

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 **NM OIL CONSERVATION**
Energy, Minerals & Natural ResourcesARTESIA DISTRICT

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

MAY 07 2015 Submit copy to appropriate District Office

RECEIVED

☐ 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 / 01/23/2015
⁴ API Number 30-015-42141	⁵ Pool Name Fren; Glorieta-Yeso	⁶ Pool Code 26770
⁷ Property Code 308711	⁸ Property Name Crow Federal Com	⁹ Well Number 036H

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
M	03	17S	31E		970	South	537	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
M	04	17S	31E		950	South	332	West	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 1/23/2015	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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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 07/14/2014	²² Ready Date 01/23/2015	²³ TD 11,061'	²⁴ PBTd 11,022'	²⁵ Perforations 6632'-10,930'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8"	655'	710 sx Class C		
12-1/4"	9-5/8"	3498'	1410 sx Class C		
8-3/4"	5-1/2" / 7" (tapered)	11,034'	850 sx Class C		
Tubing	2-7/8"	5559'			

V. Well Test Data

³¹ Date New Oil 01/23/2015	³² Gas Delivery Date 01/23/2015	³³ Test Date 04/12/2015	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil 532	³⁹ Water 2143	⁴⁰ Gas 263		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:

04/28/2015

Phone:

(432) 818-1015

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

5-19-15

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ARTESIA DISTRICT

MAY 07 2015

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.
NMLC029426B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
CROW FEDERAL COM 36H9. API Well No.
30-015-4214110. Field and Pool, or Exploratory
FREN; GLORIETA-YESO

11. County or Parish, and State

EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
APACHE CORPORATIONContact: FATIMA VASQUEZ
E-Mail: fatima.vasquez@apachecorp.com3a. Address
303 VETERANS AIRPARK LN
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-1015

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

Sec 3 T17S R31E SWSW 970FSL 537FWL
32.858988 N Lat, 103.864475 W Lon**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

- ☐
- Notice of Intent
-
- ☒
- Subsequent Report
-
- ☐
- Final Abandonment Notice

- ☐
- Acidize
-
- ☐
- Alter Casing
-
- ☐
- Casing Repair
-
- ☐
- Change Plans
-
- ☐
- Convert to Injection

- ☐
- Deepen
-
- ☐
- Fracture Treat
-
- ☐
- New Construction
-
- ☐
- Plug and Abandon
-
- ☐
- Plug Back

- ☐
- Production (Start/Resume)
-
- ☐
- Reclamation
-
- ☐
- Recomplete
-
- ☐
- Temporarily Abandon
-
- ☐
- Water Disposal

- ☐
- Water Shut-Off
-
- ☐
- Well Integrity
-
- ☒
- Other
-
- Production Start-up

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 shall 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 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 this well as follows:

08/06/2014 Run logs, TOC @ 110' (CBL).
08/21/2014 Tag DV tool & drill up DV tool from 5276'-5279', circ bottom up.
08/22/2014 -08/26/2014 RIH w/ mill, mill debris sub.
10/06/2014 Frac Blinbry using Packer Plus Packer Sleeve System.
Stage 1 - Frac 10,926'-10,930' w/ 120 bbls 15% HCl & 182,517# sand (100 Mesh & 40/70).
Stage 2 - Frac 10,615'-10,619' w/ 120 bbls 15% HCl & 181,208# sand (100 Mesh & 40/70).
Stage 3 - Frac 10,300'-10,304' w/ 121 bbls 15% HCl & 183,682# sand (100 Mesh & 40/70).
Stage 4 - Frac 9975'-9979' w/ 119.3 bbls 15% HCl & 180,684# sand (100 Mesh & 40/70).
Stage 5 - Frac 9699'-9703' w/ 119 bbls 15% HCl & 181,266# sand (100 Mesh & 40/70).
10/07/2014 Stage 6 - Frac 9417'-9421' w/ 121 bbls 15% HCl & 181,136# sand (100 Mesh & 40/70).

