

State of Colorado
Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

received 07/30/2015
Project 9194
Remediation 200436263
Pit Facility 293750

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): Production Pit Closure

OGCC Operator Number: <u>100264</u>	Contact Name and Telephone: <u>Irwin Trujillo</u>
Name of Operator: <u>XTO Energy Inc.</u>	No: <u>719 846.0272</u>
Address: <u>382 Road 3100</u>	Fax: <u>719 845.0108</u>
City: <u>Aztec</u> State: <u>NM</u> Zip: <u>87410</u>	

API Number: <u>05-071-09325</u>	County: <u>Las Animas</u>
Facility Name: _____	Facility Number: <u>293750</u>
Well Name: <u>Apache Canyon</u>	Well Number: <u>35-12</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>NW/SW, 35, 33S, 67W, 6th PM</u>	Latitude: <u>37.12591</u> Longitude: <u>104.8622</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.): Non Crop Land Rangeland/Timber

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Lorencito/Sarcillo

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Surface Water - 767' Groundwater - 40'
Domestic water well - 4630'

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>Minimal</u>	<u>Estimate</u>
<input type="checkbox"/> Vegetation	<u>N/A</u>	
<input type="checkbox"/> Groundwater	<u>N/A</u>	
<input type="checkbox"/> Surface Water	<u>N/A</u>	

REMEDIATION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):
No initial action has been taken.

Describe how source is to be removed:
N/A

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.:
Bottom of pit will be ripped up and soil will be added.



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

REMEDIATION WORKPLAN (Cont.)

OGCC Employee: _____

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

N/A

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 production pit will be backfilled and contoured accordingly.

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:

Comparative composite samples of the pit and perimeter are included for review.

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

N/A

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 06/25/2015 Date Site Investigation Completed: 07/17/2015 Date Remediation Plan Submitted: 7/29/2015
Remediation Start Date: Contingent on COGCC Approval Anticipated Completion Date: Contingent on COGCC Approval 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: Irwin Trujillo

Signed: Irwin Trujillo

Digitally signed by Irwin Trujillo
DN: cn=Irwin Trujillo, o=OGCC Energy, ou, email=irwin_trujillo@ogccenergy.com, c=US
Date: 2014.10.21 15:21:53 -0600

Title: EH&S Supervisor

Date: 7/29/2015

OGCC Approved: _____ Title: _____ Date: _____

Notify COGCC when closure process is completed.

METALS

Analytical results demonstrate that background concentrations of arsenic (As) exceed Table 910-1 concentration levels. Analytical results demonstrate that concentrations of As in soils in the pit also exceed Table 910-1 concentration levels and the pit concentrations are less than or within analytical uncertainty of being equal to the background concentrations. The analytical results are summarized below:

METAL	BACKGROUND CONCENTRATION (MG/KG)	PIT CONTENTS, SOIL/BEDROCK BELOW PIT OR IMPACTED MEDIA (MG/KG)	TABLE 901-1 CONCENTRATION LEVELS (MG/KG)
Arsenic	3.04-7.75	3.21	0.39

COGCC and CDPHE have consulted and agree that operators do not need to request variances from CDPHE for instances where the concentrations of metals in impacted soils are equal to or less than background concentrations, but do not meet Table 910-1 concentration values. Operators must ensure that remaining pit contents are covered with a minimum of 3 feet of backfill and soil. The soil horizons must be replaced in their original relative position, and reclaimed in accordance with 1000 Series Rules.