

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 NM/09/17/2014
⁴ API Number 30-015-42027	⁵ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL #017	⁹ Well Number 017

II. ¹⁰ Surface Location

UL or lot no. H	Section 1 ✓	Township 18-S	Range 27-E	Lot Idn	Feet from the 1650	North/South Line NORTH	Feet from the 865	East/West line EAST	County EDDY
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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 09/17/2014	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
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 16 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 03/27/2014	²² Ready Date 09/17/2014	²³ TD 4625'	²⁴ PBTB 4580'	²⁵ Perforations 3429'-4366'	²⁶ DHC, MC
²⁷ Hole Size 17-1/2"	²⁸ Casing & Tubing Size 13-3/8"	²⁹ Depth Set 327'	³⁰ Sacks Cement 530 sx Class C		
7-7/8"	5-1/2"	4625'	840 sx Class C		
Tubing	2-7/8"	4446'			

V. Well Test Data

³¹ Date New Oil 09/17/2014	³² Gas Delivery Date 09/17/2014	³³ Test Date 10/01/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 27	³⁹ Water 333	⁴⁰ Gas 45		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>T. B. Shepard</i> Title: "Geologist" Approval Date: <i>10-22-2014</i>	
Printed name: Paige Futrell			
Title: Regulatory Analyst I			
E-mail Address: Paige.Futrell@apachecorp.com			
Date: 10/09/2014	Phone: 432-818-1893		

Pending BLM approvals will
subsequently be reviewed
and scanned

TCS

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
3a. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432-818-1893		8. Well Name and No. AAO FEDERAL 17
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T18S R27E SENE 1650FNL 865FEL 32.778699 N Lat, 104.226385 W Lon		9. API Well No. 30-015-42027
		10. Field and Pool, or Exploratory REDLAKE, 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 checked="" 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 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 checked="" type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<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 the well, as followed: (RR 04/02/2014)

04/07/2014: MIRUSU. Run logs from PBTD@ 4580' to SF. TOC @60' (CBL). Perf Glorieta/Yeso from 3429,56,77,96,3519,40,59,82,3601,87,3711,29,82,3814,33,58,78,3945,4001,24,45,86,4113,32,52,86,4232,4300,28,47,66

@ 1 SPF 31 holes.

04/08/2014: Acidize Glorieta/Yeso from 3421-4366 W/3528 gal 15% HCl NEFE acid.

04/21/2014: Frac from 3429-4366. Pump 283,444# brown sand stages, siberprop sand.

04/29/2014: RIH w/2-7/8" J-55 6.5# prod tbg, ETD @4446, SN @4421.CO to PBTD@4580

04/30/2014: Lay flowline, Set 640 pumping unit. SI waiting on battery.

09/17/2014: Start prod to AAO FED south batt. POP.

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 16 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #269450 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 10/08/2014

THIS SPACE FOR FEDERAL OR STATE

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 *TCS*

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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)* At surface SENE 1650FNL 865FEL 32.778699 N Lat, 104.226385 W Lon At top prod interval reported below SENE 1650FNL 865FEL 32.778699 N Lat, 104.226385 W Lon At total depth SENE 1650FNL 865FEL 32.778699 N Lat, 104.226385 W Lon			8. Lease Name and Well No. AAO FEDERAL 17		
14. Date Spudded 03/27/2014			15. Date T.D. Reached 04/01/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/17/2014			9. API Well No. 30-015-42027		
18. Total Depth: MD TVD 4625			19. Plug Back T.D.: MD TVD 4580		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory REDLAKE;GLORIETA-YESO,NE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HI-RES LL,BHPL,BHCS,CN, SGR			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer		
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 checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3658 GL		

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	370			530		0	
7.875	5.500 J-55	17.0	4625			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	4446							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3429	4366	3429 TO 4366	1.000	31	PRODUCING
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.		NM OIL CONSERVATION ARTESIA DISTRICT OCT 16 2014 RECEIVED
Depth Interval	Amount and Type of Material	
3429 TO 4366	3528 GAL ACID, 283,444# SAND, 3276 GAL 10# GEL, 234,108 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
09/17/2014	10/01/2014	24	→	27.0	45.0	333.0	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	
			→				1667	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
JCS

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

ELECTRONIC SUBMISSION #269712 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	302	550	SHALE,SS*,ANHYDRITE/WATER	YATES	302
SEVEN RIVERS	550	1134	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	550
GRAYBURG	1600	1938	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1600
SAN ANDRES	1938	3427	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1938
GLORIETA	3427	3480	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3427
YESO	3480	3553	DOLOMITE/O,G,W*	YESO	3480
PADDOCK	3553	3985	DOLOMITE/O,G,W*	PADDOCK	3553
BLINEBRY	3985		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3985

32. Additional remarks (include plugging procedure):

Formation tops continued:

Water table-water formation above Yates-Not logged.
Queen: 1134'-1600' Siltstone, sandstone, anhydrite/Water.
There is not a base salt.

SS*: Siltstone

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 #269712 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 10/09/2014

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 #269712 that would not fit on the form

32. Additional remarks, continued

Dol*: Dolomite

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

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