

State of Colorado
Oil and Gas Conservation Commission

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



RECEIVED
2/10/2012

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
2 Name of Operator: XTO Energy Inc.	Phone: 970-675-4122
3 Address: 9127 South Jamaica Drive	Fax: 970-675-4150
City: Englewood State: CO Zip: 80112	
5 API Number 05-103-11262	OGCC Facility ID Number
6 Well/Facility Name: Piceance Creek Unit	Well/Facility Number: FRU 297-28C
8 Location (Otr/Otr, Sec, Twp, Rng, Meridian): SENE, Sec 28, T2S, R97W, 6th PM	
9. County: Rio Blanco	10. Field Name: Piceance Creek Unit
11. Federal, Indian or State Lease Number: COC-62807	

Complete the Attachment Checklist

OP OGCC

Survey Plat	
Directional Survey	
Surface Eqmpt Diagram	
Technical Info Page	
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 Exterior Section Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Surface Footage to Exterior Section Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage from Exterior Section Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Change of Bottomhole Footage to Exterior Section Lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Bottomhole location Qtr/Otr, 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: 2/10/2012 Email: jessica.dooling@xtoenergy.com
 Print Name: Jessica Dooling Title: Environmental Coordinator

COGCC Approved: Chris Camfield Title: FOR Date: 02/17/2012

CONDITIONS OF APPROVAL, IF ANY:
Chris Camfield
EPB NW Region

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- | | | | |
|--|---------------------------------|-----------------------|--------------|
| 1. OGCC Operator Number: | 100264 | API Number: | 05-103-11262 |
| 2. Name of Operator: | XTO Energy Inc. | OGCC Facility ID # | |
| 3. Well/Facility Name: | Piceance Creek Unit | Well/Facility Number: | FRU 297-28C |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | SENE, Sec 28, 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 herin requests consideration of site-specific background Arsenic levels as an alternative to the Table 910-1 value for the FRU 297-28C locaiton. COGCC Table 910-1 Concentration Levels list the allowable concentration level for arsenic in soil at 0.39 mg/kg. However, COGCC has approved site specific changes to allowable concentration levels based upon background concentration levels. 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.

Twelve representative background samples were collected from undisturbed areas adjacent to the subject location. Arsenic concentrations in those samples ranged from 1.3 mg/kg to 6.1 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable arsenic concentration level of 6.71 mg/kg.

Attached please find the Lab Data Summary Tables (Table 1 and Table 2), Lab Report D10555, Lab Report D29515 and the Site Map indicating arsenic sampling locations attached.

