

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170  
**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 229823

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

|                                                                                                 |                                       |                               |
|-------------------------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>KAISER-FRANCIS OIL CO<br>6733 S Yale Ave<br>Tulsa, OK, OK 74136 |                                       | 2. OGRID Number<br>12361      |
|                                                                                                 |                                       | 3. API Number<br>30-015-43991 |
| 4. Property Code<br>317154                                                                      | 5. Property Name<br>WILLOW LAKE WC 15 | 6. Well No.<br>003H           |

**7. Surface Location**

|               |               |                 |              |         |                  |               |                  |               |                |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|----------------|
| UL - Lot<br>P | Section<br>15 | Township<br>24S | Range<br>28E | Lot Idn | Feet From<br>675 | N/S Line<br>S | Feet From<br>120 | E/W Line<br>E | County<br>Eddy |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|----------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                  |               |                  |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|
| UL - Lot<br>M | Section<br>15 | Township<br>24S | Range<br>28E | Lot Idn<br>M | Feet From<br>990 | N/S Line<br>S | Feet From<br>280 | E/W Line<br>W | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|

**9. Pool Information**

|                                      |   |
|--------------------------------------|---|
| CULEBRA BLUFF; WOLFCAMP, SOUTH (GAS) | 0 |
|--------------------------------------|---|

**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>2995 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>15470 | 18. Formation<br>Wolfcamp              | 19. Contractor            | 20. Spud Date<br>5/1/2017          |
| 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      | 48               | 500           | 547             | 0             |
| Int1 | 12.25     | 9.625       | 36               | 2700          | 898             | 0             |
| Int2 | 8.75      | 7           | 26               | 11070         | 701             | 2000          |
| Prod | 6.125     | 4.5         | 13.5             | 15470         | 522             | 10200         |

**Casing/Cement Program: Additional Comments**

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

**22. Proposed Blowout Prevention Program**

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>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.</p> <p>Signature: _____</p> <p>Printed Name: Electronically filed by Robert Major</p> <p>Title: Manager</p> <p>Email Address: kristing@kfoc.net</p> <p>Date: 12/14/2016</p> | <p><b>OIL CONSERVATION DIVISION</b></p> <p>Approved By: Paul Kautz</p> <p>Title: Geologist</p> <p>Approved Date: 12/15/2016</p> <p>Expiration Date: 12/15/2018</p> <p>Conditions of Approval Attached</p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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DISTRICT II  
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DISTRICT III  
1080 Rio Blanco Road, Aztec, NM 87410  
Phone: (505) 334-6179 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3468 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 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    |                                                     | Pool Code | Pool Name                  |
| Property Code | Property Name:<br><b>WILLOW LAKE WC 15</b>          |           | Well Number:<br><b>3H</b>  |
| GRID No.      | Operator Name:<br><b>KAISER-FRANCIS OIL COMPANY</b> |           | Elevation:<br><b>2995'</b> |

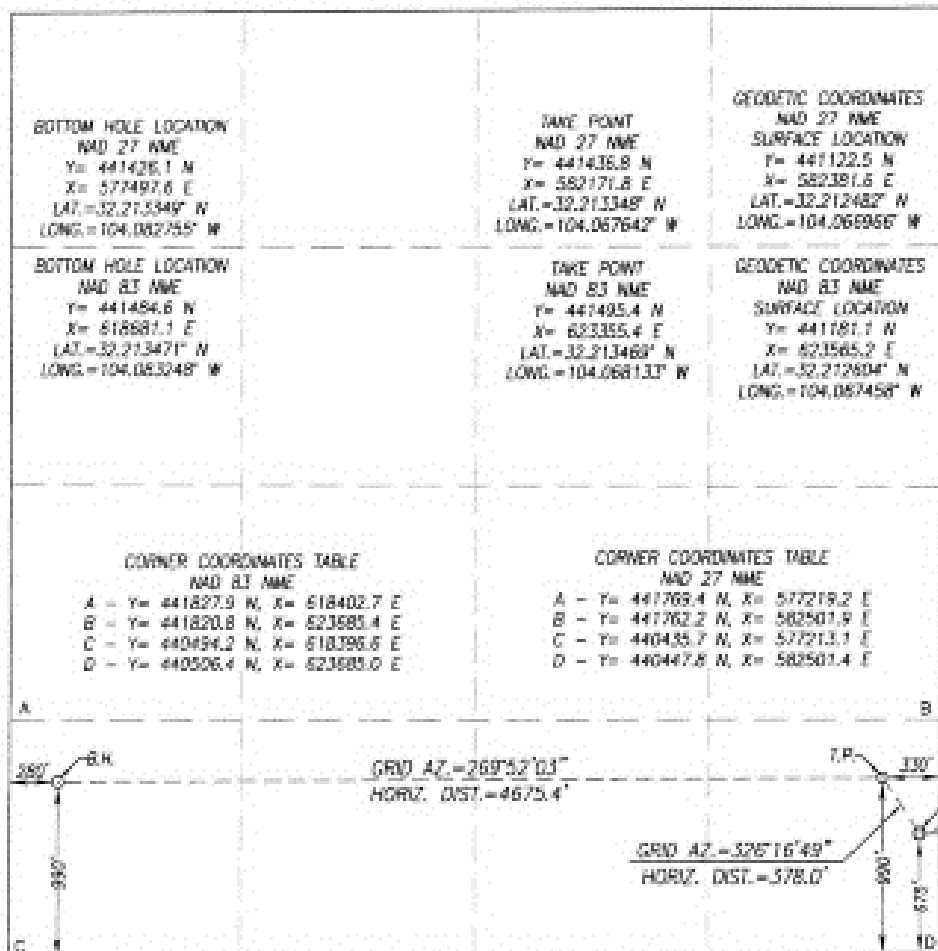
Surface Location

| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 15      | 24-S     | 28-E  |         | 675           | SOUTH            | 120           | 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 |
|-----------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| M               | 15              | 24-S               | 28-E      |         | 990           | SOUTH            | 280           | WEST           | EDDY   |
| Dedicated Acres | Joint or Infill | 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



**OPERATOR CERTIFICATION**  
I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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 an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**SURVEYOR CERTIFICATION**  
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.

NOVEMBER 2, 2016

Date of Survey \_\_\_\_\_  
Signature & Seal of Professional Surveyor: \_\_\_\_\_

**CERTIFICATE NUMBER**  
Gary G. Eldon 12641  
Ronald J. Eldon 3229

ACK JWS: W.O. 10/11/2024

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Form APD Comments

Permit 229823

**PERMIT COMMENTS**

|                                                                                                       |                                  |
|-------------------------------------------------------------------------------------------------------|----------------------------------|
| Operator Name and Address:<br>KAISER-FRANCIS OIL CO [12361]<br>6733 S Yale Ave<br>Tulsa, OK, OK 74136 | API Number:<br>30-015-43991      |
|                                                                                                       | Well:<br>WILLOW LAKE WC 15 #003H |

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

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Form APD Conditions

Permit 229823

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                       |                                  |
|-------------------------------------------------------------------------------------------------------|----------------------------------|
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|                                                                                                       | Well:<br>WILLOW LAKE WC 15 #003H |

| 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          | If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.                                                                                                                                                    |
| 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          | 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          | Operator shall notify appropriate District office when setting conductor pipe.                                                                                                                                                                                       |