

FORM
4
Rev 12/05

Page 1

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 601, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109

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).

RECEIVED
1/28/2013

1. OGCC Operator Number: 100264	4. Contact Name: Jessica Dooling
2. Name of Operator: XTO Energy Inc.	Phone: 970-675-4122
3. Address: PO Box 6501	Fax: 970-675-4150
City: Englewood State: CO Zip: 80155	
5. API Number: 05-103-11081-00	OGCC Facility ID Number: 316658
6. Well/Facility Name: North Piceance Unit	7. Well/Facility Number: 196-19B
8. Location (Qtr/Sec, Twp, Rng, Meridian): SENE, Sec 19, T 1S, Rng 96W, 6th PM	
9. County: Rio Blanco	10. Field Name: North Piceance Unit
11. Federal, Indian or State Lease Number:	

Complete the Attachment Checklist

OP OGCC

Location ID #

General Notice

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

	FNL/FSL	FEL/FWL
Change of Surface Footage from Exterior Section Lines:		
Change of Surface Footage to Exterior Section Lines:		
Change of Bottomhole Footage from Exterior Section Lines:		
Change of Bottomhole Footage to Exterior Section Lines:		

Bottomhole location 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: _____

☐ **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: 1/28/2013 Email: jessica_dooling@xtoenergy.com

Print Name: Jessica Dooling Title: Environmental Coordinator

COGCC Approved:

CONDITIONS OF APPROVAL IF ANY:

Title:

FOR
Chris Canfield
ERS NW Region

Date:

01/30/2013



TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- | | | | |
|--|---------------------------------|-----------------------|-----------------|
| 1. OGCC Operator Number: | 100264 | API Number: | 05-103-11081-00 |
| 2. Name of Operator: | XTO Energy Inc. | OGCC Facility ID # | |
| 3. Well/Facility Name: | North Piceance Unit | Well/Facility Number: | 196-19B |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): | SENE, Sec 19, T1S, R96W, 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 NPU 196-19B 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. Arsenic concentrations in those samples ranged from 3.1 mg/kg to 4.8 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable Arsenic concentration level of 5.3 mg/kg.

The Freshwater, Reserve and Cuttings Pits subliner Arsenic concentrations of 9.7 mg/kg, 5.4 mg/kg and 8.1 mg/kg respectively are above the allowable background Arsenic concentration of 5.3 mg/kg. XTO Energy believes the subliner Arsenic value reflects the heterogeneous nature of the substrate and does not indicate subliner impacts due to operations.

The initial Cuttings Pit contents Arsenic concentration of 7.7 mg/kg is presumed to be the result of material from the Mancos formation. Five additional discrete samples representing the Cuttings Pit contents including, in part, material from the Mancos formation were analyzed for Arsenic and result in a range of 7.3 mg/kg to 10.3 mg/kg (see Table 2). It is our interpretation that the discrete Arsenic samples demonstrate that there were no anthropogenic affects to the Cuttings Pits material and that the elevated Arsenic levels reflect contributions due to drilling through the Mancos formation.

