

State of Colorado Oil and Gas Conservation Commission

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



Table with 4 columns labeled DE, E7, OK, E1

SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations describe in full on Technical Information Page (Page 2 of this form) identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b)

Form with 11 numbered sections for operator and well information, including contact name, address, API number, and well details.

General Notice

Large form section containing checkboxes for 'CHANGE OF LOCATION', 'CHANGE SPACING UNIT', 'CHANGE OF OPERATOR', 'ABANDONED LOCATION', 'SPUD DATE', 'SUBSEQUENT REPORT OF STAGE', and 'RECLAMATION'.

Technical Engineering/Environmental Notice

Form section with checkboxes for 'Notice of Intent' and 'Report of Work Done'.

Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)

Form section with checkboxes for various work details like 'Intent to Recomplete', 'Change Drilling Plans', 'Request to Vent or Flare', etc.

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

Signed: Dolena Johnson, Date: 05/07/2012, Email: djo_johnson@xtoenergy.com, Print Name: DOLENA JOHNSON, Title: Regulatory Compliance Technician

COGCC Approved: Chris Canfield, Title: FOR, Date: 05/11/2012, CONDITIONS OF APPROVAL, IF ANY:

Handwritten notes: Pit closure OK, NFA letters sent to operator.

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- | | | | |
|--|----------------------------------|-----------------------|-----------------|
| 1. OGCC Operator Number: | 100264 | API Number: | 05-103-11255-00 |
| 2. Name of Operator: | XTO Energy Inc. | OGCC Facility ID # | |
| 3. Well/Facility Name: | Freedom Unit | Well/Facility Number: | 297-20A |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | SE/NE, Sec.20, T2S, R97W, 6th PM | | |

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

XTO Energy inc. completed closing the Freshwater Pit, Reserve Pit and Cuttings Pit associated with this well, REM #6916 / DOC #2223366, on 04/11/2012. XTO is requesting NFA for Pit Closure of this locaiton.

Please see attached cover letter, Form 27, Table 1 & 2 and the completed pit closure photos.



May 7, 2012

Mr. Chris Canfield
Colorado Oil and Gas Conservation Commission
Environmental Protection Specialist
Northwest Region
Rifle, CO 81650

Re: Notification of Completion of Pit Closure
FRU 297-20A, API #05-103-11255
Remediation Number 6916/Document # 2223366

Dear Mr. Canfield,

XTO Energy Inc. (XTO) completed closing the Freshwater, Reserve and Cuttings Pit associated with the FRU 297-20A well, Rem #6916, Doc # 2223366, on April 11, 2012. XTO is herein submitting the required Form 27, which includes the date closure of the aforementioned pits were completed and the completed closure photos.

The Freshwater and Reserve Pits were backfilled with mix/blended and native on-site material.

The Cuttings Pit contents were mix/blended to reduce elevated arsenic concentrations as stipulated in the associated condition of approval. The Cuttings Pit was backfilled with mix/blended and native on-site material.

If you should have any questions or comments please feel free to contact me at your earliest convenience (970)675-4122.

Respectfully,


Jessica Dooling
Environmental Coordinator
Jessica_dooling@xtoenergy.com

Enclosures (2)

Cc: Joe Bob Duncan
Sam Montoya
Kelly Kardos
Dee Johnson

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

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: 9127 S Jamacia Drive

City: Englewood

State: CO Zip: 80112

Contact Name and Telephone:

Jessica Dooling

No: 970-675-4122

Fax: 970-675-4150

API Number: 05-103-11255-00

County: Rio Blanco

Facility Name: Freedom Unit

Facility Number: 294705 Drilling Pit

Well Name: Freedom Unit

Well Number: FRU 297-20A

Location: (QtrQtr, Sec, Twp, Rng, Meridian): SE/NE 20, 2S, 97W, 6th

Latitude: 39.862867 Longitude: -108.298900

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Drill Cuttings and Fluids

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-cropland rangeland

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Redcreek - Rentsac complex 5-30% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): no water wells with 1/4 mi., surface water within 1/4 mile

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

Impacted Media (check):

-
- Soils
-
-
- Vegetation
-
-
- Groundwater
-
-
- Surface Water

Extent of Impact:

pit contents: elevated TPH, arsenic, barium

How Determined:

laboratory analysis

REMEDIATION WORKPLAN

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

See Attachment I for details regarding initial action taken.

