

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 87400
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

HOBBS OCD

DEC 18 2013

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

WELL API NO. 30-025-06147
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name New Mexico F State (302343)
8. Well Number 003
9. OGRID Number 873
10. Pool name or Wildcat Eunice Monument; G-SA (23000)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3545' GR

SUNDRY RECEIVED 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 L : 1980 feet from the South line and 660 feet from the West line
Section 17 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: Perf & Acidize Grayburg ☒

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 Sonic Hammer the OH Grayburg, perforate and acidize the upper Grayburg then RTP per the attached procedure.

Spud Date: 03/30/1937

Rig Release Date: 04/19/1937

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 12/16/2013

Type or print name Fatima Vasquez

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

PHONE: (432) 818-1015

For State Use Only

APPROVED BY:

TITLE

Compliance Officer

DATE

12/19/2013

Conditions of Approval (if any)

DEC 19 2013

NM State F #3
API # 30-025-06147
Sec 17, T20S, R37E
Elevation: 3549' KB, 3534' GL
TD: 3,860'
PBTD: 3,860'

Casing Record: 10-3/4" 40.5# @ 178' w/ 100 sxs
7-5/8" 26.4# @ 2425' w/ 800 sxs
5-1/2" 17# @ 3,730' w/ 100 sxs

Perfs: Grayburg OH from 3730'-3860'

Objective: Sonic Hammer the OH Grayburg, perforate and acidize the upper Grayburg. RTP

AFE: 11-13-0827

1. MIRU unit. Kill well as necessary. Unseat pump. POOH w/ rods and pump.
2. ND WH. NU BOP. Release TAC. POOH w/ tubing and TAC.
3. PU and RIH w/ 4-3/4" bit, bit sub, drill collars on 2-7/8" WS to PBTD @ 3,860'. Clean out if necessary. POOH.
4. RIH w/ sonic hammer on 2-7/8" production tubing to PBTD @ 3,860'.
5. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 5000 gals of 15% NEFE HCL w/ additives through the sonic hammer moving across entire open hole interval from 3,730'-3,860'.
6. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
7. Kill well if necessary. TOH w/ sonic hammer and 2-7/8" tubing.
8. MIRU WL unit. RIH w/ perforating gun and perforate the upper Grayburg from 3610-14; 3627-32; 3637-41; 3647-59; 3695-3703 w/ 2 jspf 120° phasing (66 holes). TOH w/ perf guns. **Correlate to Perforating Guns Atlas Corp Simultaneous Radiation log dated 4/24/1955.** RDMO WL.
9. PU and RIH w/ SN and RBP-PKR straddle assembly w/ ball catcher. Set RBP w/ ball catcher @ 3,725'. TOH and set PRK @ 3,720'. Test RBP to 2000 psi. TOH and set the SN and PKR above the new perforations at ± 3,560'. Test backside to 500 psi.
10. MIRU acid services. Acidize the UPR Grayburg (3,610-3,703) down the tubing with 2500 gallons 15% NEFE w/ additives using 130 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 5,000 psi surface treating pressure. Displace to bottom perf with 23 bbls of flush. Release PKR and knock balls off. TOH and set PKR at 3,560'.
11. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
12. Kill well if necessary. Unset PRK and TIH to RBP w/ ball catcher @ 3,725'. Retrieve RBP and TOH w/ PRK and RBP assembly.
13. RIH w/ production tbg and rods as per the Monument office specification
14. RDMOPU. Return well to production and place into test for 10 days.

GL=3534'
KB=3549'
Spud: 3/30/37

Apache Corporation – NM F State #3

Wellbore Diagram – Current Status

Date : 12/2/13

API: 30-025-06147

Surface Location

R. Taylor



1980' FSL & 660' FWL,
Sec 17, T20S, R37E, Lea County, NM

Surface Casing

10-3/4" 40.5# @ 178' w/ 100 sxs to surface

Intermediate Casing

7-5/8" 26.4# @ 2425' w/ 800 sxs

TAC @ ???'
SN @ 3860'

Production Casing

5-1/2" 17# @ 3,730' w/ 100 sxs

4/37: OH from 3730-3860. 3810-60 acidized w/ 2000 gal acid
6/64: OH 3795-3860 acidized w/ 7500 gal 15% NEFE

Hole Size
=13-3/4"

Hole Size
=9-7/8"

Hole Size
=6-3/4"

Hole Size
=4-3/4"

PBTD = 3,860'

TD =3,860'

GL=3534'
KB=3549'
Spud: 3/30/37

Apache Corporation – NM F State #3

Wellbore Diagram – Proposed Status

Date : 12/13/13

API: 30-025-06147

Surface Location

R. Taylor



1980' FSL & 660' FWL,
Sec 17, T20S, R37E, Lea County, NM

Surface Casing

10-3/4" 40.5# @ 178' w/ 100 sxs to surface

Intermediate Casing

7-5/8" 26.4# @ 2425' w/ 800 sxs

TAC @ TBD'
SN @ TBD'

TBD: Perf @ 3610-14; 3627-32; 3637-41; 3647-59; 3695-3703 w/ 2 jsp (66 holes). Acidize w/ 2500 gal 15% NEFE.

Production Casing

5-1/2" 17# @ 3,730' w/ 100 sxs

4/37: OH from 3730-3860. 3810-60 acidized w/ 2000 gal acid
6/64: OH 3795-3860 acidized w/ 7500 gal 15% NEFE
TBD: Acidize OH 3795-3860 w/ 3500 gal 15% NEFE w/ sonic hammer

Hole Size
=13-3/4"

Hole Size
=9-7/8"

Hole Size
=6-3/4"

Hole Size
=4-3/4"

PBTD = 3,860'

TD = 3,860'