

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
⁴ API Number 30-015-43481		³ Reason for Filing Code/ Effective Date NW/ 07/28/17
⁵ Pool Name FREN CEDAR LAKE, GLORIETA-YESO	⁶ Pool Code 4668311 26770	
⁷ Property Code 313695	⁸ Property Name 30-015-43481 HUMMINGBIRD FEDERAL COM	⁹ Well Number #016H

II. ¹⁰ Surface Location

UI 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		530	NORTH	100	WEST	EDDY

¹¹ Bottom Hole Location

UI 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	1	527	NORTH	337	EAST	EDDY

¹² Use Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P	07/28/17			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/V
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 DISTRICTRevisedAUG 23 2017 RECEIVED		

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBD	²⁵ Perforations	²⁶ DHC, MC
04/16/17	07/28/17	10,073	10,063	5817'-10,047'	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5'	13.375 48# H40	822	830 sx Class C		
12.25	9.625 40# J55	3755	1450 sx Class C		
8.5	7 29# L80/5 5 20#L80	4942'/10,047'	750 sx Class C		
Tubing	2 875 6 5# J55	5202			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
07/28/17	07/28/17	08/04/17	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	237	1828	327	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: <i>Emily Follis</i>		OIL CONSERVATION DIVISION	
Printed name: Emily Follis		Approved by: <i>Raymond W. Dudley</i>	
Title: Reg Analyst		Title: Geologist	
E-mail Address: emily.follis@apachecorp.com		Approval Date: 8-23-2017	
Date: 08/22/17	Phone: 432-818-1801		

Pending BLM approvals will subsequently be reviewed and scanned

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 23 2017

Form 3160-4
(August 2007)

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 LOGS

RECEIVED

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		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 NWNW Lot 4 530FNL 100FWL At top prod interval reported below NWNW Lot 1 527FNL 337FEL At total depth NWNW Lot 1 527FNL 337FEL		8. Lease Name and Well No. HUMMINGBIRD FED COM 16H	
14. Date Spudded 04/16/2017		15. Date T.D. Reached 04/30/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/30/2017		9. API Well No. 30-015-43481	
18. Total Depth: MD 10073 TVD 4936		19. Plug Back T.D.: MD 4926 TVD 10063	
20. Depth Bridge Plug Set: MD TVD		10. Field and Pool, or Exploratory FREN:GLORIETA-YESO	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL-CBL-GR-CCL		11. Sec., T., R., M., or Block and Survey or Area Sec 1 T17S R31E Mer	
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)		12. County or Parish EDDY COUNTY	
		13. State NM	
		17. Elevations (DF, KB, RT, GL)* 4037 GL	

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
17.250	13.375 H40	48.0	0	822		830			
12.250	9.625 J55	40.0	0	3755		1600			
8.500	7.000 L80	29.0	3755	4942		750			
8.500	5.500 L80	20.0	4942	10047					

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	5202							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5817	10047	5817 TO 10047			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5817 TO 10047	TOTAL SAND 3,994,540#, TOTAL ACID 2,813 BBL

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	→	237.0	327.0	1828.0			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	
	SI		→				1380	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	
	SI		→						

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

ELECTRONIC SUBMISSION #385640 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Pending BLM approvals will subsequently be reviewed and scanned

SC 8-23-17

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	744	1495	ANHYDRITE, DOLO W	RUSTLER	744
SALADO	1495	1960	ANHYDRITE, DOLO	SALADO	1495
TANSIL	1960	2105	ANHYDRITE, SALT, DOLO, SS O/G/W	TANSIL	1960
YATES	2105	2396	SANDSTONE O/G/W	YATES	2105
SEVEN RIVERS	2396	3021	SANDSTONE, DOLO, LIMESTONE O/G/W	SEVEN RIVERS	2396
QUEEN	3021	3442	SANDSTONE, DOLO, LIMESTONE O/G/W	QUEEN	3021
GRAYBURG	3442	3732	DOLO, LIMESTONE, SS O/G/W	GRAYBURG	3442
SAN ANDRES	3732	5226	DOLO, LIMESTONE, SS O/G/W	SAN ANDRES	3732

32. Additional remarks (include plugging procedure):

GLORIETA - SANDSTONE - O/G/W 5226 - 5283
PADDOCK - DOLOMITE - O/G/W 5283 - TD(10,073)

SECOND REVISION***** TO CORRECT 13 3/8 CASING DEPTH TO 822, ALSO CORRECTED ON THE C104 ATTACHED

REVISION
NOTE -Interm TD & csg to 3755?, FC @ 3709?

