March 11, 2005

Mr. Paul Sheeley Environmental Engineer New Mexico Oil Conservation Division 1625 North French Hobbs, New Mexico 88240

Re: XTO Energy Inc.New Mexico State C NCT2 #10 Final C-141 and closure documentation UL H (SE¼ of the NE¼) of Section 19, T20S, R37E Latitude: 32°33'39.391"N and Longitude: 103°17'03.887"W Landowner: State of New Mexico Driving Directions: From the intersection of NMSR 8 and NMSR 322 in Monument, NM, go south on NMSR 8 for 6.4 miles. Then right on Maddox Road 4 miles, then right 1.0 miles, then right 0.15 miles, then right 0.15 miles to the NM State C NCT2 #10 work location.

Dear Mr. Sheeley:

Environmental Plus, Inc. (EPI), on behalf of Guy Haykus, XTO Energy Inc., submits the attached New Mexico Oil Conservation Division (NMOCD) final form C-141 for the above-referenced leak site located on land owned by the State of New Mexico, approximately 3.6 miles southwest of Monument, New Mexico. The attached site information and metrics form ranks the site in accordance with the **"NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)**." The impacted soil is exempt from EPA RCRA 40 CFR Part 261

NMOCD Site Rank and Remedial Goals

The New Mexico Office of the State Engineer information indicates an average depth to groundwater at the site of 35-feet below ground surface ('bgs) and identifies 2 agricultural water wells located within a 1,000-foot radius of the site. There were no surface water bodies observed to be within a 1,000-foot radius of the site. These characteristics result in a site ranking score of 40 points that applies the following remedial goals for the constituents of concern (CoCs):



CONSTITUENTS OF CONCERN/CONTAMINANTS	REMEDIAL GOAL
Benzene	10 mg/Kg*
BTEX (mass sum of benzene, toluene, ethylbenzene, and xylenes	50 mg/Kg
Total Petroleum Hydrocarbon 8015m (TPH ^{8015m})	100 mg/Kg
Chloride residuals must not be capable of impacting local water resources above	the New Mexico Water
Quality Control Commission (WQCC) water quality standard of 250 mg/Liter.	
*mg/Kg = milligrams per kilogram; which is equivalent to parts per million (ppm).	

Occurrence and Mitigation

The release occurred when the major head switch on the oil storage tank malfunctioned resulting in a release of approximately 28 barrels of crude oil onto the compacted caliche pad of the active well and tank battery pad and an area south of the pad. Approximately 25 barrels of crude oil were recovered and returned to the storage tank. The control switch was replaced and the battery placed back into service. The total release area covered approximately 7,260 square feet of surface area (140' x 100'). Photographs and maps are attached for reference.

Delineation and Remediation and Follow-up

XTO Energy Inc. delineated the vertical and horizontal extents of CoC impact during excavation of the release. Approximately 1-foot of the visibly impacted portion of the caliche pad north of the battery was removed and replaced with clean caliche. All excavated soil was initially stockpiled on plastic north of the wellpad prior to disposal off-site. Analytical results from the December 10, 2004 sampling of the sides and bottom of the excavation indicated the sidewalls were less than the NMOCD CoC remedial goals, the bottom TPH^{8015m} remained slightly elevated at 1,362 mg/Kg. An additional foot of soil was removed from the bottom of the excavation and resampled on December 15, 2004 and analyzed for TPH^{8015m} and the BTEX compounds. The analytical results were non-detectable (ND) and considered acceptable (reference the attached analytical result summary and illustrations and laboratory reports). The excavation was subsequently backfilled with local clean soil and contoured to the natural grade. A total of 908 cubic yards of soil impacted above the NMOCD CoC remedial goals was excavated and disposed of in the Environmental Plus, Inc. Landfarm #NM-01-0013. The site will be reseeded in the Spring of 2005.

Closure Request

EPI, on behalf of XTO Energy, Inc., requests that the NMOCD consider the information provided in this letter report and require "no further action" at the site.



