

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 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW / 09/16/2014
⁴ API Number 30-015-42026	⁵ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST 109	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL	⁹ Well Number 016

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C.	1	18S	27E		1305	NORTH	2455	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	1	18S	27E		1662	North	2299	West	EDDY

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 09/16/2014	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 OCT 01 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 03/20/2014	²² Ready Date 09/16/2014	²³ TD 4555' / 4466'	²⁴ PBTD 4510'	²⁵ Perforations 3378'-4324'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	380'	540 sx Class C		
7-7/8"	5-1/2"	4555'	840 sx Class C		
Tubing	2-7/8"	4386'			

V. Well Test Data

³¹ Date New Oil 09/16/2014	³² Gas Delivery Date 09/16/2014	³³ Test Date 09/22/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 56	³⁹ Water 584	⁴⁰ Gas 98		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: <i>Paige Futrell</i>	OIL CONSERVATION DIVISION Approved by: <i>J. C. Shapard</i> Title: "Geologist" Approval Date: <i>10-9-2014</i>
Printed name: Paige Futrell	
Title: Regulatory Analyst I	
E-mail Address: Paige.Futrell@apachecorp.com	
Date: 09/29/2014	
Phone: 432-818-1893	
Pending BLM approvals will subsequently be reviewed and scanned <i>109</i> <i>3160-4</i> <i>3160-5</i>	

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM0557371
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1893	8. Well Name and No. AAO FEDERAL 16
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T18S R27E NENW 1305FNL 2455FWL 32.779712 N Lat, 104.232720 W Lon		9. API Well No. 30-015-42026
		10. Field and Pool, or Exploratory RED LAKE; GLORIETA-YESO NE
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Production Start-up

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 followed: (RR 03/26/2014)

04/07/2014: MIRUSU. Run log (CBL). Perf Glorieta/Yeso @
3378,98,3419,39,86,3512,46,65,3609,29,54,74,3702,21,58,78,3801,79,3908,28,
48,4012,39,81,4123,68,91,4276,4305,24. w/1 SPF 30 holes.
04/08/2014: Acidize Glorieta/Yeso w/3696 gals 15% HCl NEFE acid.
04/15/2014: Frac Glorieta/Yeso w/285,541# 16/30 sand, 235,914 20#,3192.gal linear gel.
04/18/2014: CO well to PBDT @4510 w/bailer.
04/21/2014: RIH w/2-7/8" J-55 6.5# Prd. tbg., SN@4362', ETD@4386', Set 640 PU. SI waiting
on battery.
09/16/2014: Start prod to AAO Fed south battery.

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

**Electronic Submission #266723 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/29/2014

THIS SPACE FOR FEDERAL OR STATE OFFICIAL 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

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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.

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

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 01 2014

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

WELL COMPLETION OR RECOMPLETION REPORT **RECEIVED**

5. Lease Serial No.
NMNM0557371

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			Contact: PAIGE FUTRELL E-Mail: paige.futrell@apachecorp.com		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			3a. Phone No. (include area code) Ph: 432-818-1893		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 1 T18S R27E Mer At surface NENW 1305FNL 2455FWL 32.779712 N Lat, 104.232720 W Lon Sec 1 T18S R27E Mer At top prod interval reported below NENW 1305FNL 2455FWL 32.779712 N Lat, 104.232720 W Lon Sec 1 T18S R37E Mer At total depth SENW Lot F 1662FNL 2299FWL			8. Lease Name and Well No. AAO FEDERAL 16		
14. Date Spudded 03/20/2014			15. Date T.D. Reached 03/25/2014		9. API Well No. 30-015-42026
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/16/2014			10. Field and Pool, or Exploratory RED LAKE; GLORIETA-YESO NE		
17. Elevations (DF, KB, RT, GL)* 3609 GL			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer		
18. Total Depth: MD 4555 TVD			19. Plug Back T.D.: MD 4510 TVD		12. County or Parish EDDY
20. Depth Bridge Plug Set: MD TVD			13. State NM		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HNCR/CN/BHCS-SGR/CAL/HI-RESLL			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		380		540		0	
7.875	5.500 J-55	17.0		4555		840		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	4386							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA/YESO	3378	4324	3378 TO 4324	1.000	30	PRODUCING
B)						
C)						
D)						

26. Perforation Record

Depth Interval	Amount and Type of Material
3378 TO 4324	3696 GAL ACID, 285,541# SAND, 3192 GAL GEL, 235,914 GAL 20#

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
09/16/2014	09/22/2014	24	→	56.0	98.0	584.0	38.0		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	
							1750	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API
			→				
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

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

ELECTRONIC SUBMISSION #266756 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 Meas. Depth
YATES	247	489	SHALE,SS*,ANHYDRITE/WATER	YATES	247
SEVEN RIVERS	489	837	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	489
QUEEN	1054	1518	SS*,SANDSTONE,ANHYDRIT/WATER	QUEEN	1054
GRAYBURG	1518	1865	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1518
SAN ANDRES	1865	3352	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1865
GLORIETA	3352	3442	DOLOMITE,SANDSTONE/O,G,W*	GLORIETA	3352
PADDOCK	3442	3901	DOLOMITE/O,G,W*	PADDOCK	3442
BLINEBRY	3901		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3901

32. Additional remarks (include plugging procedure):

Formation tops continued:

Water table-water formation above Yates-Not logged.
There is not a base salt.
Bowers SS T-837' B-1054' Sandstone/Water
Blinbery-Didn't drill deep enough for a bottom depth.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (I 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 #266756 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) PAIGE FUTRELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/29/2014

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 **

Additional data for transaction #266756 that would not fit on the form

32. Additional remarks, continued

SS*: Siltstone

Dol*: Dolomite

O,G,W*: Oil, Gas, Water

Attachments- Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 09/15/2014.