Describe how source is to be removed:

Freshwater Pit synthetic liner and de minimus contents have been removed and transported to an off-site permitted disposal/recycling facility. Reserve and Cuttings Pit synthetic liners were removed to an off-site permitted disposal/recycling facility. Reserve Pit contents were mix/blended to below Table 910-1 concentrations and will be used onsite for fill. Cuttings Pit contents were below Table 910-1 concentrations (with the exception of Arsenic) after solidification and will be used onsite for fill.

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.:

NA

XTO

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: FRU 297-20 A
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.):

Available information indicates that the uppermost groundwater bearing zone is approximately 35 feet below ground surface. Soil samples were collected for laboratory analysis of subliner material to confirm no groundwater impact potential exists (see Table 1).

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.

Please see Attachment II

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:

Based on subliner sample results no additional assessment will be necessary beneath the Freshwater Reserve and Cuttings Pits (please see Table 1 and Table 2).

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

Synthetic pit liners from the Freshwater, Reserve and Cuttings pits were removed to an off-site permitted disposal/recycling facility. De minimus Freshwater pit contents were removed from the site and transported to an off-site facility for disposal/recycling. Reserve pit contents were mix/blended with onsite spoils to below Table 910-1 parameters and will be used onsite for backfill. Cuttings pit contents were below Table 910-1 parameters (with the exception of Arsenic) after solidification and will be used onsite for backfill (see Table 1).

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 11/4/11 Date Site Investigation Completed: in progress Date Remediation Plan Submitted: 3/12/2012
Remediation Start Date: pending approval Anticipated Completion Date: pending approval Actual Completion Date: 4/11/2012

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: Environmental Coordinator

Date: 3/12/2012

OGCC Approved: _____

Title: FOR Chris Canfield Date: 03/21/2012

EPS NW Region

ATTACHMENT I

FRU 297-20A Pit Closure Workplan, Form 27 Page 1

Describe initial action taken:

- i. The site consists of a Freshwater Pit, Reserve Pit and a Cuttings Pit (see Figure 1).
- ii. De minimus Freshwater Pit contents and associated synthetic liners were removed and transported to an off-site permitted disposal/recycling facility.
- iii. Freshwater Pit sub-liner composite samples were collected and analyzed for Table 910-1 parameters, results are below Table 910-1 concentrations with the exception of Arsenic (6.4 mg/kg).
- iv. Reserve Pit contents were mix/blend processed to meet Table 910-1 concentrations with the exception of EC (11.2 mmhos/cm), SAR (17.1), pH (10.05-12.43) and Arsenic (4.3 mg/kg) and will be used on-site for backfill.
- v. Reserve Pit sub-liner composite samples were collected and analyzed for Table 910-1 parameters, results are below Table 910-1 concentrations with the exception of SAR (16.5), pH (10.45) and Arsenic (6.9 mg/kg).
- vi. Cuttings Pit contents met Table 910-1 concentration levels with the exception of EC (16.5 mmhos/cm), SAR (138), pH (12.04) and Arsenic (17.4 mg/kg) after solidification and will be used on-site for backfill.

The initial Cuttings Pit contents Arsenic concentration of 17.4 mg/kg is presumed to be the result of material from the Mancos formation. Ten additional discrete samples representing the Cuttings Pit material including, in part, material from the Mancos formation, were analyzed for Arsenic and result in a range of 6.0 mg/kg to 17.1 mg/kg and a mean of 9.07 mg/kg. The mean of the Cuttings Pit material is within the allowable Arsenic concentration of 9.35 mg/kg. Please refer to the associated sundry requesting consideration of background arsenic levels.

- vii. Cuttings pit sub-liner composite samples were collected and analyzed for full Table 910-1 parameters, results are below Table 910-1 concentrations with the exception of pH (9.12) and Arsenic (8.5 mg/kg).

- viii. Refer to Table 1 and Table 2 for a summary of laboratory results.
- ix. Elevated arsenic levels above Table 910-1 concentration were detected beneath the Freshwater, Reserve and Cuttings Pits. Please refer to the associated sundry requesting consideration of background arsenic levels.

ATTACHMENT II

FRU 297-20A Pit Closure Workplan, Form 27 Page 2

REMEDIATION WORKPLAN

Describe Reclamation Plan:

1. Fresh Water Pit

- The pit will be closed and backfilled with native on-site material or material transported to the site.

2. Reserve Pit

- The pit will be backfilled with Mix/blended, native on-site material or material transported to the site.