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 #385640 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 08/22/2017

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 MANAGEMENT

FORM 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

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

8. Well Name and No.
HUMMINGBIRD FEDERAL COM 16H

9. API Well No.
30-015-43481

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

11. County or Parish, State
EDDY COUNTY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 79705
3b. Phone No. (include area code)
Ph: 432-818-1801

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 1 T17S R31E NWNW 530FNL 100FWL

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 Production Start-up
	<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 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 recompleat 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-04/16/17
RR - 04/30/17
TOC@16

05/23/17 Run CN-CBL-GR-CCL Test Casing to 5000# for 15 min. RU SU & Reverse unit RIH W/7" bit & 148 Jts 2-7/8" Tbg leave swinging
05/25/17 Do DV Tool & Debris sub CIRC clean
05/26/17 POOH LD TBG & BHA SI SD RDMO

06/08/07 MIRU FRAC AND ALL PARTIES

NM OIL CONSERVATION
ARTESIA DISTRICT
AUG 21 2017
RECEIVED

Casing Not Tested to OCD Rules + Regs etc

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

**Electronic Submission #385378 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 08/21/2017

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 _____

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

Additional data for EC transaction #385378 that would not fit on the form

32. Additional remarks, continued

06/10-12/17 FRAC - PUMPCO-PACKERS PLUS (16 STAGE FRAC)(5817'-10,047')

TOTAL SAND - #3,994,540
TOTAL ACID -2813 BBL

07/13/17 TOH LD Tbg & BHA SI WELL RD ALL PARTIES. WELL CLOSED IN WITH ZERO PRESURE ON PRODUCTION WELL WAS KILLED WITH #10 BRINE

07/21/17 24 SFTY MTG, MIRU, 0# ON WELL, ND FRAC VALVE, NU GT6 WELL HEAD & BOP/HYDRIL, RACK & TALLY PRODUCTION STRING, PU & RIH W/150 JNTS 2-7/8" TBG, POH (STAND BACK) 150 JNTS 2-7/8" TBG. SI, SDFN

07/25/17 24 SFTY MTG, 0# ON CSG, RIH W/BP, 10 JNTS 2-7/8" TBG, XO, DS, RU SPOOLERS, RIH W/GE ESP, 1 JNT 2-7/8" TBG, 6' SUB, SAND GUARD, 6' SUB, SN, 143 JNTS 2-7/8" TBG, RD SPOOLER, MAKE UPPER SPLICE, LAND TBG, ND BOP, RDMO

07/29/17 24 BUILT WELLHEAD, RAN FLOW LINE TO BATTERY, RAN POWER FROM DRIVE TO WELLHEAD, RAN AUTOMATION FROM WELLHEAD TO RACK.

07/28/17 First Flow-POP

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No. NMLC031844
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA/Agreement, Name and/or No. NMNM135871
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. HUMMINGBIRD FEDERAL COM 16H	
2. Name of Operator APACHE CORPORATION	Contact: SORINA FLORES E-Mail: sorina.flores@apachecorp.com	9. API Well No. 30-015-43481
3a. Address 303 VETERANS AIRPARK LN #1000 MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 432-818-1167	10. Field and Pool or Exploratory Area FREN
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T17S R31E Mer NMP NWNW 530FNL 100FWL 32.869360 N Lat, 103.830899 W Lon		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 Drilling Operations
	<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.

BLM-CO-1463 NMB-000736

<CORRECTING INTERMEDIATE CSG DEPTH/FC DEPTH & PROD CSG DEPTH>

4/16/17: SPUD

4/16/17: Drilling f/80'-822', RU Lewis csg crew, run csg: 13-3/8" 48# H40 STC, set csg @ 822', FC @ 778', cmt w/830sx CL C w/2% CaCL (14.8ppg, 1.34 yld), circ 347sx to surf, WOC

4/18/17: Test csg 500psi/30min - OK

4/18-4/20/17: Drlg f/822'-3755'. TOO H to retest surf csg, set test packer @

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 23 2017

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #385576 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad	
Name (Printed/Typed) SORINA FLORES	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 08/22/2017

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 _____

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)

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

Pending BLM approvals will subsequently be reviewed and scanned

SC 8-23-17

Additional data for transaction #385640 that would not fit on the form

32. Additional remarks, continued

Prod TD @ 10073?, csg to 10047? (csg did not run to btm due to lost motor in hole)