

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Form C-103  
 Revised July 18, 2013

**HOBBS OGD**  
**JUL 25 2016**  
**RECEIVED**

WELL API NO. 30-025-34163
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name J H Williams (309138)
8. Well Number 002
9. OGRID Number 873
10. Pool name or Wildcat Tubb (47090) / Drinkard (96768)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3569' GR

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

4. Well Location  
 Unit Letter P : 470 feet from the South line and 990 feet from the East line  
 Section 34 Township 19S Range 37E NMPM County Lea

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: Recompletion <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache would like to perform the following work, please see attachment:

**Denied**  
 PAUL KAUTE@STATE.NM.US  
 505-397-6161 EXT 104  
 REC E-MAIL SENT TO  
 ISABEL HUDSON, Sent 07/29/16

Spud Date:  Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Isabel Hudson TITLE Regulatory Analyst DATE 07/21/2016

Type or print name Isabel Hudson E-mail address: Isabel.Hudson@apachecorp.com PHONE: (432) 818-1142

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 Conditions of Approval (if any): \_\_\_\_\_



July 21, 2016

Williams JH # 2

API # 30-025-34163

Lea County, NM

Production Casing: 4-1/2" 10.5# Set @ 7,000'

Producing Interval: **6,418-904'**

**Objective:** Isolate open perms (Drinkard, Tubb) and re-complete in Eumont

**Procedure:**

1. POOH with rods and tbg
2. Set CIBP @ 6,380' with 35' cmt
3. Fill up casing with 7% KCL water
4. Pressure test casing to 600 psi
5. RIH with a wireline re-entry guide, 1.875 X-nipple, 10' pup jt, 5K tension set packer and test tbg to 80%
6. Set top of packer @ 3,380'
7. Pressure up casing to 500 psi.
8. Swab well down to 2,000'
9. Perforate with 1-11/16" strip gun (4 spf 0° phasing, deep penetrating charges):
  - 3,442-51'
  - 3,472-76'
  - 3,480-94'
  - 3,500-08'
  - 3,512-22'
  - 3,538-42'
  - 3,560-64'
  - 3,583-96'
  - 3,600-05'
  - 3,620-28'
  - 3,640-45'
  - 3,652-62'
10. Rig up acid truck
11. Load tbg with acid and break down formation with acid. Use 7% KCl water to displace acid
12. Do not over displace water into the formation. Leave 2-3 bbls of acid in the tbg
13. Swab test well and determine if a rod pump is required
14. Return the well to production

# Apache Corporation – J.H. Williams #2

GL=3569'  
KB=3579'  
Spud:10/26/97

## Wellbore Diagram – Current

Date: 3/30/2016

API: 30-025-34163

### Surface Location

K. Grisham



470' FSL & 990' FEL,  
Lot P Sec 34, T19S, R37E, Lea County, NM

**Surface Casing**  
9-5/8" 36# @ 1241' w/ 600 sxs to surface

TOC @ 3565'

**Intermediate Casing**  
7" 23# J-55 @ 4030' w/ 400 sxs. TOC @ 2862'

Hole Size  
=12-1/4"

Hole Size  
=8-3/4"

Hole Size  
=6-1/8"

7/12: Treat for paraffin. Acid frac Drinkard w/ 64,386 gals acid. Acidize Tubb w/ 2500 gals 15% HCl, drop 120 ball sealers, no ball action.

5/98: Perf Tubb @ 6418-6614 w/ 2 jspf (90 holes)  
Acidized w/ 10,000 gal 15 % NEFE w/ 136 mcf N2  
8/12: Acidized w/ 2500 gallons 15% NEFE

11/97: Perf Drinkard @ 6812-6904 w/ 2 jspf (118 holes)  
Acidized w/ 5000 gal 15% HCL  
8/12: Acid frac with 860 bbs 12# XL assist and 64,386 gal 15% Divert S acid system.

PBTD = 6,950'  
MD = 7,000'

**Production Casing**  
4-1/2" 10.5# J-55 @ 7000' w/ 265 sxs