

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

HOBBS OCS

MAY 06 2014

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

WELL API NO. 30-025-41045
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 North Monument G/SA Unit (302708)
8. Well Number 392
9. OGRID Number 873
10. Pool name or Wildcat Eunice Monument; G-SA (23000)

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 O : 1190 feet from the South line and 2420 feet from the East line
Section 30 Township 19S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3619' GL

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: ☐

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 lower Grayburg, perforate & acidize the upper Grayburg per the attached procedure.

Spud Date:

05/19/2013

Rig Release Date:

05/22/2013

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

SIGNATURE

TITLE Regulatory Analyst II

DATE 05/02/2014

Type or print name Fatima Vasquez

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

PHONE: (432) 818-1015

For State Use Only

APPROVED BY:

TITLE Dist. Supervisor

DATE 5/7/2014

Conditions of Approval (if any):

MAY 07 2014

NMGSAU #392

API # 30-025-41045

Sec 30, T19S, R37E

Elevation: 3630' KB, 3619' GL

TD: 4,031'

PBTD: 3,991'

Casing Record: 8-5/8" 24# J-55 @ 1,248' w/ 356 sxs
5-1/2" 17# J-55 @ 4,031' w/ 679 sxs

Perfs: Grayburg: 3792-3806; 3825-35; 3842-47; 3877-81; 3889-95 w/ 2 jspf (78 holes)

Objective: Sonic hammer the lower Grayburg, perforate and acidize the upper Grayburg, RTP.

AFE: 11-14-1643

1. MIRU unit. Kill well as necessary. Unseat pump. POOH w/ rods and pump.
2. ND WH. NU BOP. Release TAC. POOH w/ tubing.
3. PU and RIH w/ bit, bit sub, and drill collars on 2-7/8" production tubing to PBTD @ ~4,031'.
4. PU and RIH w/ sonic hammer on 2-7/8" production tubing to bottom perf @ 3,895'.
5. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 2,000 gals of 15% NEFE HCL w/ additives through the sonic hammer moving across perforations from 3,792'-3,895'. Drop ball and shear tool.
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. POOH w/ sonic hammer and 2-7/8" tubing.
8. MIRU WL. RIH w/ perforator and perforate the UPR Grayburg at 3615-24; 3654-64; 3712-17; 3732-46 w/ 2 jspf 120° phasing (76 holes). POOH w/ perf guns. **Correlate to Weatherford Compensated Neutron Gamma Ray/CCL Log dated 5/30/2013.** RDMO WL.
9. PU and RIH w/ RBP-PKR straddle assembly with ball catcher on WS. Set RBP and ball catcher at ± 3,780. TOOH and set PKR at 3,775 and test RBP to 1000 psi. Release PKR and TOOH and set PKR above new perforations at ± 3565'. Test backside to 500 psi.
10. MIRU acid services. Acidize the Grayburg (3,615-3,746) down the tubing with 3000 gallons 15% NEFE w/ additives using 150 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 4,000 psi surface treating pressure. Displace to bottom perf with 30 bbls of flush. Release PKR and knock balls off. TOOH and set PKR at 3,565'.
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. Release PKR and TIH to RBP and ball catcher. Latch and release RBP. POOH w/ RBP-PKR straddle assembly.
13. PU and RIH w/ production tbg and rods w/ new pump as per the Monument office specification
14. RDMOPU. Return well to production and place into test for 10 days.

GL=3619'
KB=3630'
Spud: 5/19/13

Apache Corporation – NMGSAU #392

Wellbore Diagram – Current Status

Date : 8/19/2013

API: 30-025-41045

Surface Location K. Grisham



1190' FSL & 2420' FEL, Unit O
Sec 30, T19S, R37E, Lea County, NM

Surface Casing

8-5/8" 24# J-55 @ 1248' w/ 356 sxs to surface

Directional Hole

TOC @ 65'

TAC @ TBD'
SN @ TBD'

MKR Jt
3571'

6/13: Perf Grayburg stage I @ 3792-3806; 3825-35; 3842-47; 3877-81; 3889-95 w/ 2 jspf (78 holes). Acidized w/ 3000 gal 15% NEFE acid.

Production Casing

5-1/2" 17# J-55 @ 4031' w/ 679 sxs to surface

Hole Size
=7-7/8"

PBTD = 3991'
TD = 4031' MD
TD = 4031' TVD

GL=3619'
KB=3630'
Spud: 5/19/13

Apache Corporation – NMGSAU #392

Wellbore Diagram – Current Status

Date : 4/28/2014

API: 30-025-41045

Surface Location

R. Taylor



1190' FSL & 2420' FEL, Unit O
Sec 30, T19S, R37E, Lea County, NM

Surface Casing

8-5/8" 24# J-55 @ 1248' w/ 356 sxs to surface

Directional Hole

TOC @ 65'

TAC @ TBD'
SN @ TBD'

TBD: Perf Grayburg stage II @ 3615-24; 3654-64; 3712-17; 3732-46
w/ 2 jspf (76 holes). Acidized w/ 3000 gal 15% NEFE acid.

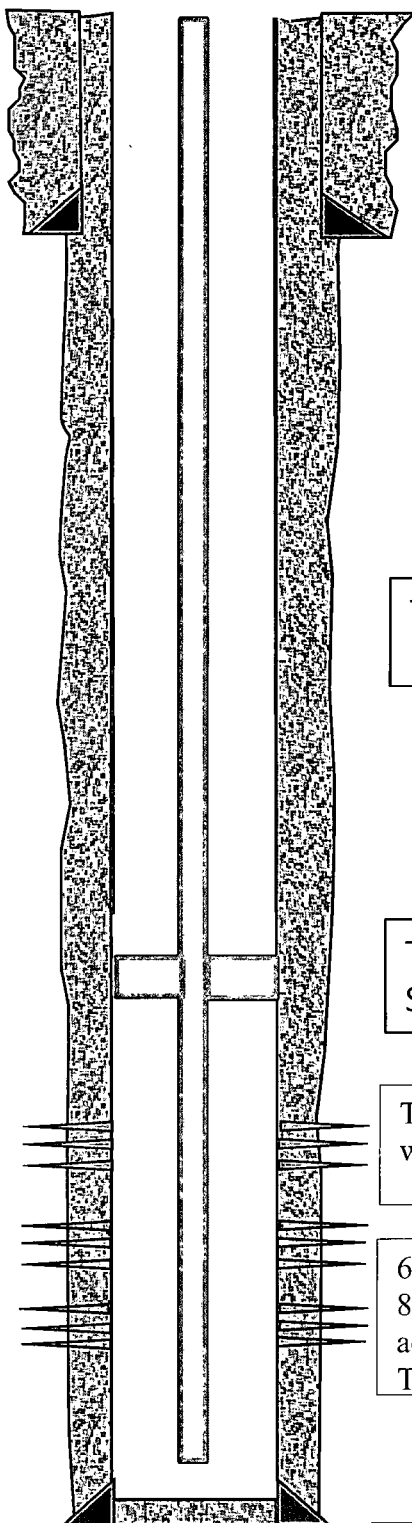
6/13: Perf Grayburg stage I @ 3792-3806; 3825-35; 3842-47; 3877-81; 3889-95 w/ 2 jspf (78 holes). Acidized w/ 3000 gal 15% NEFE acid.

TBD: Acidize w/ 2000 gal 15% NEFE w/ sonic hammer

Hole Size
=11"

MKR Jt
3571'

Hole Size
=7-7/8"



PBTD = 3991'
TD =4031' MD
TD = 4031' TVD

Production Casing

5-1/2" 17# J-55 @ 4031' w/ 679 sxs to surface