

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 3000 Midland TX 79705 | | ² OGRID Number 873 |
| | | ³ Reason for Filing Code/ Effective Date NW / 02/04/2014 |
| ⁴ API Number 30-015-41168 | ⁵ Pool Name Fren; Glorieta-Yeso | ⁶ Pool Code 26770 |
| ⁷ Property Code 308711 | ⁸ Property Name Crow Federal | ⁹ Well Number 024H |

II. ¹⁰Surface Location

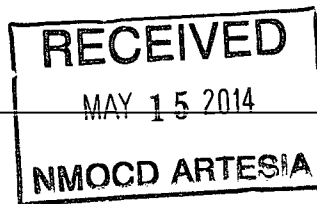
| UI or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E | 09 | 17S | 31E | | 1620 | North | 10 | 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 |
|-----------------------------|---|--|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| H | 09 | 17S | 31E | | 1608 | North | 335 | East | Eddy |
| ¹² Lse Code F | ¹³ Producing Method Code P | ¹⁴ Gas Connection Date 02/04/2014 | 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 |
|------------------------------------|---|---------------------|
| 221115 | Frontier Field Services LLC 4200 East Skelly Drive Suite 700 Tulsa OK 74135 | G |
| 252293 | Holly Energy Pipeline 311 W Quay / PO Box 1360 Artesia NM 88210 | O |
| | | |
| | | |
| | | |
| | | |



IV. Well Completion Data

| | | | | | |
|---------------------------------------|--|------------------------------------|-------------------------------|---|-----------------------|
| ²¹ Spud Date 10/10/2013 | ²² Ready Date 02/04/2014 | ²³ TD 10,858' / 6190 | ²⁴ PBDT 10,858' | ²⁵ Perforations 6358'-10,760' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 17-1/2" | 13-3/8" | 510' | 560 sx Class C | | |
| 11" | 8-5/8" | 3501' | 1280 sx Class C | | |
| 7-7/8" | 5-1/2" | 10,858' | 1700 sx Class C | | |
| Tubing | 2-7/8" | 6164' | | | |

V. Well Test Data

| | | | | | |
|--|---|---------------------------------------|---------------------------------|-----------------------------|--------------------------------|
| ³¹ Date New Oil 02/04/2014 | ³² Gas Delivery Date 02/04/2014 | ³³ Test Date 05/09/2014 | ³⁴ Test Length 24 | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure |
| ³⁷ Choke Size | ³⁸ Oil 299 | ³⁹ Water 991 | ⁴⁰ Gas 194 | | 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:
Fatima Vasquez

Title:
Regulatory Analyst II

E-mail Address:
Fatima.Vasquez@apachecorp.com

Date:
05/10/2014

Phone:
(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

5-15-14

Pending BLM approvals will
subsequently be reviewed
and scanned

3160-4
3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014**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.
NMLC-029426B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Apache Corporation (873)3a. Address
303 Veterans Airpark Ln., Ste 3000
Midland, TX 797053b. Phone No. (include area code)
(432) 818-1015

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

1620' FNL & 10' FWL UL:E Sec:09 T:17S R:31E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Crow Federal #24H (308711)9. API Well No.
30-015-4116810. Field and Pool or Exploratory Area
Fren; Glorieta-Yeso (26770)11. County or Parish, State
Eddy, NM

12. CHECK THE 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 checked="" 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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 this horizontal well as follows:

10/31/2013 MIRUSU. Log TOC @ 50'.

12/10/2013 Stage 1 - Perf Lwr Blinbry @ 10,758'-10,760', 10,658'-10,660', 10,558'-10,560' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 179,300# sand (100 Mesh & 40/70).
Set CBP @ 10,458'. Stage 2 - Perf Lwr Blinbry @ 10,458'-10,460', 10,358'-10,360', 10,258'-10,260' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 184,960# sand (100 Mesh & 40/70).
Set CBP @ 10,208'. Stage 3 - Perf Lwr Blinbry @ 10,158'-10,160', 10,058'-10,060', 9958'-9960' w/ 5 SPF, 45 holes. Frac w/ 106.1 bbl 15% HCl & 179,800# sand (100 Mesh & 40/70).

