

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 06/17/2014
⁴ API Number 30-001541909	⁵ Pool Name FREN:GLORIETA-YESO	⁶ Pool Code 26770
⁷ Property Code 308711	⁸ Property Name CROW FEDERAL	⁹ Well Number 19H

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
I	10	17S	31E		2280	FSL	370	FEL	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
L	10	17S	31E		2274	FSL	347	FWL	EDDY
¹² Lse Code P	¹³ Producing Method Code P	¹⁴ Gas Connection Date 06/17/2014	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
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
JAN 16 2015
RECEIVED

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBSD	²⁵ Perforations	²⁶ DHC, MC
02/13/2014	06/17/2014	9813		5772-9630	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	675	730 sx Class C		
11	8-5/8	3500	1270 sx Class C		
7-5/8	5-1/2	9813	1530 sx class C		
Tubing	2-7/8	4553			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
07/02/14	06/17/2014	07/29/2014	24 hrs		
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method	
	478	2070	343	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: *Emily Follis*
Printed name: EMILY FOLLIS/SB
Title: Regulatory Analyst I
E-mail Address: EMILY.FOLLIS@apachecorp.com
Date: 12/19/2014
Phone: 432-818-1801

OIL CONSERVATION DIVISION
Approved by: *[Signature]*
Title: *Dr. B. Seperson*
Approval Date: *1-26-15*

Pending BLM approvals will subsequently be reviewed and scanned *JD*

3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 19H
2. Name of Operator APACHE CORPORATION		9. API Well No. 30-015-41909
3a. Address 303 VETERANS AIRPARK LANE, SUITE 1000 MIDLAND, TX 79705		10. Field and Pool, or Exploratory FREN;GLORIETA-YESO
3b. Phone No. (include area code) Ph: 432-818-1801		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T17S R31E NESE 2280FSL 370FEL		11. County or Parish, and State EDDY COUNTY COUNTY, NM

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 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 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.)

SEE ATTACHED FORM 3160-5 ON THE CROW FEDERAL #19H - EDDY COUNTY, NM

NM OIL CONSERVATION
ARTESIA DISTRICT
JAN 16 2015
RECEIVED

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

**Electronic Submission #286520 verified by the BLM Well Information System
For APACHE CORPORATION, sent to the Carlsbad**

Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST I
Signature (Electronic Submission)	Date 12/30/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE

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 known to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction to make to any department or agency of the United States.

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

Apache Corporation would like to report the completion of this well:

CROW FEDERAL 19H –SUNDRY 3160-5

3/27-31/14: RIH and clean out to PBTD. RU Weatherford WL and perf the Paddock 9412-14, 9484-86, 9556-58, 9628-30 5 SPF, 40 holes. SI to frac @ a later date.

4/1-5/10/14: MIRU Pumpco Services frac equipment. Waiting on sand.

5/11/14: Sand delivered.

5/12-5/14/14: Frac Stage 1; perf, acidize and frac Stages 2 – 14 (5772' – 9350'). O.A. perfs 5772' – 9630' MD w/TVD average of 5721'. 69038 bbls fluid; 2574 bbls. acid; total proppant 2,480,208 lbs.

5/29-30/14 – 5-30-14: Drill out plugs 1 – 9.

5/31-6/3/14: Lost circulation, stuck pipe, and began fishing work string.

6/4-6/15/14: Worked string free and pulled out of hole. "Packer Plus" ball-sealed frac plugs left in well @ 8552' above perfs 8572-8790; @ 9112 above perfs 9132-9350; @ 9392 above perfs 9412-9630. All perfs 5772 – 9630' are producing. RIH w/2-3/8", J-55 tubing with EOT @ 4553'. Run in hole with ESP.

06/16/14: Install drive & electric service. Start production to battery

NM OIL CONSERVATION

ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 16 2015

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

WELL COMPLETION OR RECOMPLETION REPORT RECEIVED

5. Lease Serial No.
NMLC029426B

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **APACHE CORPORATION** Contact: **EMILY FOLLIS**
E-Mail: **emily.follis@apachecorp.com**

8. Lease Name and Well No.
CROW FEDERAL 19H

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

9. API Well No.
30-015-41909

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Sec 10 T17S R31E Mer**
NESE 2280FSL 370FEL
 At top prod interval reported below
 At total depth

10. Field and Pool, or Exploratory
FREN;GLORIETA-YESO(26770)

11. Sec., T., R., M., or Block and Survey
or Area **Sec 10 T17S R31E Mer**

12. County or Parish
EDDY COUNTY 13. State
NM

14. Date Spudded **02/13/2014** 15. Date T.D. Reached **02/28/2014** 16. Date Completed
 D & A Ready to Prod.
06/17/2014

17. Elevations (DF, KB, RT, GL)*
3926 GL

18. Total Depth: MD **9813** TVD **5339** 19. Plug Back T.D.: MD **MD** TVD **TVD** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SECTOR BOND GR/CCL:CNGR/CCL: 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	675			730	189	0	
11.000	8.625 J-55	32.0	3500			1270	382	0	
7.875	5.500 L-80	17.0	9813			1530	442	0	

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	4553							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 5772-9630	5108	5191	5108 TO 5191	0.450	560	PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5772 TO 9630	69038 BBL FLUID:2574 BBL ACID: 2,480,208 # PROPPANT

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
06/17/2014	07/29/2014	24	→	478.0	343.0	2075.0			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	
			→	478	343	2070	718	POW	

28a. Production - Interval B

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

Pending BLM approvals will subsequently be reviewed and scanned AD

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
QUEEN	2834	3616	SILSTONE, SANDSTONE, ANHYDRITE DOLOMITE, SANDSTONE DOLOMITE, SANDSTONE DOLOMITE	QUEEN	2834
SAN ANDRES	3616	5108		SAN ANDRES	3616
GLORIETA	5108	5191		GLORIETA	5108
PADDOCK	5191			PADDOCK	5191

32. Additional remarks (include plugging procedure):

LOGS TO OCD 11-17-2014
*RUN 1" & TAGGED CMT @54: CONTACTED blm & GIVEN PERMISSION TO 1" CMT'D W/ 62 SX CC
CIRCULATING CMT TO SURFACE.

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 #286516 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad**

Name (please print) EMILY FOLLIS Title REGULATORY ANALYST I

Signature (Electronic Submission) Date 12/30/2014

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.