

JUL 15 2013

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

Form C-103
Revised August 1, 2011

RECEIVED

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 [X] 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 G : 2314 feet from the North line and 2310 feet from the East line
Section 06 Township 20S Range 37E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.): 3574' 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 []
OTHER: Workover [X]
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 squeeze the existing perforations, perforate and acidize the Grayburg in two stages and then RTP. Attached is the procedure as well as the current and proposed WBD.

Spud Date: 09/29/1951 Rig Release Date: 11/13/1951

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 07/16/2013

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

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE JUL 17 2013
Conditions of Approval (if any):

JUL 17 2013

NMGSAU #2007

API # 30-025-05929

Sec 6, T20S, R37E

Elevation: 3574' KB, 3561' GL

TD: 5,710'

PBTD: 3,525'

Casing Record: 11-3/4 47# @ 221' w/ 200 sxs
 7-5/8" 26.4# @ 2257' w/ 1050 sxs
 5-1/2" 15.5# @ 3,725' w/ 400 sxs

Perfs: Grayburg: 3562; 75;3574-84; 79; 84; 89; 93; 3604-06; 3606; 3614-18; 14; 17 w/ 3 jspf (49 holes)
 Blinebry: 5580-85; 5594-96; 5600-02; 5650-56; 5670-74 w/ 2 jspf (XX holes)
 Blinebry: 5655-5706 w/ 4 jspf (204 holes). SQZ'd w/ 75 sxs

Objective: Squeeze the existing perforations, perforate and acidize the Grayburg in two stages. RTP

AFE: PA-13-4074

1. MIRU unit. Check pressure on well.
2. ND WH. NU BOP. Rack 2-3/8" J-55 tubing to be used as work string and production string.
3. PU and RIH w/ 4-3/4" bit, bit sub, 5-1/2" casing scrapper on WS to CIBP @ 3,525'.
4. RU reverse unit. Break circulation and DO CIBP or push to CIBP @ 3,740'. Circulate hole clean. POOH.
5. PU and RIH w/ CICR on WS and set at \pm 3,510'. Sting into CICR.
6. 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 bottom with 20 bbls of flush.
7. Sting out of CICR and POOH w/ WS. WOC.
8. PU and RIH w/ 4-3/4" bit, bit sub and drill collars on WS. Tag CICR. RU reverse unit and break circulations. Drill out CICR and cement to 3,740'. Test casing squeeze to 1,000 psi. *If squeeze does not test, repeat squeeze process.* Circulate hole clean. POOH.
9. MIRU WL. RIH w/ perforator and perforate the LWR Grayburg at 3656-58; 3672-82; 3693-99; 3711-14; 3725-28 w/ 2 jspf 120° phasing (48 holes). TOH w/ perf guns. **Correlate to Baroid McCullough Gamma Ray-Neutron Log dated 4/17/1975.**
10. TIH w/ SN and PKR assembly. Set PKR above perfs at \pm 3620'. Test backside to 500 psi.
11. MIRU acid services. Acidize the LWR Grayburg (3656-3728) down the tubing with 1500 gallons 15% NEFE w/ additives using 100 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 6,000 psi surface treating pressure. Displace to bottom perf with 23 bbls of flush. Surge balls.
12. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
13. Release PKR and TOH w/ PKR and WS.

14. MIRU WL. TIH w/ perforator and CIBP. Set CIBP @ 3,625'. Perforate the UPR Grayburg at 3450-62; 3472-85; 3482-91; 3534-39; 3574-88 w/ 2 jspf 120° phasing (106 holes). TOH w/ perf guns. **Correlate to Baroid McCullough Gamma Ray-Neutron Log dated 4/17/1975.**
15. TIH w/ SN and PKR assembly. Set PKR above perms at ± 3,400'. Test backside to 500 psi.
16. MIRU acid services. Acidize the LWR Grayburg (3450-3588) down the tubing with 2700 gallons 15% NEFE w/ additives using 200 ball sealers to divert evenly spaced throughout the job as a max rate but do not exceed 6,000 psi surface treating pressure. Displace to bottom perf with 24 bbls of flush. Surge balls.
17. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
18. Kill well if necessary. TOH w/ PKR and WS.
 - a. If UPR and LWR Grayburg are productive, continue to step 19
 - b. If LWR Grayburg is unproductive and UPR is productive, continue to step 20.
 - c. If both UPR and LWR Grayburg are unproductive. TIH and set CIBP @ 3,400' and prepare the well for plugging and abandonment. RDMOPU.
19. PU and TIH w/ bit, bit sub and drill collars on WS. Tag CIBP @ 3,625'. Break circulation and drill out CIBP or push to PBD @ 3,740'. Circulate hole clean and TOH.
20. RIH w/ 2-3/8" J-55 production tubing and rods as per the Monument office specification
21. RDMOPU. Set PU. Space out. Return well to production and place into test for 10 days.

