

**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 240899

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

|                                                                                                               |  |                               |
|---------------------------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>ONEENERGY PARTNERS OPERATING, LLC<br>2929 Allen Parkway<br>Houston , TX 77019 |  | 2. OGRID Number<br>372031     |
| 4. Property Code<br>319572                                                                                    |  | 3. API Number<br>30-025-44010 |
| 5. Property Name<br>THUNDERBIRD WCA STATE COM                                                                 |  | 6. Well No.<br>001H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| D        | 36      | 25S      | 34E   | D       | 376       | N        | 376       | 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 |
| M        | 36      | 25S      | 34E   | M       | 380       | S        | 380       | W        | Lea    |

**9. Pool Information**

|                      |       |
|----------------------|-------|
| HARDIN TANK;WOLFCAMP | 96658 |
|----------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3303 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>16719 | 18. Formation<br>Wolfcamp              | 19. Contractor          | 20. Spud Date<br>11/1/2017         |
| 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      | 54.5             | 900           | 635             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 5000          | 1617            | 0             |
| Int2 | 8.75      | 7           | 29               | 11820         | 900             | 0             |
| Prod | 6.125     | 4.5         | 13.5             | 16719         | 220             | 11750         |

**Casing/Cement Program: Additional Comments**

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

**22. Proposed Blowout Prevention Program**

|            |                  |               |              |
|------------|------------------|---------------|--------------|
| Type       | Working Pressure | Test Pressure | Manufacturer |
| Double Ram | 3000             | 5000          |              |

|                                                                                                                                                                                                                                                                                                                             |                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br><b>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.</b><br><br>Signature: | <b>OIL CONSERVATION DIVISION</b>                         |
| Printed Name: Electronically filed by David Ramsden-Wood                                                                                                                                                                                                                                                                    | Approved By: Paul Kautz                                  |
| Title: President & Chief Operating Officer                                                                                                                                                                                                                                                                                  | Title: Geologist                                         |
| Email Address: drw@oneenergypartners.com                                                                                                                                                                                                                                                                                    | Approved Date: 9/13/2017      Expiration Date: 9/13/2019 |
| Date: 9/12/2017      Phone: 303-253-0707                                                                                                                                                                                                                                                                                    | Conditions of Approval Attached                          |



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**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 240899

**PERMIT COMMENTS**

|                                                                                                                      |                                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Operator Name and Address:<br>ONEENERGY PARTNERS OPERATING, LLC [372031]<br>2929 Allen Parkway<br>Houston , TX 77019 | API Number:<br>30-025-44010              |
|                                                                                                                      | Well:<br>THUNDERBIRD WCA STATE COM #001H |

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

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Form APD Conditions

Permit 240899

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
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**1220 S. St Francis Dr.**  
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**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                                      |                                          |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Operator Name and Address:<br>ONEENERGY PARTNERS OPERATING, LLC [372031]<br>2929 Allen Parkway<br>Houston , TX 77019 | API Number:<br>30-025-44010              |
|                                                                                                                      | Well:<br>THUNDERBIRD WCA STATE COM #001H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pkautz          | Will require a directional survey with the C-104                                                                                                                                                                                                                                                                                                                      |
| pkautz          | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string                                                                                                  |
| pkautz          | 1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface -- 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing -- 3) PRODUCTION CASING - Cement must tie back into intermediate2 casing --                                                                                                                                          |
| pkautz          | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement                                                                                                                                                                                                                                                          |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                                                                                                                                  |
| pkautz          | Operator shall notify appropriate District office when setting conductor pipe.                                                                                                                                                                                                                                                                                        |
| pkautz          | 1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 20 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104                   |
| pkautz          | Lost Circulation - Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186                                                                                                                                                                                                                                                                    |
| pkautz          | Water flows - Must notify OCD Hobbs Office of any water flows in the Castile Formation at 575-370-3186. Report depth and flow rate                                                                                                                                                                                                                                    |
| pkautz          | Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe. |
| pkautz          | Gas Capture Plan - Operator to Submit Gas Capture Plan ASAP.                                                                                                                                                                                                                                                                                                          |