

State of Colorado
Oil and Gas Conservation Commission

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



FE	FT	OT	LC
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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)

1. OGCC Operator Number: 100264	4. Contact Name: Jessica Dooling	Complete the Attachment Checklist
2. Name of Operator: XTO Energy Inc	Phone: 970-675-4122	
3. Address: PO Box 6501	City: Englewood State: CO Zip: 80155	OP OGCC
5. API Number: 05-103-11180	OGCC Facility ID Number: 335962	Survey Plat
6. Well/Facility Name: Piceance Creek Unit	7. Well/Facility Number: 197-36A	Directional Survey
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian): NESW, Sec 36, T1S, R97W, 6th PM		Surface Eqmpt Diagram
9. County: Rio Blanco	10. Field Name: Piceance Creek Unit	Technical Info Page
11. Federal, Indian or State Lease Number:		Other

General Notice

CHANGE OF LOCATION: Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

Change of Surface Footage from Extenor Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Surface Footage to Extenor Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Extenor Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Extenor Section Lines:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Bottomhole location Qtr/Qtr Sec: Twp, Rng, Mer _____

Latitude _____ Distance to nearest property line _____ Distance to nearest bldg, public rd, utility or RR _____

Longitude _____ Distance to nearest lease line _____ Is location in a High Density Area (rule 603b)? Yes/No

Ground Elevation _____ Distance to nearest well same formation _____ Surface owner consultation date _____

GPS DATA: Date of Measurement _____ PDOP Reading _____ Instrument Operator's Name _____

CHANGE SPACING UNIT

Formation	Formation Code	Spacing order number	Unit Acreage	Unit configuration

Remove from surface bond
Signed surface use agreement attached

CHANGE OF OPERATOR (prior to drilling): Effective Date: _____ Plugging Bond Blanket Individual

CHANGE WELL NAME NUMBER From: _____ To: _____ Effective Date: _____

ABANDONED LOCATION: Was location ever built? Yes No Is site ready for inspection? Yes No Date Ready for inspection: _____

NOTICE OF CONTINUED SHUT IN STATUS Date well shut in or temporarily abandoned: _____ Has Production Equipment been removed from site? Yes No MIT required if shut in longer than two years. Date of last MIT: _____

SPUD DATE: _____ REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)

SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK *submit cbl and cement job summaries

Method used	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom	Date

RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004 Final reclamation will commence on approximately _____ Final reclamation is completed and site is ready for inspection

Technical Engineering/Environmental Notice

Notice of Intent Approximate Start Date _____ Report of Work Done Date Work Completed: _____

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

<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other: See Page 2	for Spills and Releases

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

Signed: Jessica Dooling Date: 2/25/2013 Email: jessica.dooling@xtoenergy.com
Print Name: Jessica Dooling Title: Lead EH&S Coordinator

COGCC Approved: [Signature] Title: EPS II Date: 04/29/2013
CONDITIONS OF APPROVAL, IF ANY: NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number:	100264	API Number:	05-103-11180
2. Name of Operator:	XTO Energy Inc.	OGCC Facility ID #	
3. Well/Facility Name:	Piceance Creek Unit	Well/Facility Number:	197-36A
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NESW, Sec 36, T1S, 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.

DESCRIBE PROPOSED OR COMPLETED OPERATIONS

XTO Energy herin requests consideration of site-specific background Arsenic levels as an alternative to the Table 910-1 value for the PCU 197-36A location. COGCC Table 910-1 Concentration Levels list the allowable concentration level for Arsenic in soil at 0.39 mg/kg. Footnote 1 of Table 910-1 states "Consideration shall be given to background levels in native soils and ground water." At other locations COGCC has allowed the determination of allowable levels based upon a 10 % variability factor applied to background soil concentration values where the maximum allowable level is computed by multiplying the highest detected background concentration by 1.1.

Eight representative background samples were collected from undisturbed areas adjacent to the subject location. Arsen concentrations in those samples ranged from 4.3 mg/kg to 7.4 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable Arsenic concentration level of 8.1 mg/kg.

Subliner Arsenic samples were collected from the Freshwater (5.8 mg/kg), Reserve (7.0 mg/kg), Cuttings Pit #1 (7.7 mg/kg), Cuttings Pit #2 (4.9 mg/kg) and Cuttings Pit #3 (6.4 mg/kg). The subliner Arsenic concentrations are within the allowable background Arsenic concentration of 8.1 mg/kg.