3. Cuttings Pit

- The pit will be backfilled with Mix/blended, native on-site material or material transported to the site.
- Elevated arsenic levels above the Table 910-1 concentration level were detected beneath the Freshwater, Reserve and Cuttings Pits. Please refer to associated sundry requesting consideration of background arsenic levels.
- Please refer to Table 1 and Table 2 for a summary of laboratory results, analytical reports are attached.
- Any remaining elevated levels of EC, SAR and pH detected beneath the pits or in material used for backfill will be covered with a minimum 3 feet of clean, native soils per COGCC guidance. No additional treatment of these soils will be required.
- On completion of required assessment and remedial activities, the pits will be backfilled. Material used to fill the pits will be derived from native on-site material or material transported to the site. Material used to fill the top three feet of each pit will be found on-site.
- Reclamation activities will be as specified in the Surface use Plan and BLM Conditions of Approval.

Table 1
Location: FRU 297-20A
Lab Summary

Last update 2/20/2012

Analytical Parameter (with units)	Fresh Water Pit	Reserve Pit									Cuttings #1		Backfill	Background 01/26/11					Background 11/18/11					COGCC	Maximum based on Background
	FW Pit Subliner 12/5/11 ¹	RP Contents 11/4/11	Solidified RP Contents 11/30/11	RP Mix Blend (1/24) 1/25/12	RP Mix Blend (1/25) 1/25/12	RP Mix Blend (1/25) Reworked and Resampled 2/9/12	RP Mix Blend (1/26) 1/30/12	RP Mix Blend (1/27) 1/30/12	RP Subliner 1/30/12	Cut #1 Pit Contents 11/10/11 ⁶	Cut #1 Pit Subliner 01/04/12	Pit Backfill Material 11/18/11 ⁷	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	Table 910-1 Concentration Levels		
																								D29982	
Accutest Job #	D29982	D29208	D29894	D31354	D31354	D31782	D31468	D31468	D31467	D29403	D30800	D29643	D20762					D29648					-	-	
Sample type (Composite:Discrete)	C	C	C	C	C	C	C	C	C	C	C	C	D	D	D	D	D	D	D	D	D	D	-	-	
TPH (GRO) (mg/Kg)	ND	48.7	49.6	-	-	-	-	-	ND	34.4	ND	ND	-	-	-	-	-	-	-	-	-	-	-		
TPH (DRO) (mg/Kg)	86.5	785	37.3	-	-	-	-	-	22.1	281	44.4	ND	-	-	-	-	-	-	-	-	-	-	-		
TPH (GRO + DRO) (mg/Kg)	86.5	834	86.9	-	-	-	-	-	22.1	315	44.4	ND	-	-	-	-	-	-	-	-	-	500	-		
Benzene (mg/Kg)	ND	ND	ND	-	-	-	-	-	ND	0.130	0.0522	ND	-	-	-	-	-	-	-	-	-	0.170	-		
Toluene (mg/Kg)	ND	ND	ND	-	-	-	-	-	ND	0.652	0.235	ND	-	-	-	-	-	-	-	-	-	85	-		
Ethylbenzene (mg/Kg)	ND	0.165	ND	-	-	-	-	-	ND	0.142	0.0540	ND	-	-	-	-	-	-	-	-	-	100	-		
Xylenes (total) (mg/Kg)	ND	0.764	0.668	-	-	-	-	-	ND	0.733	0.299	ND	-	-	-	-	-	-	-	-	-	175	-		
Acenaphthene (mg/Kg)	ND	ND	ND	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	1000	-		
Anthracene (mg/Kg)	ND	ND	ND	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	1000	-		
Benzo(A)anthracene (mg/Kg)	ND	ND	0.0101	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	0.22	-		
Benzo(B)fluoranthene (mg/Kg)	ND	ND	0.0122	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	0.22	-		
