253	0.400	52	PRODUCING
C)						
D)						

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

Depth Interval	Amount and Type of Material
4650 TO 5184	203,532 GALS 20#, 4536 GALS GEL; 4788 GALS ACID; 203,32 # SAND
5248 TO 5666	207,984 GALS 20#, 4998 GALS GEL 10#; 5712 GALS ACID; 202,968 # SAND
5730 TO 6253	182,364 GALS 20#; 4620 GAL GEL 10#; 4872 GALS ACID; 223,662 # SAND

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
07/05/2014	07/17/2014	24	→	87.0	70.0	245.0	39.0		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	
			→	87	70	245	805	POW	

28a. Production - Interval B

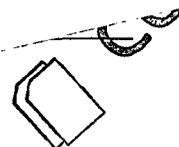
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

Pending BLM approvals will subsequently be reviewed and scanned

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

ELECTRONIC SUBMISSION #284130 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
RUSTLER	268	436	SANDSTONE/NA	RUSTLER	268
TANSIL SALT	436	1275	SALT/NA	TANSIL SALT	436
BOTTOM SALT	1275	1411	SALT/NA	BOTTOM SALT	1275
YATES	1411	1740	SANDSTONE/NA	YATES	1411
SEVEN RIVERS	1740	2366	SANDSTONE&CARBONATE/ O/G/W	SEVEN RIVERS	1740
QUEEN	2366	3125	SANDSTONE&CARBONATE/ O/G/W	QUEEN	2366
SAN ANDRES	3125	4640	CARBONATE/O/G/W	SAN ANDRES	3125
GLORIETA	4640	4719	SANDSTONE/O/G/W	GLORIETA	4640

32. Additional remarks (include plugging procedure):

attachments: Frac Disclosure, C-102, C-104, logs mailed to the BLM 9/29/14 and to the OCD 6/04/14.

Item 51 Continued:

Paddock 4719 - 5257 Dolomite/O/G/W  
Blinebry 5257 - 6194 Dolomite/O/G/W  
Tubb 6194 - N/A 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 #284130 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) SANDRA J BELT

Title SR. REGULATORY ANALYST

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

Date 12/04/2014

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.

\*\* ORIGINAL \*\*

**Additional data for transaction #284130 that would not fit on the form**

**32. Additional remarks, continued**

Item 52 Continued:  
Paddock 4719  
Blinebry 5257  
Tubb 6194