

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 /07/18/16 |
| ⁴ API Number 30-015-43362 | ⁵ Pool Name CEDAR LAKE; GLORIETA-YESO | ⁶ Pool Code [96831] |
| ⁷ Property Code [315935] | ⁸ Property Name CEDAR LAKE FEDERAL CA | ⁹ Well Number #723H |

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 | 7 | 17S | 31E | 3 | 2180 | SOUTH | 505 | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I | 7 | 17S | 31E | | 2147.5 | SOUTH | 331 | EAST | EDDY |

| | | | | | |
|-----------------------------|--|---|-----------------------------------|------------------------------------|-------------------------------------|
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 07/18/2016 | 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 |
| | | |
| | | |
| | | |

well's vertical depth on Frac Disclosure does not match directional survey

received 7-29-16 w/completion packet

IV. Well Completion Data

| | | | | | |
|---------------------------------------|--|-----------------------------------|----------------------------|--|-----------------------|
| ²¹ Spud Date 11/15/2015 | ²² Ready Date 07/18/2016 | ²³ TD 8765' / 4916' | ²⁴ PBTB 8765 | ²⁵ Perforations 5162-8745' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17.5 | 13.375 H40 48# | 420' | 725 sx Class C | | |
| 12.25 | 9.625 J55 40# | 3500' | 1450 sx Class C | | |
| 8.5 | 7 L80 29#/5.5 L80 20# | 4315' - 8754' | 580 sx Class C | | |
| TUBING | 2-7/8" J55 6.50 | 4570' | | | |

RR 11-28-15

V. Well Test Data

| | | | | | |
|--|---|-------------------------------------|-------------------------------------|-----------------------------|--------------------------------|
| ³¹ Date New Oil 07/18/2016 | ³² Gas Delivery Date 07/18/2016 | ³³ Test Date 07/23/16 | ³⁴ Test Length 24 hrs | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
| ³⁷ Choke Size | ³⁸ Oil 245 | ³⁹ Water 2121 | ⁴⁰ Gas 273 | | 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: *Emily Follis*
Printed name: EMILY FOLLIS
Title: Regulatory Analyst I
E-mail Address: emily.follis@apachecorp.com
Date: 07/25/2016
Phone: 432-818-1801

OIL CONSERVATION DIVISION
Approved by: *Karen Sharp*
Title: *Bus Op Spec - Adv*
Approval Date: *8-4-16*

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA DISTRICT
NM OIL CONSERVATION
JUL 29 2016

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. NMLC029435A |
| 6. If Indian, Allottee or Tribe Name |
| 7. If Unit or CA/Agreement, Name and/or No. NMNM134086 |
| 8. Well Name and No. CEDAR LAKE FEDERAL CA 723H |
| 9. API Well No. 30-015-43362 |
| 10. Field and Pool, or Exploratory CEDAR LAKE:GLORIETA-YESO |
| 11. County or Parish, and State EDDY COUNTY COUNTY, NM |

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

| | |
|--|--|
| 1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other | |
| 2. Name of Operator APACHE CORPORATION | Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com |
| 3a. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 | 3b. Phone No. (include area code) Ph: 432-818-1801 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R31E NWSW 2180FSL 505FWL | |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|--|---|
| <input 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 checked="" 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 type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Production Start-up |
| | <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 FOLLOWS: RR DATE 11/28/15 TOC@167'
 12/17/15 SET ANCHORS, FINAL CUT LOG GR-CNL-CBL MIRU @ LATER DATE
 12/28/15 WAITING ON WEATHER
 12/29/15 WAITING ON WEATHER TO PASS
 12/30/15 FOUND WELL @ 0# LOAD 7" TEST CASING TO 5000# GOOD TEST, MIRU PU & RU, NU BOP/5K SPOOL, RACK & TALLY 6100' J55 TBG PU & RIH W/6" BIT, BS(4) 3-1/2" DC, XO ON TBG, TAG DV TOOL @ 4312'
 12/31/15 FOUND WELL @ 0# PU SWVL, NU STRIPPER HD, BRK CIRC, DO DV TOOL, CIRC CLEAN, LD SWVL, ND STRIPPER HD, POH W/BIT, RIH W/4.60" MILL BS(4) 3-1/2" DCS ON BG TAG DEBRIS SUB @ 4583' SI, SDFD
 01/01/16 SHUT DOWN FOR HOLIDAY
 01/04/16 FOUND WELL @ 0# PU SWVL, NU SWVL, NU STRIPPER HD, BRK CIRC. MILL OUT DEBRIS SUB CIRC CLEAN, POH LD TBG, RD, WOR ND 5K BOP CAP WELL

| | |
|--|--------------------------|
| 14. I hereby certify that the foregoing is true and correct. <div style="text-align: center;">Electronic Submission #345609 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad</div> | |
| Name (Printed/Typed) EMILY FOLLIS | Title REGULATORY ANALYST |
| Signature (Electronic Submission) | Date 07/25/2016 |

