

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 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.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	20	17S	31E		1650	North	1950	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
F	20	17S	31E		1649	North	1653	West	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

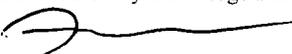
NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 28 2015
RECEIVED

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
11/12/2014	02/18/2015	6400'	6375'	4542'-6290'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	322'	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	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Thg. Pressure	³⁶ Csg. Pressure
02/18/2015	02/18/2015	03/19/2015	24		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	49	190	173	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 Spuser*
Approval Date: *5-29-15*
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

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 67

9. API Well No.
30-015-41347

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

11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com

3a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 79705
3b. Phone No. (include area code)
Ph: 432-818-1015

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

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 this well as follows:

- 12/29/2015 MIRUSU.
- 12/30/2015 Log TOC @ 70' (CBL). Perf Lower Blinebry @ 5760'-6290' w/ 1 SPF, 25 holes.
- 01/02/2015 Spot 516 gals acid. Acidize Lower Blinebry w/ 3377 gals 15% HCl NEFE acid.
- 01/05/2015 POH, LD tbg. RDMO.
- 01/21/2015 Frac Lower Blinebry w/ 147,630 gals 16# XL, 200,057# 16/30 sand & spot 1000 gals 15% acid.
- Stage II - Set CBP @ 5740'. Perf Paddock/Upper Blinebry @ 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 _____ 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 willfully to make 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 #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 & tbg.

02/03/2015 DO CBPs @ 5120' & 5740'. CO to PBD @ 6375'.

02/04/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. 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 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: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com

8. Lease Name and Well No.
LEE FEDERAL (308720) 67

3. Address 303 VETERANS AIRPARK LN
MIDLAND, TX 79705

3a. Phone No. (include area code)
Ph: 432-818-1015

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
 D & A Ready to Prod.
 02/18/2015

17. Elevations (DF, KB, RT, GL)*
3645 GL

18. Total Depth: MD 6400
TVD

19. Plug Back T.D.: MD 6375
TVD

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? 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 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			26. Perforation Record			
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)						

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	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

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.

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