Initial Reserve Pit and Cuttings Pit #1 contents Arsenic concentrations were 11.1 mg/kg and 16.8 mg/kg, respectively, and are presumed to be the result of material from the underlying Mancos formation. Five additional discrete samples representing Cuttings Pit #1 contents, including, in part, material from the Mancos formation were analyzed for Arsenic. Analyses resulted in a range of Arsenic concentrations from 12.7 mg/kg to 18.2 mg.kg. It is our interpretation that the discrete Arsenic samples demonstrate that there were no anthropogenic affects to the Reserve Pit and Cuttings Pit #1 material, and that the elevated Arsenic levels reflect contributions due to drilling through the Mancos formation (see Tables 1 & 2).

Initial Cuttings Pits #2 and #3 contents Arsenic concentrations of 6.6 mg/kg and 6.5 mg/kg respectively are presumed are presumed to be the result of material from the Mancos formation. The Cuttings Pits #2 and #3 contents Arsenic concentrations are within the allowable background Arsenic concentration of 8.1 mg/kg.

Please find the Lab Data Summary Tables and the Site Map indicating Arsenic sampling locations attached.

Table 1
Location: PCU 197-36A
Lab Summary

Last update 12/14/2012

Analytical Parameter (with units)	Fresh Water Pit		Reserve Pit		Cuttings #1		Cuttings #2		Cuttings #3		Cuttings Spoil	Background								COGCC	Maximum based on Background
	FW Pit Contents	FW Pit Subliner 10/17/12	RP Post Solid. 10/16/12	RP Subliner 10/18/12	Cut #1 Post Solid. 9/5/12	Cut #1 Subliner 9/19/12	Cut #2 Post Solid. 11/12/12	Cut #2 Subliner 10/1/12	Cut #3 Post Solid. 11/12/12	Cut #3 Pit Subliner 10/1/12	Cuttings Spoil Pile 9/17/12	#1	#2	#3	#4	#5	#6	#7	#8	Table 910-1 Concentration Levels	
Accutest Job #		D40074	D40002	D40114	D38480	D39008	D40910	D39442	D40910	D39442	D38897	D38598 (9/7/12)								-	-
Sample type (Composite/Discrete)		C	C	C	C	C	C	C	C	C	C	D	D	D	D	D	D	D	D	-	-
TPH (GRO) (mg/Kg)		ND	12.3	ND	68.0	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)		46.6	578	17.8	842	157	407	14.8	460	ND	21.4	-	-	-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)		46.6	590	17.8	910	157	407	14.8	460	ND	21.4	-	-	-	-	-	-	-	-	500	-
Benzene (mg/Kg)		ND	ND	ND	ND	0.0836	0.162	ND	0.636	ND	ND	-	-	-	-	-	-	-	-	0.170	-
Toluene (mg/Kg)		ND	0.165	ND	0.490	0.285	0.845	ND	1.64	ND	ND	-	-	-	-	-	-	-	-	85	-
Ethylbenzene (mg/Kg)		ND	ND	ND	0.131	0.0589	0.197	ND	0.148	ND	ND	-	-	-	-	-	-	-	-	100	-
Xylenes (total) (mg/Kg)		ND	0.268	ND	0.567	0.263	0.926	ND	1.65	ND	ND	-	-	-	-	-	-	-	-	175	-
Acenaphthene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	1000	-
