



02222702

FORM 27 Rev 6/99

State of Colorado Oil and Gas Conservation Commission



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

#6827

FOR OGCC USE ONLY RECEIVED 2/7/2012 OGCC Employee: [ ] Spill [ ] Complaint [ ] Inspection [ ] NOAV Tracking No:

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

[ ] Spill or Release [ ] Plug & Abandon [ ] Central Facility Closure [x] Site/Facility Closure [ ] Other (describe): Pit #427596

OGCC Operator Number: 100185 Name of Operator: Encana Oil & Gas (USA) Inc. Address: 3601 Stagecoach Road North City: Longmont State: CO Zip: 80504 Contact Name and Telephone: Matthew Harrison No: 303-774-3962 Fax: 303-774-3913 API Number: 05-123-12529 County: Weld Facility Name: Bickler Tank Battery Facility Number: Well Name: Bickler Well Number: 1 Location: (QtrQtr, Sec, Twp, Rng, Meridian): SWNW, 34, 1N, 68W, 6 Latitude: 40.009021 Longitude: -104.996112

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Produced Water Site Conditions: Is location within a sensitive area (according to Rule 901e)? [ ] Y [x] N If yes, attach evaluation. Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Residential Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Ascalon-Otero complex, 3 to 5 percent slopes Potential receptors (water wells within 1/4 mi, surface waters, etc.): 2 household water wells: 250' NW and 1,110' SE Description of Impact (if previously provided, refer to that form or document): Impacted Media (check): [x] Soils [ ] Vegetation [ ] Groundwater [ ] Surface Water Extent of Impact: 32' x 85' x 18.5' How Determined: Excavation / p. 7 closure

REMEDIALTION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document): Produced water pit was removed and replaced. Pit #427596. Describe how source is to be removed: Impacted soil was removed via excavation. Confirmation soil samples were collected from the excavation floor and sidewalls to ensure impacted soil above state standards had been removed. Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.: After excavation, impacted soil was transported and disposed of accordingly at Denver Regional Landfill in Erie, Colorado.



Tracking Number: \_\_\_\_\_  
Name of Operator: Encana Oil & Gas (USA) Inc.  
OGCC Operator No: 100185  
Received Date: \_\_\_\_\_  
Well Name & No: Bickler #1  
Facility Name & No: Bickler Tank Battery

Page 2  
**REMEDIATION WORKPLAN (Cont.)**

OGCC Employee: \_\_\_\_\_

**If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):**

No groundwater was encountered during remediation activities.

**Describe reclamation plan.** Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

After excavation, clean fill dirt was brought in to backfill and the natural topography was restored.

**Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.**

**Is further site investigation required?**  Y  N If yes, describe:

See attached remediation activity summary report.

**Final disposition of E&P waste** (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

Excavated impacted soil was transported and disposed of accordingly at the Denver Regional Landfill in Erie, Colorado.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: \_\_\_\_\_ Date Site Investigation Completed: \_\_\_\_\_ Date Remediation Plan Submitted: \_\_\_\_\_  
Remediation Start Date: 11/23/11 Anticipated Completion Date: \_\_\_\_\_ Actual Completion Date: 11/29/11

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

Print Name: Matthew Harrison Signed: \_\_\_\_\_

Title: Environmental Coordinator - DJ Basin Date: \_\_\_\_\_

OGCC Approved: **Robert H. Chesson** Digitally signed by Robert H. Chesson Title: EPS Date: 2/7/12  
DN: cn=Robert H. Chesson  
o=COGCC, ou,  
email=robert.chesson@state.co.us,  
c=US  
Date: 2012.02.07 15:18:08 -0700'