

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104

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 **FEB 20 2015**

Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office
RECEIVED

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 / 10/07/2014
⁴ API Number 30-015-42400	⁵ Pool Name Cedar Lake; Glorieta-Yeso	⁶ Pool Code 96831
⁷ Property Code 308710	⁸ Property Name Coffee Federal	⁹ Well Number 018

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
E	18	17S	31E	2	1990	North	1010	West	Eddy

¹¹Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	18	17S	31E	2	1670	North	964	West	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 10/07/2014	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

IV. Well Completion Data

²¹ Spud Date 08/25/2014	²² Ready Date 10/07/2014	²³ TD 6412'	²⁴ PBTD 6373'	²⁵ Perforations 4620'-6240'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	403'	370 sx Class C		
11"	8-5/8"	3518'	1200 sx Class C		
7-7/8"	5-1/2"	6412'	970 sx Class C		
Tubing	2-7/8"	6336'			

V. Well Test Data

³¹ Date New Oil 10/07/2014	³² Gas Delivery Date 10/07/2014	³³ Test Date 01/27/2015	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 45	³⁹ Water 100	⁴⁰ Gas 80		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:
02/17/2015

Phone:
(432) 818-1015

OIL CONSERVATION DIVISION	
Approved by:	
Title:	
Approval Date:	2/20/15

Pending BLM approvals will subsequently be reviewed and scanned

FEB 20 2015

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.

8. Well Name and No.
COFFEE FEDERAL 18

9. API Well No.
30-015-42400

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 18 T17S R31E SWNW 1990FNL 1010FWL
32.836278 N Lat, 103.913626 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 recomplete 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:

09/09/2014 MIRUSU. Log TOC @ Surface.

Stage I - Perf Blinetry/Tubb @ 5860', 76', 5900', 24', 55', 90', 6025', 50', 72', 95', 6122', 45', 60', 85', 6210', & 40' w/ 1 SPF, 15 holes. Spot 336 gals acid. Acidize w/ 3150 gals 15% HCl NEFE acid.

09/10/2014 POH & LD tbg.

09/18/2014 Frac Blinetry/Tubb w/ 169,890 gals 20# & 221,639# 16/30 sand. Flush w/ 4746 gals 10# linear gel. Spot 959 gals 15% HCl acid.

Stage II - Set CBP @ 5830'. Perf Blinetry @ 5180', 5200', 12', 25', 43', 53', 72', 5304', 35', 49', 66', 80', 96', 5414', 30', 48', 70', 86', 5508', 66', 80', 94', 5614', 30', 48', 68', 90', 5715', 31', 47', & 83' w/ 1 SPF, 31 holes. Acidize w/ 2573 gals 15% HCl. Frac w/ 154,098 gals

Accepted for record
NMOCD

WED 2/24/15

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

Electronic Submission #292101 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 02/18/2015

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 WED

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.

to any department or agency of the United States

Additional data for EC transaction #292101 that would not fit on the form

32. Additional remarks, continued

20#, 199,509# 16/30 sand & 3948 gals 10# linear gel. Spot 1025 gals 15% HCL.
Stage III - Set CBP @ 5140'. Perf Glorieta/Paddock @ 4620', 50', 68', 86', 4703', 20', 38', 65',
87', 4810', 30', 53', 72', 86', 95', 4920', 35', 52', 69', 84', 5006', 24', 39', 69', & 91' w/ 1
SPF, 25 holes. Acidize w/ 2522 gals 15% HCl. Frac w/ 161,574 gals 20# & 223,427# 16/30 sand.
Flush w/ 4872 gals 10# linear gel.
09/19/2014 ND frac valve & spool. NU prod spool. RIH w/ bit & tbg.
09/22/2014 DO CBP @ 5140' & 5830'. Circ hole clean to PBTD @ 6373'.
09/23/2014 RIH w/ 2-7/8" J-55 8.5# tbg. SN @ 6247'. ETD @ 6336'. TAC @ 4555'.
09/24/2014 RIH w/ pump & rods. Clean location & RDMOSU.
10/07/2014 Set 640 pumping unit. POP.

NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 20 2015

Form 3160-4
(August 2007)

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 RECEIVED

5. Lease Serial No.
NMLC029548A

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. COFFEE FEDERAL 18	
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		9. API Well No. 30-015-42400	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW Lot 2 1990FNL 1010FWL 32.836278 N Lat, 103.913626 W Lon At top prod interval reported below SWNW Lot 2 1990FNL 1010FWL 32.836278 N Lat, 103.913626 W Lon At total depth SWNW Lot 2 1990FNL 1010FWL 32.836278 N Lat, 103.913626 W Lon		10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO	
14. Date Spudded 08/25/2014		15. Date T.D. Reached 09/03/2014	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/07/2014		17. Elevations (DF, KB, RT, GL)* 3766 GL	
18. Total Depth: MD 6412 TVD		19. Plug Back T.D.: MD 6373 TVD	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) SG/BHCS/HI-RES LL/CNL		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 H-40	48.0		403		370		0	
11.000	8.625 J-55	32.0		3518		1200		0	
7.875	5.500 J-55	17.0		6412		970		0	

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	6336							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA	4614		4620 TO 5091	1.000	25	PRODUCING
B) PADDOCK	4669		5180 TO 5783	1.000	31	PRODUCING
C) BLINEBRY	5158		5860 TO 6240	1.000	15	PRODUCING
D) TUBB	6136					

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

Depth Interval	Amount and Type of Material
4620 TO 5091	161,574 GALS 20#, 223,427# SAND, 2522 GALS ACID, 4872 GALS GEL
5180 TO 5783	154,098 GALS 20#, 199,509# SAND, 3598 GALS ACID, 3948 GALS GEL
5860 TO 6240	169,890 GALS 20#, 221,639# SAND, 4445 GALS ACID, 4746 GALS GEL

Accepted for record
WJ NMLC 2/24/15

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
10/07/2014	01/27/2015	24	→	45.0	80.0	100.0	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	
			→				1778	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gr. Gr.	Well
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	
			→						

Pending BLM approvals will
subsequently be reviewed
and scanned *AD*

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #292097 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
					Mcas. Depth
RUSTLER	301	463	SANDSTONE/ANHYDRITE	RUSTLER	301
YATES	1474	1776	SANDSTONE	YATES	1474
SEVEN RIVERS	1776	2390	SS*/CARBONATE-OIL, GAS & WATER	SEVEN RIVERS	1776
SAN ANDRES	3130	4614	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3130
GLORIETA	4614	4669	SANDSTONE - OIL, GAS & WATER	GLORIETA	4614
PADDOCK	4669	5158	DOLOMITE - OIL, GAS & WATER	PADDOCK	4669
BLINEBRY	5158	6136	DOLOMITE - OIL, GAS & WATER	BLINEBRY	5158
TUBB	6136		SANDSTONE - OIL, GAS & WATER	TUBB	6136

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 02/17/2015.

Tansill Salt - Salt- 463'-1315'
 Bottom Salt - Salt- 1315'-1474'
 Queen - Sandstone/Carbonate - Oil, Gas & Water - 2390'-3130'.
 Tubb - didn't drill far enough to get bottom depth of Tubb.

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 #292097 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 02/18/2015

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.

Additional data for transaction #292097 that would not fit on the form

32. Additional remarks, continued

*SS - Sandstone