

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 30-015-42024	⁵ Pool Name RED LAKE, GLORIETA-YESO, NORTHEAST	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL	⁹ Well Number 0140

II. ¹⁰ Surface Location

UL or lot no. A	Section 1	Township 18S	Range 27E	Lot Idn 1	Feet from the 126	North/South Line NORTH	Feet from the 141	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 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				

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 22 2014		
RECEIVED		

IV. Well Completion Data

²¹ Spud Date 03/07/2014	²² Ready Date 09/16/2014	²³ TD 4520'	²⁴ PBSD 4500'	²⁵ Perforations 3454'-4225'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
7-7/8"	5-1/2"	4,520'	990 sx Class C		
17-1/2"	13-3/8"	350'	500 sx Class C		
Tubing	2-7/8"	4303'			

V. Well Test Data

³¹ Date New Oil 09/16/2014	³² Gas Delivery Date 09/16/2014	³³ Test Date 10/11/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 56	³⁹ Water 459	⁴⁰ Gas 70		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:
Paige Futrell

Title:
Regulatory Analyst I

E-mail Address:
Paige.Futrell@apachecorp.com

Date:
10/15/2014

Phone:
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.**

5. Lease Serial No.
NMNM0557371
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
AAO FEDERAL 14

9. API Well No.
30-015-42024

10. Field and Pool, or Exploratory
REDLAKE, GLORIETA-YESO, NE

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: PAIGE FUTRELL
E-Mail: paige.futrell@apachecorp.com

3a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1893

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 1 T18S R27E NENE 126FNL 141FEL
32.782864 N Lat, 104.224016 W Lon

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 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 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: 03/14/2014)

03/17/2014: MIRSU. DO float collar & cmt to PBTD @4500. Circ hole clean.
03/18/2014: Run logs, from PBTD to SF (CBL). TOC @41' FS. Perf Glorieta/Yeso @3454, 72, 96, 3518, 38, 53, 83, 3610, 41, 64, 78, 98, 3718, 45, 71, 95, 3818, 38, 73, 3901, 37, 53, 80, 4000, 20, 40, 60, 80, 4128, 72, 4225. W/1 SPF 31 holes.
Acidize Glorieta/Yeso, w/ 3670 gals 15% HCl Nefe
Acid, 110 gal SCW-358 inhib & 55 gal CRW-172 corrosion inhib. Clean location. RDMOSU.
03/31/2014: Frac Glorieta/Yeso: w/ 217,182 gals 20#, 280,469# 16/30 sand, and 3276 gals 10# linear gel. Pump pad, brown sand stages, siberprop sand stage & flush.

10/29/14
Accepted for record
NMOC

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

Electronic Submission #270991 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 10/15/2014

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 knowingl
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdic

or agency of the United

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

Additional data for EC transaction #270991 that would not fit on the form

32. Additional remarks, continued

04/02/2014: RIH w/ bailer & CO to PBTD @4500.

04/03/2014:RIH w/ 2-7/8" J-55,6.5# prod tbg, SN @4246,ETD @4303.

Clean location, RDMOSU. Build wellhead & lay flowline. Set 640 PU.

Install elec. SI.

05/06/2014: RIH w/pump and rods. SI well. wait on AAO FED batt to produce well.

09/16/2014: Start production to AAO FED South Batt. POP.

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 NENE Lot 1 126FNL 141FEL 32.782864 N Lat, 104.224016 W Lon At top prod interval reported below NENE Lot 1 126FNL 141FEL 32.782864 N Lat, 104.224016 W Lon At total depth NENE 330FNL 330FEL			8. Lease Name and Well No. AAO FEDERAL 14		
14. Date Spudded 03/07/2014			15. Date T.D. Reached 03/12/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/16/2014			9. API Well No. 30-015-42024		
18. Total Depth: MD TVD 4520			19. Plug Back T.D.: MD TVD 4500		
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) PHPL/BHCS/CN/HI-RESLL/SGR			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer		
12. County or Parish EDDY			13. State NM		
17. Elevations (DF, KB, RT, GL)* 3665 GL			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	350			880		0	
7.875	5.500 L-80	17.0	4520			990		41	

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	4303							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3454	4225	3454 TO 4225	1.000	30	PRODUCING
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3454 TO 4225	3670 ACID, 280,469# SAND, 3276 GAL 10# GEL, 217,182 GAL 20#

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 22 2014

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	10/11/2014	24	→	56.0	70.0	459.0	37.0		RECEIVED 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	
			→				1250	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	
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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subsequently be reviewed
and scanned

PS

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

ELECTRONIC SUBMISSION #270984 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	310	556	SHALE,SS*,ANHYDRITE/WATER	YATES	310
SEVEN RIVERS	556	909	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	556
GRAYBURG	1594	1936	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1594
SAN ANDRES	1936	3406	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1936
GLORIETA	3406	3456	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3406
YESO	3456	3539	DOLOMITE/ O,G,W	YESO	3456
PADDOCK	3539	3971	DOLOMITE/ O,G,W	PADDOCK	3539
BLINEBRY	3971		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3971

32. Additional remarks (include plugging procedure):

Formation tops continued:

Water table-water formation above Yates-Not logged.
Bowers SS: 909'-1135' Siltstone, sandstone, anhydrite/Water.
Queen: 1135'-1594' Siltstone, sandstone, anhydrite/Water.
There is not a base salt.

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 #270984 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 10/15/2014

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 #270984 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.