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

Table 1
Location: NPU 196-19B
Lab Summary

Analytical Parameter		Fresh Water Pit		Reserve Pit		Cuttings Pit		Background								COGCC	Maximum based on Background
(with units)	FW Pit Contents	FW Pit Subliner	RP Post Solid,	RP N.W. Subliner	RP S.E. Subliner ⁵	Post Solid, ⁶	Cut Pit Subliner	#1	#2	#3	#4	#5	#6	#7	#8	Table 910-1 Concentration Levels	
		10/26/12	11/12/12	11/15/12	11/15/12	11/12/12	11/14/12										
Accutest Job #		D40379	D40911	D41043	D41042	D40911	D41013	D	D	D	D	D	D	D	D	-	-
Sample type (Composite/Discrete)		C	C	C	C	C	C	-	-	-	-	-	-	-	-	-	-
TPH (GRO) (mg/Kg)		ND	306	ND	14.6	15.1	ND	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)		24.0	2300	380	1100	298	10.9	-	-	-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)		24.0	2606	380	1115	313	10.9	-	-	-	-	-	-	-	-	500	-
Benzene (mg/Kg)		ND	0.0779	ND	ND	0.221	ND	-	-	-	-	-	-	-	-	0.170	-
Toluene (mg/Kg)		ND	1.84	ND	ND	0.928	ND	-	-	-	-	-	-	-	-	85	-
Ethylbenzene (mg/Kg)		ND	0.838	ND	ND	0.218	ND	-	-	-	-	-	-	-	-	100	-
Xylenes (total) (mg/Kg)		ND	18.2	ND	ND	1.11	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	ND	ND	ND	ND	-	-	-	-	-	-	-	-	0.22	-
Benzo(a)pyrene (mg/Kg)		ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	0.022	-
Benzo(b)fluoranthene (mg/Kg)		ND	ND	ND	ND	ND	0.0073	-	-	-	-	-	-	-	-	0.22	-
Benzo(k)fluoranthene (mg/Kg)		ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	2.2	-
Chrysene (mg/Kg)		ND	0.0365	0.0067	0.0204	0.0155	ND	-	-	-	-	-	-	-	-	22	-
Dibenz(a,h)anthracene (mg/Kg)		ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/Kg)		ND	0.0380	ND	ND	0.0095	ND	-	-	-	-	-	-	-	-	1000	-
Fluorene (mg/Kg)		ND	0.432	ND	0.132	0.0431	0.0083	-	-	-	-	-	-	-	-	1000	-
Indeno(1,2,3-C,D)pyrene (mg/Kg)		ND	ND	ND	ND	ND	ND	-	-	-	-	-	-	-	-	0.22	-
Naphthalene (mg/Kg)		ND	2.330	0.0434	0.0771	0.240	0.0313	-	-	-	-	-	-	-	-	23	-
Pyrene (mg/Kg)		ND	0.0459	0.0061	0.0239	0.0220	ND	-	-	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)		1,280	12,300	2,250	3,850	7,910	0.538	-	-	-	-	-	-	-	-	4	-
Sodium Adsorption Ratio (SAR)		3.32	11.8	4.34	9.59	18.5	4.69	-	-	-	-	-	-	-	-	12	-
pH		8.96	12.44	9.61	9.25	12.41	9.83	-	-	-	-	-	-	-	-	6-9	-
Arsenic (mg/kg)		9.7	4.8	5.4	7.2	7.7	8.1	4.6	3.5	3.7	3.1	4.2	4.6	4.8	4.2	0.39	5.3
Elevation in feet (MSL)		6868	-	6867	6869	-	6864.5	6898	6894	6867	6861	6868	6856	6858	6868	-	-
Barium (mg/kg)		341	9410	2090	2350	6210	1000	-	-	-	-	-	-	-	-	15000	-
Cadmium (mg/kg)		<1.3	<1.4	<1.1	<1.2	<1.2	<1.2	-	-	-	-	-	-	-	-	70	-
Chromium (III) (mg/Kg)		22.5	15.8	24.4	25.7	18.7	34.1	-	-	-	-	-	-	-	-	120000	-
Chromium (VI) (mg/Kg)		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-	23	-
Copper (mg/kg)		17.3	14.6	14.8	16.4	24.4	12.6	-	-	-	-	-	-	-	-	3100	-
Lead (inorganic) (mg/kg)		13.2	<7.2	11.6	12.9	16.7	11.5	-	-	-	-	-	-	-	-	400	-
Mercury (mg/kg)		<0.11	<0.11	<0.093	<0.099	<0.095	<0.10	-	-	-	-	-	-	-	-	23	-
Nickel (mg/kg)		14.5	128	14.9	15.2	55.7	17.5	-	-	-	-	-	-	-	-	1600	-
Selenium (mg/kg)		<6.7	<7.2	<5.5	<6.1	<6.1	<6.1	-	-	-	-	-	-	-	-	390	-
Silver (mg/kg)		<4.0	<4.3	<3.3	<3.6	<3.7	<3.7	-	-	-	-	-	-	-	-	390	-
Zinc (mg/kg)		45.7	23.7	43.9	48.5	43.5	46.7	-	-	-	-	-	-	-	-	23000	-
% Solids		76.9	68.5	89.6	85.8	80.7	82.9	84.9	88.3	85.5	85.0	91.0	87.5	88.5	83.8	-	-

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) See Table 3 for Reserve Pit SE Subliner assessment.
- 6) See Table 4 for the Cuttings Pit Mixblend summary.
- 7) Background #8 was reported in a separate lab report (D40380R).