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

**Electronic Submission #300112 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature (Electronic Submission)

Date 05/01/2015

THIS SPACE FOR FEDERAL OR STATE OFFPending BLM approvals will
subsequently be reviewed
and scanned

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

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 #300112 that would not fit on the form

32. Additional remarks, continued

Stage 7 - Frac 9141'-9145' w/ 118.9 bbls 15% HCl & 180,416# sand (100 Mesh & 40/70).
Stage 8 - Frac 8865'-8869' w/ 118.8 bbls 15% HCl & 182,683# sand (100 Mesh & 40/70).
Stage 9 - Frac 8585'-8589' w/ 118.8 bbls 15% HCl & 182,609# sand (100 Mesh & 40/70).
Stage 10 - Frac 8305'-8309' w/ 118.8 bbls 15% HCl & 181,750# sand (100 Mesh & 40/70).
Stage 11 - Frac 8025'-8029' w/ 119.5 bbls 15% HCl & 181,492# sand (100 Mesh & 40/70).
10/08/2014 Stage 12 - Frac 7751'-7755' w/ 118.9 bbls 15% HCl & 177,535# sand (100 Mesh & 40/70).
Stage 13 - Frac 7468'-7472' w/ 120.6 bbls 15% HCl & 181,139# sand (100 Mesh & 40/70).
Stage 14 - Frac 7189'-7193' w/ 119 bbls 15% HCl & 178,104# sand (100 Mesh & 40/70).
Stage 15 - Frac 6904'-6908' w/ 119.2 bbls 15% HCl & 178,469# sand (100 Mesh & 40/70).
Stage 16 - Frac 6632'-6636' w/ 121.2 bbls 15% HCl & 175,826# sand (100 Mesh & 40/70).
10/27/2014 MIRUSU & all surface equip to drill frac ports.
10/28/2014 DO frac ports #1-#12.
10/29/2014 DO frac ports #13-16. Circ hole to PBTD @ 11,022'.
01/19/2015 RIH w/ 2-7/8" J-55 EUE 6.5# prod tbg. Submersible @ 5078'. Desander @ 5231'. ETD @ 5559'. RDMOSU. Clean loc.
01/23/2015 POP.

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 07 2015

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

WELL COMPLETION OR RECOMPLETION REPORT

5. Lease Serial No.
NMLC029426B

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No.		
2. Name of Operator APACHE CORPORATION			8. Lease Name and Well No. CROW FEDERAL COM 36H		
3. Address 303 VETERANS AIRPARK LN MIDLAND, TX 79705			9. API Well No. 30-015-42141		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 3 T17S R31E Mer At surface SWSW 970FSL 537FWL 32.858988 N Lat, 103.864475 W Lon At top prod interval reported below Sec 4 T17S R31E Mer At total depth SWSW 950FSL 332FWL			10. Field and Pool, or Exploratory FREN; GLORIETA-YESO		
14. Date Spudded 07/14/2014			15. Date T.D. Reached 07/29/2014		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/23/2015			17. Elevations (DF, KB, RT, GL)* 3929 GL		
18. Total Depth: MD 11061 TVD 5700		19. Plug Back T.D.: MD 11022 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNGR/SBGR/(2)MWD GAMMA-ROP 5"			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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		655		710		0	
12.250	9.625 J-55	36.0		3498		1410		0	
8.750	7.000 L-80	29.0		11034				0	
8.750	5.500 L-80	20.0		11034		850		110	

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	5559							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINEBRY	5056	5621	6632 TO 10930			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6632 TO 10930	1914 BBLS ACID & 2,890,516# SAND

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
01/23/2015	04/12/2015	24	→	532.0	263.0	2143.0	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	
			→				494	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

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

ELECTRONIC SUBMISSION #300189 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
RUSTLER	549	742	SANDSTONE/ANHYDRITE - N/A	RUSTLER	549
YATES	1865	2147	SANDSTONE - N/A	YATES	1865
SEVEN RIVERS	2147	2760	SS/CARBONATE - OIL, GAS & WATER	SEVEN RIVERS	2147
QUEEN	2760	3175	SS/CARBONATE - OIL, GAS & WATER	QUEEN	2760
SAN ANDRES	3175	4974	CARBONATE - OIL, GAS & WATER	SAN ANDRES	3175
GLORIETA	4974	5056	SANDSTONE - OIL, GAS & WATER	GLORIETA	4974
PADDOCK	5056	5621	DOLOMITE - OIL, GAS & WATER	PADDOCK	5056
BLINEBRY	5621		DOLOMITE - OIL, GAS & WATER	BLINEBRY	5621

32. Additional remarks (include plugging procedure):

Attachments - Frac Disclosure, OCD Forms C-102 & C-104. Logs mailed 03/24/2015.

*Ran tapered production csg string - 5-1/2" & 7".

Continued Summary of Porous Zones:

Tansill Salt 742'-1703' Salt - N/A

Bottom Salt 1703'-1865' Salt - N/A

Blinebry - didn't drill far enough to get bottom depth of Blinebry.

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 #300189 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) FATIMA VASQUEZ

Title REGULATORY ANALYST II

Signature _____ (Electronic Submission)

Date 05/01/2015

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 ****

Additional data for transaction #300189 that would not fit on the form

32. Additional remarks, continued

**SS-Sandstone