

**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  
Revised July 18, 2013  
Permit 172471

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

|  |   |                               |
|--|---|-------------------------------|
| 1. Operator Name and Address<br>CHEVRON U S A INC<br>Attn: Sandy Stedman-Daniel<br>Houston, TX 77252 |   | 2. OGRID Number<br>4323       |
|  |   | 3. API Number<br>30-025-41369 |
| 4. Property Code<br>30022  | 5. Property Name<br>VACUUM GRAYBURG SAN ANDRES UNIT | 6. Well No.<br>113            |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| P        | 1       | 18S      | 34E   | P       | 670       | S        | 175       | E        | LEA    |

**8. Proposed Bottom Hole Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| P        | 1       | 18S      | 34E   | P       | 670       | S        | 175       | E        | Lea    |

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| VACUUM;GRAYBURG-SAN ANDRES | 62180 |
|----------------------------|-------|

**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>3985 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>5300 | 18. Formation<br>San Andres            | 19. Contractor          | 20. Spud Date                      |
| 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 Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 14.75     | 11.75       | 42               | 1500          | 1300            |               |
| Int1 | 11        | 8.625       | 32               | 3200          | 750             |               |
| Prod | 7.875     | 5.5         | 17               | 5300          | 1150            |               |

**Casing/Cement Program: Additional Comments**

SURF:13.6PPG,1.72FT3/SK,8.759GPS MIX WTR, TOC-SURF.INTER-LEAD:12.8PPG 1.97FT3/SK,10.850GPS MIX WTR, TOC-SURF.TAIL:14.2PPG,1.51FT3/SK,7.334GPS MIX WTR, TOC-SURF. PROD-LEAD:13.5PPG,1.27FT3/SK,6.096GPS MIX WTR, TOC- SURF. TAIL:16.00PPG,1.12FT3/SK,3.495GPS MIX WTR. TOC-SURF

**22. Proposed Blowout Prevention Program**

| Type    | Working Pressure | Test Pressure | Manufacturer |
|---------|------------------|---------------|--------------|
| Annular | 3000             | 1500          |              |
| Blind   | 5000             | 3000          |              |
| Pipe    | 5000             | 3000          |              |

|   |  |
|---|--|
| 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 type="checkbox"/> , if applicable.<br>Signature: _____<br>Printed Name: Electronically filed by Denise Pinkerton<br>Title: Regulatory Specialist<br>Email Address: leakejd@chevron.com<br>Date: 8/29/2013      Phone: 432-687-7375 | <b>OIL CONSERVATION DIVISION</b><br>Approved By: Paul Kautz<br>Title: Geologist<br>Approved Date: 8/30/2013      Expiration Date: 8/30/2015<br>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 C-102  
August 1, 2011  
Permit 172471

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |   |  |
|-------------------------------|---|--|
| 1. API Number<br>30-025-41369 | 2. Pool Code<br>62180                               | 3. Pool Name<br>VACUUM;GRAYBURG-SAN ANDRES |
| 4. Property Code<br>30022     | 5. Property Name<br>VACUUM GRAYBURG SAN ANDRES UNIT | 6. Well No.<br>113                         |
| 7. OGRID No.<br>4323          | 8. Operator Name<br>CHEVRON U S A INC               | 9. Elevation<br>3985                       |

**10. Surface Location**

|               |              |                 |              |         |                  |               |                  |               |               |
|---------------|--------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot<br>P | Section<br>1 | Township<br>18S | Range<br>34E | Lot Idn | Feet From<br>670 | N/S Line<br>S | Feet From<br>175 | E/W Line<br>E | County<br>LEA |
|---------------|--------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|

**11. Bottom Hole Location If Different From Surface**

|                              |                     |                        |               |         |           |          |           |          |        |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot                     | Section             | Township               | Range         | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| 12. Dedicated Acres<br>40.00 | 13. Joint or Infill | 14. Consolidation Code | 15. 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**

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| <table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px; background-color: #cccccc;"></td></tr> </table> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By: Denise Pinkerton<br/>Title: Regulatory Specialist<br/>Date: 8/29/2013</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By: RONALD EIDSON<br/>Date of Survey: 7/26/2013<br/>Certificate Number: 3239</p> |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |

## Permit Comments

**Operator:** CHEVRON U S A INC , 4323

**Well:** VACUUM GRAYBURG SAN ANDRES UNIT #113

**API:** 30-025-41369

| Created By | Comment                 | Comment Date |
|------------|-------------------------|--------------|
| DPINKERTON | PLATS WILL BE MAILED IN | 8/29/2013    |
| pkautz     | Land s/S                | 8/29/2013    |

## Permit Conditions of Approval

**Operator:** CHEVRON U S A INC , 4323

**Well:** VACUUM GRAYBURG SAN ANDRES UNIT #113

**API:** 30-025-41369

| OCD<br>Reviewer | Condition  |
|-----------------|--|
| 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          | Surface casing must be set 25' below top of the Rustler Anhydrite, in order to seal off protectable water  |
| DMULL           | Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines  |