

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

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

WELL API NO. 30-025-41111
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B0-1382-0006
7. Lease Name or Unit Agreement Name NORTH MONUMENT G/SA UNIT [302708]
8. Well Number #001H
9. OGRID Number 873
10. Pool name or Wildcat [23000] EUNICE MONUMENT; GRAYBURG-
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3689'

HOBBSD  
MAY 04 2015  
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 ☒ Gas Well ☐ Other

2. Name of Operator  
Apache Corporation

3. Address of Operator  
303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705

4. Well Location  
Unit Letter P : 805' feet from the FSL line and 10 feet from the FEL line  
Section 18 Township 19S 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: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ADD PAY ☒

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 completed the following work:

Complete and evaluate four stages in the horizontal - see attached

Spud Date:

07/22/2013

Rig Release Date:

08/26/2013

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

SIGNATURE

*Emily Follis*

TITLE Reg Analyst

DATE

4/27/15

Type or print name Emily Follis

E-mail address: Emily.follis@apachecorp.com

PHONE: (432) 818-1801

For State Use Only

APPROVED BY:

*[Signature]*

TITLE Petroleum Engineer

DATE

05/06/15

Conditions of Approval (if any):

MAY 07 2015

*[Signature]*

NMGSAU #1H

API # 30-025-41111

Sec 18, T19S, R37E

Elevation: 3670' KB, 3689' GL

TD: 10,522' MD 3,994' TVD

PBTD: 10,242'

Casing Record:

9-5/8" 36# @ 1,373' w/ 463 sxs

7" 23# @ 4,219' w/ 865 sxs

4-1/2" 13.5# HCL-80 liner set at 10,290' w/ 535 sxs

Liner Hanger w/ PBR @ 3,559'

Kick-off point @ 3,482' w/ 12°/100ft build to 4,219' MD/3,984' TVD.

Objective: Complete and evaluate four stages in the horizontal.

AFE: 11-15-0831

### Stage I

1. MIRU PU. Check pressure on well.
2. ND WH. NU BOP. Unload and rack ~4,100' of 2-3/8" 5.95# P110 tubing and ~4,100' of 2-7/8" 10.4# S-135 tubing to be used as work string.
3. POOH w/ 108 joints 2-7/8" tubing and lay down.
4. MIRU WL. Ru reverse unit. PU and RIH w/ pump down CIBP and CCL. Pump plug down and set CIBP @  $\pm 7,950$ , correlate CCL to Riley Geological Services Log dated 07/27/2014. POOH. RD MO WL.
5. PU and RIH w/ TCP gun assembly. Guns are to be assembled to shoot the following intervals w/ 2 jspf 120° phasing 7,810-7,830 ; 7,850-7,870 ; 7,890-7,910 (120 holes). Correlate to pipe tally and CIBP from WL. Fire guns and move gun assembly to 7,940', prep to spot acid.
6. MIRU acid services. Circulate water until returns hit reverse pit, break circulation. Pump 105 gallons of 15% HCL and over displace tubing string w/ 1 bbl of water. Close backside. POOH w/ TCP guns, let acid sit for 30 minutes.
7. Acidize the Grayburg (7,810'-7,910) down the tubing with 2,000 gallons 15% NEFE w/ additives, do not exceed 4,000 psi surface treating pressure. RDMO acid service.
8. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
9. TOH w/ WS.
10. Confer with Midland and decide whether to run production or plug back and move to next stage.

### Stage II

11. MIRU WL. Ru reverse unit. PU and RIH w/ pump down CIBP and CCL. Pump plug down and set CIBP @  $\pm 7,150$ , correlate CCL to Riley Geological Services Log dated 07/27/2014. POOH. RD MO WL.