Table 1
Location: FRU 297-28C
Lab Summary

Analytical Parameter (with units)	Freshwater Pit		Reserve Pit		Background 1/26/11						2nd Backgrounds 11/15/11						COGCC Table 910-1 Allowable Levels	Maximum based on Background
	FW Pit Contents 9/20/11	FW Pit Subliner Backfill	Reserve Pit Contents 9/20/11	Reserve Pit Mix/Blend (1/4/12 - 2/2/12)	RP Subliner 1/4/12	RP Backfill	B1A (-1.5)	B1B (-12)	B2A (-2)	B2B (-9.5)	B3A (-1.5)	B3B (-9.5)	TP-1 (-10)	TP-1 (-15)	TP-1 (-13)	TP-2 (-3)		
Accutest Job #	D27858		D27857	D28640	D30796													
Sample Type (Composite/Discrete)	C		C		C													
TPH (GRO) (mg/Kg)	83.2		ND	96.1	ND													
TPH (DRO) (mg/Kg)	88,500		179	110	119													
TPH (GRO + DRO) (mg/Kg)	88,583		179	206	119													
Benzene (mg/Kg)	ND		ND	ND	ND													500
Toluene (mg/Kg)	0.205		ND	ND	ND													0.170
Ethylbenzene (mg/Kg)	0.193		ND	ND	ND													85
Xylenes (total) (mg/Kg)	4.050		ND	ND	ND													100
Acenaphthene (mg/Kg)	0.532		ND	1,290	ND													175
Anthracene (mg/Kg)	ND		ND	ND	ND													1000
Benzo(A)anthracene (mg/Kg)	ND		ND	ND	ND													1000
Benzo(B)fluoranthene (mg/Kg)	ND		ND	ND	ND													0.22
Benzo(K)fluoranthene (mg/Kg)	ND		ND	ND	ND													0.22
Chrysene (mg/Kg)	ND		ND	ND	ND													2.2
Dibenzol(A,H)anthracene (mg/Kg)	ND		ND	ND	ND													0.022
Fluoranthene (mg/Kg)	ND		ND	ND	ND													22
Fluorene (mg/Kg)	1,720		ND	ND	ND													0.022
Indol(1,2,3-C)pyrene (mg/Kg)	ND		ND	ND	ND													1000
Naphthalene (mg/Kg)	0.414		ND	ND	ND													1000
Pyrene (mg/Kg)	ND		ND	ND	ND													0.22
Electrical Conductivity (mmhos/cm)	0.362		1,800	1,650	0.481	0.478	0.719	2,060	0.170	3,420								1000
Sodium Adsorption Ratio (SAR)	4.55		38.2	29.1	7.25	5.62	2.38	10.7	0.512	13.9								<4 or 2X BG
pH	8.57		11.22	8.88	10.17	9.07	9.53	9.19	9.64	9.23	9.48							<12
Arsenic (mg/kg)	6.8		8.1	8.7	3.3	1.9	2.4	6.1	2.7	2.5	3.3	1.3	2.0	3.2	1.5	2.7	2.4	6-9
Barium (mg/kg)	5,140		19,600	20,500	891													0.39
Cadmium (mg/kg)	<1.6		<4.2	<3.9	<1.1													15000
Chromium (III) (mg/Kg)	41.9		28.3	15.7	37.1													70
Chromium (VI) (mg/Kg)	<0.59		<1.6	<1.5	0.57													120000
Copper (mg/kg)	37.0		30.8	20.9	5.6													23
Lead (inorganic) (mg/kg)	25.5		<21	<19	9.9													3100
Mercury (mg/kg)	0.60		<0.37	<0.38	<0.12													400
Nickel (mg/kg)	18.8		17.3	15.8	12.6													23
Selenium (mg/kg)	<39		<110	<96	<5.6													1600
Silver (mg/kg)	<47		<13	<12	<3.4													390
Zinc (mg/kg)	130		42.7	46.6	37													390
% Solids	65.5		24.8	27.3	87.6	80.7	85.4	85.2	89.1	89.4	87.0	89.0	87.4	87.3	89.1	92.4	94.8	23000

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) Samples collected post solidification of pit contents.

