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1625 N. French Dr., Hobbs, NM 88240
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HOBBS
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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 July 18, 2013

WELL API NO. 30-025-31585
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-2052-3
7. Lease Name or Unit Agreement Name North Monument G/SA Unit (302708)
8. Well Number 022
9. OGRID Number 873
10. Pool name or Wildcat Eunice Monument; Grayburg-SA (23000)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3684 GL

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 F : 2605 feet from the North line and 2630 feet from the West line
Section 19 Township 19S Range 37E NMPM County Lea

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <u>Work-over</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 perform the following work. Please see attachments.

Production Casing: 7" 20 & 26# Set @ 4,550'
Producing Interval: 3,814-3,924'

Objective: Isolate lower Grayburg and add perforations in the San Andres

Spud Date: 07/29/1992

Rig Release Date: 08/23/1992

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

SIGNATURE Isabel Hudson TITLE Regulatory Analyst DATE 11/15/2016

Type or print name Isabel Hudson E-mail address: Isabel.hudson@apachecorp.com PHONE: (432) 818-1142

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 11/20/16
Conditions of Approval (if any):



November 11, 2016

NMGSAU # 522

API # 30-025-31585

Lea County, NM

Production Casing: 7" 20 & 26# Set @ 4,550'

Producing Interval: **3,814-3,924'**

Objective: Isolate lower Grayburg and add perforations in the San Andres

Procedure:

1. POOH with rods and tbg
2. Pick up 2-7/8" workstring
3. RIH with packer and pressure test casing to 500 psi down to 3,800'
4. POOH with packer
5. RIH with cmt retainer and set @ 3,805'
6. Pressure up casing to 300 psi
7. Squeeze perms from 3,814-924' with 200 sxs of cmt
8. WOC for 12 hours
9. RIH with bit, bit sub, junk baskets, drill collars and workstring
10. Drill out cmt and circulate bottoms up
11. Drill out CIBP @ 3,931' and circulate bottoms up
12. POOH and empty junk baskets
13. Pick up rock bit, bit sub, drill collars and 2-7/8" workstring
14. Drill out cmt and cmt retainer @ 3,986' and 4,000' respectively
15. Clean wellbore down to 4,400' and circulate 2% KCL water on bottom (from 4,400 to 4,200')
16. POOH laying down workstring
17. MIRU wireline
18. Perforate with casing gun (6 spf, 60° phasing)
 - 4,297-310'
19. Pick up Model R packer, SN and 2-7/8" production tbg
20. Set packer @ 4,280'
21. Open bypass in packer and circulate 750 gallons of 15% HCL NEFE to bottom
22. Break down formation and swab test well for 2 days. If a commercial completion is established
23. RIH with rod pump
24. Return well to production
25. If a commercial completion is not established
26. POOH with packer
27. RIH and set a CIBP @ 4,285'



28. Perforate with casing gun (6spf, 60° phasing)
 - 4,247-52'
29. Pick up Model R packer, SN and 2-7/8" production tbg
30. Set packer @ 4,220'
31. Open bypass in packer and circulate 500 gallons of 15% HCL NEFE to bottom
32. Break down formation and swab test well for 2 days. If a commercial completion is established
33. RIH with rod pump
34. Return well to production
35. If a commercial completion is not established
36. POOH with packer
37. RIH and set a CIBP @ 4,225'
38. Perforate with casing gun (6spf, 60° phasing)
 - 4,101-09'
39. Pick up Model R packer, SN and 2-7/8" production tbg
40. Set packer @ 4,080'
41. Open bypass in packer and circulate 600 gallons of 15% HCL NEFE to bottom
42. Break down formation and swab test well for 2 days.

