

**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 248611

**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>320795                                                                           |  | 3. API Number<br>30-015-44692 |
| 5. Property Name<br>Catapult Fee 23 26 1 WXY                                                         |  | 6. Well No.<br>003H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| O        | 1       | 23S      | 26E   | o       | 463       | S        | 1527      | E        | Eddy   |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| B        | 1       | 23S      | 36E   | B       | 330       | N        | 2325      | 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>3219 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>13585 | 18. Formation<br>Wolfcamp              | 19. Contractor            | 20. Spud Date<br>2/22/2018         |
| 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      | 54.5             | 400           | 412             | 0             |
| Int1 | 12.25     | 9.625       | 36               | 1950          | 579             | 0             |
| Int2 | 8.75      | 7           | 29               | 9273          | 817             | 0             |
| Prod | 6.125     | 4.5         | 13.5             | 13585         | 532             | 8269          |

**Casing/Cement Program: Additional Comments**

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

**22. Proposed Blowout Prevention Program**

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

|                                                                                                                                                                                                                                                                                                                      |                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 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: 2/16/2018      Expiration Date: 2/16/2020 |
| Date: 2/15/2018      Phone: 701-260-7272                                                                                                                                                                                                                                                                             | Conditions of Approval Attached                          |

District  
 3675 N. French Dr., Hobbs, NM 88240  
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 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 & 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          | <sup>2</sup> Pool Code<br>98220                        | <sup>3</sup> Pool Name<br>PURPLE SAGE; WOLFCAMP (GAS) |
| <sup>4</sup> Property Code       | <sup>5</sup> Property Name<br>CATAPULT FEE 23-26-1 WXY | <sup>6</sup> Well Number<br>3H                        |
| <sup>7</sup> OGDID No.<br>372098 | <sup>8</sup> Operator Name<br>MARATHON OIL PERMIAN LLC | <sup>9</sup> Elevation<br>3219                        |

**\* Surface Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0             | 1       | T23S     | R26E  |         | 463           | SOUTH            | 1527          | EAST           | EDDY   |

**\* 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B (LOT2)      | 1       | T23S     | R26E  |         | 330           | NORTH            | 2325          | EAST           | EDDY   |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>10</sup> Dedicated Acres<br>320.36 | <sup>11</sup> Joint or Infill | <sup>12</sup> Consolidation Code | <sup>13</sup> Order No. |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|

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>T-22-S<br/>T-23-S</p> <p>LAST TAKE/SHL<br/>330'</p> <p>CORNER COORDINATES<br/>NAD 83, SPCS NM EAST<br/>A - Y: 487040.95' / X: 566287.81'<br/>B - Y: 487043.47' / X: 570881.56'<br/>C - Y: 487256.56' / X: 570883.90'<br/>D - Y: 487533.94' / X: 568203.23'</p> <p>CORNER COORDINATES<br/>NAD 83, SPCS NM EAST<br/>A - Y: 487781.00' / X: 527846.14'<br/>B - Y: 487784.42' / X: 529699.05'<br/>C - Y: 488496.66' / X: 529703.19'<br/>D - Y: 488475.88' / X: 527021.46'</p> <p>LAST TAKE POINT/<br/>BOTTOM HOLE LOCATION<br/>330' FSL 2325' FEL SECTION 1<br/>NAD 83, SPCS NM EAST<br/>X: 566256.29' / Y: 487501.27'<br/>LAT: 32.9402091N / LON: 104.24520044W - 330'<br/>NAD 83, SPCS NM EAST<br/>X: 567374.61' / Y: 487450.27'<br/>LAT: 32.9405096N / LON: 104.2446979W</p> <p>FIRST TAKE POINT<br/>330' FSL 2340' FEL SECTION 1<br/>NAD 83, SPCS NM EAST<br/>X: 566534.77' / Y: 488206.13'<br/>LAT: 32.944334N / LON: 104.24520248W<br/>NAD 83, SPCS NM EAST<br/>X: 567353.00' / Y: 488207.25'<br/>LAT: 32.938253N / LON: 104.2447000W</p> <p>SURFACE HOLE LOCATION<br/>463' FSL 1527' FEL SECTION 1<br/>NAD 83, SPCS NM EAST<br/>X: 569356.19' / Y: 483304.66'<br/>LAT: 32.9378926N / LON: 104.2452277W<br/>NAD 83, SPCS NM EAST<br/>X: 568174.40' / Y: 482945.77'<br/>LAT: 32.9377882N / LON: 104.2421297W</p> <p>SECTION 1<br/>SECTION 12</p> | <p>330'</p> <p>SECTION 36</p> <p>SECTION 31</p> <p>SECTION 6</p> <p>2,325'</p> <p>330'</p> <p>2,340'</p> <p>463'</p> <p>330'</p> <p>1,527'</p> <p>FIRST TAKE</p> <p>SHL</p> <p>PI</p> | <p><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 signature is either as a working interest or as a 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 interest or such mineral or working interest, or to a royalty pooling agreement or a completed pooling order, as applicable, entered by the division.</p> <p>Signature: <i>[Signature]</i> Date: 2/9/2018<br/>         Printed Name: Melissa Szudera<br/>         E-mail Address: mszudera@marathonoil.com</p> <p><b>* SURVEYOR CERTIFICATION</b><br/>         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.</p> <p>FEBRUARY 2, 2018<br/>         Date of Survey<br/>         Signature and Seal of Professional Surveyor: <i>[Signature]</i><br/>         Certificate Number: LLOYD P. SHORT<br/>         LLOYD P. SHORT<br/>         NEW MEXICO<br/>         21653<br/>         PROFESSIONAL SURVEYOR</p> |
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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

Form APD Comments

Permit 248611

**PERMIT COMMENTS**

|                                                                                                             |  |                                         |
|-------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|
| Operator Name and Address:<br>MARATHON OIL PERMIAN LLC [372098]<br>5555 San Felipe St.<br>Houston, TX 77056 |  | API Number:<br>30-015-44692             |
|                                                                                                             |  | Well:<br>Catapult Fee 23 26 1 WXY #003H |

|            |         |              |
|------------|---------|--------------|
| Created By | Comment | Comment Date |
|------------|---------|--------------|

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Form APD Conditions  
  
Permit 248611

**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>30-015-44692             |
|                                                                                                             |                                                                                     | Well:<br>Catapult Fee 23 26 1 WXY #003H |
| 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 |                                         |