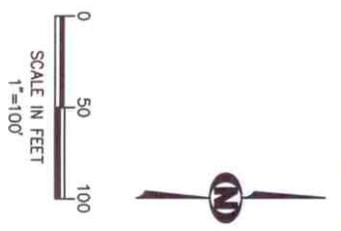
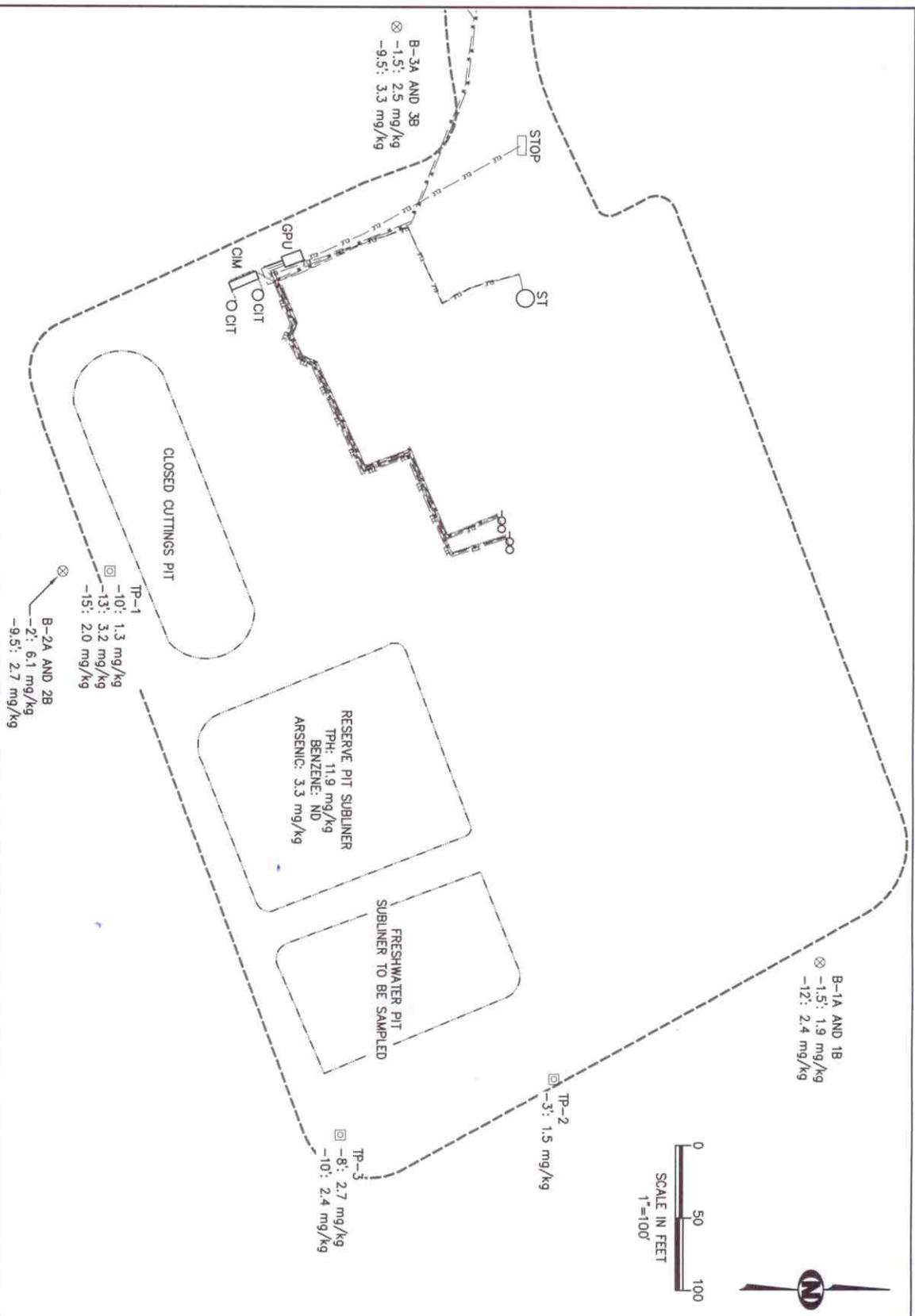
Table 2
 Location: FRU 297-28C
 Lab Summary - Reserve Pit Contents Mix/Blend Results

