

State of Colorado
Oil and Gas Conservation Commission

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Project 7545
Remediation 200374965
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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: 10084

Name of Operator: Pioneer Natural Resources USA, Inc.

Address: 1401 17th Street, Suite 1200

City: Denver State: CO Zip: 80202

Contact Name and Telephone:

David Castro

No: 303-298-8100

Fax: 303-298-7800

API Number: 05-071-07706

County: Las Animas

Facility Name: Del Agua 44-2 WD pit

Facility Number: 282347

Well Name: Del Agua WD

Well Number: 44-2

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SESE, Sec. 2, T32S, R66W, 6th P.M. Latitude: 37.28105 Longitude: -104.74437

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 - 3110' (is SEO point is correct)

Nearest surface water - 395' (if live water is present)

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

Impacted Media (check):



Soils

Extent of Impact:

soil within the pit

How Determined:

unlined pit



Vegetation

N/A



Groundwater

N/A



Surface Water

N/A

REMEDIATION WORKPLAN

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

This Class II UIC injection well is to be P&A.

Describe how source is to be removed:

This well is no longer injecting.

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 that was injected at this well may be surface discharged under a CDPS permit, disposed of in another Class II UIC injection well, or utilized for dust suppression.



REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

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

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 injected via this Class II UIC injection well affected shallow groundwater aquifers.

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 landowner has requested when reclaiming the location that the emergency overflow pit be left in place for stormwater collection, livestock watering, and wildlife watering A Form 4 Sundry with signed landowner letter has also been submitted along with this Form 27. Pioneer plans to remediate the top ft of the pit bottom with 50% native soil. should topsoil exist, it will be laid on top. Pioneer also plans to recontour the pit to more gentle slopes to allow safe entry and exit for wildlife and livestock.

Request for variance of final reclamation rules need to leave depression

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:

No impact to the surrounding environment occurred from the use of this pit.

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

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

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: _____ Date Site Investigation Completed: 2/2013 Date Remediation Plan Submitted: 2/13/13
Remediation Start Date: immediate Anticipated Completion Date: 4th Qtr 2012 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: _____

Title: Environmental Specialist

Date: 2/13/13

David Castro

Digitally signed by David Castro
DN: cn=David Castro, o=Pioneer Natural
Resources USA, Inc., ou,
email=david.castro@pxd.com, c=US
Date: 2013.02.13 11:21:06 -0700

OGCC Approved: _____ Title: _____ Date: _____