

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 /10/16/2014
⁴ API Number 30-015-42361	⁵ Pool Name RED LAKE, GLORIETA, YESO, NORTHEAST	⁶ Pool Code 96836
⁷ Property Code 308703	⁸ Property Name AAO FEDERAL	⁹ Well Number #025

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
L	1	18S	27E		2000	SOUTH	1022	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		2298	SOUTH	346	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 10/16/2014	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 NOV 04 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 06/23/2014	²² Ready Date 10/16/2014	²³ TD 4655' <i>4600</i>	²⁴ PBSD 4640'	²⁵ Perforations 3369'-4418'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	366'	880 sx Class C		
8-5/8"	11"	417'	210 sx Class C		
7-7/8"	5-1/2"	4655'	900 sx Class C		
Tubing	2-7/8"	4523'			

V. Well Test Data

³¹ Date New Oil 10/26/2014	³² Gas Delivery Date 10/16/2014	³³ Test Date 10/26/2014	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 21	³⁹ Water 205	⁴⁰ Gas 61		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:
10/29/2014

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.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 252. Name of Operator
APACHE CORPORATIONContact: PAIGE FUTRELL
E-Mail: paige.futrell@apachecorp.com9. API Well No.
30-015-423613a. 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 NWSW 2000FSL 1022FWL
32.774589 N Lat, 104.237320 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 recomple 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: 07/03/2014)

07/07/2014: DO float collar & cmt to PBTD @4640'. Circ hole clean.
07/08/2014: Run logs, from PBTD to SF (CBL). TOC @surface. Perf Glorieta/Yeso @ 3369, 88, 3407, 30, 48, 71, 96, 3528, 62, 90, 3610, 28, 82, 3716, 34, 55, 76, 3802, 78, 3932, 79, 4018, 83, 4210, 18, 63, 81, 99, 4334, 52, 70, 88, & 4418. W/ 1 SPF 33 holes.
07/09/2014: Circ hole clean. Acidize Glorieta/Yeso @3369-4418, w/ 3500 gal 15% HCl Nefe Acid, 110 gal SCW-358 inhib & 55 gal CRW-172 corrosion inhib. Clean location. RDMOSU.
08/06/2014: Frac Glorieta/Yeso: w/ 226,044 gal 20#, 3234 gal 10# gel, 304,134# 16/30 sand, Pump pad, brown sand stages, siberprop sand stage &

NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 04 2014

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

**Electronic Submission #274547 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 10/29/2014

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 knowingly and willfully to make 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 #274547 that would not fit on the form

32. Additional remarks, continued

flush.

09/30/2014: MIRUSU NU BOP RIH w/ bailer.

10/01/2014: CO sand to PBTD @4640' RIH w/ 2-7/8" J-55,6.5# prod tbg, SN@ 4498
EDT@ 4523.

10/02/2014: RIH w/pump and rods. Clean location. RDMOSU. Build wellhead & lay
flowline. Set 640 PU. Install elec. SI. wait on AAO FED batt to
produce well.

10/15/2014: Start production to AAO FED South Batt. POP.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONSERVATION

ARTESIA DISTRICT

NOV 04 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 ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

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6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
APACHE CORPORATION

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

8. Lease Name and Well No.
AAO FEDERAL 25

3. Address 303 VETERANS AIRPARK LN
MIDLAND, TX 79705

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

9. API Well No.
30-015-42361

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSW 2000FSL 1022FWL 32.774589 N Lat, 104.237320 W Lon

At top prod interval reported below NWSW 2000FSL 1022FWL 32.774589 N Lat, 104.237320 W Lon

At total depth NWSW 2298FSL 346FWL

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
06/23/2014

15. Date T.D. Reached
07/01/2014

16. Date Completed
☐ D & A ☒ Ready to Prod.
10/16/2014

17. Elevations (DF, KB, RT, GL)*
3576 GL

18. Total Depth: MD
TVD 4655

19. Plug Back T.D.: MD
TVD 4640

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
HI-RES LL, CN,SGR,BHPL,BHCS-SGR

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☒ Yes (Submit analysis)
Directional Survey? ☐ No ☒ 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	366			880		0	
11.000	8.375 J-55	24.0	417			210		0	
7.875	5.500 J-55	17.0	4655			900		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	4523							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA-YESO	3369	4418	3369 TO 4418	1.000	33	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3471 TO 4306	3948 ACID, 319,159# SAND, 3360 GAL 10# GEL, 232,764 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
10/16/2014	10/26/2014	24	→	21.0	61.0	205.0	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	
			→				2904	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

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

ELECTRONIC SUBMISSION #274543 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	210	461	SHALE, SS*, ANHYDRITE/WATER	YATES	210
SEVEN RIVERS	461	1029	SHALE, SS*, ANHYDRITE, DOL*/O, G, W	SEVEN RIVERS	461
GRAYBURG	1505	1854	DOL*, SS*, SANDSTONE/O, G, W*	GRAYBURG	1505
SAN ANDRES	1854	3336	DOLOMITE, CHERT/O, G, W*	SAN ANDRES	1854
GLORIETA	3336	3374	DOLOMITE, SANDSTONE/O, G, W*	GLORIETA	3336
YESO	3374	3443	DOLOMITE/ O, G, W	YESO	3374
PADDOCK	3443	3845	DOLOMITE/ O, G, W	PADDOCK	3443
BLINEBRY	3845		DOL*, SS*, SANDSTONE/O, G, W*	BLINEBRY	3845

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

Water table-water formation above Yates-Not logged.
Queen: 1029'-1505' 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 #274543 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 10/29/2014

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 #274543 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 09/18/2014.