Last update

1/28/2013

Table 2
Location: NPU 196-19B
Lab Summary - Discrete Arsenic Summary

Last update

1/9/2013

Analytical Parameter (with units)	Cut Pit Post Solid 11/12/12	Cuttings					Background								COGCC Table 910-1 Concentration Levels	Maximum based on Background
		Discrete AS #1	Discrete AS #2	Discrete AS #3	Discrete AS #4	Discrete AS #5	#1	#2	#3	#4	#5	#6	#7	#8		
Accutest Job #	D40911	D40909 (11/12/12)					D40380 (10/26/12)								-	-
Sample type (Composite/Discrete)	C	D	D	D	D	D	D	D	D	D	D	D	D	D	-	-
TPH (GRO) (mg/Kg)	15.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)	313	-	-	-	-	-	-	-	-	-	-	-	-	-	500	-
Benzene (mg/Kg)	0.221	-	-	-	-	-	-	-	-	-	-	-	-	-	0.170	-
Toluene (mg/Kg)	0.928	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-
Ethylbenzene (mg/Kg)	0.218	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-
Xylenes (total) (mg/Kg)	1.11	-	-	-	-	-	-	-	-	-	-	-	-	-	175	-
Acenaphthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Benzo(A)anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(A)pyrene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	-
Benzo(B)fluoranthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Benzo(K)fluoranthene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-
Chrysene (mg/Kg)	0.0155	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
Dibenzo(A,H)anthracene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/Kg)	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Fluorene (mg/Kg)	0.0431	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Indeno(1,2,3-C,D)pyrene (mg/Kg)	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	-
Naphthalene (mg/Kg)	0.240	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
Pyrene (mg/Kg)	0.0220	-	-	-	-	-	-	-	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)	7.910	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
Sodium Adsorption Ratio (SAR)	18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-
pH	12.41	-	-	-	-	-	-	-	-	-	-	-	-	-	6-9	-
Arsenic (mg/kg)	7.7	7.3	10.3	9.4	7.9	9.6	4.6	3.5	3.7	3.1	4.2	4.6	4.8	4.2	0.39	5.3
Barium (mg/kg)	6210	-	-	-	-	-	-	-	-	-	-	-	-	-	15000	-
Cadmium (mg/kg)	<1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	70	-
Chromium (III) (mg/kg)	18.7	-	-	-	-	-	-	-	-	-	-	-	-	-	120000	-
Chromium (VI) (mg/kg)	<1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
Copper (mg/kg)	24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	3100	-
Lead (inorganic) (mg/kg)	16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	400	-
Mercury (mg/kg)	<0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-
Nickel (mg/kg)	55.7	-	-	-	-	-	-	-	-	-	-	-	-	-	1600	-
Selenium (mg/kg)	<6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	390	-
Silver (mg/kg)	<3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	390	-
Zinc (mg/kg)	43.5	-	-	-	-	-	-	-	-	-	-	-	-	-	23000	-
% Solids	80.7	87.2	79.8	79.0	80.1	80.4	84.9	88.3	85.5	85.0	91.0	87.5	88.5	83.8	-	-

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) Background #8 was reported in a separate lab report (D40380R).