Benzo(K)fluoranthene (mg/Kg)	ND	ND	0.0053	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	2.2	-		
Benzo(A)pyrene (mg/Kg)	ND	ND	0.0067	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	0.022	-		
Chrysene (mg/Kg)	ND	ND	0.0265	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	22	-		
Dibenzo(A,H)anthracene (mg/Kg)	ND	ND	ND	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	0.022	-		
Fluoranthene (mg/Kg)	ND	ND	0.0142	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	1000	-		
Fluorene (mg/Kg)	ND	ND	0.0982	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	1000	-		
Indeno(1,2,3-cd)pyrene (mg/Kg)	ND	ND	0.0064	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	0.22	-		
Naphthalene (mg/Kg)	ND	ND	0.228	-	-	-	-	-	ND	0.307	0.0207	-	-	-	-	-	-	-	-	-	-	23	-		
Pyrene (mg/Kg)	ND	ND	0.0344	-	-	-	-	-	ND	ND	ND	-	-	-	-	-	-	-	-	-	-	1000	-		
Electrical Conductivity (mmhos/cm)	1.830	3.08	11.200	-	-	-	-	-	2.100	16.5	3.650	-	-	-	-	-	-	-	-	-	-	4	-		
Sodium Adsorption Ratio (SAR)	3.12	40.8	17.1	-	-	-	-	-	16.5	138	9.39	-	-	-	-	-	-	-	-	-	-	12	-		
pH	8.51	10.52	12.87	10.05	12.43	-	11.48	11.23	10.45	12.04	9.12	-	-	-	-	-	-	-	-	-	-	6-9	-		
Arsenic (mg/kg)	6.4	8.2	4.3	-	-	-	-	-	6.9	17.4	8.5	-	3.8	4.0	4.1	6.8	7.6	7.3	3.2	3.9	5.5	8.5	0.39	9.4	
Barium (mg/kg)	360	29300	17800	13300	15400	9170	12500	10000	2540	4290	1350	-	-	-	-	-	-	-	-	-	-	-	15000	-	
Cadmium (mg/kg)	<1.2	<3.2	<3.0	-	-	-	-	-	<1.2	2	<1.0	-	-	-	-	-	-	-	-	-	-	-	70	-	
Chromium (III) (mg/Kg)	29.9	30.9	23.2	-	-	-	-	-	24.2	19.7	22.7	-	-	-	-	-	-	-	-	-	-	-	120000	-	
Chromium (VI) (mg/Kg)	<0.47	<1.4	<1.2	-	-	-	-	-	<0.45	0.69	<0.43	-	-	-	-	-	-	-	-	-	-	-	23	-	
Copper (mg/kg)	13.4	35.2	15.7	-	-	-	-	-	16.1	26.9	16.8	-	-	-	-	-	-	-	-	-	-	-	3100	-	
Lead (inorganic) (mg/kg)	12.4	<16	<15	-	-	-	-	-	12.0	32.5	11.0	-	-	-	-	-	-	-	-	-	-	-	400	-	
Mercury (mg/kg)	<0.12	<0.35	<0.27	-	-	-	-	-	<0.11	<0.15	<0.11	-	-	-	-	-	-	-	-	-	-	-	23	-	
Nickel (mg/kg)	16.3	17.9	9.3	-	-	-	-	-	14.6	16.1	16.8	-	-	-	-	-	-	-	-	-	-	-	1600	-	
Selenium (mg/kg)	<6.0	<160	<150	-	-	-	-	-	<5.8	<7.7	<5.2	-	-	-	-	-	-	-	-	-	-	-	390	-	
Silver (mg/kg)	<3.6	<9.6	<8.9	-	-	-	-	-	<3.5	<4.6	<3.1	-	-	-	-	-	-	-	-	-	-	-	390	-	
Zinc (mg/kg)	42.4	60.6	24.0	-	-	-	-	-	42.0	88.4	45.6	-	-	-	-	-	-	-	-	-	-	-	23000	-	
% Solids	84.6	29.2	33.8	55.8	55.9	69.3	71.6	64.8	86.5	65.7	92.0	93.0	81.2	70.1	78.1	81.0	87.4	80.4	87.4	91.0	92.8	91.3	-	-	

- Notes:
1. Freshwater pit contained de minimus contents - properly disposed of with liner/felt material at the Wray Gulch Landfill.
 2. ND = not detectible to the laboratory detection limit.
 3. Results highlighted in yellow exceed Table 910-1 concentration levels. Results highlighted in gray exceed Table 910-1, but are below background levels.
 4. "-" indicates no analysis.
 5. See site map for sample locations.
 6. Cuttings #1 pit content additional arsenic results summarized on Table 2.
 7. Plans include backfill of a portion of the freshwater pit with mix blended soils from the reserve pit.

