

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 05/10/16
<sup>4</sup> API Number 30-015-43327	<sup>5</sup> Pool Name CEDAR LAKE ;GLORIETA-YESO	<sup>6</sup> Pool Code 96831
<sup>7</sup> Property Code 315935	<sup>8</sup> Property Name CEDAR LAKE FEDERAL CA	<sup>9</sup> Well Number #951H

**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
D	9	17S	31E		1070	NORTH	515	WEST	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
A	9	17S	31E		483	NORTH	331	EAST	EDDY
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P	<sup>14</sup> Gas Connection Date 05/10/16	<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**

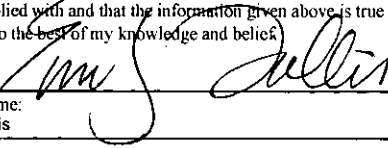
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O
221115	Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date 10/16/15	<sup>22</sup> Ready Date 05/10/16	<sup>23</sup> TD 9906'	<sup>24</sup> PBDT 9906	<sup>25</sup> Perforations 5892-9877	<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 H40 48#	520'	500 sx Class C		
12.5	9.625 J55 40#	3500'	1400 sx Class C		
8.5	7" L80 29#/5.5 L80 20#	5054'/9886'	600 sx Class C		
Tubing	2.875	5327			

**V. Well Test Data**

<sup>31</sup> Date New Oil 05/10/16	<sup>32</sup> Gas Delivery Date 05/10/2016	<sup>33</sup> Test Date 05/28/16	<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 139	<sup>39</sup> Water 1677	<sup>40</sup> Gas 136		<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:  
Emily Follis

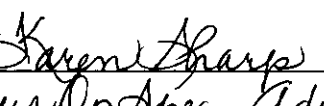
Title:  
Reg Analyst

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

Date:  
06/01/2016

Phone:  
432-818-1801

OIL CONSERVATION DIVISION

Approved by: 

Title:

Approval Date:

6-14-16

Pending BLM approvals will  
subsequently be reviewed  
and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION  
ARTESIA DISTRICT

JUN 06 2016

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.*

RECEIVED

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC029426B
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No. NMNM134086
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. CEDAR LAKE FEDERAL CA 951H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T17S R31E NWNW 1070FNL 515FWL		9. API Well No. 30-015-43327
		10. Field and Pool, or Exploratory CEDAR LAKE, GLOREITA-YESO
		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
	<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 COMPLETED THE WELL AS FOLLOWS: RR 10/29/15  
12/04/15 MIRU WORKOVER RIG & TEST BOP TO 5K PSI, DRILLING OUT DV TOOL @ 5052'  
12/07/15 DRILLED OUT DEBRIS SUB THRU DEBRIS SUB @ 5222 TO 5223' AND STOP ROTATION RUN MILL WITH NO ROTATION 5223 TO 5950 AN NO DEEPER CIRC WELL CLEAN, POOH W/TBG & MILL LAY DOWN TBG CAP WELL RDMO RIG SDFN  
12/20/15 PREP FOR FRAC - UNLOAD ACID  
12/21/15 WAITING ON ELITE - START ELITE FRAC UPPER BLINEBRY PACKER PLUS ASSEMBY (15 STAGE FRAC)  
5892-9877 - PACKER SET @ 5892,6141,6431,6676,6965,7214,9508,7757,8051,8299,8548,8838,9084,9377,9624  
  
TOTAL ACID 2,891 BBL  
TOTAL SAND 2,868,800#

14. I hereby certify that the foregoing is true and correct. Electronic Submission #340860 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad	
Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/02/2016

**THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE**Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 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 #340860 that would not fit on the form**

**32. Additional remarks, continued**

12/22/16 RDMO  
01/14-15/16 RUWO PREP FOR DRILL SLEEVES, DRILL SLEEVES BREAK CIRC, PU RIH TO 9791' TO CIRC' THE WELL  
CLEAN, POOH W/BIT LDDP  
01/16/16 POOH, RDMO ALL UNNECESSARY EQUIPMENT WOO  
05/10/16 MIRU, REPLACE VALVE ON WELLHEAD  
05/11/16 WELL STARTED FLOWING @50#/1 BPM, PLUMB INTO BATTERY, RDMO  
05/17/16 MIRU, NU BOP/HYDRIL, SD DUE TO WIND & RAIN  
05/18/16 RIH W/SUMMIT ESP, RDMO FINAL REPORT  
05/24/16 BUILD WELLHEAD, DITCH AND INSTALL FLOWLINE

NOTE: ORIGINAL NAME - CROW FEDERAL COM 51H

# NM OIL CONSERVATION ARTESIA DISTRICT

JUN 06 2016

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.  
NMLC029426B

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.  
NMNM134086

2. Name of Operator  
APACHE CORPORATION  
Contact: EMILY FOLLIS  
E-Mail: Emily.Follis@apachecorp.com

8. Lease Name and Well No.  
CEDAR LAKE FEDERAL CA 951H

3. Address 303 VETERANS AIRPARK LANE SUITE 1000  
MIDLAND, TX 79707  
3a. Phone No. (include area code)  
Ph: 432-818-1801

9. API Well No. **015-45327**  
30-001-54332

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface NWNW Lot D 1070FNL 515FWL  
At top prod interval reported below NWNW Lot A 483FNL 331FEL  
At total depth NWNW 483FNL 331FEL

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

11. Sec., T., R., M., or Block and Survey  
or Area Sec 9 T17S R31E Mer

12. County or Parish  
EDDY  
13. State  
NM

14. Date Spudded  
10/16/2015  
15. Date T.D. Reached  
10/29/2015  
16. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/10/2016  
17. Elevations (DF, KB, RT, GL)\*  
3876 GL

18. Total Depth: MD 9906  
TVD 5054  
19. Plug Back T.D.: MD 9906  
TVD  
20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CNGR/CCL/RBGR/CCL  
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 H40	48.0	0	520		500			
12.250	9.625 J55	40.0	0	3500		1400			
8.500	7.000 L80	29.0	0	5054		600			
8.500	5.000 L80	20.0	0	9886					

### 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	5327							

### 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
APLINEBRY - OPEN HOLE	5546	9906	5982 TO 9877			OPEN HOLE
B)						
C)						
D)						

### 26. Perforation Record

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

Depth Interval	Amount and Type of Material
5982 TO 9877	TOTAL ACID 2891 BBL, TOTAL SAND 2,868,800 #
	<b>Accepted for record - NMOCD</b>

### 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
05/10/2016	05/28/2016	24	→	139.0	136.0	1677.0	37.0		ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→				978	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 #340798 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

F5  
6/14/16

## 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	457	612	ANHYDRITE, DOLO W	RUSTLER	457
SALADO	612	1629	ANHYDRITE, DOLO W	SALADO	612
TANSIL	1629	1766	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1629
YATES	1766	2046	SANDSTONE O/G/W	YATES	1766
SEVEN RIVERS	2046	2667	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2046
QUEEN	2667	3097	SS, DOLO, LIMESTONE O/G/W	QUEEN	2667
GRAYBURG	3097	3377	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	3097
SAN ANDRES	3377	4892	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3377

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

GLORIETA 4892 - 4969 SANDSTONE O/G/W  
PADDOCK 4969 - 5546 DOLOMITE O/G/W  
BLINEBRY 5546 - TD(9906)DOLOMITE O/G/W

Note: ORIGINALLY NAMED - CROW FEDERAL 51H

## 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 #340798 Verified by the BLM Well Information System.  
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/01/2016

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 \*\***