Table 3
Location: NPU 196-19B
Lab Summary - Reserve Pit SE Assessment

Last update

1/14/2013

Analytical Parameter	Reserve Pit		S.E. RP Subliner Discrete					Post 2' Excavation			Ex. MTRL	COGCC
	RP Post Solid, 4/11/2/12	RP S.E. Subliner 11/15/12	SE RP 1	SE RP 2	SE RP 3	SE RP 4	SE RP 5	SE RP 1 (-2)	SE RP 3 (-2)	SE RP 5 (-2)	RP Excavated Material I/MB 1/7/13	
Accutest Job #	D40911	D41042	D41047 (12/6/12)					D41998 (12/17/12)			D42444	-
Sample type (Composite/Discrete)	C	C	D	D	D	D	D	D	D	D	C	-
TPH (GRO) (mg/Kg)	306	14.6	76.5	ND	ND	ND	ND	ND	ND	ND	ND	-
TPH (DRO) (mg/Kg)	2300	1100	3150	30.4	1540	34.9	526	62.2	59.1	39.5	90.8	-
TPH (GRO + DRO) (mg/Kg)	2606	1115	3227	30.4	1540	34.9	526	62.2	59.1	39.5	90.8	500
Benzene (mg/Kg)	0.0779	ND	-	-	-	-	-	-	-	-	-	0.170
Toluene (mg/Kg)	1.84	ND	-	-	-	-	-	-	-	-	-	85
Ethylbenzene (mg/Kg)	0.838	ND	-	-	-	-	-	-	-	-	-	100
Xylenes (total) (mg/Kg)	18.2	ND	-	-	-	-	-	-	-	-	-	175
Acenaphthene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	1000
Anthracene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	1000
Benzo(A)anthracene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	0.022
Benzo(A)pyrene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	0.022
Benzo(B)fluoranthene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	2.2
Benzo(K)fluoranthene (mg/Kg)	ND	0.0204	-	-	-	-	-	-	-	-	-	0.022
Chrysene (mg/Kg)	0.0365	ND	-	-	-	-	-	-	-	-	-	22
Dibenzo(A,H)anthracene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	0.022
Fluoranthene (mg/Kg)	0.0380	ND	-	-	-	-	-	-	-	-	-	1000
Fluorene (mg/Kg)	0.432	0.132	-	-	-	-	-	-	-	-	-	1000
Indeno(1,2,3-C,D)pyrene (mg/Kg)	ND	ND	-	-	-	-	-	-	-	-	-	0.22
Naphthalene (mg/Kg)	2.330	0.0771	-	-	-	-	-	-	-	-	-	23
Pyrene (mg/Kg)	0.0459	0.0239	-	-	-	-	-	-	-	-	-	1000
Electrical Conductivity (mmhos/cm)	12.300	3.850	-	-	-	-	-	-	-	-	-	4
Sodium Adsorption Ratio (SAR)	11.8	9.59	-	-	-	-	-	-	-	-	-	12
pH	12.44	9.25	-	-	-	-	-	-	-	-	-	6-9
Arsenic (mg/kg)	4.8	7.2	-	-	-	-	-	-	-	-	-	0.39
Barium (mg/kg)	9410	2350	-	-	-	-	-	-	-	-	-	15000
Cadmium (mg/kg)	<1.4	<1.2	-	-	-	-	-	-	-	-	-	70
Chromium (III) (mg/kg)	15.8	25.7	-	-	-	-	-	-	-	-	-	120000
Chromium (VI) (mg/kg)	<1.0	<1.0	-	-	-	-	-	-	-	-	-	23
Copper (mg/kg)	14.6	16.4	-	-	-	-	-	-	-	-	-	3100
Lead (inorganic) (mg/kg)	<7.2	12.9	-	-	-	-	-	-	-	-	-	400
Mercury (mg/kg)	<0.11	<0.099	-	-	-	-	-	-	-	-	-	23
Nickel (mg/kg)	128	15.2	-	-	-	-	-	-	-	-	-	1600
Selenium (mg/kg)	<7.2	<6.1	-	-	-	-	-	-	-	-	-	390
Silver (mg/kg)	<4.3	<3.6	-	-	-	-	-	-	-	-	-	390
Zinc (mg/kg)	23.7	48.5	-	-	-	-	-	-	-	-	-	23000
% Solids	68.5	85.8	82.1	87.1	86.4	87.3	86.3	89.0	89.0	87.1	83.5	-

Notes:

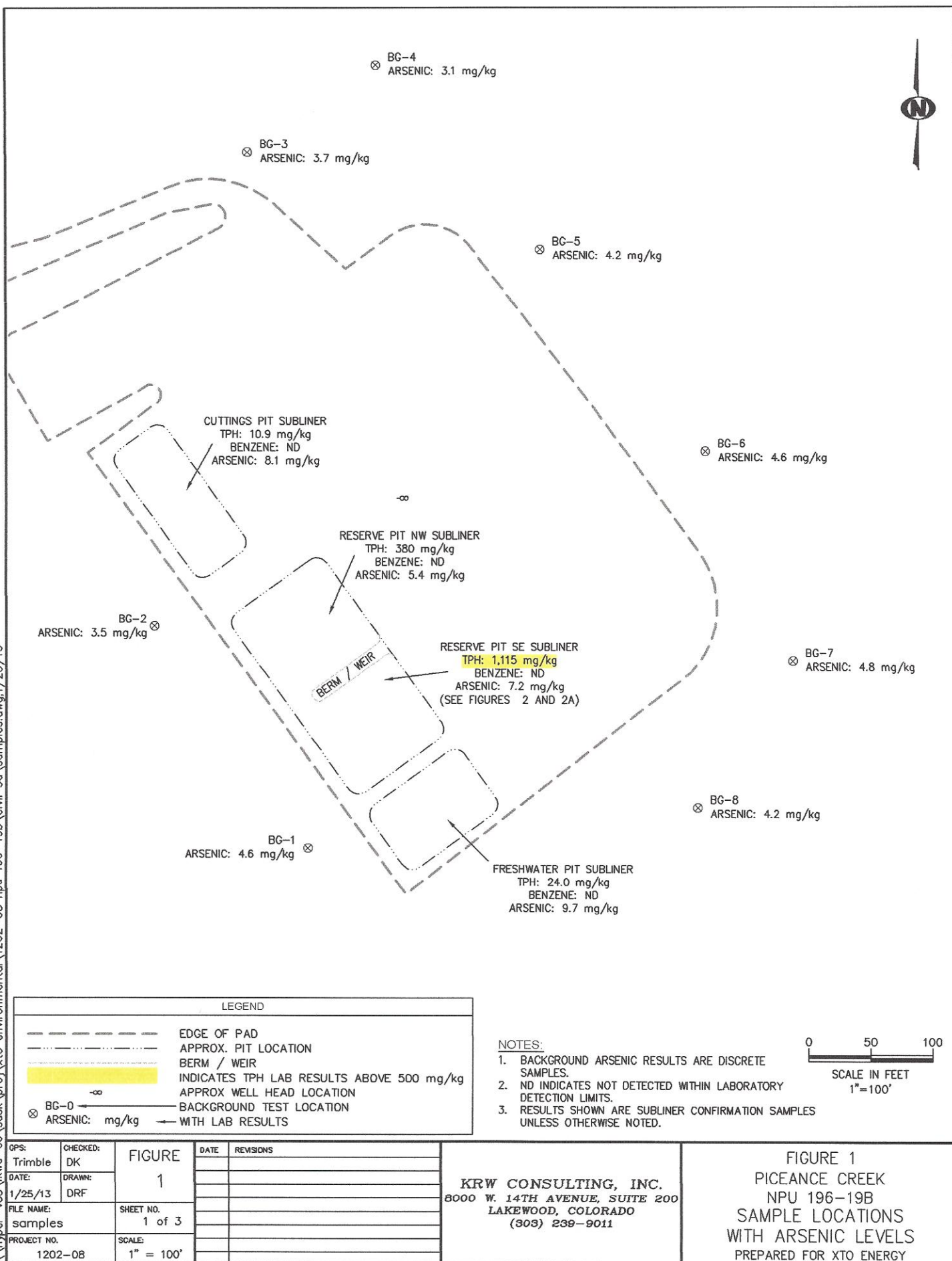
1) ND = not detectable to the laboratory detection limit.

2) Results highlighted in yellow exceed Table 910-1 concentration levels. Results highlighted in Gray exceed Table 910-1, but are below background levels.

