

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-09/19/2014
⁴ API Number 30-015-42334	⁵ Pool Name RED LAKE, GLORIETA, YESO, NORTHEAST	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL	⁹ Well Number 021

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	3	1005	North	1630	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
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 09/19/2014	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
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IV. Well Completion Data

²¹ Spud Date 05/27/2014	²² Ready Date 09/19/2014	²³ TD 4625'	²⁴ PBTB 4570'	²⁵ Perforations 3268'-4296'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
7-7/8"	5-1/2"	4625'	1120 sx Class C		
17-1/2"	13-3/8"	304'	530 sx Class C		
Tubing	2-7/8"	4390'			

V. Well Test Data

³¹ Date New Oil 09/19/2014	³² Gas Delivery Date 09/19/2014	³³ Test Date 10/06/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 21"	³⁹ Water 140	⁴⁰ Gas 96		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: *Paige Futrell*

Printed name:
Paige Futrell

Title:
Regulatory Analyst I

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

Date:
10/13/2014

Phone:
432-818-1893

OIL CONSERVATION DIVISION

Approved by:

T.C. Shepard

Title:

"Geologist"

Approval Date:

10-22-2014

Pending BLM approvals will
subsequently be reviewed
and scanned

TCS.

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 212. Name of Operator
APACHE CORPORATIONContact: PAIGE FUTRELL
E-Mail: paige.futrell@apachecorp.com9. API Well No.
30-015-423343a. 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 NENW 1005FNL 1630FWL
32.780565 N Lat, 104.235432 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 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: 06/02/2014)

06/05/2014: MIRUSU. DO cmt.

06/06/2014: DO cmt to 2308.

06/09/2014: DO cmt to 2698. Circ hole clean.

06/10/2014: DO cmt to 3153. Circ hole clean.

06/11/2014: DO cmt to 3543. Circ hole clean.

06/12/2014: DO cmt to 3965. Circ hole clean.

06/13/2014: DO cmt to 4290. Circ hole clean.

06/16/2014: DO cmt to 4570. Circ hole clean.

06/17/2014: Run log. TOC @ surface (CBL). Perf Glorieta/Yeso @3268,88,3319,38,
60,82,3400,20,55,77,95,3520,45,90,3608,30,67,3710,32,70,89,3818,50,**NM OIL CONSERVATION**
ARTESIA DISTRICT

OCT 16 2014

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

Electronic Submission #270510 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 10/13/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE

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

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

Additional data for EC transaction #270510 that would not fit on the form

32. Additional remarks, continued

70,95,3921,59,98,4040,60,84,4130,50,70,90,4210,40,70,& 96, @ 1 SPF
39 holes.

06/18/2014: Acidize Glorieta/Yeso w/ 3500 gals 15% HCl NEFE Acid.SI.

Frac well on 07/08/2014.

08/05/2014: Glorieta/Yeso frac from 3268-4296, pump 300,258# of brown sand.

Pump pad, brown sand stages, Siberprop san stage & flush.

08/12/2014: CO to PBD @4570'.

08/13/2014: RIH w/ 2-7/8" J-55,6.5# prod tbg, SN @4366,ETD @4390.

Clean location. RDMOSU. Set 640 P.U. SI. Wait on approval to build
batt to produce well.

09/19/2014: Start prod to AAO FED South batt. POP.

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 LOG

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. AAO FEDERAL 21		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			9. API Well No. 30-015-42334		
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 NENW Lot 3 1005FNL 1630FWL 32.780565 N Lat, 104.235432 W Lon At top prod interval reported below NENW Lot 3 1005FNL 1630FWL 32.780565 N Lat, 104.235432 W Lon At total depth NENW Lot 3 1005FNL 1630FWL 32.780565 N Lat, 104.235432 W Lon			10. Field and Pool, or Exploratory REDLAKE;GLORIETA-YESO,NE		
			11. Sec., T., R., M., or Block and Survey or Area Sec 1 T18S R27E Mer		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 05/27/2014		15. Date T.D. Reached 05/31/2014	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/19/2014		17. Elevations (DF, KB, RT, GL)* 3603 GL
18. Total Depth: MD TVD 4625		19. Plug Back T.D.: MD TVD 4570		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHCS/HI-RES LL/CN/CAL/SGR				22. Was well cored? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input 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	378			530		0	
7.875	5.500 J-55	17.0	4625			1120		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	4390							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3268	4296	3268 TO 4296	1.000	39	PRODUCING
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material	
3268 TO 4296	3500 ACID, 300,258# SAND, 3150 GAL 10# GEL, 201,348 GAL 20#	NM OIL CONSERVATION ARTESIA DISTRICT
		OCT 16 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
09/19/2014	10/06/2014	24	→	21.0	96.0	140.0	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	
							4571	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 Gra
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well

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105

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

ELECTRONIC SUBMISSION #270501 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. Flowg. 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. Flowg. 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	232	475	SHALE,SS*,ANHYDRITE/WATER	YATES	232
SEVEN RIVERS	475	1028	SHALE,SS*,ANHYDRITE,DOL*/O,G,W	SEVEN RIVERS	475
GRAYBURG	1481	1825	DOL*,SS*,SANDSTONE/O,G,W*	GRAYBURG	1481
SAN ANDRES	1825	3257	DOLOMITE,CHERT/O,G,W*	SAN ANDRES	1825
GLORIETA	3257	3382	DOLOMITE, SANDSTONE/O,G,W*	GLORIETA	3257
PADDOCK	3382	3806	DOLOMITE/O,G,W*	PADDOCK	3382
BLINEBRY	3806		DOL*,SS*,SANDSTONE/O,G,W*	BLINEBRY	3806

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

Water table-water formation above Yates-Not logged.
Queen: 1028'-1481' 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 #270501 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 10/13/2014

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 #270501 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 09/17/2014.