

State of Colorado  
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY

#7315

RECEIVED  
2/8/2013

**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): Pit Closure Request/Site Update

OGCC Employee:

☐ Spill ☐ Complaint  
☐ Inspection ☐ NOAV

Tracking No:

**GENERAL INFORMATION**

<b>OGCC Operator Number:</b> 95620 Name of Operator: Western Operating Company Address: 518 17th Street, Suite 200 City: Denver State: CO Zip: 80202		Contact Name and Telephone <b>Name:</b> Steven James No: (303) 893-2438 Fax:	
API/Facility No: 05-075-05841 Facility Name: Nelson A-6 Well Name: Nelson		County: Logan Facility Number: 219024 Well Number: A-6	
Location (QtrQtr, Sec, Twp, Rng, Meridian): NWNW Sec 17 T8N R54W 6th PM Latitude: Longitude:			

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc.): Crude Oil and Produced Water

**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.): Open Pasture

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Argiustolls-Rock outcrop complex, 1 to 9 percent slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface water is located 855' northwest of the site; a building is located 2,510' northwest of the site; a water well is located 3,315' north of the site; and depth to groundwater is estimated to be 22' below ground surface.

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

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	Within Oil Skim Pit and Stressed Vegetation Area	Soil Sampling and Visual Delineation of Stressed Vegetation
<input type="checkbox"/> Vegetation		
<input type="checkbox"/> Groundwater		
<input type="checkbox"/> Surface water		

**REMEDIALATION WORKPLAN**

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

Previous activities were presented on a Form 27 submitted 8/6/2012 (Remediation #7315).

Describe how source is to be removed:

See attached summary report for details on the remediation activities.

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.:

Approximately 70 cubic yards of impacted soil are stockpiled on-site and will be removed and disposed of at a licensed disposal facility. Remediation of salt-impacted areas was conducted on December 14, 2012, and is discussed in greater detail in the attached Nelson A-6 Soil Remediation Concept Plan.



**REMEDIATION WORKPLAN (CONT.)**

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

Tracking Number: \_\_\_\_\_  
Name of Operator: Western Operating Company  
OGCC Operator No: 95620  
Received Date: \_\_\_\_\_  
Well Name & No: Nelson A-6  
Facility Name & No.: Nelson A-6

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

Groundwater is estimated to be at a depth of at least 22 feet at the site. No groundwater was encountered during excavation activities at the site.

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.

The oil skim pit will be backfilled, reclaimed to previous grade, and reseeded. The salt impacted area was remediated and reseeded on December 14, 2012.

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:

Laboratory analytical results are summarized in the attached summary report. Figure 2 illustrates the location of the composite soil samples collected.

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

Approximately 70 cubic yards of impacted soil are stockpiled on-site and will be removed and disposed of at a licensed disposal facility. Remediation of the salt-impacted area was conducted on December 14, 2012, and is discussed in greater detail in the attached Nelson A-6 Soil Remediation Concept Plan.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began:	<u>TBD</u>	Date Site Investigation Completed:	<u>TBD</u>	Remediation Plan Submitted:	<u>2/8/2013</u>
Remediation Start Date:	<u>TBD</u>	Anticipated Completion Date:	<u>NA</u>	Actual Completion Date:	<u>TBD</u>

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

Print Name: Steven James

Signed: [Signature] Title: President Date: 2/8/2013

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