If there are any questions or more information is needed, please call Mr. Cody Miller or myself at the office or at 505.631.8447 and 505.390.7864, respectively or Mr. Guy Haykus at 505.394.2089. All official communication should be addressed to:

Mr. Guy Haykus XTO Energy Inc. P.O. Box 700 Eunice, New Mexico 88231 505.394.2089

Sincerely,

Marla

Pat McCasland EPI Technical Services Manager enviplus1@aol.com

cc: Guy Haykus, XTO Energy Inc. (William_Haykus@XTOEnergy.com) Dudley McMinn, XTO Energy, Inc. (Dudley_McMinn@XTOEnergy.com) file

Enclosures:

Site Information and Metrics Form Final NMOCD form C-141 Annotated Topographical Map Site Map New Mexico Office of the State Engineer Water Well Report Photographs Analytical Results Summary Laboratory Reports

				XT.
ТО	Site Information a Metrics	and Incident Date: 12/7/2004	NMOCD No 12-8-04 @ 9	
SITE: New Mex	ico State-C NCT2 #10	Assigned S	te Reference #:	
Company: XTO		Prasigned of		
Street Address:	Linergy me.			
	200 N. Loraine Suite 8	00		
	Midland, Texas 79701			
Representative: G				
Representative Te		9		·····
Telephone:				
	ased (bbls): 28 bbls	Rec	overed (bbls): 25 t	obls
	>25 bbls: Notify N	MOCD verbally within 24 hrs an	submit form C=141 w	ithin 15 days.
	(Also	applies to unauthorized releases	>500 mcf Natural Gas)	
	(LSP) Name: NM Sta	within 15 days (Also applies to u	nauthorized releases of	50-500 met Natural Gas)
	ination: Crude Oil Stora			
	BLM, ST, Fee, Other: St			
LSP Dimensions	140' x 100'			
LSP Area:	$7,260 \text{ sqft} \text{ ft}^2$			
Location of Refere				
	and direction from RP			
	3'39.391"N			
Longitude: 103°1				
Elevation above m		7 'amsl (interpolated from t	e USGS topogram	hical map)
Feet from South S		and (marpointed nome	ie oboo topograp	
Feet from West Se	ection Line			
	1/41/4: SE1/4 of the NE1/4	Unit Letter	: H	
Location- Section:	: 19			
Location- Townsh	ip: T20S			
Location- Range: 1	R37E			
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	ells within 1000' radius o			
	ells within 1000' radius o			
A distanta bissi a		in a Cathair. A		
	wells within 1000' radiu			
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	District II Energy Minerals a 1301 W. Grand Avenue, Artesia, NM 88210 Oil Conserv District III 011 Conserv 1000 Rio Brazos Road, Aztec, NM 87410 1220 South	New Mexico and Natural Resources vation Division St. Francis Dr. , NM 87505		Subn Dis	Form (Revised March 17 nit 2 Copies to appro strict Office in accord with Rule 116 on side of	7, 1999 priate dance 1 back
	Release Notification	and Corrective	Action			
	OPERATOR		initial Report	· M	Figal Despet	
IΓ	Name of Company	Contact	innai kepor	t 🔀	Final Report	
	XTO Energy Inc.	Guy Haykus				
	Address	Telephone No.				
	200 N. Loraine Suite 800 Midland, Texas 79701	505.394.2089				
	Facility Name	Facility Type				
L	NM State C NCT2 #10	Crude Oil Storage	Tank			
16	Surface OwnerState of New Mexico *CCA	Mineral Owner	State	Lea	30-025-32691	
5			State		00 020 02001	
		OF RELEASE	East/West I			
H	Unit Letter Section Township Range Feet from the North H 19 T20S R37E Feet from the North	South Line Feet from the	e Eastwest I	Lane	County: Lea	
				!		
	Latitude:32*33'39.391''N	_ Longitude: _1	103°17'03.88'	<u>/* w</u>		
1		OF RELEASE				
	Type of Release Crude Oil	Volume of Release 28 bbls barrels		1	Recovered	
	Source of Release	Date and Hour of Occur	rence		s barrels Hour of Discovery	
	Crude Oil Storage Tank	12/7/2004 @ ?			@ 4:30 PM	
1	Was Immediate Notice Given?	If YES, To Whom? Paul Sheeley (Donna M	(mill)			- 1
ı H	By Whom?	•	.uii)			
	Janice Courtney	Date and Hour 12-8-04 @ 9:20 AM				
	Was a Watercourse Reached? 📋 Yes 🛛 No	If YES, Volume Impacti	ng the Water	course.		
14-						
	If a Watercourse was Impacted, Describe Fully.*	REVIEN				
		By Olivia	Yu at 1	:18 pm	n, Apr 26, 20	18
	Describe Cause of Problem and Remedial Action Taken.*	<u> </u>				
Η.	Crude Oil Storage Tank Head switch failed and crude oil storage tank	overnowed.				1
	Describe Area Affected and Cleanup Action Taken.*					
	A total of 908 cubic yards of soil impacted above the NMOCD CoC remed Landfarm #NM-01-0013. Remedial Goals achieved: TPH 8015m = 100 m	ial goals was excavated at	id disposed o	f in the En	vironmental Plus, In	1C.
	Ethyl Benzene, Toluene, and Xylenes = 50 mg/Kg.	g/kg, benzene = 10 mg/kj	g, ana DIEA,	, <i>i.e., ine m</i>	ass sum of Benzene,	
ĿĿ						
	hereby certify that the information given above is true and complete to the egulations all operators are required to report and/or file certain release not	best of my knowledge and ifications and perform corr	l understand t	hat pursuan s for release	it to NMOCD rules a	ind
11	public health or the environment. The acceptance of a C-141 report by the I	NMOCD marked as "Final	Report" does	not relieve	the operator of liabi	ility
1 5	hould their operations have failed to adequately investigate and remediate of	contamination that pose a t	hreat to grour	nd water, su	irface water, human	
	nealth or the environment. In addition, NMOCD acceptance of a C-141 rep other federal, state, or local laws and/or regulations.	ort does not relieve the ope	erator of respo	onsibility fo	or compliance with a	ny
	a support of a start of	OIL CO	NSERVA	TION	DIVISION	
r H	Signature: 200 Mayler EPT for D. Hayler	_				
	Printed Name: Guy Haykus	America by Distaint 6	·			
	e-mail: William_Haykus@XTOEnergy.com)	Approved by District 5	supervisor:			
1	Fitle: Supervisor	Anne Deter		East of	Deter	
	inter outpervisor	Approval Date:		Expiratio		
1	Date: 12/14/2004 Phone: 505.394.2089	Conditions of Approva	ıl:		Attached	
	* Attach Additional Sheets If Necessary	1RP-5027				
j			Г	nPRS05	511555617	
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pOY1811645811



