

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 30-015-40991	⁵ Pool Name Fren; Glorieta-Yeso	⁶ Pool Code 26770
⁷ Property Code 308711	⁸ Property Name Crow Federal	⁹ Well Number 017H

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
L	09	17S	31E		1775	South	110	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	09	17S	31E		1781	South	332	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

RECEIVED
MAY 12 2014
NMOCD ARTESIA

IV. Well Completion Data

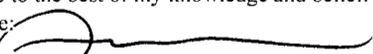
²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
08/24/2013	02/04/2014	10,303'	10,303'	6073'-10,211'	

²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement
17-1/2"	13-3/8"	487'	520 sx Class C
11"	8-5/8"	3501'	1280 sx Class C
7-7/8"	5-1/2"	10,303'	1590 sx Class H
Tubing	2-7/8"	5706'	

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	03/11/2014	24		

³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method
	214	1097	173	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: 04/29/2014
Phone: (432) 818-1015

OIL CONSERVATION DIVISION
Approved by: 
Title:
Approval Date: 5/20/14
Pending BLM approvals will subsequently be reviewed and scanned

3160-4
3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 12 2014
NMOCD ARTESIA

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.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Apache Corporation (873)

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

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

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

8. Well Name and No.
Crow Federal #17H (308711)

9. API Well No.
30-015-40991

10. 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 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:

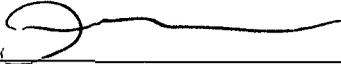
- 10/18/2013 Log TOC @ Surface. Set CBP @ 10,290'. Stage 1 - Perf Upper Blinbery @ 10,209'-10,211', 10,115'-10,117', 10,021'-10,023' w/ 5 SPF, 45 holes.
- 12/17/2013 Frac w/ 177 bbl 15% HCl & 179,340# sand (100 Mesh & 40/70). Set CBP @ 9980'. Stage 2 - Perf Upper Blinbery @ 9927'-9929', 9833'-9835', 9739'-9741' w/ 5 SPF, 45 holes. Frac w/ 175 bbl 15% HCl & 181,320# sand (100 Mesh & 40/70).
- 12/18/2013 Set CBP @ 9692'. Stage 3 - Perf Upper Blinbery @ 9645'-9647', 9551'-9553', 9457'-9459' w/ 5 SPF, 45 holes. Frac w/ 176 bbl 15% HCl & 186,000# sand (100 Mesh & 40/70). Set CBP @ 9410'. Stage 4 - Perf Upper Blinbery @ 9363'-9365', 9269'-9271', 9175'-9177' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 167,270# sand (100 Mesh & 40/70). Set CBP @ 9123'. Stage 5 - Perf Upper Blinbery @ 9081'-9083', 8987'-8989', 8893'-8895' w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 184,440# sand (100 Mesh & 40/70). Set CBP @ 8846'. Stage 6 - Perf Upper Blinbery @ 8799'-8801', 8705'-8707', 8611'-8613' w/ 5 SPF, 45 holes. Frac w/ 180 bbl 15% HCl & 187,130# sand (100 Mesh & 40/70). Set CBP @ 8564'. Stage 7 - Perf Upper Blinbery @ 8517'-8519', 8423'-8425', 8329'-8331' w/ 5 SPF, 45 holes. Frac w/ 181 bbl 15% HCl & 183,040# sand (100 Mesh & 40/70).

(Continued to pg. #2)

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

Title Regulatory Analyst II

Date 04/29/2014

Signature 

Accepted for record NMOCD 5/22/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____

Office _____

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.

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 fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Crow Federal #17H
API #30-015-40991
Apache Corp. (873)

Completion continued.

Set CBP @ 8282'. Stage 8 - Perf Upper Blinebry @ 8235'-8237', 8141'-8143', 8047'-8049' w/
5 SPF, 45 holes. Frac w/ 176.7 bbl 15% HCl & 184,180# sand (100 Mesh & 40/70).

Set CBP @ 8010'. Stage 9 - Perf Upper Blinebry @ 7953'-7955', 7859'-7861', 7765'-7767' w/
5 SPF, 45 holes. Frac w/ 176 bbl 15% HCl & 189,000# sand (100 Mesh & 40/70).

Set CBP @ 7724'. Stage 10 - Perf Upper Blinebry @ 7671'-7673', 7577'-7579', 7483'-7485'
w/ 5 SPF, 45 holes.

12/19/2013 Frac w/ 177 bbl 15% HCl & 178,520# sand (100 Mesh & 40/70).

Set CBP @ 7436'. Stage 11 - Perf Upper Blinebry @ 7389'-7391', 7295'-7297', 7201'-7203'
w/ 5 SPF, 45 holes. Frac w/ 175 bbl 15% HCl & 188,120# sand (100 Mesh & 40/70).

Set CBP @ 7158'. Stage 12 - Perf Upper Blinebry @ 7107'-7109', 7013'-7015', 6919'-6921'
w/ 5 SPF, 45 holes. Frac w/ 181 bbl 15% HCl & 188,660# sand (100 Mesh & 40/70).

Set CBP @ 6878'. Stage 13 - Perf Upper Blinebry @ 6825'-6827', 6731'-6733', 6637'-6639'
w/ 5 SPF, 45 holes. Frac w/ 178 bbl 15% HCl & 180,670# sand (100 Mesh & 40/70).

Set CBP @ 6590'. Stage 14 - Perf Upper Blinebry @ 6543'-6545', 6449'-6451', 6355'-6357'
w/ 5 SPF, 45 holes. Frac w/ 179 bbl 15% HCl & 182,240# sand (100 Mesh & 40/70).

Set CBP @ 6308'. Stage 15 - Perf Upper Blinebry @ 6261'-6263', 6167'-6169', 6073'-6075'
w/ 5 SPF, 45 holes. Frac w/ 176.7 bbl 15% HCl & 147,670# sand (100 Mesh & 40/70).

01/10/2014 DO plugs #1@ 6308', #2@ 6590', #3@ 6878', #4@ 7158', #5@ 7436', #6@ 7724',
#7@ 8010', #8@ 8282', #9@ 8564', #10@ 8846', #11@ 9123', #12@ 9410', & #13@ 9692',
#14@ 9980', #15@ 10,290'. Circ hole clean to PBTD @ 10,303'.

01/20/2014 RIH w/ 2-7/8" J-55 6.5# prod tbg. Submersible @ 5288'. Desander @ 5377'. ETD @ 5706'.

02/04/2014 POP.