

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

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received 05/08/2014
Project 8445
Remediation 200405648
Pit facility 113609

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.

OGCC Employee:

Spill Complaint
 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>10084</u>	Contact Name and Telephone: _____
Name of Operator: <u>Pioneer Natural Resources USA, Inc.</u>	<u>David Castro</u>
Address: <u>1401 17th Street, Suite 1200</u>	No: <u>303-298-8100</u>
City: <u>Denver</u> State: <u>CO</u> Zip: <u>80202</u>	Fax: <u>303-298-7800</u>

API Number: <u>05-071-06615</u>	County: <u>Las Animas</u>
Facility Name: <u>Tamburelli Storage Pond</u>	Facility Number: <u>113609</u>
Well Name: <u>Tamburelli</u>	Well Number: <u>33-3</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SESE Sec. 3, T33S, R65W, 6th P.M.</u> Latitude: <u>37.19578</u> Longitude: <u>-104.65561</u>	

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 N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Submitted on 2a

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

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Nearest permitted water well - 2285' (if SEO point is accurate)

Nearest surface water - 1230' (if live water is present)

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>to be determined</u>	<u>proposed soil sampling</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):

Produced water from this well was being stored in this offsite pond. The water was diverted to a CDPS permitted surface discharge outfall.

Describe how source is to be removed:

Produced water was pumped from the pond.

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.:

Produced water may be surface discharged under a CDPS permit, disposed of in a Class II UIC injection well, or utilized for dust suppression.



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.):

It is not expected that produced water stored in this pond communicated with nor affected groundwater.

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 need for reclamation is dependent on the results of the proposed site investigation plan below.

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 diagram submitted with this Form 27 for visual reference. Pioneer proposes to collect 9 samples within the affected seep areas, where the red circles indicate. Native samples will be collected from 4 locations surrounding the general pond area, where the yellow circles indicate. All 13 samples will be lab tested for our usual "pit bottom" suite of constituents. All soil sample results and their GPS locations will be submitted to COGCC for review.

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

Produced water may be surface discharged under a CDPS permit, disposed of in a Class II UIC injection well, or utilized for dust suppression.

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: upon approval Date Site Investigation Completed: in progress Date Remediation Plan Submitted: 5/8/2014 Remediation Start Date: pending Anticipated Completion Date: 3rd Qtr 2014 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: David Castro Signed: [Signature] Title: Environmental Specialist Date: 5/8/14

OGCC Approved: _____ Title: _____ Date: _____

Sampling and analysis to be conducted and results evalated and submitted. submit a plan for possible actions if needed subsequent to sampling