

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



FOR OGCC USE ONLY

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

**SITE INVESTIGATION AND REMEDIATION WORKPLAN**

Date received  
6/26/2014  
REM # 8566  
Doc #1733688

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.

Inspection  NOAV  
Tracking No: \_\_\_\_\_

**CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED**

Spill or Release  Plug & Abandon  Central Facility Closure  Site/Facility Closure  Other (describe): \_\_\_\_\_

OGCC Operator Number: <u>16700</u>	Contact Name and Telephone: <u>Marcelo Barberis</u>
Name of Operator: <u>Chevron USA, Inc.</u>	No: <u>Cell: 832.693.1679 Office: 713.372.0289</u>
Address: <u>760 Horizon Drive</u>	Fax: <u>NA</u>
City: <u>Grand Junction</u> State: <u>CO</u> Zip: <u>81506</u>	
API Number: <u>N/A</u> County: <u>Rio Blanco</u>	
Facility Name: <u>Emergency Pit - Rangely Weber Station 18</u> Facility Number: <u>102562</u>	
Well Name: <u>N/A</u> Well Number: <u>N/A</u>	
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NWNW 32 2N 102W</u> Latitude: <u>40.104093</u> Longitude: <u>-108.874675</u>	

**TECHNICAL CONDITIONS**

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): emergency pressure relief from adjacent collection station

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.): Dry land farming

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: \_\_\_\_\_

Potential receptors (water wells within 1/4 mi, surface waters, etc.): None

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	<u>Hydrocarbon Impacts to approximately 5 feet below pit bottom</u>	<u>Comparison to similar remediated pit</u>
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface Water	_____	_____

**REMEDIATION WORKPLAN**

Describe initial action taken (if previously provided, refer to that form or document):  
**No initial action taken, this action is part of voluntary pit closure actions.**

Describe how source is to be removed:  
Excess liquid to be removed with a vacuum truck. All visually identified highly impacted material will be removed by excavating the material from the pit. Clean borrow material will be imported from either an off-site source or from a nearby Chevron-owned property. The remaining material will be mixed with the clean imported borrow material within the pit concurrent with collection of confirmation samples. Confirmation samples from the mixed material and the pit walls and bottom will be collected to ensure that the soil does not exceed COGCC regulatory requirements summarized in Table 910-1. All sample locations from the pit walls and bottom will be surveyed using a global positioning system (GPS) device. If impacted material is still present at a depth equal to the limits of safe excavation (approximately 20 feet bgs), COGCC will be notified for a possible site inspection and to discuss potential options for an alternative path forward.

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.:  
Excess liquids removed by vacuum truck will be recycled at the Chevron-operated water treatment facility. Highly impacted soil will be loaded and transported by truck to Chevron-operated landfarm in Rangely CO. Residually impacted material will be mixed with clean imported borrow material at a minimum ratio of 3:1 borrow material to pit material.

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



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

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 will be impacted.

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.  
All fencing, netting, and surrounding piping will be removed prior to impacted soil excavation. Following impacted soil excavation, soil disposal, and confirmation sampling, the excavation will be backfilled and wheel compacted with clean imported soil and existing clean berm material. At least 3 feet of clean import material will be placed and compacted as a final backfill layer in the excavation. The area will be graded to match existing contours and drainage at the plant. A final layer of aggregate will be placed to match the existing adjacent material. All storm water controls will be removed following final grading.

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:  
N/A

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):  
Proposed waste disposition will be at the Chevron-operated Landfarm in Rangely, CO or a local disposal facility.

**IMPLEMENTATION SCHEDULE**

Date Site Investigation Began: \_\_\_\_\_ Date Site Investigation Completed: \_\_\_\_\_ Date Remediation Plan Submitted: \_\_\_\_\_  
Remediation Start Date: 7/14/14 Anticipated Completion Date: 10/24/14 Actual Completion Date: \_\_\_\_\_

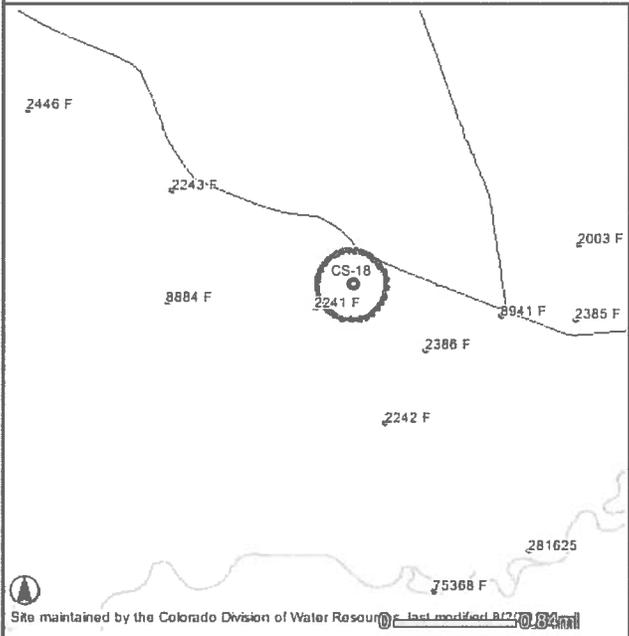
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.  
Print Name: Marcelo Barberis Signed: [Signature]  
Title: ERC - Project Mgr Date: 6/30/14

OGCC Approved: [Signature] Title: EPS I Date: 7/15/14

SEE COA'S ON DATA entered Rem #

CDSS Viewer Map

CS - 18



- Legend**
- Well Apps by Permit Number
  - Main Lakes and Reservoirs
  - Main Rivers
  - Highways
  - A10
  - A11
  - A15
  - A20
  - A21
  - Other
  - Cities