12. PU and RIH w/ TCP gun assembly. Guns are to be assembled to shoot the following intervals w/ 2 jspf 120<sup>0</sup> phasing 6,890-6,910 ; 6,930-6,960 ; 7,100-7,120 (140 holes). Correlate to pipe tally and CIBP from WL. Fire guns and move gun assembly to 7,140', prep to spot acid.
13. MIRU acid services. Circulate water until returns hit reverse pit, break circulation. Pump 230 gallons of 15% HCL and over displace tubing string w/ 1 bbl of water. Close backside. POOH w/ TCP guns, let acid sit for 30 minutes.
14. Acidize the Grayburg (6,890'-7,120) down the tubing with 3,000 gallons 15% NEFE w/ additives, do not exceed 4,000 psi surface treating pressure. RDMO acid service.
15. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
16. TOH w/ WS.
17. Confer with Midland and decide whether to run production or plug back and move to next stage.

### Stage III

18. MIRU WL. Ru reverse unit. PU and RIH w/ pump down CIBP and CCL. Pump plug down and set CIBP @  $\pm$  6,660, correlate CCL to Riley Geological Services Log dated 07/27/2014. POOH. RD MO WL.
19. PU and RIH w/ TCP gun assembly. Guns are to be assembled to shoot the following intervals w/ 2 jspf 120<sup>0</sup> phasing 6,510-6,530 ; 6,580-6,630 (140 holes). Correlate to pipe tally and CIBP from WL. Fire guns and move gun assembly to 6,640', prep to spot acid.
20. MIRU acid services. Circulate water until returns hit reverse pit, break circulation. Pump 105 gallons of 15% HCL and over displace tubing string w/ 1 bbl of water. Close backside. POOH w/ TCP guns, let acid sit for 30 minutes.
21. Acidize the Grayburg (6,510'-6,630) down the tubing with 2,000 gallons 15% NEFE w/ additives, do not exceed 4,000 psi surface treating pressure. RDMO acid service.
22. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
23. TOH w/ WS.
24. Confer with Midland and decide whether to run production or plug back and move to next stage.

### Stage IV

25. MIRU WL. Ru reverse unit. PU and RIH w/ pump down CIBP and CCL. Pump plug down and set CIBP @  $\pm$  5,880, correlate CCL to Riley Geological Services Log dated 07/27/2014. POOH. RD MO WL.
26. PU and RIH w/ TCP gun assembly. Guns are to be assembled to shoot the following intervals w/ 2 jspf 120<sup>0</sup> phasing 5,790-5,810 ; 5,830-5,850 (140 holes). Correlate to pipe tally and CIBP from WL. Fire guns and move gun assembly to 5,860', prep to spot acid.

27. MIRU acid services. Circulate water until returns hit reverse pit, break circulation. Pump 60 gallons of 15% HCL and over displace tubing string w/ 1 bbl of water. Close backside. POOH w/ TCP guns, let acid sit for 30 minutes.
28. Acidize the Grayburg (5,790'-5,850) down the tubing with 3,000 gallons 15% NEFE w/ additives, do not exceed 4,000 psi surface treating pressure. RDMO acid service.
29. RU swab equipment and recover load and swab test for fluid entry and oil cut. Report results to Midland. RD swab equipment.
30. TOH w/ WS.
31. TIH w/ production string per Monument Office specifications.
32. RDMO PU. Place well into test every 3 days for 2 weeks. Have chemical rep test fluids and put well on appropriate chemical maintenance program.

