

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 / 06/22/15
⁴ API Number 30-015-42745	⁵ Pool Name FREN; GLORIETA-YESO	⁶ Pool Code [26770]
⁷ Property Code [308711]	⁸ Property Name CROW FEDERAL	⁹ Well Number #043H

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	3	17S	31E		2298	FSL	10	FWL	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	3	17N	31E		2298	FSL	330	FEL	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 06/22/15	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

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 6 2015
RECEIVED

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC; MC
01/21/15	06/22/15	10,521' / 5796'	10,521'	6111' - 10,485	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	650'	710 sx Class C		
9.625	12.25	3,500'	1410 sx Class C		
8.75	7	5,296'	570 sx Class C		
7.875	5.5	10,481'	375 sx Class C		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
06/22/15	06/22/15	07/04/15	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	328	2064	449	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:
Emily Follis

Title:
Reg Analyst

E-mail Address:
emily.follis@apachecorp.com

Date: 7/30/15 Phone: 432-818-1801

OIL CONSERVATION DIVISION

Approved by: *LR Dade*

Title: *Dist II Supervisor*

Approval Date: 8-12-15

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARTESIA DISTRICT
AUG 6 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.

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		8. Well Name and No. CROW FEDERAL 43H
2. Name of Operator APACHE CORPORATION		9. API Well No. 30-015-42745
3a. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79707		10. Field and Pool, or Exploratory FREN:GLORIETA-YESO
3b. Phone No. (include area code) Ph: 432-818-1801		11. County or Parish, and State EDDY COUNTY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T17S R31E NWSW 2298FSL 10FWL		

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 this well as follows: (RR:02/07/15)
04/02/15 LOG W/CNL-CBL-GR TAG UP @ 5286' LOG FROM 5286' TO SURF EST CT @ SURF SI SD SDFN PREP TO RUSU @ LATER DATE
04/22-26/15 DO DV TOOL, RIH W/MILL & TBG DO DEBRIS SUB, PRIM UP FRAC TANKS, SET POP OFFS
04/26-04/27/15 3500-5402' OH W/PACKER @ 6054' non-producing
(FRAC 15 STAGE) 6111'-10485'(TD 10,521')
PACKERS @6111,6437,6764,7087,7408,7686,7970,8252,8537,8821,9100,9382,9665,9947,10,230
Total Acid 2594 Bbl, Total Sand 2,932,688#

04/27/15 RDMO FRAC & OTHER SERVICES
06/10/15 MIRU RACK & TALLY TBG 5300' NEW 2-7/8" J-55, NU 5K SPOOL HYD BOP & ANNULAR, WHILE CONDUCTING DAILY RIG INSPECTION. REPAIRED DAMAGED SUPPORTED RIG CABLE FOR TBG BOARD. SI SDFN

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

**Electronic Submission #311428 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/04/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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 *AWD*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to state any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction to any department or agency of the United States.

Additional data for EC transaction #311428 that would not fit on the form

32. Additional remarks, continued

06/11/15 PU & RIH W/ESP ON TBG, ND SPOOL, BOP & ANNULAR, LAND HANGER IN WELLHEAD, TUBING & ESP ASSEMBLY @ 5578', RDMO - POP

NOTE: GAPS IN DATES DUE TO PAD DRILLING PROCESSES & SURROUNDING AREA WATER ISSUES, WHICH HAVE DELAYED COMPLETION OPERATIONS.

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 6 2015

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

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 2298FSL 10FWL
At top prod interval reported below NWSW 2298FSL 330FEL
At total depth NESE 2298FSL 330FEL

5. Lease Serial No. NMLC029426B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. CROW FEDERAL 43H

9. API Well No. 30-015-42745

10. Field and Pool, or Exploratory FREN:GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey or Area Sec 3 T17S R31E Mer

12. County or Parish EDDY COUNTY 13. State NM

14. Date Spudded 01/21/2015 15. Date T.D. Reached 02/07/2015 16. Date Completed D & A Ready to Prod. 02/08/2015

17. Elevations (DF, KB, RT, GL)* 3940 GL

18. Total Depth: MD 10521 TVD 5796 19. Plug Back T.D.: MD 10521 TVD 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL-CBL-GR-PHONEX

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	0	650		710			
11.000	9.625 K55	36.0	0	3500		1410			
7.875	7.000 L80	29.0	0	5296		945			

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	5578							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLINBERY	6111		5344 TO 6111			OPEN HOLE - NON FRAC
B)			6111 TO 10485			OPEN HOLE - FRAC PRODUCTI
C)						
D)						

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

Depth Interval	Amount and Type of Material
6111 TO 10485	TOTAL ACID 2594 BBL, TOTAL SAND 2,932,688#

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
06/22/2015	07/04/2015	24	→	328.0	449.0	2064.0	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	
			→				1369	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gr. Gr.	Well
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well	
			→						

Pending BLM approvals will subsequently be reviewed and scanned *[Signature]*

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	565	711	ANHYDRITE, DOLOMITE W	RUSTLER	565
SALADO	711	1766	ANHYDRITE, DOLOMITE W	SALADO	711
TANSIL	1766	1899	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1766
YATES	1899	2180	SANDSTONE O/G/W	SANDSTONE	1899
SEVEN RIVERS	2180	2794	SS, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2180
QUEEN	2794	3208	SS, DOLO, LIMESTONE O/G/W	QUEEN	2794
GRAYBURG	3208	3534	DOLO, LIMESONE, SS O/G/W	GRAYBURG	3208
SAN ANDRES	3534	5026	DOLO, LIMESONE, SS O/G/W	SAN ANDRES	3534

32. Additional remarks (include plugging procedure):

GLORIETA 5026 5095 SANDSTONE O/G/W
 PADDOCK 5095 5473 DOLOMITE O/G/W
 BLINEBRY 5473 TD O/G/W
 TUBB SANDSTONE O/G/W

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 #311448 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 08/04/2015

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.