

State of Colorado
Oil and Gas Conservation Commission



#6917

FOR OGCC USE ONLY
RECEIVED
3/13/2012
OGCC Employee:
 Spill Complaint
 Inspection NOAV
Tracking No:

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.

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: 970-375-4122 Fax: 970-675-4150
API Number: 05-103-11157 Facility Name: Piceance Creek Unit Well Name: Piceance Creek Unit Location: (QtrQtr, Sec, Twp, Rng, Meridian): NWSW, 12, 2S, 97W, 6th	County: Rio Blanco Facility Number: Drilling Pit (no facility ID #), Form 15 attached Well Number: PCU 297-12A Latitude: 39.889071 Longitude: -108.237241

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: Castner channery loam, 5 to 50% slopes

Potential receptors (water wells within 1/4 mi, surface waters, etc.): no water wells within 1/4 mile, nearest surface water is greater than 2 miles away.

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	sub-liner impacts: elevated arsenic	laboratory analysis
<input type="checkbox"/> Vegetation		
<input type="checkbox"/> Groundwater		
<input type="checkbox"/> Surface Water		

REMEDIALTION 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:
All pit contents and liners were removed from the Freshwater, Reserve and Cuttings Pit #2 and transported to an offsite permitted disposal/recycling facility. Cuttings Pit #1 contents were solidified and found to be below Table 910-1 concentrations (with the exception of arsenic) and will be used onsite for fill. The Cuttings Pit #1 synthetic liners were removed and transported to an off-site permitted disposal/recycling facility.

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: PCU-297-12A 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 greater than 200 feet below the ground surface. Soil samples were collected for laboratory analysis of sub-liner material to confirm no groundwater impact potential exists (see Tables 1 and 2).

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 Attachemnt 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 sublimer sample results no additional assessment will be necessary beneath the Freshwater, Reserve, Cuttings #1 and Cuttings #2 Pits (see Tables 1 and 2).

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

All pit contents and liners from the Freshwater, Reserve and Cuttings #2 Pits were removed and transported to an approved offsite for disposal/recycling. Cuttings Pit #1 synthetic liners were removed and transported to a permitted disposal/recycling facility. Cuttings Pit #1 material was solidified and found to be below Table 910-1 (with the exception of arsenic) and will be used onsite for fill.

IMPLEMENTATION SCHEDULE

Date Site investigation Began: 06/28/11 Date Site Investigation Completed: in progress Date Remediation Plan Submitted: 3/13/2012 Remediation Start Date: pending approval Anticipated Completion Date: pending 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: Jessica Dooling Signed: [Signature] Title: Environmental Coordinator Date: 3/13/2012

OGCC Approved: [Signature] Title: FOR Chris Campbell Date: 03/21/2012

ATTACHMENT I

PCU 297-12A Pit Closure Workplan, Form 27 Page 1

Describe initial action taken:

- i. The site consists of a Freshwater Pit, Reserve Pit, Cuttings Pit #1 and Cuttings Pit #2 (see Figure 1).
- ii. 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 SAR (19.7), pH (9.35) and Arsenic (3.1 mg/kg).
- iv. Reserve Pit contents and associated synthetic liners were removed and transported to an off-site permitted disposal/recycling facility.
- 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 (25.8), pH (10.03) and Arsenic (4.2 mg/kg).
- vi. Cuttings Pit #2 contents and associated synthetic liners were removed and transported to an off-site permitted disposal/recycling facility.
- vii. Cuttings Pit #2 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 (12.5), pH (9.89) and Arsenic (4.4 mg/kg).
- viii. Cuttings Pit #2 was backfilled with onsite spoils.
- ix. Cuttings Pit #1 contents were solidified and then sampled for Table 910-1 parameters. Results are below Table 910-1 concentration levels with the exception of SAR (43.2), pH (11.55) and Arsenic (10.0 mg/kg). The solidified materials are currently stored on top of Cuttings Pit #2 and will be used onsite for backfill.
- x. The initial Cuttings Pit #1 contents Arsenic concentration of 10.0 mg/kg as well as the stockpiled material from Cuttings Pit #1 (Arsenic 8.6 mg/kg) are

presumed to be the result of material from the Mancos formation. Ten additional discrete Arsenic samples representing the Cuttings Pit #1 contents and stockpiled material including, in part, material from the Mancos formation were analyzed for Arsenic. These samples result in a range of 7.4 mg/kg to 19.7 mg/kg with one outlier result of 61.9 mg/kg. The 61.9 mg/kg discrete sample result is not in line with the other discrete samples and reflects the heterogeneous nature of the substrate. It is our interpretation that the discrete Arsenic samples demonstrate that there were no anthropogenic affects to the cuttings material and that the elevated Arsenic levels reflect contributions due to drilling through the Mancos formation. Please refer to the associated sundry requesting consideration of background arsenic levels.

