

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 July 18, 2013

WELL API NO. 30-025-04141
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 006
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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> 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 <u>F</u> : 1980 feet from the <u>North</u> line and 1980 feet from the <u>West</u> line Section <u>01</u> Township <u>20S</u> Range <u>36E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3570' GR

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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: Perf & Sonic Hammer Grayburg <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 intends to perforate & sonic hammer the lower Grayburg then return to production per the attached procedure.

Spud Date:

05/25/1936

Rig Release Date:

06/30/1936

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

SIGNATURE

TITLE Regulatory Tech II

DATE 01/23/2014

Type or print name Fatima Vasquez

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

PHONE: (432) 818-1015

**For State Use Only**

APPROVED BY:

TITLE

Petroleum Engineer

DATE

JAN 28 2014

Conditions of Approval (if any):

JAN 28 2014

NMGSAU #1906  
API # 30-025-04141  
Sec 1, T20S, R36E  
Elevation: 3581' KB, 3570' GL  
TD: 3,910'  
PBTD: 3,670' CIBP

Casing Record: 12-1/2" 40# @ 229' w/ 150 sxs  
8-5/8" 29# @ 2,390' w/ 800 sxs  
6-5/8" 20# @ 3,790' w/ 170 sxs

Perfs: Grayburg: Open Hole from 3790-3910 (120'). SQZ'd  
Grayburg: 3776-90. SQZ'd w/ 175 sxs  
Grayburg: 3726-56. SQZ'd w/ 50 sxs  
Grayburg: 3685-95. SQZ'd w/ 75 sxs  
Grayburg: 3704-14. Inactive  
Grayburg: 3460-66; 3492-95; 3507-40; 3552-57; 3580-90; 3600-15 w/ 2 jspf  
Seven-Rivers Queen: 3070-3200; 3215-25; 3355-3415. SQZ'd w/ 300 sxs

Objective: Perforate and sonic hammer the lower Grayburg, RTP.

AFE: 11-14-0244

1. MIRU unit. Kill well as necessary. ND WH. NU BOP. POOH w/ tubing.
2. PU and RIH w/ bit, bit sub, and drill collars on 2-7/8" production tubing to and tag cement and CIBP @ ~3,635'.
3. RU reverse unit. Break circulations and DO/push CIBP to PBTD at 3,790'. Confirm PBTD at 3,790'. Circulate hole clean. POOH.
4. MIRU WL. RIH w/ perforator and perforate the LWR Grayburg at 3,652'-56'; 3,684'-95'; 3,704'-14'; 3,727'-32'; 3,740'-48'; 3,774'-83' w/ 2 jspf 120° phasing (94 holes). TOH w/ perf guns. **Correlate to LANE WELLS Radioactivity Log dated 8/5/1953.** RDMO WL.
5. PU and RIH w/ sonic hammer on 2-7/8" production tubing to PBTD @ 3,790'.
6. MIRU acid services. Acidize down 2-7/8" J-55 tubing w/ 3,500 gals of 15% NEFE HCL w/ additives through the sonic hammer moving across perforations from 3,652'-3,783'. Drop ball and shear tool.
7. RU swab equipment and recover load and swab test perfs for fluid entry and oil cut. Report results to Midland. RD swab equipment.
8. Kill well if necessary. TOH w/ sonic hammer and 2-7/8" tubing.
9. PU and RIH w/ production tbg w/ new pump as per the Monument office specification
10. RDMOPU. Set pumping unit. Return well to production and place into test for 10 days.

GL=3570'  
KB=3581'  
Spud: 5/25/36

## Apache Corporation – NMGSAU #1906

### Wellbore Diagram – Current Status

Date : 1/14/14

API: 30-025-04141

#### Surface Location

R. Taylor



1980' FNL & 1980' FWL,  
Sec 1, T20S, R36E, Lea County, NM

#### **Surface Casing**

**12-1/2" 40# @ 229' w/ 150 sxs to surface**

8/54: HIC. Casing pulled and replaced from 1776-surface.

#### **Intermediate Casing**

**8-5/8" 29# @ 2390' w/ 800 sxs**

TAC @ ???'  
SN @ 3860'

11/53: Perf Seven-rivers Queen @ 3070-3200, 3215-25; 3355-3415. Acidized w/ 1500 gal 15% J acid. Dual completion  
7/57: SQZ'd w/ 300 sxs cmt.

1/75: Perf @ 3460-66; 3470-78; 3492-95; 3507-40; 3552-57; 3580-90; 3600-15 w/ 2 jspf. Acidized w/ 1000 gal 15% acid.

