

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Apache Corporation: 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		<sup>2</sup> OGRID Number 873
		<sup>3</sup> API Number 30-025-33567
<sup>4</sup> Property Code 302375	<sup>5</sup> Property Name W A WEIR	<sup>6</sup> Well No. 11

**7. Surface Location**

UL - Lot L	Section 35	Township 19S	Range 36E	Lot Idn	Feet from 1680	N/S Line N	Feet From 580	E/W Line W	County LEA
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**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
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**9. Pool Information**

Pool Name EUNICE MONUMENT GRAYBURG SAN ANDRES	Pool Code 23000
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**Additional Well Information**

<sup>11</sup> Work Type P	<sup>12</sup> Well Type OIL	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3617
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation GRAYBURG	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 9/21/1996
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC

**Casing/Cement Program: Additional Comments**

C-103 FOR PB PROCEDURES well to be moved into the NMGSA Unit
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable.</b> Signature: <i>alicia fulton</i> Printed name: Alicia Fulton Title: Sr Staff Reg Analyst E-mail Address: alicia.fulton@apachecorp.com Date: 10/11/2019      Phone: (432) 818-1088		<p align="center"><b>OIL CONSERVATION DIVISION</b></p> Approved By: <i>[Signature]</i> Title: Approved Date: 10/21/2019      Expiration Date: 10/21/2021 Conditions of Approval Attached	
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October 8<sup>th</sup>, 2019

**WA Weir #11**

**API # 30-025-33567**

Lea County, NM

Production Casing: 5-1/2" 15.5#

Surface Casing: 8-5/8" 24#

**Objective:** Plug back from Abo to Grayburg, recomplete to Grayburg and acidize

**Procedure:**

**AFE 11-19-1172**

1. RU WL, set CIBP @ 5,150', dump bail 35' cement (3 sxs)
2. RD WL

**AFE 11-19-1173**

1. RU WL and perf the following intervals @ 2 SPF with 3 1/8" TAG w/ SDP Charges
  - a. 4,059' – 4,115 (112 shots)
2. RD WL, RIH and set packer at ~3,925'
3. Acidize Grayburg with 5,000 gals 15% HCL and 168 ball sealers
4. Swab test Grayburg for pumping unit sizing
5. Release packer, POOH, LD workstring
6. RIH with tubing, RIH with rods and pump, RD WO Unit
7. Set pumping unit, POP

Submit 1 Copy To Appropriate District Office  
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811 S. First St., Artesia, NM 88210  
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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. 30-025-33567
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 302375
7. Lease Name or Unit Agreement Name W A WEIR
8. Well Number 11
9. OGRID Number 873
10. Pool name or Wildcat MONUMENT-ABO (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 <input type="checkbox"/>	
2. Name of Operator Apache Corporation	
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705	
4. Well Location Unit Letter <u>L</u> : <u>1680</u> feet from the <u>N</u> line and <u>580</u> feet from the <u>W</u> line Section <u>35</u> Township <u>19S</u> Range <u>36E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3617	

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: plug back and recompleat uphole <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 is requesting approval to plug back and recompleat up hole to the North Monument Gryaburg San Andres Unit  
1. RU WL, set CIBP @ 5150', dump bail 35' cement (3 sxs)

RU WL and perf the following intervals @ 2 SPF with 3 1/8" TAG w/ SDP Charges  
4059' – 4,115' (112 shots)  
RD WL, RIH and set packer at ~3,925'  
Acidize Grayburg with 5,000 gals 15% HCL and 168 ball sealers  
Swab test Grayburg for pumping unit sizing  
RIH with tubing, RIH with rods and pump, RD WO Unit  
Set pumping unit, POP

Spud Date:

9/21/1996

Rig Release Date:

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

SIGNATURE alicia fulton TITLE Sr. Staff Reg Analyst DATE 10/11/2019

Type or print name Alicia Fulton E-mail address: alicia.fulton@apachecorp.com PHONE: (432) 818-1062

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

GL=3604'  
KB=3616'  
Spud: 2/22/96

## Apache Corporation – WA Weir #11

### Wellbore Diagram – **Proposed**

Date : 10/8/2019

API: 30-025-33567

#### Surface Location

S. Moody



1680' FNL & 580' FWL,  
Sec 35, T19S, R36E, Lea County, NM

#### Surface Casing

8-5/8" 24#, J-55 @ 1210' w/ 400 sxs to surface

TOC @ 3000'

**TBD:** Perf Grayburg @ 4059'-4115' w/ 2 SPF (112 holes). Acidize w/ 5000 g

**TBD:** Set CIBP @ 5150' w/ 35' cmt.

6/12: Set CIBP @ 7110' w/ 35' cmt. Set CIBP @ 6700'. Set CIBP @ 6500' w/35' cmt cap & TA well.

6/12: Perf lwr Tubb fr/ 6714'-6805' w/2 JSPF (54 holes). Acidize w/ 5000 gals 15% NEFE. Set CIBP @ 6700'. Perf Upr Tubb fr/ 6549'-6674' w/2 JSPF (56 holes). Acidize w/ 5000 gals 15% NEFE. Set CIBP @ 6500' capped w/35' cmt. Well TA'd.

11/08: Re-perf Abo fr/ 7204'-7350'. Acidize w/ 5400 g 15% HCl.

3/01: Cmt sqz Abo perms fr/ 7220'- 7400' w/ 200 sxs. Perf fr/7204'-7350' w/2 JSPF (112 holes). Acidize w/3500 gals 15% HCl. Set RBP @ 7356'.

11/96: Perf Abo @ 7270-77', 83'-88', 93'-7306', 13'-22', 28'-50', 60'-77' & 83'-7400' w/2 JSPF (180 holes). Acidize w/ sonic hammer w/4500 gals 15% HCl.

Hole Size  
=7-7/8"

PBTD = 6465'  
MD =7,525'

#### Production Casing

5-1/2" 15.5#, J-55 @ 7520' w/ 1005 sxs to 3000'.

GL=3604'  
KB=3616'  
Spud: 2/22/96

## Apache Corporation – WA Weir #11

### Wellbore Diagram – Current

Date : 10/8/2019

API: 30-025-33567

#### Surface Location

S. Moody



1680' FNL & 580' FWL,  
Sec 35, T19S, R36E, Lea County, NM

Hole Size  
=11"

#### Surface Casing

8-5/8" 24#, J-55 @ 1210' w/ 400 sxs to surface

TOC @ 3000'

6/12: Set CIBP  
@ 7110' w/ 35'  
cmt. Set CIBP @  
6700'. Set CIBP  
@ 6500' w/35'  
cmt cap & TA  
well.

6/12: Set CIBP @ 7110' w/ 35' cmt. Perf lwr Tubb fr/ 6714'-6805' w/2 JSPF (54 holes). Acidize w/ 5000 gals 15% NEFE. Set CIBP @ 6700'. Perf Upr Tubb fr/ 6549'-6674' w/2 JSPF (56 holes). Acidize w/ 5000 gals 15% NEFE. Set CIBP @ 6500' capped w/35' cmt. Well TA'd.

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