Anthracene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	1000	-
Benzo(A)anthracene (mg/Kg)		ND	0.0105	ND	ND	ND	0.0097	ND	0.0224	0.0074	ND	-	-	-	-	-	-	-	-	0.22	-
Benzo(B)fluoranthene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	0.0335	0.0058	ND	-	-	-	-	-	-	-	-	0.22	-
Benzo(K)fluoranthene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	0.0063	0.0079	ND	-	-	-	-	-	-	-	-	2.2	-
Benzo(A)pyrene (mg/Kg)		ND	ND	ND	ND	ND	0.0092	ND	0.0231	0.0065	ND	-	-	-	-	-	-	-	-	0.022	-
Chrysene (mg/Kg)		ND	0.0269	ND	ND	0.0109	0.0254	ND	0.0616	0.0059	ND	-	-	-	-	-	-	-	-	22	-
Dibenzo(A,H)anthracene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	0.0083	0.0069	ND	-	-	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/Kg)		0.0080	0.0120	ND	ND	ND	0.0147	ND	0.0244	ND	ND	-	-	-	-	-	-	-	-	1000	-
Fluorene (mg/Kg)		ND	ND	ND	ND	0.0199	0.0498	ND	0.106	ND	ND	-	-	-	-	-	-	-	-	1000	-
Indeno(1,2,3,C,D)pyrene (mg/Kg)		ND	ND	ND	ND	ND	ND	ND	0.0090	0.0069	ND	-	-	-	-	-	-	-	-	0.22	-
Naphthalene (mg/Kg)		ND	0.133	ND	0.170	0.114	0.331	ND	0.461	ND	ND	-	-	-	-	-	-	-	-	23	-
Pyrene (mg/Kg)		0.0075	0.0232	ND	ND	0.0099	0.0278	ND	0.0443	0.0063	ND	-	-	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)		0.588	10.700	0.604	11.400	1.18	6.230	2.740	14.000	0.920	0.663	-	-	-	-	-	-	-	-	4	-
Sodium Adsorption Ratio (SAR)		3.71	21.9	7.42	93.8	13.2	23.0	11.8	31.0	6.71	5.0	-	-	-	-	-	-	-	-	12	-
pH		9.34	12.24	9.68	12.43	8.67	11.32	9.37	12.36	9.61	9.76	-	-	-	-	-	-	-	-	6.9	-
Arsenic (mg/kg)		5.8	11.1	7.0	16.8	7.7	6.6	4.9	6.5	6.4	6.7	5.2	5.2	4.3	6.2	4.6	7.4	7.3	5.5	0.39	8.1
Barium (mg/kg)		429	8810	1120	1270	2130	4180	230	12700	902	480	-	-	-	-	-	-	-	-	15000	-
Cadmium (mg/kg)		<1.1	<1.6	<1.1	<1.3	<1.1	<1.2	<1.2	<1.2	<1.1	<1.1	-	-	-	-	-	-	-	-	70	-
Chromium (III) (mg/Kg)		62.2	14.7	69.9	28.9	60.9	21.7	61.1	15.4	62.5	68.9	-	-	-	-	-	-	-	-	120000	-
Chromium (VI) (mg/Kg)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	23	-
Copper (mg/kg)		11.0	29.5	11.0	28.8	13.9	18.2	11.9	23.4	12.8	12.1	-	-	-	-	-	-	-	-	3100	-
Lead (inorganic) (mg/kg)		8.4	23.0	8.5	15.0	9.6	17.9	8.7	25.4	10	9.6	-	-	-	-	-	-	-	-	400	-
Mercury (mg/kg)		<0.086	<0.13	<0.098	<0.12	<0.11	<0.087	<0.12	<0.10	<0.12	<0.11	-	-	-	-	-	-	-	-	23	-
Nickel (mg/kg)		19.9	72.5	20.7	22.4	21.3	12.6	20.3	13.4	20.7	22.5	-	-	-	-	-	-	-	-	1600	-
Selenium (mg/kg)		<5.4	<7.9	<5.6	<6.3	<5.3	<6.0	<5.8	<6.1	<5.7	<5.7	-	-	-	-	-	-	-	-	390	-
Silver (mg/kg)		<3.2	<4.8	<3.4	<3.8	<3.2	<3.6	<3.5	<3.6	<3.4	<3.4	-	-	-	-	-	-	-	-	390	-
Zinc (mg/kg)		37.8	42.3	39.7	51.8	41.5	39.3	45.1	41.9	46.1	41.1	-	-	-	-	-	-	-	-	23000	-
% Solids		93.4	64.2	86.7	79.4	89.2	82.0	88.6	82.3	87.9	87.5	92.5	89.0	93.8	92.3	91.0	90.9	90.3	92.0	-	-

