

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

WELL API NO. 30-025-39899
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. N/A
7. Lease Name or Unit Agreement Name V Laughlin (302374)
8. Well Number 008
9. OGRID Number 873
10. Pool name or Wildcat D (57000), T (47090), A (96764)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3550' 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 3000 Midland, TX 79705

4. Well Location
Unit Letter C : 950 feet from the North line and 2310 feet from the West line
Section 09 Township 20S 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: DO CIBP, add Abo ☒

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 DO CIBP and commingle production from Abo, Drinkard & Tubb per the attached procedure.

OIL CONSERVATION DIVISION

CONDITION OF APPROVAL: Approval for drilling/workover
ONLY -- CANNOT produce Downhole Commingled until
DHC is approved in the OCD Santa Fe office.

Spud Date: 11/27/2010

Rig Release Date: 12/13/2010

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

SIGNATURE

TITLE Regulatory Tech II

DATE 01/23/2014

Type or print name Fatima Vasquez

E-mail address: Fatima.Vasquez@apachecorp.com

PHONE: (432) 818-1015

For State Use Only

APPROVED BY:

TITLE

Petroleum Engineer

DATE

JAN 29 2014

Conditions of Approval (if any):

JAN 29 2014

V. Laughlin #8

API # 30-025-39899

Sec 9, T20S, R37E

Elevation: 3563' KB, 3574' GL

TD: 7,714'

PBTD: 7,626'

Casing Record: 13-3/8" 48# H-40 @ 1197' w/ 850 sxs

8-5/8" 32# J-55 @ 4805' w/ 1705 sxs

5-1/2" 14# J-55 @ 7,714' w/ 925 sxs Burst: 5320 psi; 80%= 4256 psi

Perfs: Abo 1: 7522-26; 7540-44 (Twice); 7547-50; 7565-77 (Twice); 7592-94 (Twice); 7596-7606 (118 holes)

Abo 2: 7368-74; 7380-84; 7394-97; 7407-13 (92 holes). Inactive

Abo 3: 7240-45; 7250-68; 7282-86; 7298-7305 (152 holes). Inactive

RBP @ 7,218

Abo 4: 7091-94; 7097-7110; 7113-20; 7125-29; 7145-47; 7150-54; 7167-70; 7190-97 (112 holes)

Abo 5: 6928-32; 6940-52; 6958-63; 6968-70 (54 holes)

CIBP @ 6,850

Drinkard: 6700-20; 6814-19; 6826-30; 6839-44 (120 holes)

Tubb: 6414-18; 6427-42; 6493-97; 6510-22 (102 holes)

Objective: K/O CIBP and commingle production from Abo, Drinkard, and Tubb.

1. MIRU unit. Kill well as necessary. Unseat pump. POOH W/ rods and pump.
2. ND WH. NU BOP. Release TAC @ 6,373'. POOH w/ tubing and TAC.
3. RU reverse unit. TIH w/ 4-3/4" bit, bit sub, and drill out the CIBP @ 6,850'. Continue to RBP at ± 7,218'. Check for sand fill and circulate hole clean. POOH.
4. RIH w/ production equipment as per the Monument office specifications.
5. RDMOPU. Return well to production and place into test for 10 days. Have chemical representative test fluids and put well on the appropriate chemical maintenance program.

GL=3563'
KB=3574'
Spud:11/27/10

Apache Corporation – V. Laughlin #8

Wellbore Diagram – Current

Date : 11/22/2013

API: 30-025-39899

Surface Location

K. Grisham



950' FNL & 2310' FWL,
Lot U Sec 9, T20S, R37E, Lea County, NM

Surface Casing

13-3/8" 48# H-40 @ 1197' w/ 850 sxs to surface

Intermediate Casing

8-5/8" 32# J-55 @ 4805' w/ 1705 sxs; topped w/ 15
bbls class C

TAC @ 6373'
SN @ 6751'
EOT @ 6834'

Hole Size
=17-1/2"

Hole Size
=11"

Hole Size
=7-7/8"

5/13: Perf Tubb 6402-6408' w/2 jspf. 6414-6418' w/3 jspf. 6427-6442' w/ 2 jspf. 6493-97; 6510-6522' w/3 jspf (102 holes). Start on wtr, press to 2790' formation broke. Acidize w/ 3600 gals 15% HCl. Frac Tubb w/ 17682 gals slickwtr & 12558 gals 100 mesh. 14,448 gals 15# assist, 25,578 gals 20/40 White & 17,598 gals Garnet.

5/13: **Set CIBP @ 6850'**. Perf Drinkard 6700-20; 6814-19; 26-30 & 39-44 w/ 3 jspf (120 holes). Acidize w/ 3000 gals 15% HCl acid. Frac w/ 13, 734 gals slickwtr and 7,434 gals 100 Mesh. pump 1344 gals 14# XL assist pad 25 bbls/min. Tbg and csg

5/12: Acidized 6928-7606 w/ 6,000 gal gelled 15% NEFE

1/11: Perf Abo Stage 5 @ 6928-32; 6940-52; 6958-63; 6968-70 w/ 2 jspf (54 holes) Acidized w/ 3000 gal 15% NEFE acid

1/11: Perf Abo Stage 4 @ 7091-94; 7097-7110; 7113-20; 7125-29; 7145-47; 7150-54; 7158-62; 7167-70; 7190-97 w/ 2 jspf (112 holes)
Acidized w/ 6500 gal 15% NEFE acid

8/12: RBP set @ 7218. Isolating 7240-7606

1/11: Perf Abo Stage 3 @ 7240-45; 7250-68; 7282-86; 7298-7305 w/ 4 jspf (152 holes) **Could not break down, communicated w/ stage 2**
5/12: Gas gun shot across 7250-68.

1/11: Perf Abo Stage 2 @ 7368-74; 7380-84; 7394-97; 7407-13 w/ 4 jspf (92 holes) **Could not break down, communicated w/ stage 3**
5/12: Fire Gas gun across 7380-84; 7407-13.

1/11: Perf Abo @ Stage 1 7522-26; 7540-44; 7547-50; 7565-77; 7592-94; 7596-7606 W/ 2 jspf (82 holes) **Could not break down**
5/12: Perf 7540-44; 7565-77; 7592-94 w/ 2 jspf (36 holes). Fire Gas Gun across 7540-44; 7565-77; 7592-94. Acidized w/ 2700 gal 15%.
Communicated uphole

PBTD = 6,850'
MD = 7,714'

Production Casing

5-1/2" 17# L-55 @ 7714' w/ 925 sxs to surface

GL=3563'
KB=3574'
Spud:11/27/10

Apache Corporation – V. Laughlin #8

Wellbore Diagram – Proposed

Date : 1/23/2014

API: 30-025-39899

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R. Taylor



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bbls class C

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Hole Size
=17-1/2"

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5/13: Perf Tubb 6402-6408' w/2 jspf. 6414-6418' w/3 jspf. 6427-6442' w/ 2 jspf. 6493-97; 6510-6522' w/3 jspf (102 holes). Start on wtr, press to 2790' formation broke. Acidize w/ 3600 gals 15% HCl. Frac Tubb w/ 17682 gals slickwtr & 12558 gals 100 mesh. 14,448 gals 15# assist, 25,578 gals 20/40 White & 17,598 gals Garnet.

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Communicated uphole

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