

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

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW / 08/05/16
⁴ API Number 30-015-43365	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code 308720	⁸ Property Name LEE FEDERAL	⁹ Well Number #094

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
	17	17S	31E		105	SOUTH	850	WEST	EDDY

¹¹ 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
	20	17S	31E		333	NORTH	987	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 08/05/16	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ 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

²¹ Spud Date 10/18/15	²² Ready Date 08/05/16	²³ TD 6435	²⁴ PBT D 6435	²⁵ Perforations 4671-6028'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5'	13.375 48#	405	570 sx Class C		
11'	8.625 32#	3515	1400 sx Class C		
7.875'	5.5 17#	6435	940 sx Class C		
Tubing	2-7/8' J55	6240			

V. Well Test Data

³¹ Date New Oil 08/05/16	³² Gas Delivery Date 08/05/16	³³ Test Date 08/07/16	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 125	³⁹ Water 205	⁴⁰ Gas 268		⁴¹ Test Method P

⁴² 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 Folis*

Printed name:
Emily Folis

Title:
Reg Analyst

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

Date:
08/09/2016

Phone:
432-818-1801

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

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.
NMLC029395B

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.8. Well Name and No.
LEE FEDERAL 949. API Well No.
30-015-4336510. Field and Pool, or Exploratory
CEDAR-LAKE, GLORIETA-YESO11. County or Parish, and State
EDDY COUNTY, NM

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 17 T17S R31E SWSW 105FSL 850FWL

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 10/26/2015

01/21/16 PU RIH CNL-CBL-GRCC-LOGGING TOOL. POH W/TOOL RDMO WIRELINE, ND BOP CAP WELL RDMO WOR
06/20/16 PREP LOCATION FOR A LATER FRAC - MIRUSU & REVERSE UNIT. NU BOP TEST CSG MIRU WL PERFORATE
PU RIH W/ PKR & TBG PERF LOWER BLINBRY FROM 5602-6028 WITH ALL SHOTS FIRED. RDMO WIRELINE. PU RIH
W/ PKR & 170 JTS 2-7/8" J55 TBG LEAVE SWINGING @ 5537' SI SD
06/21/16 FOUND WELL @ 0# RIH W/ PKR & 2-7/8 J55 TBG TO 6028' FLUSH, 31.6 BBL KCL POOH TO 5537' SET
PKR. MIRU PETROPLEX SERV. TEST, ACIDIZE LOWER BLINBRY/TUBB FROM 5602-6028', DROP BALL SEALERS, GOOD
BALL ACTION, FLUSH, RELEASE PKR, RIH KNOCK BALLS OFF, POOH/LD W/TBG & PKR ND BOP NU FV RDMO ALL
PARTIES.

07/27-28/16 MIRU ROCK PILE FRAC PLUG & PERF & WL CREW MOVING EQUIPMENT IN & RIGGING UP - SAFTEY
MEETING - (3 STAGE FRAC & PERF)

STAGE 1 - LOWER BLINBRY 35 HOLES/.42" DIA HOLE W/21" PEN @ BOTTOM 6028-5602

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

Electronic Submission #347300 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 08/09/2016

THIS SPACE FOR FEDERAL OR STATE OFFICIAL

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 wilfully 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 #347300 that would not fit on the form

32. Additional remarks, continued

STAGE 2 - LOWER BLINBRY 35 HOLES/.42" DIA HOLE W/21" PEN @ BOTTOM 5546 - 5371

STAGE 3 - LOWER BLINBRY 35 HOLES/.42" DIA HOLE W/21" PEN @ BOTTOM 4985 - 4671 BEGIN RD FRAC & WL

TOTAL ACID 289 BBL

TOTAL SAND 769,793#

08/02/16 DO PLUG CLEAN OUT TO TD, CIRC CLEAN W/FOAM AIR UNIT, TOH STANDING TUBING BACK

08/03/16 PU RIH W/ BHA & 2-7/8" J55 TBG ND BOP NU WH PU RIH W/PUMP & RODS

08/08/16 SET PUMPING UNIT, PLUMB BATTERY, FINAL REPORT

NM OIL CONSERVATION

Form 3160-4
(August 2007)

ARTESIA DISTRICT

AUG 12 2016

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

5. Lease Serial No.
NMLC029395B

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.
LEE FEDERAL 94

3. Address 303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1801

9. API Well No.
30-015-43365

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 17 T17S R31E Mer
SWSW Lot M 105FSL 850FWL
At top prod interval reported below Sec 20 T17S R31E Mer
SWSW Lot D 333FNL 987FWL
At total depth Sec 17 T17S R31E Mer
SWSW

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 17 T17S R31E Mer

12. County or Parish
EDDY COUNTY

13. State
NM

14. Date Spudded
10/18/2015

15. Date T.D. Reached
10/25/2015

16. Date Completed
☐ D & A ☒ Ready to Prod.
08/05/2016

17. Elevations (DF, KB, RT, GL)*
3672 GL

18. Total Depth: MD 6435
TVD 6435

19. Plug Back T.D.: MD 6435
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL-CBL-GRCLL

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	405		570			
11.000	8.625 J55	32.0	0	3515		1400			
7.875	5.500 L80	17.0	0	6435		940			

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	6240							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINBRY	5190	6147	5602 TO 6028	0.420	35	LOWER BLINEBRY/TUBB
B)			5371 TO 5546	0.420	35	UPPER BLINEBRY
C)			4671 TO 4985	0.420	35	PADDOCK
D)						

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

Depth Interval	Amount and Type of Material
4671 TO 6028	TOTAL ACID 289 BBL TOTAL SAND #769,793

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
08/05/2016	08/07/2016	24	→	125.0	268.0	205.0	37.0		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	
			→				2144	POW	

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

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

ELECTRONIC SUBMISSION #347296 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	285	427	ANHYDRITE, DOLOMITE W	RUSTLER	285
SALADO	427	1284	ANHYDRITE, DOLOMITE W	SALADO	1284
TANSILL	1284	1441	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSILL	1284
YATES	1441	1735	SANDSTONE O/G/W	YATES	1441
SEVEN RIVERS	1735	2350	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVER	1735
QUEEN	2350	2696	SS, DOLO, LIMESTONE O/G/W	QUEEN	2350
GRAYBURG	2696	3058	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2696
SAN ANDRES	3058	4539	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3058

32. Additional remarks (include plugging procedure):

Glorieta 4539 - 4645 Sandstone O/G/W
Paddock 4645 - 5190 Dolomite O/G/W
Blaine 5190 - 6147 Dolomite O/G/W
Tubb 6147 - TD(6435) Sandstone O/G/W

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 #347296 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 08/09/2016

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 ****