

State of Colorado  
Oil and Gas Conservation Commission

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



#7986

FOR OGCC USE ONLY

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 ☒ Site/Facility Closure ☐ Other (describe):

OGCC Employee:  
☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV  
Tracking No:

OGCC Operator Number: 66571	Contact Name and Telephone:
Name of Operator: OXY USA WTP LP	Daniel Padilla
Address: 760 Horizon Drive, Suite 101	No: 970.263.3637
City: Grand Junction State: CO Zip: 81506	Fax: 970.263.3694
API Number: 414640 (Facility ID Number)	County: Garfield
Facility Name: 797-06-07 E&P Pit	Facility Number: 335480
Well Name:	Well Number:
Location: (QtrQtr, Sec, Twp, Rng, Meridian): NENE, Section 6, T7S, R97W, 6th PM Latitude: 39.480606 Longitude: -108.254749	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Not applicable

Site Conditions: Is location within a sensitive area (according to Rule 901e)? ☐ Y ☒ N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Happle-Rock Outcrop

Potential receptors (water wells within 1/4 mi, surface waters, etc.): The nearest intermittent stream is approximately 355' feet south, the nearest surface water is approximately 0.29 miles east, and the nearest water well is approximately 0.55 miles southeast

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input type="checkbox"/> Soils	Not applicable/None	Laboratory analytical data
<input type="checkbox"/> Vegetation	Not applicable/None	Visual
<input type="checkbox"/> Groundwater	Not applicable/None	Laboratory analytical data
<input type="checkbox"/> Surface Water	Not applicable/None	Laboratory analytical data

REMEDIALTION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Please reference document number 2231409 (pit extension variance request). As part of the approved variance request, Oxy is providing this Form 27 to initiate closure of the lined E&P pit for COGCC review and approval.

Describe how source is to be removed:

All liquids will be removed from the E&P pit (pit) and reintroduced into Oxy's water handling system or properly disposed of at one of Oxy's salt-water disposal (SWD) wells. Oxy will then remove the pit contents to be staged on location for mixing and stabilization with native material to allow for sampling and in pit disposal. Oxy will then remove the liner for proper off-site disposal at a commercial disposal facility located in Utah. Oxy will collect samples of the pit bottom and mixed pit contents to ensure compliance with COGCC Table 910-1 prior to final closure of the pit.

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.:

See above for disposal and removal. Oxy will collect confirmation samples of the pit bottom and mixed pit contents to ensure compliance with COGCC Table 910-1 standards prior to backfilling the pit to the active working surface of the pad.

FORM  
27  
Rev 6/99

State of Colorado  
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Tracking Number: \_\_\_\_\_  
Name of Operator: \_\_\_\_\_  
OGCC Operator No: \_\_\_\_\_  
Received Date: \_\_\_\_\_  
Well Name & No: \_\_\_\_\_  
Facility Name & No: \_\_\_\_\_

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**REMEDIATION WORKPLAN (Cont.)**

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

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

Oxy will inspect below the pit liner to ensure groundwater is not encountered during the reclamation of the pit. All E&P waste will be handled accordingly and below liner pit bottom samples will be collected to ensure impacts were not encountered during the use of the pit.

**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.

Oxy will backfill the pit to the grade of the active working surface of the well pad. Additionally, Oxy is planning to complete interim reclamation of the well pad to decrease the pad foot print. Final reclamation will be initiated at the end of the life of the well pad. During final reclamation, Oxy will recontour the footprint of the pit and reseed with a native seed mix to ensure successful reclamation.

**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:

Following COGCC approval, Oxy will begin site assessment and reclamation of the pit. Oxy will follow up with a final Form 27 summarizing activities conducted, final disposition of E&P waste, and pit reclamation efforts.

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

All fluids will be removed and absorbed into Oxy's water handling system or disposed of into one of their SWD wells and the liner will be removed and disposed at an off-site commercial disposal facility in Utah. Oxy will mix the pit contents with native soil for stabilization. Oxy will collect confirmation samples of the pit bottom and mixed pit contents to ensure compliance with COGCC Table 910-1 standards prior to backfilling the pit to the active working surface of the pad.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: <u>5/9/2013</u>	Date Site Investigation Completed: <u>Pending</u>	Date Remediation Plan Submitted: <u>5/10/2013</u>
Remediation Start Date: <u>Pending</u>	Anticipated Completion Date: <u>July 2013</u>	Actual Completion Date: <u>Pending</u>

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

Print Name: Daniel Padilla

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

Title: Regulatory Advisor

Date: 5/15/13

OGCC Approved: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_