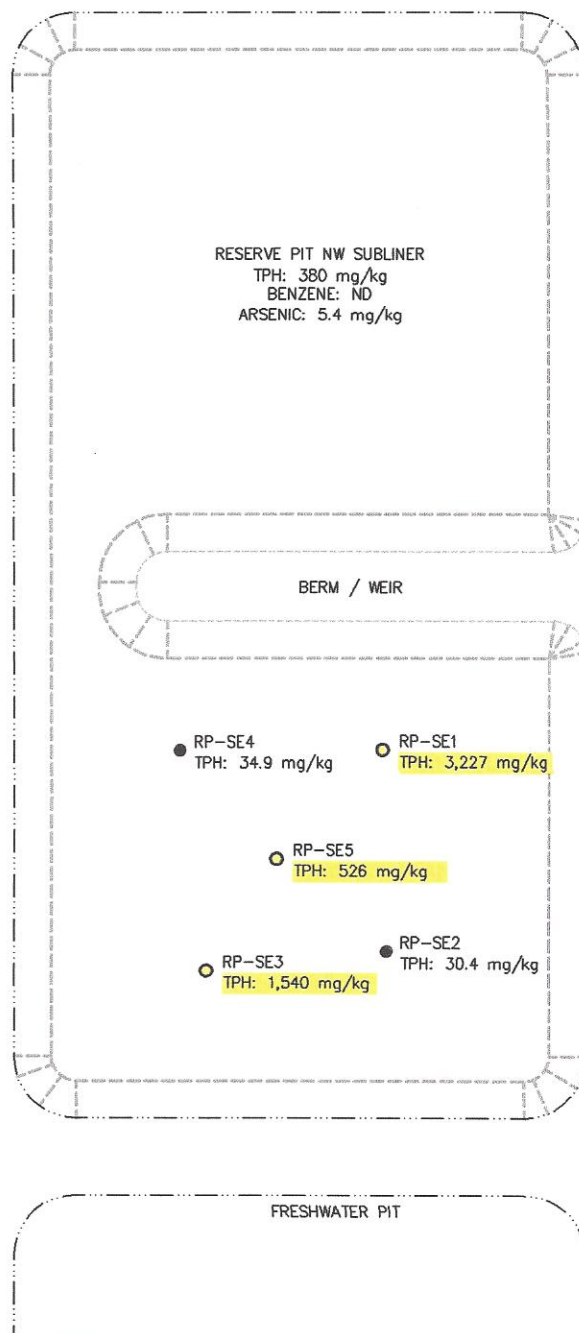
3) "-" indicates no analysis.

4) See site map for sample locations.

\\hyper-V03\kwd-co\sdisk\proj\cto environmental\1202-08 npu 196-19b\civil 3d\samples.dwg,1/25/13



\\hyper-c03\kwd-co\edsk\proj\cto environmental\1202-08 npu 196-19b\civil 3d\reserve.dwg,1/25/13

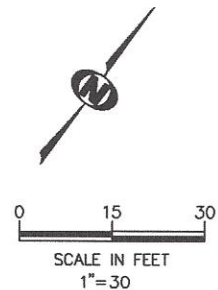


LEGEND

- EDGE OF PAD
- APPROX. PIT LOCATION
- BERM / WEIR
- APPROX. TOE OF PIT (ORIGINAL)
- D-0
TPH: ≤ 500 mg/kg
DISCRETE SAMPLE LOCATION WITH TPH LAB
RESULTS LESS THAN OR EQUAL TO 500 mg/kg
- D-0
TPH: > 500 mg/kg
DISCRETE SAMPLE LOCATION WITH TPH LAB
RESULTS GREATER THAN 500 mg/kg

NOTES:

1. ND INDICATES NOT DETECTED WITHIN LABORATORY DETECTION LIMITS.
2. RESULTS SHOWN ARE SUBLINER CONFIRMATION SAMPLES UNLESS OTHERWISE NOTED.