- Notes:
- 1) ND = not detectible 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.

Table 2
Location: PCU 197-36A
Lab Summary - Arsenic Summary

Last update 11/14/2012

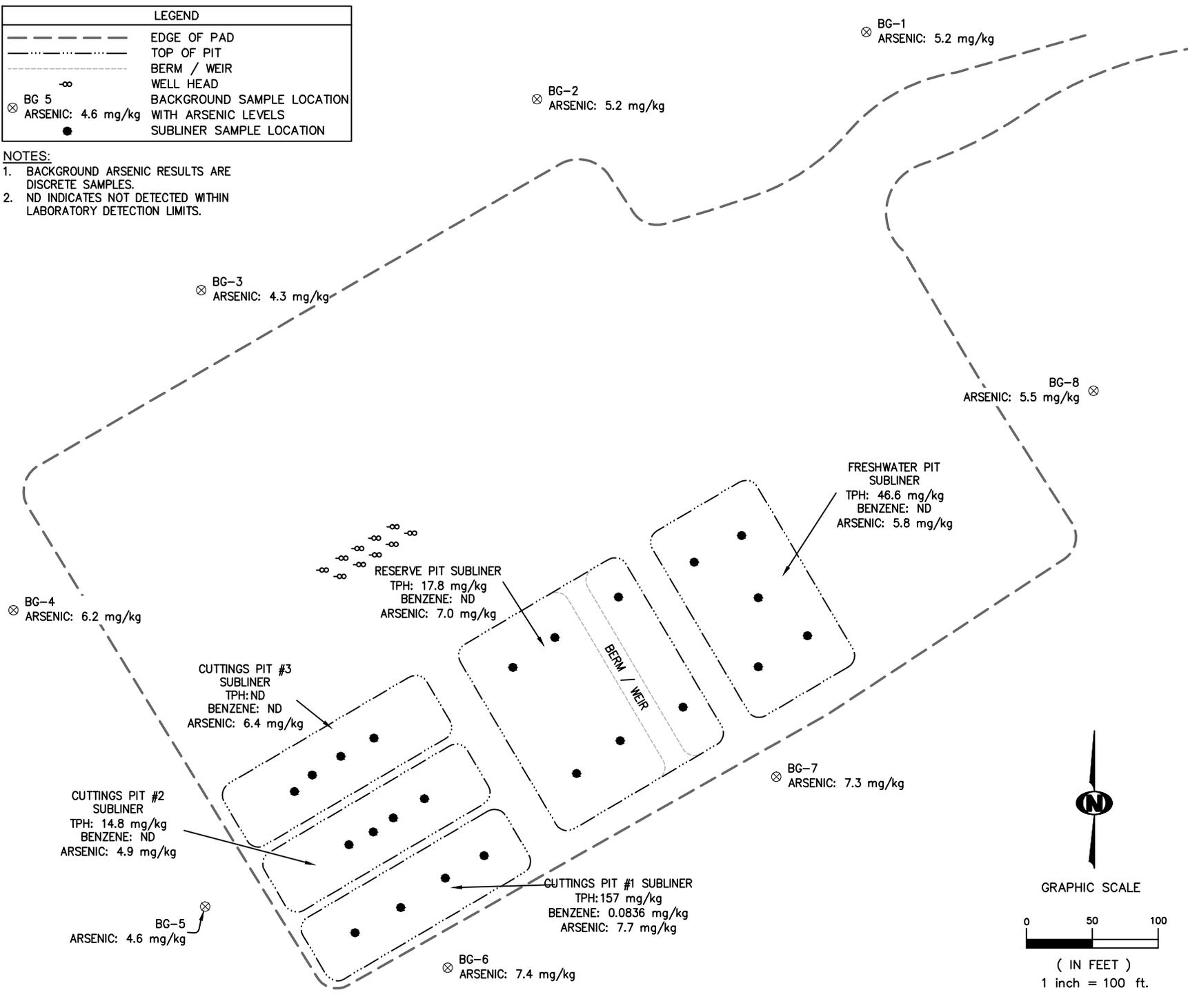
Analytical Parameter (with units)	Cuttings #1 Discrete Arsenic					Background 9/7/12								COGCC	Maximum based on Background
	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#6	#7	#8	Table 910-1 Concentration Levels	
Accutest Job #	D40716 (11/6/12)					D38598								-	-
Sample type (Composite/Discrete)	D	D	D	D	D	-	-	-	-	-	-	-	-	-	-
TPH (GRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-
Benzene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.170	-
Toluene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-
Ethylbenzene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-
Xylenes (total) (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	175	-
Acenaphthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Benzo(A)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(B)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(K)fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-
Benzo(A)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	-
Chrysene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
Dibenzo(A,H)anthracene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Fluorene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Indeno(1,2,3,C,D)pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Naphthalene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
Pyrene (mg/Kg)	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Sodium Adsorption Ratio (SAR)	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
pH	-	-	-	-	-	-	-	-	-	-	-	-	-	6-9	-
Arsenic (mg/kg)	14.0	16.2	14.9	12.7	18.2	5.2	5.2	4.3	6.2	4.6	7.4	7.3	5.5	0.39	8.1
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	85.3	81.4	83.9	87.2	86.4	92.5	89.0	93.8	92.3	91.0	90.9	90.3	92.0	-	-

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.

LEGEND	
---	EDGE OF PAD
----	TOP OF PIT
-----	BERM / WEIR
∞	WELL HEAD
⊗	BACKGROUND SAMPLE LOCATION WITH ARSENIC LEVELS
●	SUBLINER SAMPLE LOCATION

- NOTES:**
- BACKGROUND ARSENIC RESULTS ARE DISCRETE SAMPLES.
 - ND INDICATES NOT DETECTED WITHIN LABORATORY DETECTION LIMITS.



<p>FIGURE 1 PICEANCE CREEK PCU 197-36A SAMPLE LOCATIONS WITH SELECT LAB RESULTS PREPARED FOR XTO ENERGY</p>	
<p>KRW CONSULTING, INC. 8000 W. 14TH AVENUE, SUITE 200 LAKEWOOD, COLORADO (303) 239-8011</p>	
DESIGNED:	PROJECT NO. 1203-02
CHECKED: DK	FILE NAME: samples
DRAWN: DRF	SHEET NO. 1 of 1
DATE: 10/1/12	SCALE: 1" = 100'
<p>NOTES:</p>	
FIGURE 1	