1/75: CIBP @ 3670 w/ 5 sxs. ETC @ 3635'

6/61: Perf 3704-14 (20 holes). Frac'd w/ 5k gal oil & 5k# snd

3/61: Perf @ 3685-95 w/ 2 jspf. SQZ'd w/ 50 sxs cmt. Re-perf 3685-95 w/ 2 jspf. Acidized w/ 250 gal 15%. Frac'd w/ 5k gal oil & 5k# 20/40 snd.  
6/61: SQZ'd w/ 75 sxs latex cmt.

10/58: Perf @ 3726-56 (120 holes).  
3/61: SQZ'd w/ 50 sxs

11/53: Perf 3776-90. Acidized w/ 500 gal acid.  
7/57: SQZ'd w/ 75 sxs diesel-oil cmt. Acidized w/ 250 gal 15%  
10/58: SQZ'd w/ 100 sxs latex cmt.

#### **Production Casing**

**6-5/8" 20# @ 3,790' w/ 170 sxs**

7/36: OH from 3790-3910 natural completion  
11/53: PB to 3790 to shut-off water

Hole Size  
=17-1/2"

Hole Size  
=11"

TA'd in 72'  
RA in 75'

Hole Size  
=7-7/8"

Hole Size  
=5-5/8"

PBTD = 3,670'  
TD = 3,910'

GL=3570'  
KB=3581'  
Spud: 5/25/36

# Apache Corporation – NMGSAU #1906

## Wellbore Diagram – Proposed Status

Date : 1/14/14

API: 30-025-04141

### Surface Location

R. Taylor



1980' FNL & 1980' FWL,  
Sec 1, T20S, R36E, Lea County, NM

### Surface Casing

12-1/2" 40# @ 229' w/ 150 sxs to surface

8/54: HIC. Casing pulled and replaced from 1776-surface.

### Intermediate Casing

8-5/8" 29# @ 2390' w/ 800 sxs

TAC @ TBD'  
SN @ TBD'

11/53: Perf Seven-rivers Queen @ 3070-3200, 3215-25; 3355-3415. Acidized w/ 1500 gal 15% J acid. Dual completion  
7/57: SQZ'd w/ 300 sxs cmt.

1/75: Perf @ 3460-66; 3470-78; 3492-95; 3507-40; 3552-57; 3580-90; 3600-15 w/ 2 jspf. Acidized w/ 1000 gal 15% acid.

TBD: Perf 3652-56; 3684-95 3704-14; 3727-32; 3740-48; 3774-83 w/ 2 jspf (94 holes). Acidize w/ 3500 gal 15% NEFE w/ sonic hammer.

6/61: Perf 3704-14 (20 holes). Frac'd w/ 5k gal oil & 5k# snd

3/61: Perf @ 3685-95 w/ 2 jspf. SQZ'd w/ 50 sxs cmt. Re-perf 3685-95 w/ 2 jspf. Acidized w/ 250 gal 15%. Frac'd w/ 5k gal oil & 5k# 20/40 snd.  
6/61: SQZ'd w/ 75 sxs latex cmt.

10/58: Perf @ 3726-56 (120 holes).  
3/61: SQZ'd w/ 50 sxs

11/53: Perf 3776-90. Acidized w/ 500 gal acid.  
7/57: SQZ'd w/ 75 sxs diesel-oil cmt. Acidized w/ 250 gal 15%  
10/58: SQZ'd w/ 100 sxs latex cmt.

### Production Casing

6-5/8" 20# @ 3,790' w/ 170 sxs

7/36: OH from 3790-3910 natural completion  
11/53: PB to 3790 to shut-off water

Hole Size  
=17-1/2"

Hole Size  
=11"

TA'd in 72'  
RA in 75'

Hole Size  
=7-7/8"

Hole Size  
=5-5/8"

PBTD = 3,670'  
TD = 3,910'

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-04141	<sup>2</sup> Pool Code 23000	<sup>3</sup> Pool Name Eunice Monument; Grayburg-San Andres
<sup>4</sup> Property Code 302708	<sup>5</sup> Property Name North Monument G/SA Unit	
<sup>7</sup> OGRID No. 873	<sup>8</sup> Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	<sup>6</sup> Well Number 006
		<sup>9</sup> Elevation 3570' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	01	20S	36E		1980	North	1980	West	Lea

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature:  Date: 01/23/2014</p> <p>Printed Name: Fatima Vasquez</p> <p>E-mail Address: Fatima.Vasquez@apachecorp.com</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>