

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

Form C-103

Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: Recompletion ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

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
575-393-6161 EXT 104
see E-MAIL SENT TO
ISABEL HUDSON, sent 07/29/16

Spud Date: 10/26/1997

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

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

Apache Corporation – J.H. Williams #2

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