

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 OGD

NOV 06 2013

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.
30-025-35181

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

N/A

7. Lease Name or Unit Agreement Name

North Monument G/SA Unit (302708)

8. Well Number 930

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 PROPOSED 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 N : 224 feet from the South line and 2443 feet from the West line
Section 25 Township 19S Range 36E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3616' GR

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: Workover ☒

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 drill out CIBPs, squeeze all perfs, re-perforate and acidize the Grayburg per the attached procedure.

Spud Date: 11/06/2000

Rig Release Date: 11/15/2000

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

SIGNATURE [Signature] TITLE Regulatory Tech II DATE 11/05/2013

Type or print name Fatima Vasquez E-mail address: Fatima.Vasquez@apachecorp.com PHONE: (432) 818-1015

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE NOV 06 2013
Conditions of Approval (if any):

NOV 06 2013

NMGSAU #930

API # 30-025-35181

Sec 25, T19S, R36E

Elevation: 3629' KB, 3616' GL

TD: 4,055' MD 4024' TVD

PBTD: 4,040'

Casing Record: 9-5/8" 36# J-55 @ 402' w/ 250 sxs to surface
7" 20# J-55 @ 4,055' w/ 1200 sxs

Perfs: Grayburg: 3772-81; 3806-15; 3825-34; 3858-73; 3886-90; 3894-98; 3904-06 w/ 2 jspf (59 holes).
Grayburg: 3929-33; 3940-50; 3960-68; 3973-75; 3981-93; 4004-10 w/ 2 jspf. (45holes) INACTIVE

Objective: Drill out CIBPs, Squeeze all perfs, re-perforate and acidize the Grayburg. RTP

AFE: PA-13-0182

1. MIRU unit. Check pressure on well. Kill well as necessary. Unseat pump. POOH w/ rods and pump.
2. ND WH. NU BOP. Release TAC. POOH w/ tubing and TAC. Rack back 2-7/8" J-55 tubing to be used as work string and production string.
3. PU and RIH w/ 6-1/4" bit, bit sub on WS to CIBP @ 3,920'.
4. RU reverse unit. Break circulation and DO/push CIBP's to CIBP @ 3,973'. Circulate hole clean. POOH.
5. PU and RIH w/ 1 joint of wash pipe and wash shoe. Break circulation and mill over CIBP w/ junk on top at 3973'. Push CIBP to bottom. POOH.
6. PU and RIH w/ CICR on WS and set @ \pm 3,730'. Sting into CICR.
7. MIRU cement Service Company. Establish injection rate into perforations. Pump cement as dictated by injection rate. Hesitate squeeze perforations per Monument office recommendations. Displace to CICR with 21 bbls flush.
8. Sting out of CICR and POOH w/ WS. WOC.
9. PU and RIH w/ 6-1/4" bit, bit sub and drill collars on WS. Tag CICR. RU reverse unit and break circulation. Drill out CICR and cement to RBP at 4,020'. Test casing squeeze to 1000 psi. *If squeeze does not test, repeat squeeze process.* POOH.
10. MIRU WL. RIH w/ perforator and perforate the LWR Grayburg at 3940'-50'; 3960'-68' w/ 2 jspf 120° phasing (36 holes). TOH w/ perf guns. **Correlate to Schlumberger Three Density Detectors Compensated Neutron log dated 11/13/2000.** RDMO WL.
11. TIH w/ SN and RBP-PKR straddle assembly w/ ball catcher. Set RBP w/ ball catcher at \pm 4,000. TOH and set PKR above perfs at \pm 3,890'. Test backside to 500 psi.
12. MIRU acid services. Acidize the Grayburg (3940-68) down the tubing with 1,300 gallons 15% NEFE w/ additives dropping 70 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 26 bbls of flush. Release PKR and knock balls off. TOH and set PKR at 3,890'.
13. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.