Last Update: 2/6/2012

Analytical Parameter (with units)	Reserve Pit											COGCC Table 910-1 Allowable Levels
	RP Mix Blend #1 1/4/12	RP Mix Blend #2 1/18/12	RP Mix Blend #3 1/18/12	RP Mix Blend #4 1/20/12	RP Mix Blend #5 1/20/12	RP Mix Blend #6 1/25/12	RP Mix Blend #7 1/25/12	RP Mix Blend #8 1/26/12	RP Mix Blend #9 1/26/12	RP Mix Blend #10 2/1/12	RP Mix Blend #11 2/1/12	
Account Job #	D30797	D31168	D31168	D31246	D31246	D31352	D31352	D31412	D31412	D31570	D31570	
Sample Type (Composite/Discrete)	C	C	C	C	C	C	C	C	C	C	C	
TPH (GRO) (mg/Kg)	10	-	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)	211	-	-	-	-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)	221	-	-	-	-	-	-	-	-	-	-	500
Benzene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.170
Toluene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	85
Ethylbenzene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	100
Xylenes (total) (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	175
Acenaphthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	1000
Anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	1000
Benzo(A)anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.22
Benzo(B)fluoranthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.22
Benzo(K)fluoranthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	2.2
Benzo(A)pyrene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.022
Chrysene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	22
Dibenzo(A,H)anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.022
Fluoranthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	1000
Fluorene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	1000
Indo(1,2,3-C,D)pyrene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	0.22
Naphthalene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	23
Pyrene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	1000
Electrical Conductivity (mmhos/cm)	6.73	-	-	-	-	-	-	-	-	-	-	<4 or 2X BG
Sodium Adsorption Ratio (SAR)	7.84	-	-	-	-	-	-	-	-	-	-	<12
pH	10.95	-	-	-	-	-	-	-	-	-	-	6-9
Arsenic (mg/kg)	4.2	3.8	3.8	4.3	4.2	4.5	6.1	3.4	4.1	10.91	10.83	6-9
Barium (mg/kg)	3,870	6,040	4,910	5,890	5,670	5,700	7,010	5,510	3,730	2.5	2.4	0.39
Cadmium (mg/kg)	<1.3	-	-	-	-	-	-	-	-	5,310	5,640	15000
Chromium (III) (mg/Kg)	22.6	-	-	-	-	-	-	-	-	-	-	70
Chromium (VI) (mg/Kg)	<0.52	-	-	-	-	-	-	-	-	-	-	120000
Copper (mg/kg)	9.3	-	-	-	-	-	-	-	-	-	-	23
Lead (inorganic) (mg/kg)	10.6	-	-	-	-	-	-	-	-	-	-	3100
Mercury (mg/kg)	<0.14	-	-	-	-	-	-	-	-	-	-	400
Nickel (mg/kg)	10.9	-	-	-	-	-	-	-	-	-	-	23
Selenium (mg/kg)	<6.7	-	-	-	-	-	-	-	-	-	-	1600
Silver (mg/kg)	<4.0	-	-	-	-	-	-	-	-	-	-	390
Zinc (mg/kg)	35.6	-	-	-	-	-	-	-	-	-	-	390
% Solids	75.1	78.5	81.2	81.1	79.3	79.3	76	77.5	80.1	86.9	80.9	23000

Notes:

- 1) ND = not detectible 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.



LEGEND	
GPU	GAS PROCESSING UNIT
CIM	CHEMICAL INJECTION MODULE
CIT	CHEMICAL INJECTION TANK
ST	STORAGE TANK
---	UNDERGROUND CHEMICAL LINE
---	UNDERGROUND FLOWLINE
---	ABOVE GROUND FLOWLINE
---	ELECTRIC LINE
---	WATER LINE
---	EDGE OF PAD
---	POND / CUTTINGS
---	WELL HEAD
---	BACKGROUND SAMPLE LOCATION AND ARSENIC LEVELS
---	TEST PIT LOCATION (2ND BACKGROUND) AND ARSENIC LEVELS AT DEPTH
⊗	BG-2A AND 2B
⊗	-2: 6.1 mg/kg
⊗	-9.5: 2.7 mg/kg
⊗	TP-2
⊗	-3: 1.5 mg/kg
⊗	B-1A AND 1B
⊗	-1.5: 1.9 mg/kg
⊗	-12: 2.4 mg/kg
⊗	B-2A AND 2B
⊗	-2: 6.1 mg/kg
⊗	-9.5: 2.7 mg/kg
⊗	B-3A AND 3B
⊗	-1.5: 2.5 mg/kg
⊗	-9.5: 3.3 mg/kg
⊗	TP-1
⊗	-10: 1.3 mg/kg
⊗	-13: 3.2 mg/kg
⊗	-15: 2.0 mg/kg
⊗	TP-3
⊗	-8: 2.7 mg/kg
⊗	-10: 2.4 mg/kg
⊗	TP-2
⊗	-3: 1.5 mg/kg

s:\pro\exxonmobil environmental\1108-08a fru 297-28c\civil\3d\sample ars all.dwg,2/7/12

DESIGNED: DK	CHECKED: JH	FIGURE 1	NOTES:
DATE: 2/7/12	DRAWN: DRF		
FILE NAME: sample ars all	SHEET NO. 1 of 1	DATE	REVISIONS
PROJECT NO. 1108-08A	SCALE: 1"=100'		

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

FIGURE 1
PICEANCE CREEK
FRU 297-28C
SAMPLE LOCATIONS WITH
ARSENIC LEVELS
PREPARED FOR XTO ENERGY