- xi. Cuttings Pit #1 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 SAR (12.5), pH (9.95) and Arsenic (6.6 mg/kg).
- xii. Refer to Table 1 and Table 2 for a summary of laboratory results.
- xiii. Elevated arsenic levels above Table 910-1 concentration were detected beneath the Freshwater, Reserve and Cuttings Pits #1 and #2. Please refer to the associated sundry requesting consideration of background arsenic levels.

ATTACHMENT II

PCU 297-12A 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.

2. Reserve Pit

- The pit will be closed and backfilled with native on-site material.

3. Cuttings Pit #2

- The pit was backfilled with native on-site material.

4. Cuttings Pit #1

- The pit will be backfilled with solidified material, 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 #1 and #2. 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 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: PCU 297-12A
Lab Summary

Last update 2/20/2012

Analytical Parameter (with units)	Fresh Water Pit		Reserve Pit		Cuttings #1		Cuttings #2		Backfill	COGCC	Maximum based on Background	
	FW Subliner 6/28/11 ^{1 & 6}	FW Subliner 11/28/11 ⁶	RES Pit Contents 6/28/11	RES Pit Subliner 8/23/11	CUT #1 Pit Contents 8/9/11 ⁷	Former CUT #1 (Stockpiled Over 2 Pit) Cuttings # 7/18/11	CUT #1 Subliner 12/19/11	CUT #2 Pit Contents 6/28/11	CUT #2 Subliner 8/9/11	Pit Backfill Material 10/28/11		Table 910-1 Concentration Levels
Accutest Job #	D24998	D29786	D24998	D26938	D26396	D25640	D30465	D24998	D26397	D28995	-	-
Sample type (Composite/Discrete)	C	C	C	C	C	C	C	C	C	C	-	-
TPH (GRO) (mg/Kg)	ND	ND	1,110	ND	73.3	ND	7.55	12.2	ND	ND	-	-
TPH (DRO) (mg/Kg)	296	59.2	6,030	280	408	164	17.1	557	23.6	ND	-	-
TPH (GRO + DRO) (mg/Kg)	296	59.2	7,140	280	481	164	24.7	569	23.6	ND	500	-
Benzene (mg/Kg)	ND	ND	2,340	ND	0.0929	ND	ND	1,790	ND	ND	0.170	-
Toluene (mg/Kg)	ND	ND	18,700	ND	1,210	ND	ND	4,680	ND	ND	85	-
Ethylbenzene (mg/Kg)	ND	ND	3,340	ND	0.384	ND	ND	0,238	ND	ND	100	-
Xylenes (total) (mg/Kg)	ND	ND	62,000	ND	1,800	ND	ND	3,600	ND	ND	175	-
Acenaphthene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	1000	-
Anthracene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	1000	-
Benzo(A)anthracene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	0.22	-
Benzo(B)fluoranthene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	0.22	-
Benzo(K)fluoranthene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	2.2	-
Benzo(A)pyrene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	0.022	-
Chrysene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	22	-
Dibenzo(A,H)anthracene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	0.022	-
Fluoranthene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	1000	-
Fluorene (mg/Kg)	0.0554	-	2,500	0.0386	ND	ND	ND	0.115	ND	-	1000	-
Indo(1,2,3,C,D)pyrene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	0.22	-
Naphthalene (mg/Kg)	ND	-	3,780	ND	ND	0.182	ND	0,252	ND	-	23	-
Pyrene (mg/Kg)	ND	-	ND	ND	ND	ND	ND	ND	ND	-	1000	-
Electrical Conductivity (mmhos/cm)	2.090	-	1,790	1,890	2,520	3,250	0.908	0.445	0.765	-	<4 or 2X BG	-
Sodium Adsorption Ratio (SAR)	19.7	-	21.2	25.8	43.2	9.51	12.5	6.99	12.5	-	<12	-
pH	9.35	-	10.45	10.03	11.55	9.38	9.95	9.00	9.89	-	6-9	-
Arsenic (mg/kg)	3.1	-	5.9	4.2	10.0	8.6	6.6	3.4	4.4	-	0.39	8.1
Barium (mg/kg)	407	-	9,770	288	2,090	3,740	257	7,070	858	-	15000	-
Cadmium (mg/kg)	<1.1	-	<2.3	<0.93	1.5	2.0	<1.2	<1.3	<1.1	-	70	-
Chromium (III) (mg/Kg)	38.4	-	14.6	35.7	14.8	22.3	53.4	11.0	46.8	-	120000	-
Chromium (VI) (mg/Kg)	0.90	-	<0.95	<0.42	<0.45	<0.53	0.70	<0.52	0.70	-	23	-
Copper (mg/kg)	10.8	-	36.4	7.5	25.1	25.1	14.6	35.6	16.4	-	3100	-
Lead (inorganic) (mg/kg)	11.4	-	12.9	10.3	12.9	19.3	11.9	13.1	13.7	-	400	-
Mercury (mg/kg)	<0.098	-	<0.23	<0.11	<0.098	<0.13	<0.12	<0.11	<0.12	-	23	-
Nickel (mg/kg)	17.4	-	12.4	13.8	14.9	16.9	22.2	11.0	23.3	-	1600	-
Selenium (mg/kg)	<5.3	-	<59	<4.6	<5.3	<34	<6.2	<33	<5.7	-	390	-
Silver (mg/kg)	<3.2	-	<7.0	<2.8	<3.2	<4.0	<3.7	<3.9	<3.4	-	390	-
Zinc (mg/kg)	36.8	-	42.6	36.9	51.9	43.2	45.0	47.3	50.3	-	23000	-
% Solids	87.8	84.3	41.0	92.8	88.2	73.7	84.3	75.7	86.4	87.3	-	-