14. Kill well if necessary. TIH to RBP and ball catcher. Latch and release RBP. TOH w/ PKR-RBP and set RBP and ball catcher at $\pm 3,915$. Test RBP to 1000 psi. TOH w/ PKR and WS.
15. MIRU WL. RIH w/ perforator and perforate the LWR Grayburg at 3772'-81'; 3806'-15'; 3825'-30'; 3842'-48'; 3859'-65'; 3871'-78'; 3895'-3903' w/ 2 jspf 120° phasing (100 holes). TOH w/ perf guns. **Correlate to Schlumberger Three Density Detectors Compensated Neutron log dated 11/13/2000.** RDMO WL.
16. PU and RIH w/ SN and PKR. Set PKR above new perforations at $\pm 3,725'$. Test backside to 500 psi.
17. MIRU acid services. Acidize the Grayburg (3772-3903) down the tubing with 3,500 gallons 15% NEFE w/ additives dropping 200 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 29 bbls of flush. Release PKR and knock balls off. TOH and set PKR at 3,725'.
18. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
19. Kill well if necessary. TIH to RBP and ball catcher. Latch and release RBP. TOH w/ PKR-RBP assembly and WS.
 - a. If LWR Grayburg is productive, place well on production in upper and lower Grayburg.
 - b. If LWR Grayburg is unproductive, TIH and set CIBP @ 3,915'. Place well on production in upper Grayburg.
20. RIH w/ 2-7/8" J-55 production tubing and rods as per the Monument office specification
21. RDMOPU. Return well to production and place into test for 10 days.

GL=3616'
KB=3629'
Spud: 11/6/00

Apache Corporation – NMGSAU #930

Wellbore Diagram – Current Status

Date : 10/24/2013

API: 30-025-35181



Surface Location

R. Taylor

224' FSL & 2443' FWL, Unit N
Sec 25, T19S, R36E, Lea County, NM

Bottom Hole Location

15' FSL & 2652' FWL, Unit O
Sec 25, T19S, R36E, Lea County, NM

Hole Size
=12-1/4"

Surface Casing

9-5/8" 36# J-55 @ 402' w/ 250 sx to surface

Deviated well.
KOP= 1731
Max DLS
2.92° @
2796'

TAC @ 3721'
SN @ 3910'

9/01: Perf Grayburg @ 3772-81; 3806-15; 3825-34; 3858-73; 3886-90; 3894-98;
3904-06; 3929-33; 3940-50; 3960-68; 3981-93; 4004-10 w/ 2 sjpf (193 holes).
Acidize w/ 4200 gal 15% NEFE w/ FTI tool.

3/12: Set CIBP @ 3920' to shut-off water. Plug leaked

9/02: Set CIBP @ 3924' to shut-off water.

5/02: Set CIBP @ 3973'. 2.5" seating shoe w/ a 2.5" SV on CIBP

Hole Size
=8-3/4"

PBTD = 4040'
TD = 4055' MD
4034' TVD

Production Casing

7" 20# J-55 @ 4055' w/ 1200 sxs to surface

GL=3616'
KB=3629'
Spud: 11/6/00

Apache Corporation – NMGSAU #930

Wellbore Diagram – Proposed Status

Date : 10/24/2013

API: 30-025-35181

Surface Location

R. Taylor



224' FSL & 2443' FWL, Unit N
Sec 25, T19S, R36E, Lea County, NM

Bottom Hole Location

15' FSL & 2652' FWL, Unit O
Sec 25, T19S, R36E, Lea County, NM

Hole Size
=12-1/4"

Surface Casing

9-5/8" 36# J-55 @ 402' w/ 250 sx to surface

Deviated
well.
KOP= 1731
Max DLS
2.92° @
2796'

TAC @ TBD'
SN @ TBD'

TBD: Perf Grayburg Stage II @ 3772-81; 3806-15; 3825-30; 3842-48; 3859-65;
3871-78; 3895-3903 w/ 2 jspf (100 holes). Acidize w/ 3500 gal 15% NEFE.

9/01: Perf Grayburg @ 3772-81; 3806-15; 3825-34; 3858-73; 3886-90; 3894-98;
3904-06; 3929-33; 3940-50; 3960-68; 3981-93; 4004-10 w/ 2 sjpf (193 holes).
Acidize w/ 4200 gal 15% NEFE w/ FTI tool.
TBD: SQZ all perfs

TBD: Perf Grayburg Stage I @ 3940-50; 3960-68 w/ 2 jspf (36 holes). Acidize w/
1300 gal 15% NEFE.

TBD: DO CIBP's, SQZ all perfs.

Production Casing

7" 20# J-55 @ 4055' w/ 1200 sxs to surface

Hole Size
=8-3/4"

PBTD = 4040'
TD = 4055' MD

4024' TVD