

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

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

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| L | 35 | 19S | 36E | | 1680 | N | 580 | W | LEA |

8. Proposed Bottom Hole Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet from | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| | | | | | | | | | |

9. Pool Information

| | | |
|--------------------------------------------|-----------|--------------------|
| EUNICE MONUMENT GRAYBURG SAN ANDRES | Pool Name | Pool Code 23000 |
|--------------------------------------------|-----------|--------------------|

Additional Well Information

| | | | | | | | | |
|-----------------------|-------------------------|------------|----------------------------------------|--|-------------------------------------|-----------------------------------|--------------------------|----------------------------------------------|
| P | ¹¹ Work Type | OIL | ¹² Well Type | | ¹³ Cable/Rotary | S | ¹⁴ Lease Type | ¹⁵ Ground Level Elevation 3617 |
| N | ¹⁶ Multiple | | ¹⁷ Proposed Depth | | ¹⁸ Formation GRAYBURG | | ¹⁹ Contractor | ²⁰ 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 |
|--------------------------------------------------------------|

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|------|------------------|---------------|--------------|
| | | | |

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. 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. 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 | OIL CONSERVATION DIVISION | |
| | Approved By: <i>[Signature]</i> | |
| | Title: | |
| | Approved Date: 10/21/2019 | Expiration Date: 10/21/2021 |
| | Conditions of Approval Attached | |

October 8th, 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
 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
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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

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| 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.) | | WELL API NO. 30-025-33567 |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> | | 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator Apache Corporation | | 6. State Oil & Gas Lease No. 302375 |
| 3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705 | | 7. Lease Name or Unit Agreement Name W A WEIR |
| 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> | | 8. Well Number <u>11</u> |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3617</u> | | 9. OGRID Number 873 |
| 10. Pool name or Wildcat MONUMENT-ABO (23000) | | |

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

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

Hole Size
=11"

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

S. Moody

Surface Location



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

Hole Size
=11"

Surface Casing

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