

FORM
4
Rev 12/01

Page 1

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street Suite 801 Denver, Colorado 80203 Phone (303) 864-2100 Fax (303) 864-2105



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
4/20/2012

1 OGCC Operator Number 100264	4 Contact Name Jessica Dooling	Complete the Attachment Checklist OGCC
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 80112		
5 API Number 05-103-11138	OGCC Facility ID Number FRU 297-32A	
6 Well/Facility Name Freedom Unit	7 Well/Facility Number	Survey Plat
8 Location (Otr/Otr Sec Twp Rng Meridian) SE/NE, 32 2S 97W 6th		Directional Survey
9 County Rio Blanco	10 Field Name Freedom Unit	Surface Equip Diagram
11 Federal Indian or State Lease Number		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 Otr/Otr Sec Twp Rng Mer _____ attach directional survey

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 on this form are, to the best of my knowledge, true, correct and complete.

Signed _____ Date 4/20/2012 Email jessica.dooling@xtoenergy.com
Print Name Jessica Dooling Title Environmental Coordinator

COGCC Approved

Title

Date

CONDITIONS OF APPROVAL IF ANY

For
Chris Camfield
EPS NW Region

Pit Facility # 293831
Location ID # 335900

There are 4 pits
(drilling pits)
and one permit...

04/24/2012

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

1. OGCC Operator Number: 100264 API Number: 05-103-11138
2. Name of Operator: XTO Energy Inc. OGCC Facility ID #
3. Well/Facility Name: Freedom Unit Well/Facility Number: FRU 297-32A
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SE/NE, Sec 32, 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 297-32A 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.

Six representative background samples were collected from undisturbed areas adjacent to the subject location. Arsenic concentrations in those samples ranged from 2.7 mg/kg to 20.7 mg/kg. Applying the 10% variability factor to the highest concentration detected results in an allowable arsenic concentration level of 22.8 mg/kg.

Attached please find the Lab Data Summary Table and the Site Map indicating arsenic sampling locations attached.

