

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 / 02/19/2015
⁴ API Number 30-015-40961	⁵ Pool Name Cedar Lake; Glorieta-Yeso	⁶ Pool Code 96831
⁷ Property Code 308710	⁸ Property Name Coffee Federal	⁹ Well Number 021

II. ¹⁰Surface Location

UL or lot no. G	Section 18	Township 17S	Range 31E	Lot Idn	Feet from the 2120	North/South Line North	Feet from the 2565	East/West line East	County 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
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 02/19/2015	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 JUN 18 2015 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 12/12/2014	²² Ready Date 02/19/2015	²³ TD 6412'	²⁴ PBDT 6380'	²⁵ Perforations 4622'-6260'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	385'	1200 sx Class C		
11"	8-5/8"	3502'	3380 sx Class C		
7-7/8"	5-1/2"	6412'	875 sx Class C		
Tubing	2-7/8"	6349'			

V. Well Test Data

³¹ Date New Oil 02/19/2015	³² Gas Delivery Date 02/19/2015	³³ Test Date 05/25/2015	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 14	³⁹ Water 30	⁴⁰ Gas 76		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:
06/16/2015

Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:




Title:



Approval Date:

7-2-15

Pending BLM approvals will
subsequently be reviewed
and scanned 

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N

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.
NMLC029548A

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.
COFFEE FEDERAL 212. Name of Operator
APACHE CORPORATIONContact: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com9. API Well No.
30-015-409613a. 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 18 T17S R31E SWNE 2120FNL 2565FEL
32.835928 N Lat, 103.908964 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:

01/15/2015 MIRUSU. Log TOC @ 84'.

Stage I - Perf Lower Blinbry/Tubb @ 5816'-6260' w/ 1 SPF, 24 holes.

01/16/2015 Spot 432 gals acid. Acidize w/ 2654 gals 15% HCl NEFE acid.

01/29/2015 Frac Lower Blinbry/Tubb w/ 154,092 gals 20# XL, 203,900# 16/30 sand & 4447 gals 10# linear gel. Spot 940 gals 15% HCl acid.

Stage II - Set CBP @ 5800'. Perf Blinbry @ 5218'-5775' w/ 1 SPF, 30 holes. Pump 3703 gals 15% HCl acid. Frac w/ 173,027 gals 20# XL, 227,200# 16/30 sand, & 6914 gals 10# linear gel. Spot 1195 gals 15% HCl.

Stage III - Set CBP @ 5190'. Perf Glorieta/Paddock @ 4622'-5160' w/ 1 SPF, 27 holes. Pump 4194 gals 15% HCl. Frac w/ 171,896 gals 20# XL, 232,100# 16/30 sand, & 5663 gals 10# linear gel.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 18 2015

RECEIVED

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

**Electronic Submission #305118 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 06/16/2015

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
AP

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.

any department or agency of the United

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

Additional data for EC transaction #305118 that would not fit on the form

32. Additional remarks, continued

02/05/2015 RIH w/ bit & tbg.

02/06/2015 DO CBPs @ 5190' & 5800'. CO to PBTB @ 6380'.

02/09/2015 RIH w/ 2-7/8" J-55 6.5# prod tbg. SN @ 6259'. ETD @ 6349'.

02/19/2015 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

JUN 18 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029548A

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.
COFFEE FEDERAL 21

3. Address 303 VETERANS AIRPARK LN
MIDLAND, TX 79705

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

9. API Well No.
30-015-40961

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNE 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon

At top prod interval reported below SWNE 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon

At total depth SWNE 2120FNL 2565FEL 32.835928 N Lat, 103.908964 W Lon

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

11. Sec., T., R., M., or Block and Survey
or Area Sec 18 T17S R31E Mer

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
12/12/2014

15. Date T.D. Reached
12/22/2014

16. Date Completed
☐ D & A ☒ Ready to Prod.
02/19/2015

17. Elevations (DF, KB, RT, GL)*
3744 GL

18. Total Depth: MD 6412
TVD

19. Plug Back T.D.: MD 6380
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BHCS-SGR/HI-RES LL/CNL/CAL

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		385		1200		0	
11.000	8.625 J-55	32.0		3502		3380		0	
7.875	5.500 J-55	17.0		6412		875		84	

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	6349							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4618	4661	4622 TO 5160	1.000	27	PRODUCING
B) PADDOCK	4661	5153	5218 TO 5775	1.000	30	PRODUCING
C) BLINEBRY	5153	6135	5816 TO 6260	1.000	24	PRODUCING
D) TUBB	6135					

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

Depth Interval	Amount and Type of Material
4622 TO 5160	171,896 GALS 20# XL, 232,100# SAND, 4194 GALS ACID, 5663 GALS GEL
5218 TO 5775	173,027 GALS 20# XL, 227,200# SAND, 4898 GALS ACID, 6914 GALS GEL
5816 TO 6260	154,092 GALS 20# XL, 203,900# SAND, 4026 GALS ACID, 4447 GALS GEL

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
02/19/2015	05/25/2015	24	→	14.0	76.0	30.0	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	
			→				5429	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	Pending BLM approvals will subsequently be reviewed and scanned. <i>[Signature]</i>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate — ▸	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	

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

ELECTRONIC SUBMISSION #305149 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will
subsequently be reviewed
and scanned. *[Signature]*

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	402	468	SANDSTONE/ANHYDRITE	RUSTLER	402
YATES	1464	1758	SANDSTONE	YATES	1464
SEVEN RIVERS	1758	2378	SS*/CARBONATE-OIL, GAS & WATER	SEVEN RIVERS	1758
SAN ANDRES	3103	4618	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3103
GLORIETA	4618	4661	SANDSTONE - OIL, GAS & WATER	GLORIETA	4618
PADDOCK	4661	5153	DOLOMITE - OIL, GAS & WATER	PADDOCK	4661
BLINEBRY	5153	6135	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5153
TUBB	6135		SANDSTONE - OIL, GAS & WATER	TUBB	6135

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 06/09/2015.

Tansil Salt 468'-1302' Salt - N/A
 Bottom Salt 1302'-1464' Salt - N/A
 Queen 2378'-3103' 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 #305149 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 06/16/2015

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 ****