

ADEO  
 AIR QUALITY DIVISION  
**APPLICATION FOR PERMIT TO DRILL OR RE-ENTER**  
 APPLICATION TO DRILL  **18 JUN 12 PM 1:36** RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR  
**RANGER DEVELOPMENT LLC**

Address City State Phone Number  
**5001 LBJ Freeway, Suite 300 Dallas TX 75244 (972) 960-3212**

Drilling Contractor **to be determined**

Address

**DESCRIPTION OF WELL AND LEASE**

|   |   |                                   |
|---|---|-----------------------------------|
| Federal, State or Indian Lease Number, or if fee lease, name of lessor<br><b>RANGER</b> | Well number<br><b>27-1 NS</b>   | Elevation (ground)<br><b>5751</b> |
| Nearest distance from proposed location to property or lease line:<br><b>1794</b> feet  | Distance from proposed location to nearest drilling, completed or applied-for well on the same lease:<br><b>P&amp;A #0263</b> <b>221</b> feet |                                   |
| Number of acres in lease<br><b>623.72 (all of Sec. 27; per 1998 survey)</b>             | Number of wells on lease, including this well, completed in or drilling to this reservoir:<br><b>2 (other well is P&amp;A #0263)</b>          |                                   |

If lease purchased with one or more wells drilled, from whom purchased. Name Address  
**Cimarex Energy, 1700 Lincoln St., Suite 3700, Denver CO 80203**

|   |   |  |
|---|---|--|
| Well location (give footage from section lines)<br><b>1794' FSL - 1818' FWL</b> | Section - Township - Range or Block and Survey<br><b>SEC. 27, T-20-N, R-27-E, G &amp; SRM</b> | Definition per A.A.C. R12-7-104(A)(3)<br><b>all 27-20n-27e</b> |
| Field and reservoir (if wildcat, so state)<br><b>Navajo Springs</b>             | County<br><b>APACHE</b>   |  |

Distance in miles and direction from nearest town or post office  
**S 16° W, 6 MILES FROM CHAMBERS, AZ**

|  |  |  |
|--|--|--|
| Proposed depth:<br><b>1061'</b>            | Rotary or cable tools<br><b>Rotary</b>                           | Approximate date work will start<br><b>Upon Approval</b> |
| Bond status<br><b>filed &amp; \$25,000</b> | Organization Report<br>On file <b>Yes</b> Or attached <b>Yes</b> | Filing Fee of \$25.00<br>Attached <b>Yes</b>             |

Remarks **Ranger holds 100% of all adjoining leases. There are no other offset Operators to this well, therefore no other notifications were possible as referred to in R12-7-116 B.3 and B.4. USBLM plat shows Section 27 is not a standard 640 acres.**

**PLATE ID: 171023; API 01-002-20514**

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the: **Consultant** of the **Ranger Development LLC** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Mail completed form to:  
 Oil and Gas Program Administrator  
 Arizona Department of Environmental Quality  
 1110 W. Washington Street  
 Phoenix, AZ 85007

e-mail completed form to: ogcc@azdeq.gov

Signature **[Signature]**  
 Date **5-21-18**

Permit / LTF No.: **1226 / 71564**

Approval Date: **6/13/2018**

Approved By: **B. C. Turner**

NOTICE: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

**STATE OF ARIZONA**  
**OIL & GAS CONSERVATION COMMISSION**  
 Application to Drill or Re-enter  
**File two copies: one by mail, one electronically**

Form No. 3

Ranger holds 100% of all adjoining leases. There are no offset operations.

- Operator shall outline on the plat the acreage dedicated to the well in compliance with A.A.C. R12-7-107.
- A registered surveyor shall show on the plat the location of the well and certify this information in the space provided.
- ALL DISTANCES SHOWN ON THE PLAT MUST BE FROM THE OUTER BOUNDARIES OF THE SECTION.
- Is the operator the only owner in the dedicated acreage outlined on the plat below? YES  NO
- If the answer to question four is no, have the interests of all owners been consolidated by communitization agreement or otherwise?  
YES  NO  If answer is yes, give type of consolidation \_\_\_\_\_
- If the answer to question four is no, list all the owners and their respective interests below: \_\_\_\_\_

| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Owner</th> <th style="width:50%;">Land Description</th> </tr> <tr> <td style="height: 20px;"></td> <td></td> </tr> </table>  | Owner  | Land Description        |       |        | <p style="text-align: center;"><b>CERTIFICATION</b></p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: right;"><i>Brian Wood</i></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Name</td> <td style="text-align: right;">Brian Wood</td> </tr> <tr> <td>Position</td> <td style="text-align: right;">Consultant</td> </tr> <tr> <td>Company</td> <td style="text-align: right;">Ranger Development LLC</td> </tr> <tr> <td>Date</td> <td style="text-align: right;">5-21-18</td> </tr> </table> | Name         | Brian Wood  | Position | Consultant | Company        | Ranger Development LLC | Date         | 5-21-18 |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
|--|--|-------------------------|-------|--------|---|--------------|-------------|----------|------------|----------------|------------------------|--------------|---------|--------|------------------|--------------|------|--------|-------|---|----|-----|----------|---|----------|-------|-------|------|----|------|-----------|-----|-------------|-------|-------|------|----|-------|--------------|----|-------------|----|-----|-----|-------|-------|-----|-----|-----|
| Owner  | Land Description   |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
|  |  |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| Name   | Brian Wood   |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| Position   | Consultant   |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| Company  | Ranger Development LLC   |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| Date   | 5-21-18  |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| <div style="border: 2px solid red; padding: 10px;"> <p style="border: 1px solid red; display: inline-block; padding: 2px;">dedication = all of Section 27</p></div> <p style="text-align: center; margin-top: 20px;"><b>SECTION 27, TOWNSHIP 20 NORTH<br/>RANGE 27 EAST<br/>GILA &amp; SALT RIVER MERIDIAN</b></p> <div style="margin-top: 20px;"> <p>RANGER 27-1 NS<br/>LAT: 35.1017094° N<br/>LONG: 109.4646506° W<br/>NAD 83</p> <p>1818' ←</p> <p>221' ↗</p> <p>EXISTING WELL</p> <p>1794' ↓</p> <p>S 89°38'02" W - 2631.90'</p> <p style="font-size: small;">N 00°20'11" W - 2655.23'</p> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>EXPIRES 6-30-19</b></p> </div> <div style="margin-top: 20px;"> <p>I hereby certify that the well location shown on the 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 knowledge and belief.</p> <p style="text-align: right;">Date Surveyed <b>3-1-18</b></p> <p style="text-align: right;">Registered Land Surveyor<br/><i>Michael C. Lock</i></p> <p style="text-align: right;">Certificate No. <b>61902</b></p> </div> | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="8" style="text-align: center;">PROPOSED CASING PROGRAM</th> </tr> <tr> <th>Size of Casing</th> <th>Weight</th> <th>Grade &amp; Type</th> <th>Top</th> <th>Bottom</th> <th>Cementing Depths</th> <th>Sacks Cement</th> <th>Type</th> </tr> <tr> <td>10.75"</td> <td>32.75</td> <td>B</td> <td>GL</td> <td>20'</td> <td>GL - 20'</td> <td>5</td> <td>redi-mix</td> </tr> <tr> <td>7.00"</td> <td>20.00</td> <td>J-55</td> <td>GL</td> <td>550'</td> <td>GL - 550'</td> <td>175</td> <td>prem. light</td> </tr> <tr> <td>4.50"</td> <td>10.50</td> <td>J-55</td> <td>GL</td> <td>1040'</td> <td>350' - 1040'</td> <td>90</td> <td>prem. light</td> </tr> <tr> <td>OH</td> <td>N/A</td> <td>N/A</td> <td>1040'</td> <td>1061'</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> | PROPOSED CASING PROGRAM |       |        |   |              |             |          |            | Size of Casing | Weight                 | Grade & Type | Top     | Bottom | Cementing Depths | Sacks Cement | Type | 10.75" | 32.75 | B | GL | 20' | GL - 20' | 5 | redi-mix | 7.00" | 20.00 | J-55 | GL | 550' | GL - 550' | 175 | prem. light | 4.50" | 10.50 | J-55 | GL | 1040' | 350' - 1040' | 90 | prem. light | OH | N/A | N/A | 1040' | 1061' | N/A | N/A | N/A |
| PROPOSED CASING PROGRAM  |  |                         |       |        |   |              |             |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| Size of Casing   | Weight   | Grade & Type            | Top   | Bottom | Cementing Depths  | Sacks Cement | Type        |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| 10.75"   | 32.75  | B                       | GL    | 20'    | GL - 20'  | 5            | redi-mix    |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| 7.00"  | 20.00  | J-55                    | GL    | 550'   | GL - 550'   | 175          | prem. light |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| 4.50"  | 10.50  | J-55                    | GL    | 1040'  | 350' - 1040'  | 90           | prem. light |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |
| OH   | N/A  | N/A                     | 1040' | 1061'  | N/A   | N/A          | N/A         |          |            |                |                        |              |         |        |                  |              |      |        |       |   |    |     |          |   |          |       |       |      |    |      |           |     |             |       |       |      |    |       |              |    |             |    |     |     |       |       |     |     |     |

# ARIZONA OIL and GAS CONSERVATION COMMISSION



State of Arizona  
**Oil and Gas Conservation Commission**

1110 W. Washington Street, Phoenix, AZ 85007

602-771-4501

[www.azogcc.az.gov](http://www.azogcc.az.gov)

Dennis L. Turner, Oil and Gas Administrator

Commissioners:

Frank Thorwald, Chair  
Robert L. Wagner, Vice Chair  
Stephen R. Cooper  
William C. Feyerabend  
J. Dale Nations, Ph.D.

**CERTIFICATE for PERMIT to DRILL an  
OIL, GAS, INJECTION or GEOTHERMAL WELL**  
**PERMIT / LTF NUMBER 1226 / LTF #71564**

Has been issued to **Ranger Development L.L.C.**

to drill a well known as **Fee Ranger 27-1 NS**

located **1794 FSL 1818 FWL**

Section **27** Township **20N** Range **27E**, **Apache County, Arizona.**

The entirety of Sec 27, T20N, R27E (640 acres) of said Section, Township and Range is dedicated to this well.

Said well shall be drilled substantially as described in the Application and as approved and restricted by the AOGCC's letter dated **June 13, 2018**. Ranger is subject to terms and conditions of the permit to drill and all applicable Arizona Revised Statutes (A.R.S.) Title 27, Chap. 4, Art. 1 and 4, and the Arizona Administrative Code (A.A.C.) R12-7-104, R12-7-106 to 120 and R12-7-175 to 176.

API No.: 02-001-20514

Issued: June 13, 2018

Expires\*: December 10, 2018

\*The permit to drill expires if operations are not commenced within 180 days from date of this certificate (see A.A.C R12-7-104(D))

Dennis L. Turner, Oil & Gas Program Administrator  
(602)771-4501

**OPERATOR SHALL DISPLAY THIS CERTIFICATE  
IN A CONSPICUOUS PLACE ON-SITE**