

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Artesia

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.
NMNM025604

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
NMNM111776

8. Well Name and No.
HORSETAIL GAS COM FEDERAL 2

9. API Well No.
30-015-33528-00-S1

10. Field and Pool, or Exploratory
EMPIRE-MORROW, SOUTH

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

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
APACHE CORPORATION
Contact: ISABEL HUDSON
E-Mail: Isabel.Hudson@apachecorp.com

3a. Address
303 VETERANS AIRPARK LANE SUITE 3000
MIDLAND, TX 79705

3b. Phone No. (include area code)
Ph: 432-818-1142

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 10 T18S R27E NWSW 1950FSL 750FWL

12. CHECK 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"/> 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 Workover 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 recomplate 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 would like to perform the following workover: please see attachment.

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 12 2016

RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #351977 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 09/30/2016 (16PP2088SE)

Name (Printed/Typed) ISABEL HUDSON Title REG. ANALYST

Signature (Electronic Submission) Date 09/21/2016

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.

September 19, 2016

Horsetail Fed # 2

API # 30-015-33528

Eddy County, NM

Production Casing: 5-1/2" 17 Set @ 9,905'

Producing Interval: 9,549-60'

Objective: repair tbg and return to production

Procedure:

1. Release tbg from packer (9,473') with on/off tool
2. POOH with tbg
3. RIH testing tbg to 80% and replace tbg as needed
4. Swab well in
5. Return well to production

GL=3546'
 KB=3563'
 Spud: 8/4/04

Apache Corporation – Horsetail Federal #2

Wellbore Diagram – Current

Date : 12/21/2011

API: 30-015-33528

Surface Location

R. Taylor



1850' FSL & 900' FWL,
 Sec 10, T18S, R27E, Eddy County, NM

Surface Casing

13-3/8" 48# H-40 @ 430' w/ 425 sxs to surface

TOC @ 2,700'

Intermediate Casing

8-5/8" 32# J-55 @ 3010' w/ 1150 sxs to surface

Hole Size
 =17-1/2"

Hole Size
 =12-1/4"

Hole Size
 =8-3/4"

1-2 7/8" wleg	-	.44
1-2 3/8" x 5 1/2" baker model M reliant pkr.	-	6.37
1-2 3/8" x 1.875"F" x 4 1/2" on/off tool	-	1.65
292-jts. 2 3/8" L-80 8 rnd. tbg.	-	9469.78
kbc to wl	-	0.00
bottom of pipe	-	9478.24
pk. @ 9471.43	1.87 @	9469.78

Model M PRK @ 9,473'

11/04: Perf UPR Morrow @ 9549'-60' (24 shots)
 Acidized w/ 2000 gals 7.5% HCL w/ 50% CO2

Model D PRK @ 9,590'

11/04 1.81" S-LOK blank plug in PKR

10/04: Perf LWR Morrow @ 9626'-28';34'-38'; 51'-55' (26 shots)
 67Q CO2 foam frac w/ 17471 gal fluid, 32k# 18/40 sand in 8 stages
 from 0.5-3.0 ppg stages

Production Casing

5-1/2" 17# L-80 & SP-110 @ 9905' w/ 950 sxs

PBTD = 9,867'
 MD =9,914'
 TVD=9,891'

