

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 3000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW / 02/18/2015
⁴ API Number 30-015-41347	⁵ Pool Name Cedar Lake; Glorieta-Yeso	⁶ Pool Code 96831
⁷ Property Code 308720	⁸ Property Name Lee Federal	⁹ Well Number 067

II. ¹⁰Surface Location

UL or lot no. F	Section 20	Township 17S	Range 31E	Lot Idn	Feet from the 1650	North/South Line North	Feet from the 1950	East/West line West	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. F	Section 20	Township 17S	Range 31E	Lot Idn	Feet from the 1649	North/South line North	Feet from the 1653	East/West line West	County Eddy
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 02/18/2015	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
221115	Frontier-Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135	G
252293	Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210	O

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 28 2015
RECEIVED

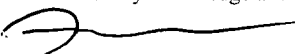
IV. Well Completion Data

²¹ Spud Date 11/12/2014	²² Ready Date 02/18/2015	²³ TD 6400'	²⁴ PBTD 6375'	²⁵ Perforations 4542'-6290'	²⁶ DHC, MC
²⁷ Hole Size 17-1/2"	²⁸ Casing & Tubing Size 13-3/8"	²⁹ Depth Set 322'	³⁰ Sacks Cement 370 sx Class C		
11"	8-5/8"	3520'	1485 sx Class C		
7-7/8"	5-1/2"	6400'	940 sx Class C		
Tubing	2-7/8"	6320'			

V. Well Test Data

³¹ Date New Oil 02/18/2015	³² Gas Delivery Date 02/18/2015	³³ Test Date 03/19/2015	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 49	³⁹ Water 190	⁴⁰ Gas 173		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: 

Printed name:
Fatima Vasquez

Title:
Regulatory Analyst II

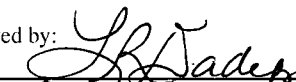
E-mail Address:
Fatima.Vasquez@apachecorp.com

Date:
05/22/2015

Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:



Title:

Dist II Spvr

Approval Date:

5-29-15

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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
LEE FEDERAL 672. Name of Operator
APACHE CORPORATIONContact: **FATIMA VASQUEZ**
E-Mail: fatima.vasquez@apachecorp.com9. API Well No.
30-015-413473a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-101510. 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 SENW 1650FNL 1950FWL
32.822756 N Lat, 103.894143 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 recomple 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 completed this well as follows:

12/29/2015 MIRUSU.

12/30/2015 Log TOC @ 70' (CBL). Perf Lower Blinbry @ 5760'-6290' w/ 1 SPF, 25 holes.

01/02/2015 Spot 516 gals acid. Acidize Lower Blinbry w/ 3377 gals 15% HCl NEFE acid.

01/05/2015 POH, LD tbg. RDMO.

01/21/2015 Frac Lower Blinbry w/ 147,630 gals 16# XL, 200,057# 16/30 sand & spot 1000 gals 15% acid.

Stage II - Set CBP @ 5740'. Perf Paddock/Upper Blinbry @ 5140'-5710' w/ 1 SPF, 30 holes. Pump 3500 gals 15% HCl acid. Frac w/ 132,930 gals 16# XL, 224,858# 16/30 sand & 4956 gals 16# linear gel. Spot 1000 gals 15% HCl acid.

Stage III - Set CBP @ 5120'. Perf Glorieta/Paddock @ 4542'-5088' w/ 1 SPF, 30 holes.

NM OIL CONSERVATION
ARTESTA DISTRICT

MAY 28 2015

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

**Electronic Submission #302660 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad****RECEIVED**Name (Printed/Typed) **FATIMA VASQUEZ**Title **REGULATORY ANALYST II**

Signature (Electronic Submission)

Date **05/22/2015****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____
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.

Title _____

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

Department or agency of the United States

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

Additional data for EC transaction #302660 that would not fit on the form

32. Additional remarks, continued

01/22/2015 Acidize w/ Glorieta/Paddock w/ 3773 gals 15% HCl acid. Frac Glorieta/Paddock w/ 137,340 gals 16# XL, 224,942# 16/30 sand & 4410 gals 16# linear flush.
02/02/2015 RIH w/ bit & tbq.
02/03/2015 DO CBPs @ 5120' & 5740'. CO to PBD @ 6375'.
02/04/2015 RIH w/ 2-7/8" J-55 6.5# prod tbq. SN @ 6230'. ETD @ 6320'.
02/18/2015 Set 640 pumping unit. POP.

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 28 2015

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 (308720) 67		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			9. API Well No. 30-015-41347		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 20 T17S R31E Mer At surface SENW 1650FNL 1950FWL 32.822756 N Lat, 103.894143 W Lon At top prod interval reported below Sec 20 T17S R31E Mer At total depth SENW 1649FNL 1653FWL			10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO		
			11. Sec., T., R., M., or Block and Survey or Area Sec 20 T17S R31E Mer		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 11/12/2014		15. Date T.D. Reached 11/24/2014		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/18/2015	
17. Elevations (DF, KB, RT, GL)* 3645 GL		18. Total Depth: MD TVD 6400		19. Plug Back T.D.: MD TVD 6375	
		20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN/HI-RES LL/SGR/BHCS-SGR/BHPL/SBGR			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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0		322		370		0	
11.000	8.625 J-55	32.0		3520		1485		0	
7.875	5.500 J-55	17.0		6400		940		70	

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	6320							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4539	4587	4542 TO 5088	1.000	30	PRODUCING
B) PADDOCK	4587	5161	5140 TO 5710	1.000	30	PRODUCING
C) BLINEBRY	5161	6324	5760 TO 6290	1.000	25	PRODUCING
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4542 TO 5088	137,340 GALS 16# XL, 224,942# SAND, 3773 GALS ACID, 4410 GALS LINEAR GEL
5140 TO 5710	132,930 GALS 16# XL, 224,858# SAND, 4500 GALS ACID, 4956 GALS LINEAR GEL
5760 TO 6290	147,630 GALS 16# XL, 200,057# SAND, 4893 GALS ACID

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
02/18/2015	03/19/2015	24	→	49.0	173.0	190.0	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	
							3531	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	Well S
			→						
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 #302675 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	Thg. 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	Thg. 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	421	SANDSTONE/ANHYDRITE - N/A	RUSTLER	285
YATES	1388	1709	SANDSTONE - N/A	YATES	1388
SEVEN RIVERS	1709	2315	SS/CARBONATE - OIL, GAS & WATER	SEVEN RIVERS	1709
SAN ANDRES	2995	4539	CARBONATE - OIL, GAS & WATER	SAN ANDRES	2995
GLORIETA	4539	4587	SANDSTONE - OIL, GAS & WATER	GLORIETA	4539
PADDOCK	4587	5161	DOLOMITE - OIL, GAS & WATER	PADDOCK	4587
BLINEBRY	5161	6324	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5161
TUBB	6324		SANDSTONE - OIL, GAS & WATER	TUBB	6324

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 05/12/2015.

Tansill Salt - 421'-1282' Salt - N/A
 Bottom Salt 1282'-1388' Salt - N/A
 Queen 2315'-2995' SS / Carbonate - Oil, Gas & Water
 Tubb - didn't drill far enough to get bottom depth of Tubb.

**SS-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 #302675 Verified by the BLM Well Information System.
 For APACHE CORPORATION, sent to the Carlsbad

Name (please print) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 05/22/2015

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****