

**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 Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101  
August 1, 2011  
Permit 240159

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

|                                                                                                      |  |                               |
|------------------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>MARATHON OIL PERMIAN LLC<br>5555 San Felipe St.<br>Houston, TX 77056 |  | 2. OGRID Number<br>372098     |
| 4. Property Code<br>319281                                                                           |  | 3. API Number<br>30-015-44378 |
| 5. Property Name<br>CYPRESS FEE 23 27 9                                                              |  | 6. Well No.<br>006H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| L        | 9       | 23S      | 27E   |         | 2093      | S        | 345       | W        | Eddy   |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| I        | 9       | 23S      | 27E   | I       | 1691      | S        | 330       | E        | Eddy   |

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| PURPLE SAGE;WOLFCAMP (GAS) | 98220 |
|----------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                           |                                    |
|---------------------------|-----------------------------|----------------------------------------|---------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>GAS        | 13. Cable/Rotary                       | 14. Lease Type<br>Private | 15. Ground Level Elevation<br>3163 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>13700 | 18. Formation<br>Wolfcamp              | 19. Contractor            | 20. Spud Date<br>8/30/2017         |
| 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 |
|--------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf   | 17.5      | 13.375      | 48               | 500           | 515             | 0             |
| Int1   | 12.25     | 9.625       | 40               | 2400          | 880             | 0             |
| Prod   | 8.75      | 7           | 29               | 9500          | 697             | 0             |
| Liner1 | 6.125     | 4.5         | 11.6             | 13700         | 145             | 8714          |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 10000            | 5000          | Cameron      |
| Annular    | 5000             | 2500          | Townsend     |

|                                                                                                                                                                                                                                                                                                                      |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br><br>Signature: | <b>OIL CONSERVATION DIVISION</b>                         |
| Printed Name: Electronically filed by Melissa Szudera                                                                                                                                                                                                                                                                | Approved By: Raymond Podany                              |
| Title: Regulatory Compliance Representative                                                                                                                                                                                                                                                                          | Title: Geologist                                         |
| Email Address: mszudera@marathonoil.com                                                                                                                                                                                                                                                                              | Approved Date: 8/11/2017      Expiration Date: 8/11/2019 |
| Date: 8/9/2017      Phone: 701-260-7272                                                                                                                                                                                                                                                                              | Conditions of Approval Attached                          |

Donnell  
1425 N. French Dr., Hobbs, NM 88240  
Phone: (505) 392-4345 Fax: (505) 392-4328  
SHR&E  
801 S. First St., Austin, NM 87003  
Phone: (505) 338-1267 Fax: (505) 338-1320  
Donnell  
1000 Elm-Peters Road, Arroyo, NM 87008  
Phone: (505) 334-4178 Fax: (505) 334-4179  
Donnell  
1238 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-1468 Fax: (505) 476-1462

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

Form C-107  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                            |                          |
|----------------------------|----------------------------|--------------------------|
| <sup>1</sup> API Number    | <sup>2</sup> Pool Code     | <sup>3</sup> Pool Name   |
|                            |                            | PURPLE SAGE; WOLF CAMP   |
| <sup>4</sup> Property Code | <sup>5</sup> Property Name | <sup>6</sup> Well Number |
|                            | CYPRESS FEE 23-27-9        | 6H                       |
| <sup>7</sup> OGBID No.     | <sup>8</sup> Operator Name | <sup>9</sup> Location    |
| 37209B                     | MARATHON OIL PERMIAN LLC   | 3163                     |

\* Surface Location

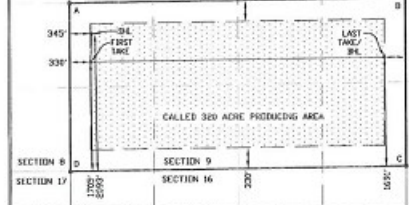
|                  |         |          |       |         |               |                  |               |                |        |
|------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| U.S. or Int. No. | Section | Township | Range | Lot No. | Feet from the | North/South line | Feet from the | East/West line | County |
| L                | 9       | T23S     | R27E  |         | 2093'         | SOUTH            | 345'          | WEST           | EDDY   |