Table 2
Location: FRU 297-20A
Arsenic Sampling Summary
(Cutting Pit #1 and Background Samples)

Last update 3/12/2012

Analytical Parameter (with units)	Cuttings #1										Mean Cut #1 (Contents # 1 thru #10)	Background 1/26/11					Background 11/18/11					COGCC Table 910-1 Concentration Levels	Maximum based on Background
	Cut #1 Contents #1 (2/1/12)	Cut #1 Contents #2 (2/1/12)	Cut #1 Contents #3 (2/1/12)	Cut #1 Contents #4 (2/1/12)	Cut #1 Contents #5 (2/1/12)	Cut #1 Contents #6 (2/13/12)	Cut #1 Contents #7 (2/13/12)	Cut #1 Contents #8 (2/13/12)	Cut #1 Contents #9 (2/13/12)	Cut #1 Contents #10 (2/13/12)		#1	#2	#3	#4	#5	#1	#2	#3	#4	#5		
Accutest Job #	D31571					D31864						D20762					D29648						
Sample type (Composite/Discrete)	D	D	D	D	D	D	D	D	D	D		D	D	D	D	D	D	D	D	D	D		
TPH (GRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-		
TPH (DRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-		
TPH (GRO + DRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-		
Benzene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	500	
Toluene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	0.170	
Ethylbenzene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	85	
Xylenes (total) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	100	
Acenaphthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	175	
Anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1000	
Benzo(A)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1000	
Benzo(B)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	0.22	
Benzo(K)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	0.22	
Benzo(A)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	2.2	
Chrysene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	0.022	
Dibenzo(A,H)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	22	
Fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	9.022	
Fluorene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1000	
Indeno(1,2,3-C,D)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1000	
Naphthalene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	0.22	
Pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	23	
Electrical Conductivity (mmhos/cm)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1000	
Sodium Adsorption Ratio (SAR)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	4	
pH	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	12	
Arsenic (mg/kg)	7.2	8.4	6.8	17.1	8	9.6	8	6	9.9	9.7	9.07	3.8	4.0	4.1	6.8	7.6	7.3	3.2	3.9	5.5	8.5	6-9	9.35
Barium (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	15000	
Cadmium (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	70	
Chromium (III) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	120000	
Chromium (VI) (mg/Kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	23	
Copper (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	3100	
Lead (inorganic) (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	400	
Mercury (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	23	
Nickel (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	1600	
Selenium (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	390	
Silver (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	390	
Zinc (mg/kg)	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	23000	
% Solids	82.8	76.7	92.7	96.8	86.6	73.0	78.5	81.3	89.2	69.9		81.2	70.1	78.1	81.0	87.4	80.4	87.4	91.0	92.8	91.3	-	-

Notes:
 1) ND = not detectable to the laboratory detection limit.
 2) Results highlighted in yellow exceed Table 910-1 concentration levels. Results highlighted in gray exceed Table 910-1 but are below background levels.
 3) "-" indicates no analysis.
 4) See site map for sample locations.
 5) Per Schlumberger drill logs, Mancos Shale was encountered during well installation at approximately 10.500 feet below ground surface.