GL=3561'
 KB=3574'
 Spud: 9/29/51

Apache Corporation – NMGSAU #2007

Wellbore Diagram – Current Status

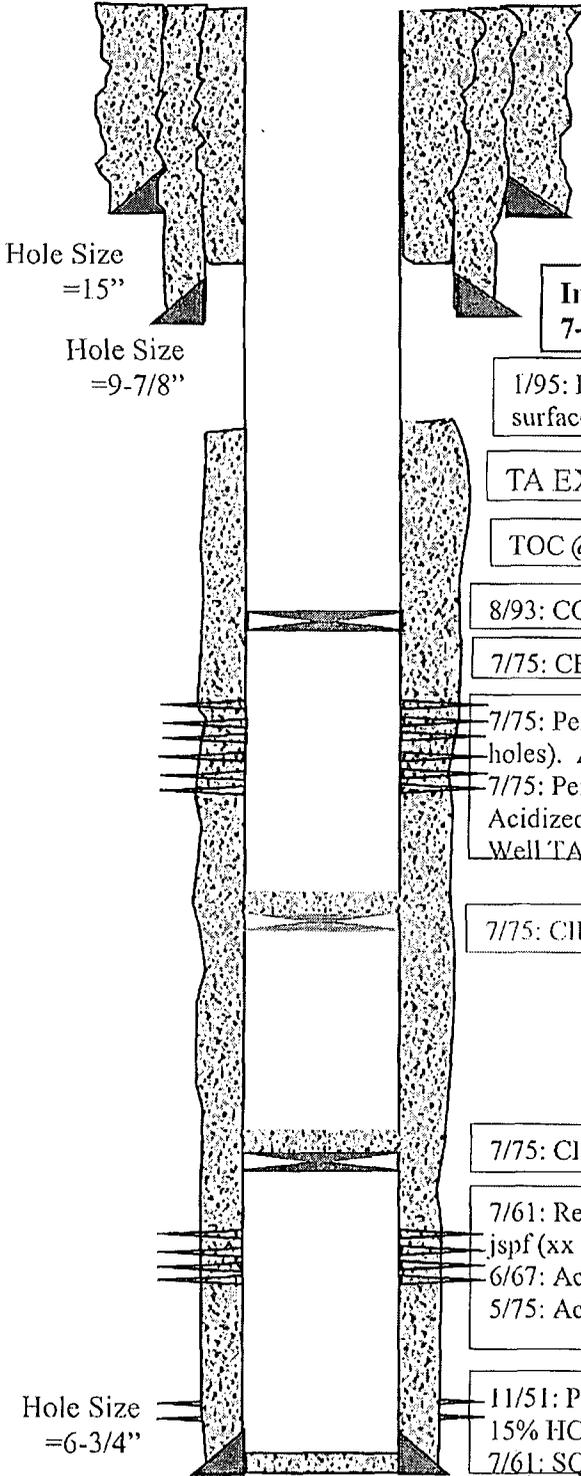
Date : 6/25/2013

API: 30-025-05929

Surface Location R. Taylor



2314' FNL & 2310' FEL
 Sec 6, T20S, R37E, Lea County, NM



Surface Casing
 11-3/4" 47# @ 221' w/ 200 sx to surface

Intermediate Casing
 7-5/8" 26.4# @ 2257' w/ 1050 sx to surface

1/95: Replaced top 40' of 5-1/2" csg. Perf @ 1009' and circulate cmt to surface

TA EXPIRED 8/31/2011

TOC @ 2790'