\* Bottom Hole Location If Different From Surface

|                  |         |          |       |         |               |                  |               |                |        |
|------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| U.S. or Int. No. | Section | Township | Range | Lot No. | Feet from the | North/South line | Feet from the | East/West line | County |
| I                | 9       | T23S     | R27E  |         | 1691'         | SOUTH            | 330'          | EAST           | EDDY   |

|                            |                               |                                  |                         |
|----------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>10</sup> Drilled Area | <sup>11</sup> Joint or Infill | <sup>12</sup> Consolidation Code | <sup>13</sup> Order No. |
| 320                        |                               |                                  |                         |

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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|
| <b>SECTION 5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>SECTION 4</b> | <b>SECTION 3</b>  |
| <b>SECTION 8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>SECTION 9</b> | <b>SECTION 10</b> |
| <b>CORNER COORDINATES</b><br>NAD 83, SPCS NM EAST<br>A - N 4799523' / E 3840063'<br>B - N 4800537' / E 3840063'<br>C - N 4774843' / E 3840063'<br>D - N 4774843' / E 3840063'                                                                                                                                                                                                                                                                                                            |                  |                   |
| <b>CORNER COORDINATES</b><br>NAD 83, SPCS NM EAST<br>A - N 4799523' / E 3840063'<br>B - N 4800537' / E 3840063'<br>C - N 4774843' / E 3840063'<br>D - N 4774843' / E 3840063'                                                                                                                                                                                                                                                                                                            |                  |                   |
| <b>SURFACE HOLE LOCATION</b><br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"                                                                                                                                                                                                                                                                      |                  |                   |
| <b>NOTED HOLE LOCATION</b><br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"                                                                                                                                                                                                                                                                        |                  |                   |
| <b>FIRST TIME POINT</b><br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"                                                                                                                                                                                                                                                                           |                  |                   |
| <b>LAST TIME POINT</b><br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"<br>NAD 83, SPCS NM EAST<br>LAT: 36°23'00" / LONG: 106°09'15"                                                                                                                                                                                                                                                                            |                  |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                        |                  |                   |
| <b>"OPERATOR CERTIFICATION"</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this information was obtained from a reliable source and that I am not aware of any material or information that would make this information false or misleading in any material respect.<br>Signature: <i>Melissa Szudera</i> Date: 8/14/17<br>Print Name: Melissa Szudera<br>Local Address: m.szudera@marathon oil.com |                  |                   |
| <b>"SURVEYOR CERTIFICATION"</b><br>I hereby certify that the well location shown on this plat was obtained from a reliable source and that I am not aware of any material or information that would make this information false or misleading in any material respect.<br>Date of Survey: AUGUST 04, 2017<br>Signature and Seal of Professional Surveyor: <i>LLOYD P. SHORT</i><br>Certificate Number: 21653                                                                             |                  |                   |

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments

Permit 240159

**PERMIT COMMENTS**

|                                                                                                             |                                               |                                    |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|
| Operator Name and Address:<br>MARATHON OIL PERMIAN LLC [372098]<br>5555 San Felipe St.<br>Houston, TX 77056 |                                               | API Number:<br>30-015-44378        |
|                                                                                                             |                                               | Well:<br>CYPRESS FEE 23 27 9 #006H |
| Created By                                                                                                  | Comment                                       | Comment Date                       |
| jvancuren                                                                                                   | First take is I-9-23S-27E, 1705 FSL & 330 FWL | 8/9/2017                           |
| jvancuren                                                                                                   | 32.31793498N, -104.20249503W                  | 8/9/2017                           |

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**1220 S. St Francis Dr.**  
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Form APD Conditions

Permit 240159

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                             |                                                                                     |                                    |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------|
| Operator Name and Address:<br>MARATHON OIL PERMIAN LLC [372098]<br>5555 San Felipe St.<br>Houston, TX 77056 |                                                                                     | API Number:<br>30-015-44378        |
|                                                                                                             |                                                                                     | Well:<br>CYPRESS FEE 23 27 9 #006H |
| OCD Reviewer                                                                                                | Condition                                                                           |                                    |
| RPodany                                                                                                     | Will require a directional survey with the C-104                                    |                                    |
| RPodany                                                                                                     | Cement is required to circulate on both surface and intermediate1 strings of casing |                                    |