

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/09/18/2014
⁴ API Number 30-015-42360	⁵ Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL	⁹ Well Number 030

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
M	1	18-S	27-E		1261	SOUTH	281	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
L	1	18S	27E		1649	SOUTH	345	WEST	EDDY
¹² Lsc Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 09/18/2014	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 07/20/2014	²² Ready Date 09/18/2014	²³ TD 4613' 4500'	²⁴ PBTB 4599'	²⁵ Perforations 3338'-4400'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	360'	530 sx Class C		
7-7/8"	5-1/2"	4613'	850 sx Class C		
Tubing	2-7/8"	4489'			

V. Well Test Data

³¹ Date New Oil 09/18/2014	³² Gas Delivery Date 09/18/2014	³³ Test Date 10/06/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 70	³⁹ Water 81	⁴⁰ Gas 41		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. C. 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
TC

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.*5. Lease Serial No.
NMNM0557371

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.
AAO FEDERAL 302. Name of Operator
APACHE CORPORATIONContact: PAIGE FUTRELL
E-Mail: paige.futrell@apachecorp.com9. API Well No.
30-015-423603a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-189310. Field and Pool, or Exploratory
REDLAKE;GLORIETA-YESO,NE

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

Sec 1 T18S R27E SWSW 1261FSL 281FWL
32.772587 N Lat, 104.239709 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 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 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 07/27/2014)

07/30/2014: DO float collar & cmt to PBTD@ 4599'. Circ hole clean.
07/31/2014: Run log (CBL). Estimated TOC@ surface. PerfGlorieta/Yes@3338,56,74
92,3424,42,60,82,3500,22,40,58,3600,18,36,55,73,3718,39,71,97,3836
74,3900,79,4024,64,4105,25,80,4284,4304,4400&4418 @1 SPF 34 holes.
08/01/2014: Acidize Glorieta/Yeso from 3338-4418 w/3893 gal 15% HCL NEFE Acid.
08/04/2014: POOH w/tbg. RDMOSU.
08/12/2014: Frac from 3338-4418, pump pad w/ 329,622# brown san stages,
siberprop sand stage and flush. SI well.
08/29/2014: MIRUSU NU BOP. RIH w/bailer.
09/02/2014: CO sand to 4535'.

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 16 2014

RECEIVED

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

Electronic Submission #269737 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 10/09/2014

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
TCSTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

or agency of the United

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

Additional data for EC transaction #269737 that would not fit on the form

32. Additional remarks, continued

09/03/2014: CO sand to PBTB @4599.

09/04/2014: RIH w/ 2-7/8" J-55,6.5# prod tbg, ETD @4489,SN@4465.

09/05/2014: Clean location. Build wellhead & lay flowline.

09/18/2014: Set Ampscot 640 pumping Unit. Start prod. to AAO FED South Batt.POP

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 16 2014

FORM 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 SWSW 1261FSL 281FWL 32.772587 N Lat, 104.239709 W Lon At top prod interval reported below SWSW 1261FSL 281FWL 32.772587 N Lat, 104.239709 W Lon At total depth NWSW 1649FSL 345FWL			8. Lease Name and Well No. AAO FEDERAL 30		
14. Date Spudded 07/20/2014			15. Date T.D. Reached 07/25/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/18/2014			9. API Well No. 30-015-42360		
18. Total Depth: MD TVD 4613			19. Plug Back T.D.: MD TVD 4599		
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) CM-NL, BN-CS, HIGH-RES. LAT, CL			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 type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3570 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	360			530		0	
7.875	5.500 L-80	17.0	4613			850		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	4489							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3338	4400	3338 TO 4400	1.000	34	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3338 TO 4400	3893 GAL ACID, 329,662# SAND, 3318 GAL 10# GEL, 6753 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
09/18/2014	10/06/2014	24	→	70.0	81.0	434.0	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	
							1157		

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
TCS

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

ELECTRONIC SUBMISSION #269715 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.)
CAPTURED

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	206	456	SHALE,SS*,ANHYDRITE/ WATER	YATES	206
SEVEN RIVERS	456	1029	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	456
GRAYBURG	1503	1849	DOL*,SS*,SANDSTONE/ O,G,W*	GRAYBURG	1503
SAN ANDRES	1849	3336	DOL*,CHERT/ OIL, GAS, WATER	1849	3080
GLORIETA	3336	3393	DOL,SS*/ OIL, GAS, WATER	GLORIETA	3336
YESO	3393	3466	DOLOMITE/ OIL, GAS, WATER	YESO	3393
PADDOCK	3466	3887	DOLOMITE/ OIL, GAS, WATER	PADDOCK	3466
BLINEBRY	3387		DOL*,SS*,SANDSTONE/ O,G,W*	BLINEBRY	3387

32. Additional remarks (include plugging procedure):
Formation tops continued:

Water table-water formation above Yates-Not logged.
There is not a base salt.
Queen T-1029' B-1503' Siltstone,sandstone,anhydrite/ water.
Blinbery-Didn't drill deep enough for a bottom depth.

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 #269715 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) PAIGE FUTRELLTitle REGULATORY ANALYSTSignature (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.

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Additional data for transaction #269715 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 10/09/2014.