Notes:

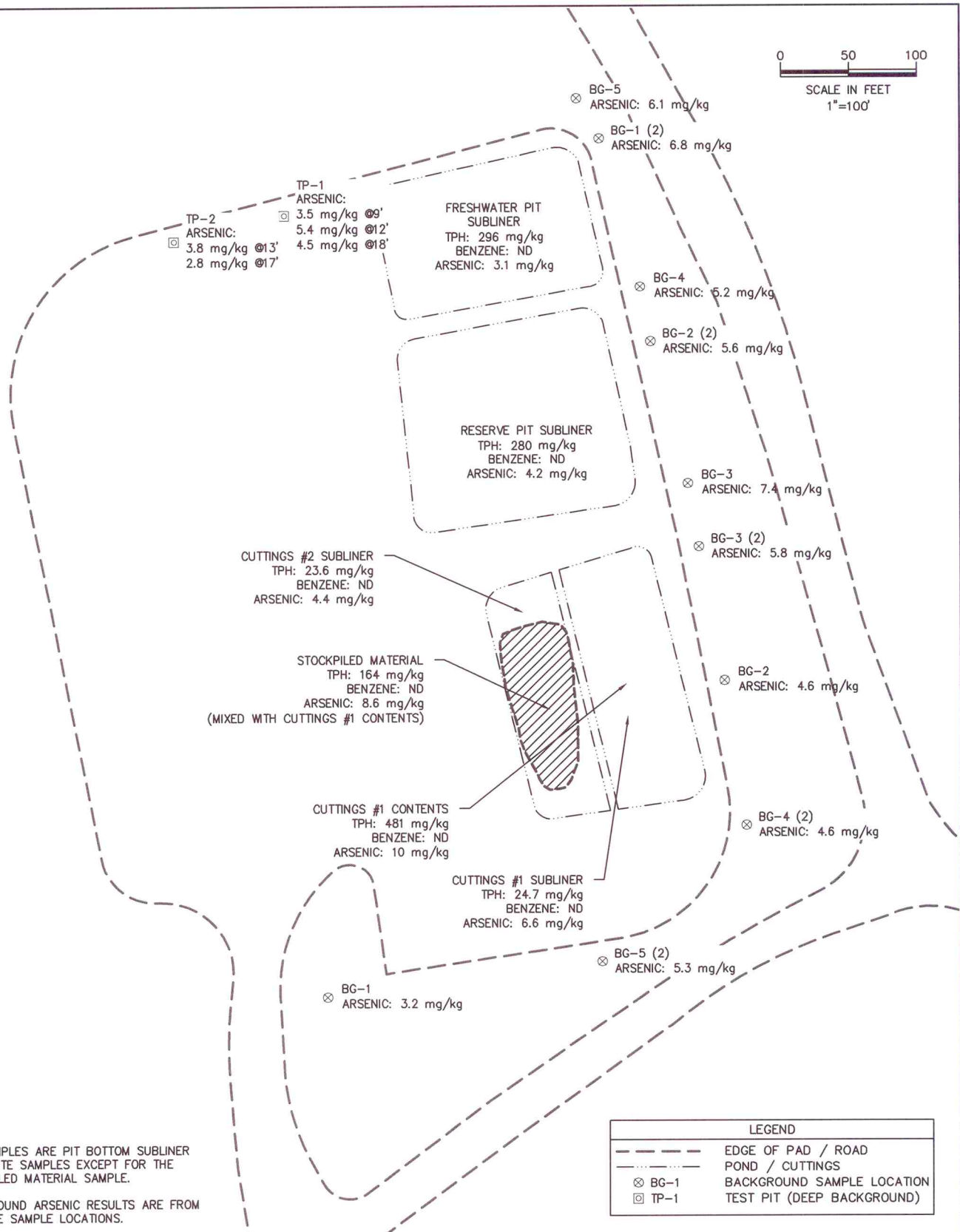
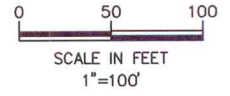
- 1) Freshwater pit contained de minimus contents - transferred to reserve pit.
- 2) ND = not detectible to the laboratory detection limit.
- 3) Results highlighted in yellow exceed Table 910-1 parameters. Results highlighted in gray exceed Table 910-1, but are below background levels.
- 4) "-" indicates no analysis.
- 5) See site map for sample locations.
- 6) Initial fresh water pit subliner sampled on 6/28/11. Solidified freshwater and reserve pit contents placed back in re-lined FW pit. Following 2nd liner removal, subliner resampled on 11/28/11.
- 7) Cuttings #1 Pit content additional arsenic results as well as site background arsenic results are summarized on Table 2.