8/93: CO fill from 3576-94 (146' fill left in hole). Set CIBP @ 3525'

7/75: CBL indicated cmt not bonded from 3520-3625

7/75: Perf Grayburg @ 3562; 75; 79; 84; 89; 93; 3606; 14; 17 w/ 3 jspf (30 holes). Acidized w/ 2500 gal 15% NEFE.
 7/75: Perf Grayburg @ 3574-84; 3604-06; 3614-18 w/ 1 jspf (19 holes). Acidized 3562-3618 w/ 3000 gal 15% NEFE. Swabbed non commercial. Well TA'd

7/75: CIBP @ 3750 w/ 10' cmt.

7/75: CIBP @ 5525 w/ 50' cmt

7/61: Reperf Blinebry @ 5580-85; 5594-96; 5600-5602; 5650-56; 5670-74 w 2 jspf (xx holes). Blanked off 5650-5674. Acidized 5580-5602 w/ 500 gal 15%.
 6/67: Acidized 5580-5674 w/ 5000 gal 15%
 5/75: Acidized 5580-5674 w/ 3000 gal 15%.

11/51: Perf Blinebry @ 5655-5706 w/ 4 jspf (204 holes). Acidized w/ 500 gal 15% HCL.
 7/61: SQZ'd w/ 75 sxs.

PBTD = 3525'
 TD = 5710'

Production Casing
 5-1/2" 15.5# @ 3725' w/ 400 sxs

GL=3561'
 KB=3574'
 Spud: 9/29/51

Apache Corporation – NMGSAU #2007

Wellbore Diagram – Proposed

Date : 6/25/2013

API: 30-025-05929

Surface Location R. Taylor



2314' FNL & 2310' FEL
 Sec 6, T20S, R37E, Lea County, NM

Surface Casing
 11-3/4" 47# @ 221' w/ 200 sx to surface

Intermediate Casing
 7-5/8" 26.4# @ 2257' w/ 1050 sx to surface

1/95: Replaced top 40' of 5-1/2" csg. Perf @ 1009' and circulate cmt to surface

TOC @ 2790'

TAC @ TBD'
 SN @ TBD'

TBD: Perf Grayburg @ 3450-62; 3472-85; 3482-91; 3534-39; 3574-88 w/ 2 jspf (106 holes). Acidized w/ 2700 gal 15% NEFE

7/75: Perf Grayburg @ 3562; 75; 79; 84; 89; 93; 3606; 14; 17 w/ 3 jspf (30 holes). Acidized w/ 2500 gal 15% NEFE.
 7/75: Perf Grayburg @ 3574-84; 3604-06; 3614-18 w/ 1 jspf (19 holes). Acidized 3562-3618 w/ 3000 gal 15% NEFE. Swabbed non commercial. TA'd
 TBD: Squeeze 3562-3618 w/ 150-sxs cmt

TBD: Perf Grayburg @ 3656-58; 3672-82; 3693-99; 3711-14; 3725-28 w/ 2 jspf (48 holes). Acidized w/ 1500 gal 15% NEFE.

7/75: CIBP @ 3750 w/ 10' cmt.

7/75: CIBP @ 5525 w/ 50' cmt

7/61: Reperf Blinebry @ 5580-85; 5594-96; 5600-5602; 5650-56; 5670-74 w 2 jspf (xx holes). Blanked off 5650-5674. Acidized 5580-5602 w/ 500 gal 15%.
 6/67: Acidized 5580-5674 w/ 5000 gal 15%
 5/75: Acidized 5580-5674 w/ 3000 gal 15%.

11/51: Perf Blinebry @ 5655-5706 w/ 4 jspf (204 holes). Acidized w/ 500 gal 15% HCL.
 7/61: SQZ'd w/ 75 sxs.

Production Casing
 5-1/2" 15.5# @ 3725' w/ 400 sxs

PBTD = 3740'
 TD = 5710'

Hole Size =15"

Hole Size =9-7/8"

7/75: CBL indicated cmt not bonded from 3520-3625

Hole Size =6-3/4"