GL=3684'
KB=3695'
Spud:7/29/92

Apache Corporation – NMGSAU #522

Wellbore Diagram – Current

Date : 6/21/2016
K. Grisham

API: 30-025-31585



Surface Location

2605' FNL & 2630' FWL,
Lot F Sec 19, T19S, R37E, Lea County, NM

Surface Casing

13-3/8" K-55, 48# @ 410' w/ 428 sxs to surface

Intermediate Casing

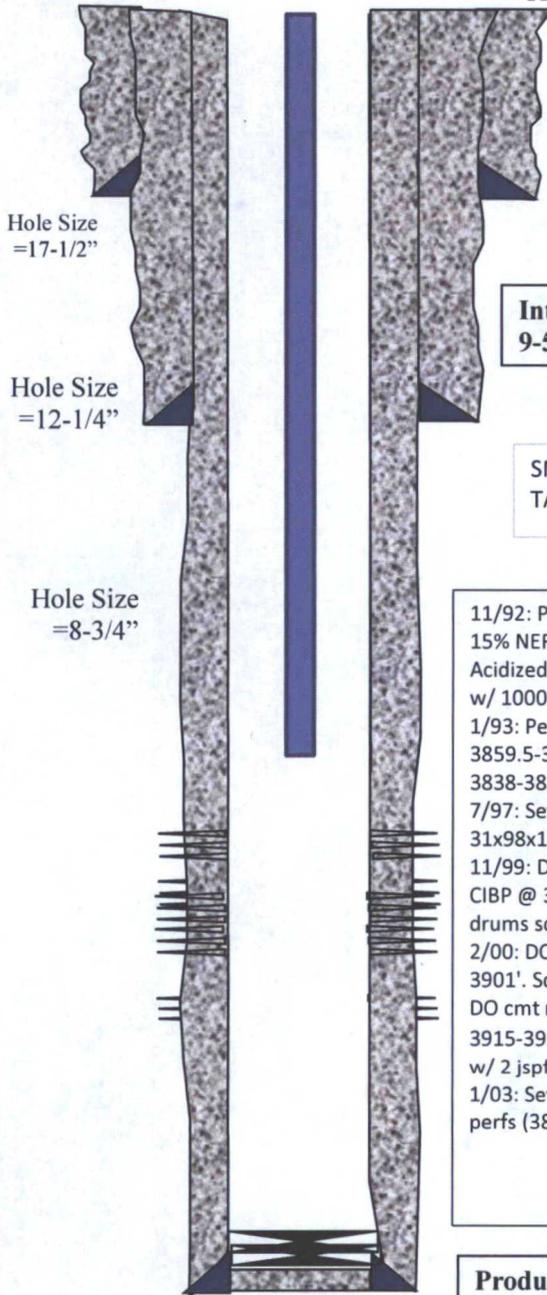
9-5/8" 36#, K-55 @ 3,673' w/ 1040 sxs to surface

SN OE @ 3898'
TAC @ 3768'

11/92: Perf fr/ 4025-4034.5'; 35-45.5'; 45-55'; 56-66'. (84 holes). Acidized w/ 2700 gals 15% NEFE. Sqz'd perms w/ 153 sxs. Perf fr/ 3915-16'; 3916.5-26'; 35-40'; 45-52' w/ 2 jspf. Acidized w/ 2200 gals 15% NEFE. Perf fr/ 3870-76' & 81-89 w/ 2 jspf (32 holes). Acidized w/ 1000 gals 15% NEFE. Began flow test.
1/93: Perf fr/ 3814-22' w/ 2 jspf (17 holes). Spotted w/ 1300 gals 15% NEFE. Perf fr/ 3859.5-3869.5 & 3850-3859' (40 shots) & fr/ 3838-3844' (12 holes). Acidized perms from 3838-3889' w/ 2000 gals 15% NEFE. 175x137x0.
7/97: Set CIBP @ 3906'. Acidized fr/ 3814-3889' w/ 2400 gals 15% NEFE. Swabbed & RTP. 31x98x151.
11/99: DO CIBP @ 3906'. Tagged cmt retainer @ 3992'. Ran USIT log fr/ 3983-3538'. Set CIBP @ 3942'. Washed perms fr/ 3814-3926' then acidized w/ 2000 gals 15% HCl. Dump 2 drums scale sqz w/ salt as diverter. RTP.
2/00: DO CIBP @ 3942'. & CO to cmt retainer @ 3986'. TIH w/ 7" cmt retainer & set @ 3901'. Sqz'd perms fr/ 3915-3952' w/ 150 sxs, found cmt communicating to upper perms. DO cmt retainer & cmt. Test sqz'd perms & held ok. Ran log, indicated cmt behind perms fr/ 3915-3926', 3935-3940' & 3945-3952'. Set CIBP @ 3930'. Perf fr/ 3889-96' & fr/ 3906-24' w/ 2 jspf (46 holes). Acidized perms 3889-3924' w/ 2000 gals 15% HCl.
1/03: Set CIBP @ 3902' Reperf fr/ 3850-3876' & 3881-3889' w/ 2 jspf (70 holes). Acidized perms (3850-3889') w/ 2000 gals 15% HCl. Swabbed & pushed CIBP down to CIBP @ 3931'.

Production Casing

7" 20 & 26#, K-55 @ 4,550' w/ 1210 sxs



PBTD = 3,931'
MD = 4,550'