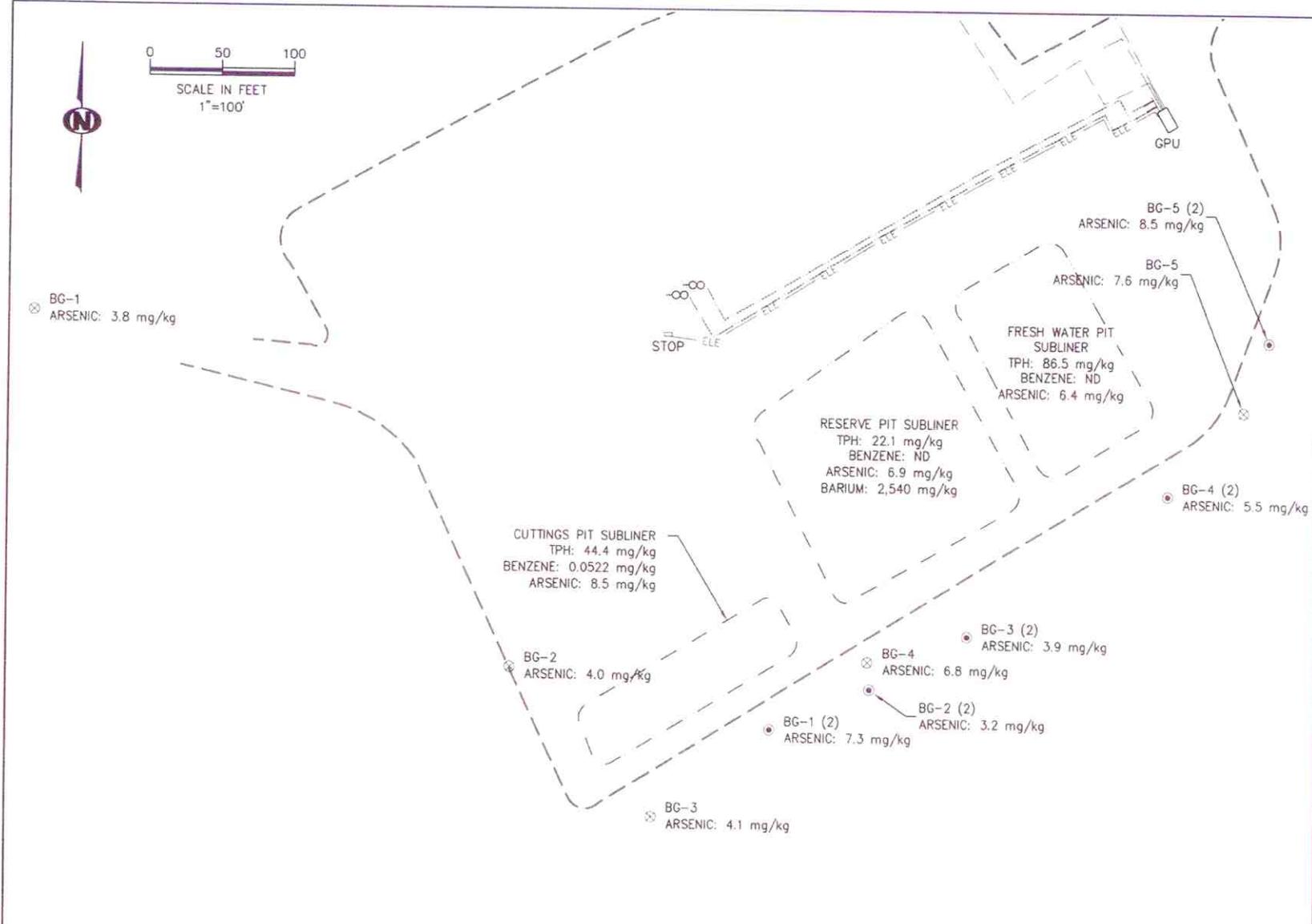


FIGURE 1
PICEANCE CREEK
FRU 297-20A
SITE MAP AND
SELECT SAMPLE RESULTS
PREPARED FOR XTO ENERGY

KRW CONSULTING, INC.
8000 W. 14TH AVENUE, SUITE 200
LAKEWOOD, COLORADO
(303) 239-9011

DATE	REVISIONS

LEGEND	
GPU	GAS PROCESSING UNIT
ST	STORAGE TANK
---	UNDERGROUND CHEMICAL LINE
---	UNDERGROUND FLOWLINE
---	ABOVE GROUND FLOWLINE
ELE	ELECTRIC LINE
W	WATER LINE
---	EDGE OF PAD
---	POND / CUTTINGS
∞	WELL HEAD
⊗	BACKGROUND SAMPLE LOCATION AND ARSENIC: 5.1 mg/kg ARSENIC LEVELS COLLECTED 1-26-11
⊙	BACKGROUND SAMPLE LOCATION AND ARSENIC: 8.5 mg/kg ARSENIC LEVELS COLLECTED 11-18-11

- NOTES:**
- ALL SAMPLE RESULTS SHOWN ARE PIT CONTENT COMPOSITE SAMPLES UNLESS OTHERWISE NOTED.
 - BACKGROUND ARSENIC RESULTS ARE DISCRETE SAMPLES.
 - ND INDICATES NO TPH DETECTED TO LABORATORY DETECTION LIMIT.

DESIGNED:	CHECKED:	FIGURE
CB	DK	1
DATE:	DATE:	SHEET NO.
2/15/12	2/15/12	1 of 2
FILE NAME:	FILE NAME:	SCALE:
tph arsenic	tph arsenic	1"=100'
PROJECT NO:	PROJECT NO:	
110B-10A	110B-10A	



Photograph 1 – View of completed pit closure, SE side facing SW, closed Cuttings Pit



Photograph 2 – View of completed pit closure, W side facing E, closed Cuttings, Reserve and Freshwater Pits



Photograph 3 – View of completed pit closure, E side facing W, closed Freshwater, Reserve and Cuttings Pits



Photos Taken: 4/11/2012

XTO FRU 297-20A
Piceance Basin, CO

Site Photographs