Table 2
 Location: PCU 297-12A
 Arsenic Sampling Summary
 (Cuttings Pit #1 and Background Samples)

Updated: 2/20/2012

Analytical Parameter (with units)	Cuttings #1 ⁽¹⁾										Background 8/4/11					Background 11/14/11					Deep Background 11/14/11					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	#1 TP-1 @ 9'	#2 TP-1 @ 12'	#3 TP-1 @ 18'	#4 TP-2 @ 13'	#5 TP-2 @ 17'		
Accutest Job #	D31573										D26269					D29456					D29457					-	-
Sample type (Composite/Discrete)	D	D	D	D	D	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)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes (total) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(A)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(B)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(K)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(A)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(A,H)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indo(1,2,3,C,D)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Napthalene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrical Conductivity (mmhos/cm)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sodium Adsorption Ratio (SAR)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
pH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic (mg/kg)	8.4	14.6	7.7	9.9	13.5	61.9	19.7	12.8	10.1	8.4	3.2	4.6	7.4	5.2	6.1	6.8	5.6	5.8	4.6	5.3	3.5	5.4	4.5	3.8	2.8	0.39	8.1
Barium (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (III) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium (VI) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead (inorganic) (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc (mg/kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Solids	94.4	95.9	95.0	84.9	78.7	80.3	84.9	74.0	81.3	81.2	83.9	89.0	91.6	87.5	86.6	83.2	82.9	81.9	82.1	81.2	85.3	87.3	86.4	90.0	85.5	-	-

- Notes:
- 1) ND = not detectable to the laboratory detection limit.
 - 2) Results highlighted in yellow exceed Table 910-1 parameters. 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 12,000 feet below ground surface.



NOTES:

1. ALL SAMPLES ARE PIT BOTTOM SUBLINER COMPOSITE SAMPLES EXCEPT FOR THE STOCKPILED MATERIAL SAMPLE.
2. BACKGROUND ARSENIC RESULTS ARE FROM DISCRETE SAMPLE LOCATIONS.

LEGEND	
	EDGE OF PAD / ROAD
	POND / CUTTINGS
	BACKGROUND SAMPLE LOCATION
	TEST PIT (DEEP BACKGROUND)

s:\pro\cto_environmental\1105-16 - pcu 297-12a\civil 3d\sample ars all.dwg,3/12/12

DESIGNED: -	CHECKED: DK	FIGURE 1	NOTES:
DATE: 3/12/12	DRAWN: DRF		
FILE NAME: sample ars all	SHEET NO. 1 of 1	DATE	REVISIONS
PROJECT NO. 1105-16	SCALE: 1"=100'		

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FIGURE 1
PICEANCE CREEK
PCU 297-12A
SAMPLE LOCATIONS WITH
ARSENIC LEVELS
PREPARED FOR XTO ENERGY