THIS SPACE FOR FEDERAL OR STATE OFFICIAL APPROVAL

| | |
|---|--------------|
| 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 to any department or agency of the United 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 #345609 that would not fit on the form

32. Additional remarks, continued

05/04/16 PREP FOR FRAC

05/05-05/13/16 C & J FRAC - PADDOCK (14 STAGE FRAC) 5162-8745'

05/13/16 DRILL OUT, POOH LAYING DOWN 2-7/8" WORKSTRING & MILL, RD WOR

07/13/16 SFTY MEETING, MIRU, NU WH & BOP, RACK & TALLY TBG, ASSEMBLE GE ESP, PU & RIH ON TBG, ND BOP, RDMO

TOTAL ACID 2501 BBL

TOTAL SAND 2,633,775 #

07/18/16 First Flow

07/20/16 SET SURFACE, RUN ELECTRIC, PLUMB INTO BATTERY, FINAL REPORT

ORIGINAL WELL NAME - RAVEN FEDERAL #23H

JUL 29 2016

Form 3160-4
(August 2007)

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 RECEIVED

5. Lease Serial No.
NMLC029435A

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator APACHE CORPORATION Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705 3a. Phone No. (include area code) Ph: 432-818-1801

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWSW Lot 3 2180FSL 505FWL
At top prod interval reported below NWSW Lot 3 2147FSL 331FEL
At total depth NWSW Lot 3 Tract 17S 2147FSL 331FEL

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMNM134086

8. Lease Name and Well No. CEDAR LAKE FEDERAL CA 723H

9. API Well No. 30-015-43362

10. Field and Pool, or Exploratory CEDAR LAKE, GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey or Area Sec 7 T17S R31E Mer

12. County or Parish EDDY COUNTY 13. State NM

14. Date Spudded 11/15/2015 15. Date T.D. Reached 11/25/2015 16. Date Completed D & A Ready to Prod.

17. Elevations (DF, KB, RT, GL)* 3722 GL

18. Total Depth: MD 8765 TVD 4916 19. Plug Back T.D.: MD 8765 TVD 4916 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL-CBL-GR 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 H40 | 48.0 | 420 | 3500 | | 725 | | | |
| 12.250 | 9.625 J55 | 40.0 | 3500 | 4315 | | 1450 | | | |
| 8.500 | 7.000 L80 | 29.0 | 4315 | 4644 | | 580 | | | |
| 8.500 | 5.500 L80 | 20.0 | 4644 | 8754 | | | | | |

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 | 4570 | | | | | | | |

25. Producing Intervals 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|------------|------|--------|---------------------|------|-----------|---------------------|
| A) PADDOCK | 4632 | 8765 | 5162 TO 8745 | | | OPEN HOLE PRODUCING |
| B) | | | | | | |
| C) | | | | | | |
| D) | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 5162 TO 8745 | TOTAL SAND 2,633,775#, TOTAL ACID 2501 BBL |

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 |
|---------------------|---------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|---------------------------|
| 07/18/2016 | 07/23/2016 | 24 | → | 245.0 | 273.0 | 2121.0 | 37.0 | | ELECTRIC PUMP SUB-SURFACE |
| Choke Size | Tbg. Press Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | 111 | 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

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 |
| RUSTLER | 290 | 465 | ANHYDRITE, DOLOMITE W | RUSTLER | 290 |
| SALADO | 465 | 1310 | ANHYDRITE, DOLOMITE W | SALADO | 465 |
| TANSIL | 1310 | 1467 | ANHY, SALT, DOLO, SS O/G/W | TANSIL | 1310 |
| YATES | 1467 | 1744 | SANDSTONE O/G/W | YATES | 1467 |
| SEVEN RIVERS | 1744 | 2348 | SS, DOLO, LIMESTONE O/G/W | SEVEN RIVERS | 1744 |
| QUEEN | 2348 | 2749 | SS, DOLO, LIMESTONE O/G/W | QUEEN | 2749 |
| GRAYBURG | 2749 | 3071 | DOLO, LIMESTONE, SS O/G/W | GRAYBURG | 2749 |
| SAN ANDRES | 3071 | 4563 | DOLO, LIMESTONE, SS O/G/W | SAN ANDRES | 3071 |

32. Additional remarks (include plugging procedure):

GLORIETA SANDSTONE O/G/W 4563 - 4632
PADDOCK DOLOMITE O/G/W 4632 - TD (8765')

Original name - Raven Federal#23H

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 #345610 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 07/25/2016

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 ****