

NM OIL CONSERVATION

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

ARTESIA DISTRICT

Form C-104
Revised August 1, 2011

AUG 11 2017

Submit one 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 1000 Midland TX 79705		² OGRID Number 873
		³ Reason for Filing Code/ Effective Date NW - 07/28/17
⁴ API Number 30-015-43482	⁵ Pool Name FREN; GLORIETA-YESO	⁶ Pool Code [26770]
⁷ Property Code [313695]	⁸ Property Name HUMMINGBIRD FEDERAL COM	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
D	1	17S	31E		430	NORTH	100	West	EDDY

III. ¹¹Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	1	17S	31E		429	NORTH	340	EAST	EDDY

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 07/28/17	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
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

IV. Well Completion Data

²¹ Spud Date 05/02/17	²² Ready Date 07/28/17	²³ TD 10,429' /5931	²⁴ PBTD 10,429'	²⁵ Perforations 6198-10,429	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5'	13.375 48# H40	820	730 sx Class C		
12.25	9.375 40# J55	3772	1300 sx Class C		
8.50	7 29# L80/5.5 20# L80	10,429	750 sx Class C		
Tubing	2.875 6.50 J55	5596			

V. Well Test Data

³¹ Date New Oil 07/28/17	³² Gas Delivery Date 07/28/17	³³ Test Date 08/04/17	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
150	150	1573	102	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: 08/07/17 Phone: 432-818-1801

OIL CONSERVATION DIVISION

Approved by:
 Title: Geologist
 Approval Date: 8-15-2017

Pending BLM approvals will
subsequently be reviewed
and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC049998B

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. NMM135871	
2. Name of Operator APACHE CORPORATION		8. Lease Name and Well No. HUMMINGBIRD FED COM 17H	
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705		9. API Well No. 30-015-43482	
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 NVNW 430FNL 100FWL At top prod interval reported below NVNW 429FNL 340FEL At total depth NVNW 429FNL 340FEL		10. Field and Pool, or Exploratory FREN:GLORIETA-YESO	
		11. Sec., T., R., M., or Block and Survey or Area Sec 1 T17S R31E Mer	
		12. County or Parish EDDY COUNTY	
		13. State NM	
14. Date Spudded 05/02/2017		15. Date T.D. Reached 05/19/2017	
		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/28/2017	
17. Elevations (DF, KB, RT, GL)* 4038 GL			
18. Total Depth: MD 10429 TVD 5312		19. Plug Back T.D.: MD TVD 5312	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL-CBL-GR-CCL		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	820		730			511
12.250	9.625 J55	40.0	0	3772		1300			257
8.500	7.000 L80	29.0	3772	5312		750			8
8.500	5.500 L80	20.0	5312	10429					

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	5596							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) UPPER BLINBRY	6198	10429	6198 TO 10429			PRODUCING OPEN HOLE
B)						
C)						
D)						

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

NM OIL CONSERVATION

Depth Interval	Amount and Type of Material	ARTESIA DISTRICT
6198 TO 10429	TOTAL SAND 4,275,540 #, TOTAL ACID 2911 BBL	

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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
07/28/2017	08/04/2017	24	→	150.0	102.0	1573.0			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	
			→				680	PQW	

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
			→					
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

8-16-17

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

ELECTRONIC SUBMISSION #384052 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	749	1500	ANHYDRITE, DOLO W	RUSTLER	749
SALADO	1500	1965	ANHYDRITE, DOLO	SALADO	1500
TANSIL	1965	2110	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1965
YATES	2110	2401	SANDSTONE O/G/W	YATES	2110
SEVEN RIVERS	2401	3026	SANDSTONE, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2401
QUEEN	3026	3447	SANDSTONE, DOLO, LIMESTONE O/G/W	QUEEN	3026
GRAYBURG	3447	3737	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	3447
SAN ANDRES	3737	5231	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3737

32. Additional remarks (include plugging procedure):

GLORIETA - SANDSTONE - 5231 - 5288 O/G/W
PADDOCK - DOLOMITE - 5288 - 5737 O/G/W
BLINEBRY - DOLO, SANDSTONE 5737 - TD(10,429')

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 #384052 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLISTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 08/08/2017

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 ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMLC049998B

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

HUMMINGBIRD FEDERAL COM 17H

2. Name of Operator

APACHE CORPORATION

Contact: EMILY FOLLIS

E-Mail: Emily.Follis@apachecorp.com

9. API Well No.

30-015-43482

3a. Address

303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705

3b. Phone No. (include area code)

Ph: 432-818-1801

10. Field and Pool or Exploratory Area

FREN:GLORIETA-YESO

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

Sec 1 T17S R31E NWNW 430FNL 100FWL

11. County or Parish, State

EDDY COUNTY COUNTY, 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 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"/> Hydraulic Fracturing	<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 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 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 has completed the following:

Spud - 05/02/17

RR - 05/20/17

TOC@260'

05/23/17 MIRU RENEGADE WELL LOG & CRANE PU RIH W/CNL-CBL-GR-CCL logging equipment DVD tool@ 5311'

LOG FROM 5311-SURF EST TOC@260' RD MO WL. MIRU DOUBLE R KILL TRUCK TEST CASING TO 5000# TEST GOOD

SISD

05/27/17 REVERSE JSA HELD SAFTY MEETING POOH LD 2-7/8 J55 TBG, DC & MILL ND BOP NU WH SI RDMOSU &

REVERSE UNIT RELEASE ALL PARTIES

06/13/17RU FRAC PRE FILL SAND/ PUMPCO RIGGING UP, SAND KINGS FILLED, RESTRANTS INSTALLED

06/20/17 A sundry was sent and approved by Paul Swartz for a casing patch - see attachments

NM OIL CONSERVATION

ARTESIA DISTRICT

AUG 11 2017

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

**Electronic Submission #384051 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS

Title REGULATORY ANALYST

RECEIVED

Signature

(Electronic Submission)

Date 08/08/2017

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 _____

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

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #384051 that would not fit on the form

32. Additional remarks, continued

Electronic Submission #379197 dated 06/19/17

07/05-07/17 (16 Stage Frac) Elite Well Service 6198-10,429'

Total Acid 1992,
Total Sand 2,904,600#

07/07/17 RDMO Frac & other services

07/15/17 DRILL OUT

07/16/17 RDMO ALL SERVICES USED FOR DRILL OUT, WAIT ON FLOWBACK OPS

07/26/17 SFTY MTG, MIRU, RACK & TALLY TBG, ND FAC VALVE & NU GT6 WELLHEAD, NU BOP, PU & RIH W/160 JNTS 2-7/8" TBG, POH (STANDIND BACK) W/160 JNTS 2-7/8" TBG, SI, SDFN.

07/27/17 SAFTY MTG, 0# ON CSG, RIH W/BP, 10 JNTS 2-7/8", XO, DS, RU SPOOLERS, RIH W/GE ESP, 1 JNT 2-7/8" TBG, 6' SUB, SAND GUARD, 6' SUB, SN, 156 JNTS TBG, RD SPOOLERS, MAKE UPPER SPLICE, LAND TBG, ND BOP, NU WELLHEAD, RDMO.

07/28/17 24 SAFTY MTG, 0# ON CSG, RIH W/BP, 10 JNTS 2-7/8", XO, DS, RU SPOOLERS, RIH W/GE ESP, 1 JNT 2-7/8" TBG, 6' SUB, SAND GUARD, 6' SUB, SN, 156 JNTS TBG, RD SPOOLERS, MAKE UPPER SPLICE, LAND TBG, ND BOP, NU WELLHEAD, RDMO.
FIRST FLOW POP