

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

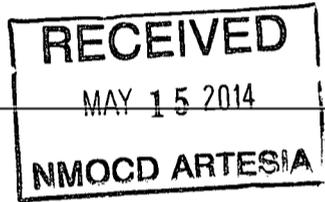
UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	09	17S	31E		1620	North	10	West	Eddy

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	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
10/10/2013	02/04/2014	10,858' / 6190	10,858'	6358'-10,760'	
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	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
02/04/2014	02/04/2014	05/09/2014	24		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	299	991	194	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 MANAGEMENT

FORM 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.

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

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.
Crow Federal #24H (308711)

2. Name of Operator
Apache Corporation (873)

9. API Well No.
30-015-41168

3a. Address
303 Veterans Airpark Ln., Ste 3000
Midland, TX 79705

3b. Phone No. (include area code)
(432) 818-1015

10. Field and Pool or Exploratory Area
Fren; Glorieta-Yeso (26770)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1620' FNL & 10' FWL UL:E Sec:09 T:17S R:31E

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 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 must 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 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.)

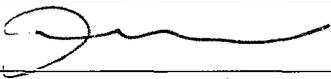
Apache completed this horizontal well as follows:

- 10/31/2013 MIRUSU. Log TOC @ 50'.
- 12/10/2013 Stage 1 - Perf Lwr Blinebry @ 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 Blinebry @ 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 Blinebry @ 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 Blinebry @ 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 Blinebry @ 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 Blinebry @ 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 Blinebry @ 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 PBD @ 10,858'.
01/13/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. Submersible @ 5748'. Desander @ 5835'. ETD @ 6164'.
02/04/2014 POP.