

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(505) 393-8161 Fax:(505) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-8178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**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 197083

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

|                                                                                 |  |                               |
|---------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>OXY USA INC<br>PO Box 4294<br>Houston, TX 77210 |  | 2. OGRID Number<br>16696      |
| 4. Property Code<br>313992                                                      |  | 3. API Number<br>30-025-42346 |
| 5. Property Name<br>COPPERHEAD 18 DM STATE                                      |  | 6. Well No.<br>002H           |

**7. Surface Location**

|          |   |         |    |          |     |       |     |         |           |    |          |   |           |      |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|----|----------|---|-----------|------|----------|---|--------|-----|
| UL - Lot | C | Section | 18 | Township | 24S | Range | 33E | Lot Idn | Feet From | 30 | N/S Line | N | Feet From | 1270 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|----|----------|---|-----------|------|----------|---|--------|-----|

**8. Proposed Bottom Hole Location**

|          |   |         |    |          |     |       |     |         |   |           |     |          |   |           |     |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|
| UL - Lot | M | Section | 18 | Township | 24S | Range | 33E | Lot Idn | 4 | Feet From | 180 | N/S Line | S | Feet From | 940 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| TRIPLE X;BONE SPRING, WEST | 96674 |
|----------------------------|-------|

**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>3570 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>14276 | 18. Formation<br>1st Bone Spring Sand  | 19. Contractor          | 20. Spud Date<br>1/20/2015         |
| 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 | 14.75     | 11.75       | 47               | 1230          | 765             | 0             |
| Int1 | 10.625    | 8.625       | 32               | 5050          | 1260            | 0             |
| Prod | 7.875     | 5.5         | 17               | 14276         | 1380            | 4000          |

**Casing/Cement Program: Additional Comments**

|                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Proposed Mud Program: 0-1230' Fresh Water/Spud Mud - 1230-5050' Fresh Water/NaCl Brine - 5050-14276' Cut Brine/Sweeps. BOP Program: 13-5/8" 10M three ram stack w/ 5M annular preventer, 5M choke manifold. Additional information will be sent along with the H2S plan. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**22. Proposed Blowout Prevention Program**

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: _____<br>Printed Name: Electronically filed by Teresa L Jackson<br>Title: _____<br>Email Address: Teresa_Jackson@oxy.com<br>Date: 12/17/2014 | <p style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></p> Approved By: Paul Kautz<br>Title: Geologist<br>Approved Date: 12/18/2014<br>Expiration Date: 12/18/2016<br>Conditions of Approval Attached |
| Phone: 713-366-5069                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                |

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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

|                         |                                           |                                          |
|-------------------------|-------------------------------------------|------------------------------------------|
| API Number<br>30-025-   | Pool Code<br>96674                        | Pool Name<br>Triple X Bone Springs, West |
| Property Code<br>3050AB | Property Name<br>COPPERHEAD "18" DM STATE | Well Number<br>2H                        |
| OGRID No.<br>16696      | Operator Name<br>OXY USA INC.             | Elevation<br>3570.2'                     |

