

State of Colorado
Oil and Gas Conservation Commission

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



#8121

FOR OGCC USE ONLY

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): Pit Closure

OGCC Operator Number: 100264

Name of Operator: XTO Energy Inc.

Address: PO Box 6501

City: Englewood State: CO Zip: 80155

Contact Name and Telephone:

Jessica Dooling

No: 970-675-4122

Fax: 970-675-4150

API Number: 05-103-11232

County: Rio Blanco

Facility Name: Freedom Unit

Facility Number: 295548 Drilling Pit

Well Name: Freedom Unit

Well Number: 197-23A

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SESE, Sec. 23, T1S, R97W, 6th P.M. Latitude: 39.945556 Longitude: -108.241678

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): None (Please see below)

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

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Piceance fine sandy loam, 5 to 15% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): Nearest surface water is ~1800' (Bear Gulch). Nearest well is >1 mile.

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

Impacted Media (check):

- ☒ Soils
☐ Vegetation
☐ Groundwater
☐ Surface Water

Extent of Impact:

Abbreviated analyte list (TPH & BTEX)

How Determined:

laboratory analysis

REMEDIALATION WORKPLAN

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

No initial action taken, the location was constructed and never drilled.

Describe how source is to be removed:

NA

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.:

XTO is planning to close the pits on this location, the location was constructed and never drilled. Soil samples will be collected from each of the pit bottoms and sampled for an abbreviated analyte list (TPH & BTEX) to ensure COGCC Table 910-1 compliance. If impacts are discovered, XTO will notify COGCC as required by Rule 905.c to establish a path forward for remediation.



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

Page 2
REMEDIAL WORKPLAN (Cont.)

OGCC Employee: _____

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

Available information indicates that the uppermost groundwater bearing zone is greater than 100 feet below the bottom of the pits. Soil samples will be collected for laboratory analysis (abbreviated analyte list; TPH & BTEX) to confirm no groundwater impact potential exists.

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 pits will be backfilled with clean fill material in accordance with COGCC 900 & 1000 series rules.

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:

If impacts are discovered, XTO will notify COGCC as required by Rule 905.c to establish a path forward for remediation.

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

NA

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 11/21/13	Date Site Investigation Completed: in progress	Date Remediation Plan Submitted: 11/27/2013
Remediation Start Date: pending approval	Anticipated Completion Date: pending approval	Actual Completion Date: TBD

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

Print Name: Jessica Dooling

Signed: _____

Title: Piceance EH&S Supervisor

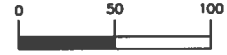
Date: 11/27/2013

OGCC Approved: _____

For Carlos A. Lujan Title: Environmental Protection Specialist Date: 12/18/2013
PhD

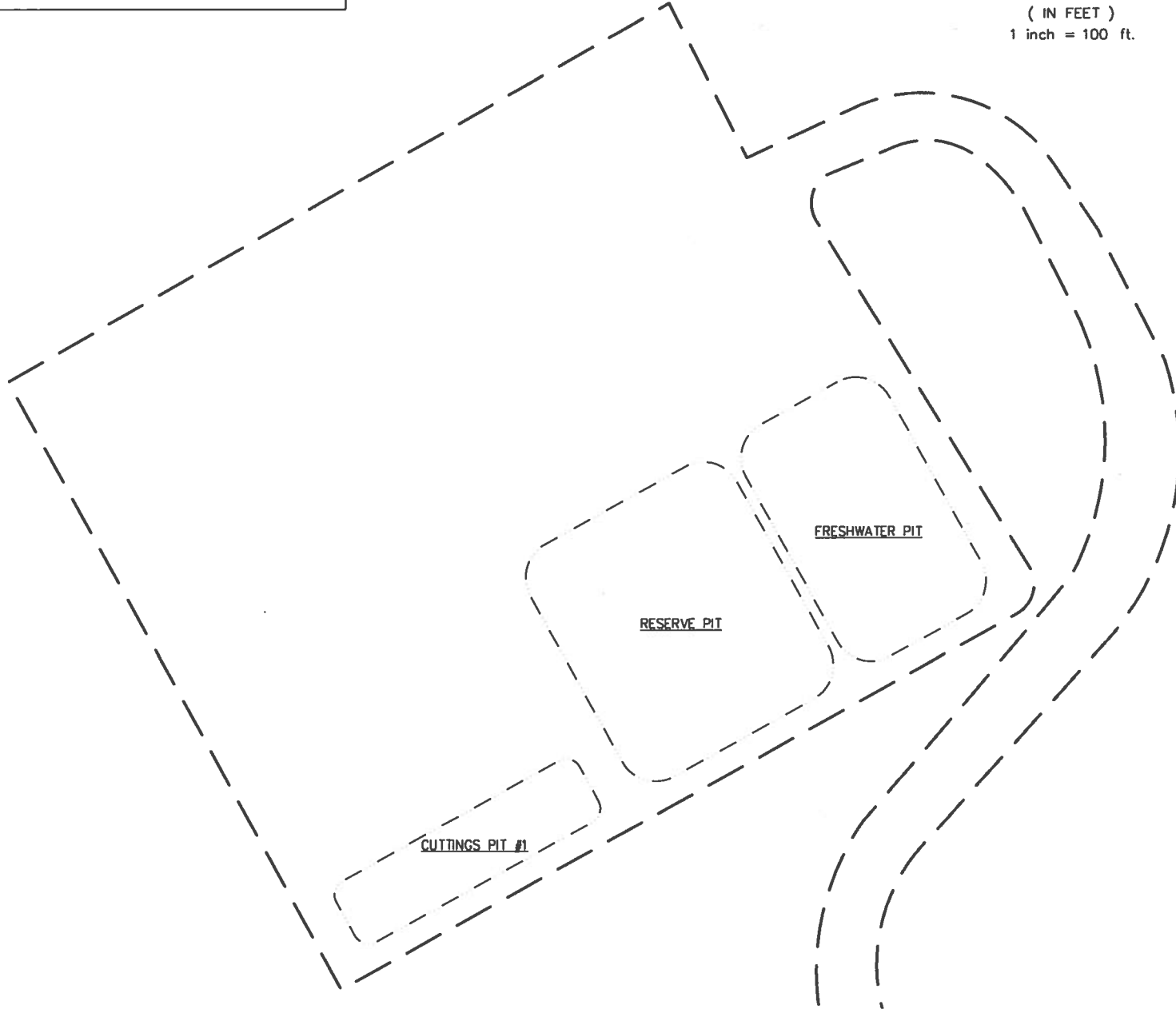
LEGEND	
---	EDGE OF PAD
---	TOP OF PIT

GRAPHIC SCALE



(IN FEET)

1 inch = 100 ft.



CHECKED:	FIGURE	DATE	REVISIONS
JH	1		
DRAWN:			
3 ORF			
	SHEET NO.		
	1 of 1		
	SCALE:		
	1" = 100'		

FIGURE 1
 PICEANCE CREEK
 FRU 197-23A
 SAMPLE LOCATIONS MAP
 WITH ARSENIC LEVELS
 PREPARED FOR XTO ENERGY

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