Table 1
Location: FRU 297-32A
Lab Summary

Last update 4/20/2012

Analytical Parameter	Fresh Water Pit		Reserve Pit							Cuttings #1		Cuttings #2		Background 01/21/10						COGCC	Maximum based on Background	
(with units)	FW Pit Contents	FW Pit Subliner (xx/xx/xx)	RES Pit Contents 11/04/11	RES Pit Berm Subliner West ⁵ 12/08/11	RES Pit Berm Subliner West ⁵ (-6") 2/22/12	RES Pit Subliner 12/12/11	RES Pit Subliner (0' to -1') 02/02/12	RES Pit Subliner (0' to -1') Post M/B 3/20/12	RES Pit Subliner (-1' to -2') 02/02/12	CUT #1 Pit Contents 11/22/11	CUT #1 Pit Subliner 2/27/12	CUT #2 Pit Contents 12/02/11	CUT #2 Pit Subliner (3/7/12)	B1A @ 1.5'	B1B @ 10'	B2A @ 1.5'	B2B @ 3.5'	B3A @ 1.5'	B3B @ 8.5'	Table 910-1 Concentration Levels		
Accutest Job #	De Minimis Contents		D29206	D30146	D32152	D30326	D31606	D32939	D31607	D29744	D32264	D29943	D32609	D10554						-	-	
Sample type (Composite/Discrete)			C	C	C	C	C	C	C	C	C	C	C	C	D	D	D	D	D	D	-	-
TPH (GRO) (mg/Kg)			951	ND	ND	6.57	ND	ND	ND	ND	135	ND	93.5	8.20	-	-	-	-	-	-	-	-
TPH (DRO) (mg/Kg)			9600	3740	232	1140	562	498	55.1	1310	54.2	540	115		-	-	-	-	-	-	-	-
TPH (GRO + DRO) (mg/Kg)			10551	3740	232	1147	562	498	55.1		1445	54.2	544	123	-	-	-	-	-	-	500	-
Benzene (mg/Kg)			3.58	ND	-	ND	-	-	-	-	0.306	0.0533	0.944	0.0469	-	-	-	-	-	-	0.170	-
Toluene (mg/Kg)			31.2	ND	-	ND	-	-	-	-	0.72	0.125	6.43	0.105	-	-	-	-	-	-	85	-
Ethylbenzene (mg/Kg)			6.04	ND	-	ND	-	-	-	-	0.924	0.0379	1.32	ND	-	-	-	-	-	-	100	-
Xylenes (total) (mg/Kg)			101	ND	-	ND	-	-	-	-	3.86	0.192	5.8	0.144	-	-	-	-	-	-	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	-	-	-	-	-	-	0.22	-
Benzo(B)fluoranthene (mg/Kg)			ND	-	-	ND	-	-	-	-	ND	ND	ND	ND	-	-	-	-	-	-	2.2	-
Benzo(K)fluoranthene (mg/Kg)			ND	-	-	ND	-	-	-	-	ND	ND	0.0204	ND	-	-	-	-	-	-	0.022	-
Chrysene (mg/Kg)			ND	-	-	0.0164	-	-	-	-	ND	ND	ND	ND	-	-	-	-	-	-	22	-
Dibenzo(A,H)anthracene (mg/Kg)			ND	-	-	ND	-	-	-	-	ND	ND	0.0293	ND	-	-	-	-	-	-	0.022	-
Fluoranthene (mg/Kg)			ND	-	-	ND	-	-	-	-	0.241	ND	ND	ND	-	-	-	-	-	-	1000	-
Fluorene (mg/Kg)			4.35	-	-	0.0663	-	-	-	-	0.0328	ND	0.296	ND	-	-	-	-	-	-	1000	-
Indeno(1,2,3,C,D)pyrene (mg/Kg)			ND	-	-	ND	-	-	-	-	ND	ND	0.0208	ND	-	-	-	-	-	-	0.22	-
Naphthalene (mg/Kg)			6.13	-	-	0.0096	-	-	-	-	0.196	0.0309	1	0.0327	-	-	-	-	-	-	23	-
Pyrene (mg/Kg)			ND	-	-	0.0079	-	-	-	-	ND	ND	0.0904	ND	-	-	-	-	-	-	1000	-
Electrical Conductivity (mmhos/cm)			2.77	-	-	1.58	-	-	-	-	1.49	1.480	3.86	1.340	7.7	2.55	0.356	6.63	0.545	1.94	4	-
Sodium Adsorption Ratio (SAR)			48.3	-	-	19.3	-	-	-	-	18.4	12.1	59.9	10.5	32.3	10.6	0.889	11.9	1.77	6.85	12	-
pH			10.02	-	-	10.26	-	-	-	-	9.13	9.47	8.69	9.89	9.77	9.63	9.10	9.26	9.20	9.37	6-9	-
Arsenic (mg/kg)			5.1	-	-	3.6	-	-	-	-	13.8	2.6	6.6	3.6	2.7	7.1	3.7	3.5	20.7	7.6	0.39	22.8
Barium (mg/kg)			34400	-	-	915	-	-	-	-	4780	1390	6190	2100	-	-	-	-	-	-	15000	-
Cadmium (mg/kg)			<5.0	-	-	<1.2	-	-	-	-	<1.3	<1.1	<1.3	<1.1	-	-	-	-	-	-	70	-
Chromium (III) (mg/Kg)			19.3	-	-	47.6	-	-	-	-	19.1	41.5	12.8	42.6	-	-	-	-	-	-	120000	-
Chromium (VI) (mg/Kg)			1.9	-	-	<0.46	-	-	-	-	<0.55	<1.0	<0.56	<1.0	-	-	-	-	-	-	23	-
Copper (mg/kg)			111	-	-	9.3	-	-	-	-	32.3	12.0	27.5	13.5	-	-	-	-	-	-	3100	-
Lead (inorganic) (mg/kg)			89.7	-	-	11.3	-	-	-	-	16.3	10	16.4	11.1	-	-	-	-	-	-	400	-
Mercury (mg/kg)		<0.48	-	-	<0.12	-	-	-	-	<0.15	<0.11	<0.14	<0.11	-	-	-	-	-	-	23	-	
Nickel (mg/kg)		16.4	-	-	17.3	-	-	-	-	18.1	17.4	15.1	19.8	-	-	-	-	-	-	1600	-	
Selenium (mg/kg)		<250	-	-	<5.9	-	-	-	-	<32	<5.5	<66	<5.4	-	-	-	-	-	-	390	-	
Silver (mg/kg)		<15	-	-	<3.5	-	-	-	-	<3.8	<3.3	<3.9	<3.2	-	-	-	-	-	-	390	-	
Zinc (mg/kg)		51.1	-	-	41.9	-	-	-	-	56.8	42.3	49.9	43.1	-	-	-	-	-	-	23000	-	
% Solids			20.6	84.6	87.0	86.3	87.9	88.5	87.9	72.1	91.6	71.1	94.4	84.6	89.8	90.7	85.2	84.2	85.6	-	-	

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 at or below background levels.

3) "-" indicates no analysis.

4) See site map for sample locations.

5) Reserve pit west berm subliner was called Reserve pit south berm in Chain of Custody and laboratory reports.