12/11/2013 Set CBP @ 9915'. Stage 4 - Perf Lwr Blinbry @ 9858'-9860', 9758'-9760', 9658'-9660' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 178,000# sand (100 Mesh & 40/70).
Set CBP @ 9612'. Stage 5 - Perf Lwr Blinbry @ 9558'-9560', 9458'-9460', 9358'-9360' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 179,960# sand (100 Mesh & 40/70).
Set CBP @ 9308'. Stage 6 - Perf Lwr Blinbry @ 9258'-9260', 9158'-9160', 9058'-9060' w/ 5 SPF, 45 holes. Frac w/ 182 bbl 15% HCl & 185,340# sand (100 Mesh & 40/70).
Set CBP @ 9008'. Stage 7 - Perf Lwr Blinbry @ 8958'-8960', 8858'-8860', 8758'-8760' w/ 5 SPF, 45 holes. Frac w/ 177 bbl 15% HCl & 180,260# sand (100 Mesh & 40/70).

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Fatima Vasquez

Title Regulatory Analyst II

Signature

Date 05/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

(Instructions on page 2)

Crow Federal #24H
API #30-015-41168
Apache Corp. (873)

Completion continued.

Set CBP @ 8708'. Stage 8 - Perf Lwr Blinbry @ 8658'-8660', 8558'-8560', 8458'-8460' w/ 5 SPF, 45 holes. Frac w/ 182 bbl 15% HCl & 180,060# sand (100 Mesh & 40/70).
Set CBP @ 8408'. Stage 9 - Perf Lwr Blinbry @ 8358'-8360', 8258'-8260', 8158'-8160' w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 176,760# sand (100 Mesh & 40/70).
12/12/2013 Set CBP @ 8108'. Stage 10 - Perf Lwr Blinbry @ 8058'-8060', 7958'-7960' w/ 5 SPF, 30 holes. Mis-fire on last gun. Make repairs & re-run upper interval perf guns. Perf @ 7858'-7860' w/ 5 SPF, 15 holes. Frac w/ 180.2 bbl 15% HCl & 179,690# sand (100 Mesh & 40/70).
Set CBP @ 7808'. Stage 11 - Perf Lwr Blinbry @ 7758'-7760', 7658'-7660', 7558'-7560' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 183,140# sand (100 Mesh & 40/70).
Set CBP @ 7508'. Stage 12 - Perf Lwr Blinbry @ 7458'-7460', 7358'-7360', 7258'-7260' w/ 5 SPF, 45 holes. Frac w/ 182 bbl 15% HCl & 182,690# sand (100 Mesh & 40/70).
Set CBP @ 7208'. Stage 13 - Perf Lwr Blinbry @ 7158'-7160', 7058'-7060', 6958'-6960' w/ 5 SPF, 45 holes. Frac w/ 177 bbl 15% HCl & 185,240# sand (100 Mesh & 40/70).
Set CBP @ 6904'. Stage 14 - Perf Lwr Blinbry @ 6858'-6860', 6758'-6760', 6658'-6660' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 186,520# sand (100 Mesh & 40/70).
12/13/2013 Set CBP @ 6608'. Stage 15 - Perf Lwr Blinbry @ 6558'-6560', 6458'-6460', 6358'-6360' w/ 5 SPF, 45 holes. Frac w/ 240 bbl 15% HCl & 164,810# sand (100 Mesh & 40/70).
12/23/2013 DO plugs #1@ 6608', #2@ 6904', #3@ 7208', #4@ 7508', #5@ 7808', #6@ 8108', #7@ 8408', #8@ 8708', #9@ 9008', #10@ 9308', #11@ 9612', #12@ 9915', & #13@ 10,208',
12/24/2013 DO plug #14@ 10,458'. Circ hole clean to PBTD @ 10,858'.
01/13/2014 RIH w/ 2-7/8" J-55 6.5# prod tbgs. Submersible @ 5748'. Desander @ 5835'. ETD @ 6164'.
02/04/2014 POP.