

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 Airport Lane Suite 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW/ 02/26/16
⁴ API Number 30-015-43364	⁵ Pool Name CEDAR LAKE; GLORIETA-YESO	⁶ Pool Code [96831]
⁷ Property Code [308720]	⁸ Property Name LEE FEDERAL	⁹ Well Number #055

II. ¹⁰Surface Location

UL or lot no. N	Section 17	Township 17S	Range 31E	Lot Idn	Feet from the 990	North/South Line SOUTH	Feet from the 2310	East/West line WEST	County EDDY
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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
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 02/26/16	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
NM OIL CONSERVATION ARTESIA DISTRICT MAR 10 2016 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 10/07/2015	²² Ready Date 02/26/2016	²³ TD 6400'	²⁴ PBTD 6350'	²⁵ Perforations 5626-5984'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5'	13.375 48#	415'	570 sx Class C		
11'	8.625 32#	3517'	1700 sx Class C		
7.875'	5.5 17#	6400"	940 sx Class C		
Tubing	2-7/8"	6079'			

V. Well Test Data

³¹ Date New Oil 02/26/2016	³² Gas Delivery Date 02/26/2016	³³ Test Date 02/29/16	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 48	³⁹ Water 153	⁴⁰ Gas 152		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:
03/03/2016

Phone:
432-818-1801

OIL CONSERVATION DIVISION

Approved by:

ADade

Title:

DIST II Supervisor

Approval Date:

3-16-16

Pending BLM approvals will
subsequently be reviewed
and scanned *(RD)*

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 55

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

9. API Well No.

30-015-43364

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

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

Sec 17 T17S R31E SESW 990FSL 2310FWL

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 10/17/2015

01/18/16 MIRU RENEGADE WL - PU RIH LOGGING FROM 6330 TO SURF CNL,CBL,GRCCCL GOOD CEMENT BOND EST TOC @ 102' FROM SURF. PERF LOWER BLINEBRY/TUBB @ 5626-5984
(2 SPF)(32 HOLES) .37"-42" HOLE 21" PENETRATION POOH W/WL RDMO RENEGADE
01/19/16 MIRU PETROPLEX SPOT 352 GAL ACID ACROSS PERFS, BREAK DOWN PERFS @2057# ACIDIZE LOWER BLINEBRY/TUBB 5626-5983.W/3500 GAL ACID,DROP64 7/8 1.3 BALL SEALERS GOOD BALL ACTION. BALL OUT W/50 BALL FORMATION,FLUSH W/95 BBL 1% KCL FW RD PETROPLEX.
01/20/16 NU FRAC VALVE RDMO. FRAC AT LATER DATE
01/27/16 MIRU FRAC & WL - BASIC TO FRAC - (3 STAGE FRAC) LOWER BLINEBRY
01/27-29/16 FRAC (STAGE 1-3)4640-5983'
TOTAL FRAC ACID - 131 BBL

NM OIL CONSERVATION
ARTESTA DISTRICT

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

Electronic Submission #332969 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad

MAR 10 2016

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST

RECEIVED

Signature (Electronic Submission)

Date 03/07/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USEPending BLM approvals will
subsequently be reviewed
and scanned *LED*

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

...to any department or agency of the United

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

Additional data for EC transaction #332969 that would not fit on the form

32. Additional remarks, continued

TOTAL FRAC SAND - 537,911 #

01/29/16 RDMO FRAC AND WIRELINE.

02/05/16 FOUND WELL ON VAC, MIRU PU, RU & FOAM/NITRO UNIT, RACK & TALLY TBG, ND GOATHD & FRAC VALVE, NU BOP, SET & PLUMB IN 1/2 FRAC, SD DUE TO EXCESSIVE WIND

02/09/16 FOUND WELL @ #600, KILL WELL, POH W/BIT, ND BOP & FRAC SPOOL, NU BOP & PROD SPOOL, RIH W/BHA & PROD TBG, ND BOP, NU WELL HD

02/10/16 FOUND WELL @ #50, BLED DN, PU & RIH W/PUMP & RODS, LOAD/TEST @ #500, LAND PR IN STUFFING BOX, RDMO.

02/27/16 SET PUMPING UNIT, RUN ELECTRICAL, PLUMB INTO BATTERY, TURN OVER TO PRODUCTION. - POP

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION
ARTESIA DISTRICT

MAR 10 2016

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG 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 55		
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705			9. API Well No. 30-015-43364		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 17 T17S R31E Mer SESW 990FSL 2310FWL At top prod interval reported below Sec 17 T17S R31E Mer SESW 990FSL 2310FWL At total depth			10. Field and Pool, or Exploratory CEDAR LAKE: GLORIETA-YESO		
14. Date Spudded 10/07/2015			11. Sec., T., R., M., or Block and Survey or Area Sec 17 T17S R31E Mer		
15. Date T.D. Reached 10/17/2015			12. County or Parish EDDY COUNTY		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/26/2016			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3672 GL					
18. Total Depth: MD TVD 6400		19. Plug Back T.D.: MD TVD 6350		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL/CBL/GRCCCL				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 H40	48.0	415			570			
11.000	8.625 J55	32.0	3517			1700			
7.875	5.500 L80	17.0	6400			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	6070							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) LOWER BLINEBRY	5221	6400	5626 TO 5984	2.000	32	PRODUCING
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4640 TO 5983	131 BBL TOTAL ACID, 537,911 # TOTAL 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
02/26/2016	02/29/2016	24	→	48.0	152.0	153.0	36.0		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	
			→				317	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 (20)

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

ELECTRONIC SUBMISSION #332951 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

...OR-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	369	467	ANHYDRITE, DOLOMITE W	RUSTLER	369
SALADO	467	1298	ANHYDRITE, DOLOMITE W	SALADO	467
TANSILL	1298	1463	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSILL	1298
YATES	1463	1752	SANDSTONE O/G/W	YATES	1463
SEVEN RIVERS	1752	2362	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	1752
QUEEN	2362	2707	SS, DOLO, LIMESTONE O/G/W	QUEEN	2362
GRAYBURG	2707	3155	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	2707
SAN ANDRES	3155	4551	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3155

32. Additional remarks (include plugging procedure):

GLORIETA SANDSTONE O/G/W 4551 - 4612
PADDOCK DOLOMITE O/G/W 4612 - 5221
BLINEBRY DOLOMITE O/G/W 5221 - TD

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 #332951 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLISTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 03/07/2016

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 ****