

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

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.  
NMNM025604

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.  
NMNM111776

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

HORSETAIL FEDERAL GAS COM 002

2. Name of Operator  
APACHE CORPContact: ISABEL HUDSON  
E-Mail: Isabel.Hudson@apachecorp.com9. API Well No.  
30-015-335283a. Address  
303 VETERANS AIRPARK LANE SUITE 1000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432.818.114210. Field and Pool or Exploratory Area  
SCOGGINDRAW;MORROW 8500

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

Sec 10 T18S R27E 1950FSL 750FWL

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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" 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 would like to perform the following work. Please see attachments.


Producing Interval: 9,549-655?  
5-1/2? csg @ 9,905?

Objective: TA wellbore and evaluate well for future re-completion

Procedure:

1. Release packer and POOH with tbq
2. If packer is stuck release from on/off tool
3. Rig up wireline

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #358455 verified by the BLM Well Information System For APACHE CORP, sent to the Carlsbad</b>	
Name (Printed/Typed) ISABEL HUDSON	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/18/2016
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
Approved By 	Title SPET
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 CPO
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 \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #358455 that would not fit on the form**

**32. Additional remarks, continued**

- ? Set CIBP @ 9,470? w/ 35? cmt
- 4. Fill casing with 2% KCL fluid and pressure test plug to 500 psi
- 5. Schedule a test and record the chart
- 6. Submit for approval

November 17, 2016

BP Horsetail Federal Gas Com #002

API # 30-015-33528

Eddy County, NM

Producing Interval: 9,549-655'

5-1/2" csg @ 9,905'

**Objective:** TA wellbore and evaluate well for future re-completion

**Procedure:**

1. Release packer and POOH with tbg
2. If packer is stuck release from on/off tool
3. Rig up wireline
  - Set CIBP @ 9,470' w/ 35' cmt
4. Fill casing with 2% KCL fluid and pressure test plug to 500 psi
5. Schedule a test and record the chart
6. Submit for approval

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'

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Temporary Abandonment of Wells on Federal Lands**  
**Conditions of Approval**

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
  - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. The bridge plug is to be capped with 35 feet of cement (if bailed) or 25 sacks (if placed with tubing). If a cement plug is used, the top of the cement must be verified by tagging.
  - b. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes with a 10% allowable leakoff.
  - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
  - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
  - e. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 575-361-2822; Lea County 575-393-3612.
3. **Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned.**

Wells that successfully pass the casing integrity test may be approved for Temporary Abandonment (TA) status provided that the operator:

1. Submits a subsequent Sundry Notice (Form 3160-5) requesting TA approval with well bore diagram.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.
4. Give justification to allow well to be place in TA status and plan for future use of well with time frame that well will be place back on line or plans to P&A well will be submitted.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.

**Well Name:**            **Submit Subsequent Report and well bore diagram with all Perforations and CIBP with tops of cement. Well may be approved to be TA for a period of 1 year after successful MIT and subsequent report is submitted.**