FORM 15 Rev 10/11

# 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:**
**400398930**

## 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: [X] **PERMIT** [ ] **REPORT** OGCC PIT NUMBER: _____

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

ATTACHMENTS

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

OGCC Operator Number: 100185 Contact Name: Heather Mitchell

Name of Operator: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700 Phone: (720) 876-3070

City DENVER State: CO Zip: 80202-5632 Email: heather.mitchell@encana.com

**Pit Location Information**

Operator's Pit/Facility Name: Hunter Mesa Lower Pond Operator's Pit/Facility Number:

API Number (associated well): 05- 00

OGCC Location ID (associated location): 149011 Or Form 2A # 400394003

Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE-1-7S-93W-6

Latitude: 39.472219 Longitude: -107.717734 County: GARFIELD

**Operation Information**

Pit Use/Type (Check all that apply): Pit Type: [X] Lined [ ] Unlined

[ ] Drilling: (Ancillary, Completion, Flowback, Reserve Pits) [ ] Oil-based Mud; [ ] Salt Sections or High Chloride Mud

[ ] Production: [ ] Skimming/Settling; [ ] Produced Water Storage; [ ] Percolation; [ ] Evaporation

[ ] Special Purpose: [ ] Flare; [ ] Emergency; [ ] Blowdown; [ ] Workover; [ ] Plugging; [ ] BS&W/Tank Bottoms

[X] Multi-Well Pit: Construction Date: 07/01/2014 Actual or Planned: Planned

Method of treatment prior to discharge into pit: Filter at pad, DAf at facility

Offsite disposal of pit contents: [X] Injection; [ ] Commercial; [X] Reuse/Recycle; [ ] NPDES; Permit Number:

Other Information: Pit will be covered

**Site Conditions**

Distance (in feet) to the nearest surface water: 2040 Ground Water (depth): 60 Water Well: 1010

Is this location in a Sensitive Area? No Existing Location?

**Pit Design and Construction**

Size of Pit (in feet): Length: 750 Width: 120 Depth: 22 Calculated Working Volume (in barrels): 200000

Flow Rates (in bbl/day): Inflow: 15000 Outflow: 40000 Evaporation: 0 Percolation: 0

Primary Liner. Type: HDPE Thickness (mil): 60

Seconday Liner (if present): Type: HDPE Thickness (mil): 60

Is Pit Fenced? Yes Is Pit Netted? Yes Leak Detection? Yes

Other Information: Encana does not intend to build this pad in 2013. However, it is in the future plans of this facility, prior to any construction, PE Stamped drawings will be submitted to the COGCC

| | |
|---|---|
| Operator Comments: | This pit is not in the 2013 plans, however, it is planned in the future. |

**Certification**

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

| | | | | | |
|---|---|---|---|---|---|
| Signed: | | Print Name: | Heather Mitchell | | |
| Title: | Regulatory Analyst | Email: | heather.mitchell@encana.com | Date: | |

**Approval**

| | | | | | |
|---|---|---|---|---|---|
| Signed: | | Title: | Director of Cogcc | Date: | |

## BMP

| Type | Comment |
|---|---|
| Wildlife | Wildlife BMPs<br>Minimize the number, length and footprint of oil & gas development roads<br>Use existing routes where possible<br>Combine utility infrastructure planning (gas, electric & water) when possible with roadway planning to avoid separate utility corridors<br>Coordinate Employee transport when possible<br><br>Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.<br><br>Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.<br><br>Pits will be covered |
| Construction | PRECONSTRUCTION<br>Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction<br><br>CONSTRUCTION/RECLAMATION<br>(Not all are used all the time)<br>Terminal Containment, Diversions, Run-On Protection, Tracking, Benching, Terracing, ECM (Erosion Control Mulch), ECB (Erosion Control Blanket), Check Dams, Seeding, Mulching, Water Bars, Stabilized Unpaved Surfaces (Gravel), Stormwater & Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet & outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's<br><br>POST CONSTRUCTION/RECLAMATION<br>Maintenance<br>Revegetation Monitoring<br>BMP maintenance & monitoring<br>Weed Management |

Total: 2 comment(s)

**CONDITIONS OF APPROVAL:**