GL=3689'  
KB=3670'  
Spud: 7/22/13

# Apache Corporation – NMGSAU #1H

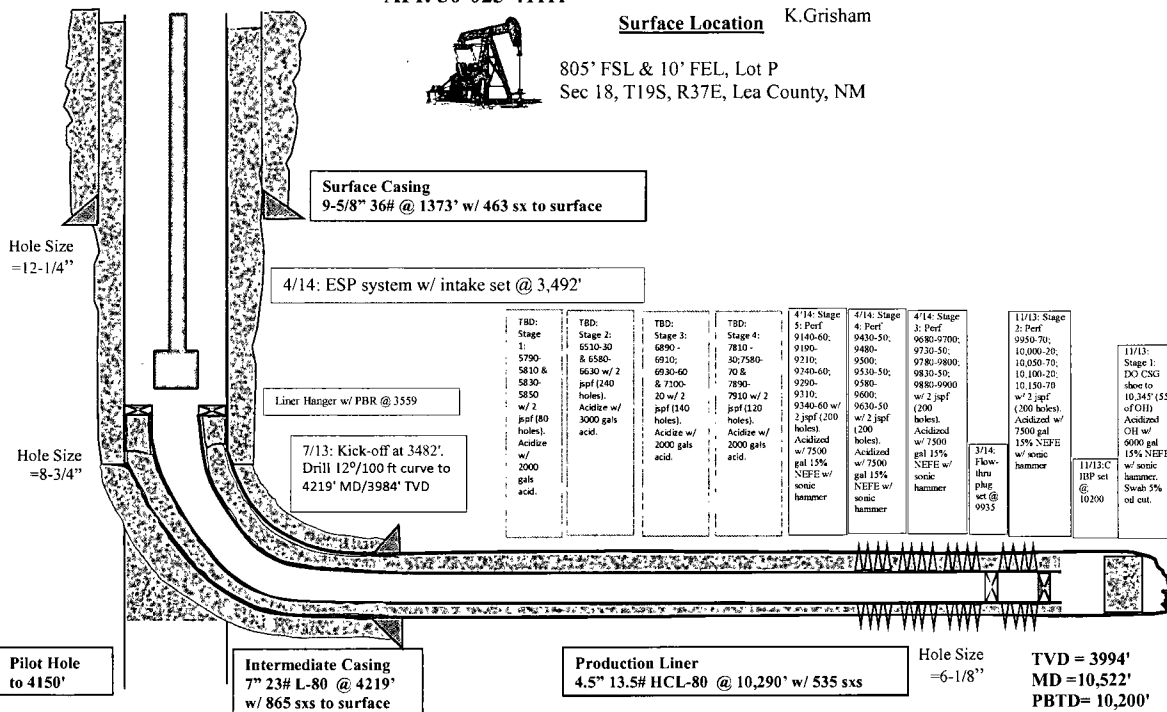
## Wellbore Diagram – Current Status

Date : 4/16/2015

API: 30-025-41111

Surface Location K.Grisham

805' FSL & 10' FEL, Lot P  
Sec 18, T19S, R37E, Lea County, NM



Stage 1  
10290 10345 55

Stage 2  
9950 9970 20 40  
10000 10020 20 40  
10050 10070 20 40  
10100 10120 20 40  
10150 10170 20 40  
100 200

Stage 3  
9680 9700 20 40  
9730 9750 20 40  
9780 9800 20 40  
9830 9850 20 40  
9880 9900 20 40  
100 200

Stage 4  
9430 9450 20 40  
9480 9500 20 40  
9530 9550 20 40  
9580 9600 20 40  
9630 9650 20 40  
100 200

Stage 5  
9140 9160 20 40  
9190 9210 20 40  
9240 9260 20 40  
9290 9310 20 40  
9340 9360 20 40  
100 200

Stage 6  
8850 8870 20 40  
8900 8920 20 40  
8950 8970 20 40  
9000 9020 20 40  
9050 9070 20 40  
100 200

Stage 7  
8550 8570 20 40  
8600 8620 20 40  
8650 8670 20 40  
8700 8720 20 40  
8750 8770 20 40  
100 200

Stage 8  
8270 8290 20 40  
8320 8340 20 40  
8370 8390 20 40  
8420 8440 20 40  
8470 8490 20 40  
100 200

Stage 9  
7870 7890 20 40  
7920 7940 20 40  
7970 7990 20 40  
8020 8040 20 40  
8070 8080 10 20  
90 180

-50

-30

-70