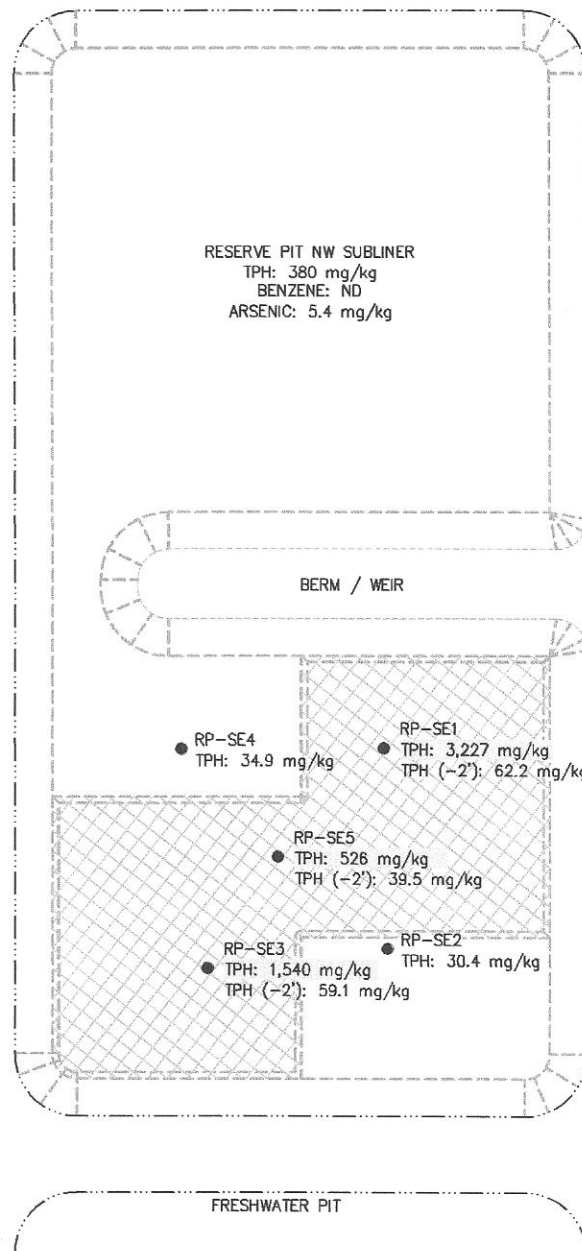


DATE	REVISIONS
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF
1/25/13	DRF

OPS: Trimble	CHECKED: DK
DATE: 1/25/13	DRAWN: DRF
FILE NAME: reserve	SHEET NO. 2 of 3
PROJECT NO. 1202-08	SCALE: 1" = 30'

FIGURE 2 PICEANCE CREEK NPU 196-19B RESERVE PIT SE SUBLINER CONFIRMATION DATA PREPARED FOR XTO ENERGY
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\\hyper-v03\kwd-co\sdk\proj\cto environmental\1202-08 npu 196-19b\civil 3d\reserve cl.dwg,1/25/13

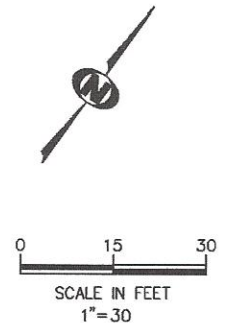


LEGEND

	EDGE OF PAD
	APPROX. PIT LOCATION
	BERM / WEIR
	APPROX. TOE OF PIT
	SOILS REMOVED
	APPROX WELL HEAD LOCATION
● D-0 TPH: ≤ 500 mg/kg	DISCRETE SAMPLE LOCATION WITH TPH LAB RESULTS LESS THAN OR EQUAL TO 500 mg/kg
○ D-0 TPH: > 500 mg/kg	DISCRETE SAMPLE LOCATION WITH TPH LAB RESULTS GREATER THAN 500 mg/kg

NOTES:

1. ND INDICATES NOT DETECTED WITHIN LABORATORY DETECTION LIMITS.
2. RESULTS SHOWN ARE SUBLINER CONFIRMATION SAMPLES UNLESS OTHERWISE NOTED.



GPS: Trimble	CHECKED: DK	FIGURE 2A	DATE	REVISIONS
DATE: 1/25/13	DRAWN: DRF			
FILE NAME: reserve cl	SHEET NO. 3 of 3			
PROJECT NO. 1202-08	SCALE: 1" = 30'			

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FIGURE 2A
PICEANCE CREEK
NPU 196-19B
RESERVE PIT SE
SELECT SAMPLE RESULTS
PREPARED FOR XTO ENERGY