

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 /09/17/2014 |
| ⁴ API Number 30-015-42337 | ⁵ Pool Name RED LAKE;GLORIETA-YESO,NORTHEAST | ⁶ Pool Code 96836 |
| ⁷ Property Code 308703 | ⁸ Property Name AAO FEDERAL | ⁹ Well Number 024 |

II. ¹⁰Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 1 | 18S | 27E | 1 | 984 | NORTH | 243 | EAST | 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 09/17/2014 | 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 | ²² Ready Date | ²³ TD | ²⁴ PBD | ²⁵ Perforations | ²⁶ DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 06/03/2014 | 09/17/2014 | 4600' | 4588' | 3418'-4315' | |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17.5" | 13.375" | 350' | 530sx Class C | | |
| 7.875" | 5.5" | 4600' | 900 sx Class C | | |
| Tubing | 2-7/8" | 4425' | | | |

V. Well Test Data

| ³¹ Date New Oil | ³² Gas Delivery Date | ³³ Test Date | ³⁴ Test Length | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
|----------------------------|---------------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|
| 09/17/2014 | 09/17/2014 | 10/02/2014 | 24 hrs | | |
| ³⁷ Choke Size | ³⁸ Oil | ³⁹ Water | ⁴⁰ Gas | ⁴¹ Test Method | |
| | 38 | 455 | 90 | 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: | <i>T. C. Shepard</i> |
| Title: | "Geologist" |
| Approval Date: | <i>10-22-2014</i> |

Pending BLM approvals will subsequently be reviewed and scanned

TC

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.

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.

8. Well Name and No.
AAO FEDERAL 24

9. API Well No.
30-015-42337

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 984FNL 243FEL
32.780509 N Lat, 104.224351 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 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: 06/08/2014)

06/16/2014: MIRUSU. TOC @surface. Perf Glorieta/Yeso @3418,36,54,74,3508,26,54,74,94,3630,50,70,88,3720,40,90,3830,55,80,3900,20,42,4060,4115,35

55,4230,50,70,4315. W/ 1 SPF 30 holes.

06/17/2014: Acidize Glorieta/Yeso form 3418-4315 W/ 3500 gals 15% HCl NEFE Acid. Sl. Prep to frac on 06/30/2014.

07/08/2014: Frac Glorieta/Yeso w/ 293,559# of 16/30 sand, 3402 gal 10# linear gel, and 244,188 gals 20#.

07/14/2014: RIH w/ bailer & CO to PBTD @4558.

07/15/2014: RIH w/ 2-7/8" J-55,6.5# prod tbg, SN @4401,ETD @4425.

07/16/2014: Clean location. RDMOSU. Set 640 PU. Sl. Wait on approval to build

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 16 2014

RECEIVED

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

Electronic Submission #270532 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 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

TOS

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

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

Additional data for EC transaction #270532 that would not fit on the form

32. Additional remarks, continued

batt to produce well.

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

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 16 2014

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT

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 _____

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 24

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

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

9. API Well No.
30-015-42337

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

At surface **NENE Lot 1 984FNL 243FEL 32.780509 N Lat, 104.224351 W Lon**

At top prod interval reported below **NENE Lot 1 984FNL 243FEL 32.780509 N Lat, 104.224351 W Lon**

At total depth **NENE Lot 1 984FNL 243FEL 32.780509 N Lat, 104.224351 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
06/03/2014

15. Date T.D. Reached
06/04/2014

16. Date Completed
 D & A Ready to Prod.
09/17/2014

17. Elevations (DF, KB, RT, GL)*
4600 GL

18. Total Depth: MD 4600
TVD

19. Plug Back T.D.: MD 4558
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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 | 305 | | | 530 | | 0 | |
| 7.875 | 5.500 L-80 | 17.0 | 4600 | | | 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 | 4425 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------------|------|--------|---------------------|-------|-----------|--------------|
| A) GLORIETA-YESO | 3418 | 4315 | 3418 TO 4315 | 1.000 | 30 | PRODUCING |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 3268 TO 4296 | 3500 ACID, 293,559# SAND, 3402 GAL 10# GEL, 244,188 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 | 10/02/2014 | 24 | ▶ | 38.0 | 90.0 | 455.0 | 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 | |
| | | | ▶ | | | | 2368 | 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 | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | ▶ | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | ▶ | | | | | | |

Pending BLM approvals will subsequently be reviewed and scanned
JCS

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

ELECTRONIC SUBMISSION #270538 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 | 547 | SHALE,SS*,ANHYDRITE/WATER | YATES | 302 |
| SEVEN RIVERS | 547 | 1130 | SHALE,SS*,ANHYDRITE,DOL*/O,G,W | SEVEN RIVERS | 547 |
| GRAYBURG | 1589 | 1930 | DOL*,SS*,SANDSTONE/O,G,W* | GRAYBURG | 1589 |
| SAN ANDRES | 1930 | 3405 | DOLOMITE,CHERT/O,G,W* | SAN ANDRES | 1930 |
| GLORIETA | 3405 | 3462 | DOLOMITE, SANDSTONE/O,G,W* | GLORIETA | 3405 |
| YESO | 3462 | 3543 | DOLOMITE/ O,G,W | YESO | 3462 |
| PADDOCK | 3543 | 3954 | DOLOMITE/ O,G,W | PADDOCK | 3543 |
| BLINEBRY | 3954 | | DOL*,SS*,SANDSTONE/O,G,W* | BLINEBRY | 3954 |

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

Water table-water formation above Yates-Not logged.
Queen: 1130'-1589' 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 #270538 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.

Additional data for transaction #270538 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.