

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



OGCC RECEPTION

**Document Number:**  
**1642057**

**EARTHEN PIT REPORT / PERMIT**

This form is to be used for both reporting and permitting pits. Rule 903 describes when a Permit with prior approval, or a Report within 30 days is required for pits. Submit required attachments and forms.

Form Type:  PERMIT  REPORT OGCC PIT NUMBER: 431611

NOTE: Operator to provide OGCC Pit Number only if available on an existing pit for pit report

|   |                             |
|---|-----------------------------|
| OGCC Operator Number: 10338             | Contact Name: TINA TAYLOR   |
| Name of Operator: CARRIZO OIL & GAS INC |                             |
| Address: 500 DALLAS STREET #2300        | Phone: (713) 328-1014       |
| City: HOUSTON State: TX Zip: 77002      | Email: tina.taylor@crzo.net |

**ATTACHMENTS**

|                     |  |
|---------------------|--|
| Detailed Site Plan  |  |
| Design/Cross Sec    |  |
| Topo Map            |  |
| Calculations        |  |
| Sensitive Area Info |  |
| Mud Program         |  |
| Form 2A             |  |
| Form 26             |  |
| Water Analysis      |  |

**Pit Location Information**

|   |  |
|---|--|
| Operator's Pit/Facility Name: ORLANDO HILL                        | Operator's Pit/Facility Number: 26-44-8-61 |
| API Number (associated well): 05-                                 |  |
| OGCC Location ID (associated location): 419688                    | Or Form 2A #                               |
| Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): SE SE-26-8N-61W-6 |  |
| Latitude: 40.627253   | Longitude: -104.167526                     |
| County: WELD  |  |

**Operation Information**

|   |   |
|---|---|
| Pit Use/Type (Check all that apply):  | Pit Type: <input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined  |
| <input checked="" type="checkbox"/> Drilling: (Ancillary, Completion, Flowback, Reserve Pits) | <input type="checkbox"/> Oil-based Mud; <input type="checkbox"/> Salt Sections or High Chloride Mud   |
| <input type="checkbox"/> Production:  | <input type="checkbox"/> Skimming/Settling; <input type="checkbox"/> Produced Water Storage; <input type="checkbox"/> Percolation; <input type="checkbox"/> Evaporation   |
| <input type="checkbox"/> Special Purpose:   | <input type="checkbox"/> Flare; <input type="checkbox"/> Emergency; <input type="checkbox"/> Blowdown; <input type="checkbox"/> Workover; <input type="checkbox"/> Plugging; <input type="checkbox"/> BS&W/Tank Bottoms |
| <input type="checkbox"/> Multi-Well Pit:  | Construction Date: Actual or Planned:   |
| Method of treatment prior to discharge into pit:  |   |
| Offsite disposal of pit contents:   | <input type="checkbox"/> Injection; <input type="checkbox"/> Commercial; <input checked="" type="checkbox"/> Reuse/Recycle; <input type="checkbox"/> NPDES; Permit Number:  |
| Other Information: COGCC Comment: Fresh water pit for completions operations.                 |   |

**Site Conditions**

|   |                           |                  |
|---|---------------------------|------------------|
| Distance (in feet) to the nearest surface water: 2877 | Ground Water (depth): 265 | Water Well: 4050 |
| Is this location in a Sensitive Area? No              | Existing Location?        |                  |

**Pit Design and Construction**

|                               |                   |                  |              |   |
|-------------------------------|-------------------|------------------|--------------|---|
| Size of Pit (in feet):        | Length: 270       | Width: 140       | Depth: 12    | Calculated Working Volume (in barrels): 70269 |
| Flow Rates (in bbl/day):      | Inflow: 0         | Outflow:         | Evaporation: | Percolation:                                  |
| Primary Liner. Type:          | PPL 20            | Thickness (mil): | 20           |   |
| Secondary Liner (if present): | Type:             | Thickness (mil): |              |   |
| Is Pit Fenced? No             | Is Pit Netted? No | Leak Detection?  |              |   |
| Other Information:            |                   |                  |              |   |

Operator Comments:

**Certification**

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: TINA TAYLOR  
Title: REGULATORY COMPLIANCE Email: tina.taylor@crzo.net Date: 08/11/2011

**Approval**

Signed: \_\_\_\_\_



Title: \_\_\_\_\_

Director of Cogcc

Date: \_\_\_\_\_

02/01/2013

**BMP**

| <u>Type</u>                            | <u>Comment</u>  |
|--|---|
| Material Handling and Spill Prevention | Operator will ensure 110 percent containment for any volume of liquids contained at the well site during drilling and completion. Operator will implement best management practices to contain any unintentional release of fluids. |
| Construction                           | Operator has designed the well pad with insloping and a storm water control ditch to prevent storm water run-on/runoff and the release of fluids from the location. See attached Constructed Layout Drawing.                        |
| Material Handling and Spill Prevention | Fresh Water Storage Pit shall contain fresh water only and signage prohibiting the use of the pit for any fluid that does not come from municipal, irrigation or surface water sources.   |
| Material Handling and Spill Prevention | Operator shall not allow any fluids to flow back to the Fresh Water Storage Pit/Pond.   |
| Wildlife                               | The location will be fenced and the fenced area will include the Fresh Water Storage Pit.   |
| Drilling/Completion Operations         | Fresh water for the Fresh Water Storage Pit comes from water provider; water sources permitted for consumable industrial use.   |
| Planning                               | The COGCC to be notified 48 hours prior to construction of the Fresh Water Storage Pit.   |
| Planning                               | A Form 15 Pit Report will be submitted within 30 days of construction of the fresh water storage pit.   |

Total: 8 comment(s)

**CONDITIONS OF APPROVAL:**

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