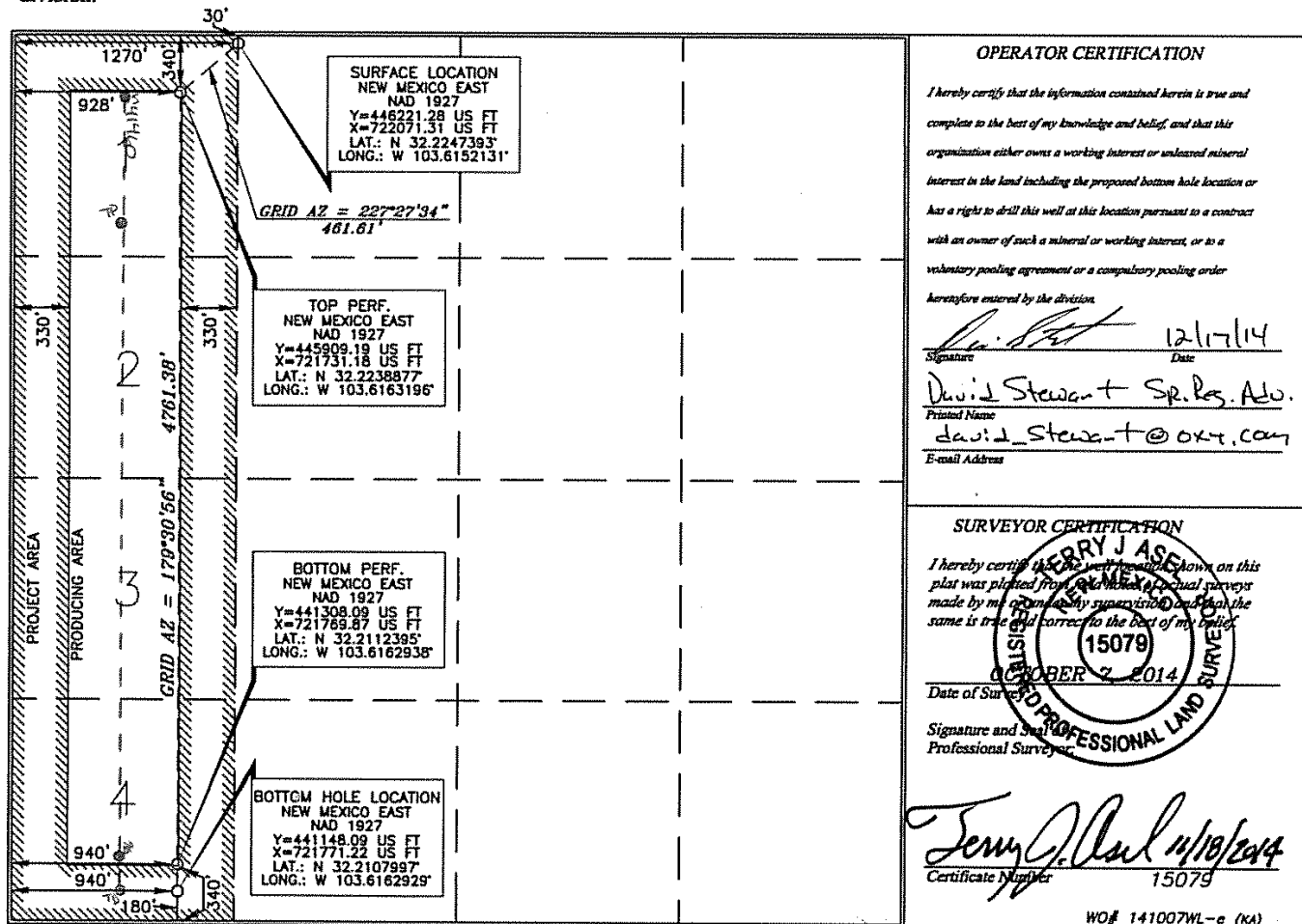
Surface Location

| UL or lot no. | Section | Township | Range             | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 18      | 24 SOUTH | 33 EAST, N.M.P.M. |         | 30'           | NORTH            | 1270'         | WEST           | LEA    |

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 |
|------------------------|----------------------|--------------------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| 4                      | 18                   | 24 SOUTH           | 33 EAST, N.M.P.M. |         | 180'          | SOUTH            | 940'          | WEST           | LEA    |
| Dedicated Acres<br>160 | Joint or Infill<br>Y | Consolidation Code | 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.



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**Santa Fe, NM 87505**

Form APD Comments

Permit 197083

**PERMIT COMMENTS**

|                                                                                       |  |                                       |
|---------------------------------------------------------------------------------------|--|---------------------------------------|
| Operator Name and Address:<br>OXY USA INC [16696]<br>PO Box 4294<br>Houston, TX 77210 |  | API Number:<br>30-025-42346           |
|                                                                                       |  | Well:<br>COPPERHEAD 18 DM STATE #002H |

| Created By | Comment                                                                                                                                                                                                                                                                                                                                                                                      | Comment Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| STEWARTD   | Top Perforated Interval: 340 FNL 928 FWL DE(1) 18-24S-33E - Lat: 32.2238877 Long: 103.6163196 Bottom Perforated Interval: 340 FSL 940 FWL M(4) 18-24S-33E - Lat: 32.2112395 Long: 103.6162938 A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility. | 12/17/2014   |
| STEWARTD   | The wells listed below are either permitted, drilled, or completed in the following pool(s) and formation(s). 1. Copperhead 18 St #2H – 30-025-41460 – Triple X Bone Spring, W. (96674) 2nd Bone Spring – TVD 11060' Ut D(1)-E(2)-L(3)-M(4).                                                                                                                                                 | 12/17/2014   |

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Form APD Conditions

Permit 197083

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                       |                                       |
|---------------------------------------------------------------------------------------|---------------------------------------|
| Operator Name and Address:<br>OXY USA INC [16696]<br>PO Box 4294<br>Houston, TX 77210 | API Number:<br>30-025-42346           |
|                                                                                       | Well:<br>COPPERHEAD 18 DM STATE #002H |

| OCD 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       | If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.                                                                                                                                                    |
| pkautz       | 1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate 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                                                                                                                                                                 |