New Mexico State C NCT2 #10



New Mexico State C NCT2 #10

New Mexico Office of the State Engineer

Page 1 of 1

Township: 20	S Range: 37E	Sections: 17,18,19	9,20,29,30,
NAD27 X:	Y:	Zone: 🔄	Search Radius:
County:	Basin:	Num	nber: Suffix:
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Well / S	Surface Data Report	Avg Dep	th to Water Report
	Wate	ar Column Report	
	Clear Form	WATERS Menu	Help

								(Depth	Water in	Feet)
		-		Zone	х	Y	Wells	Min	Max	Avg
L	205	37E	19				6	35	35	35

Record Count: 6

http://iwaters.ose.state.nm.us: 7001/iWATERS/WellAndSurfaceDispatcher

12/14/2004

















outh	Sampling Interval (IT BGS ¹) 0-1 4	SAMPLE ID# SAMPLE ID# STONMOT2LOHMEG STONMOT2LOHMEG STONMOT2PUMPLE	Dare Dare 1	New Me: Excav:	New Mexico State C NCT 2 #10	C NCT								
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Spoils Pile North Comp.	+	Stock Pile N.S.	12/14/04	Sand	85	55.6	1082	1137.6	1.461	1020	0.109	108	0.978	i i
		V	Method Detection Limit	tion Limit		2	9			0.002	cinto.	20010	CONTRACT OF CONTRACT.	11175
		New Mexico Oil Conservation Di	Division Remedial Goals	lial Goals	100.0		-	1	50.0000	10.000			Chine Service	1.111
100 ppm Isobutylene calibration gas 🚍 101 ppm	ш					4	"IPU-Total Petroleum fiydrazarlava = CBO+DBO	troleum flye	Inscarbon =	CRO+DRO				
bgs 🚽 below: ground surface						F	na - not analyzed	rcd						
² VOC-Volatile Organic Contaminants/Constituents	litucists					0	RTFX - Mae	e crim of h	anzone tole	PRTFX - Mass sum of hearene folgens of uthorneys and when				
¹ GRO-Gasohne Range Organics C ₄ -C ₁₂							ND - not detected above the method determine time.	and above of	the method the	terre, curyun	מוובפהס, מוג	sanayya u		
DRODINGER Range Character C.														

New Mexico State C NCT2 #10



XTO Energy Inc. New Mexico State C NCT2 #10

XTO Energy Inc. New Mexico State C NCT2 #10 **Benzene Delineation**





mg/Kg

XTO Energy Inc. New Mexico State C NCT2 #10 Total Petroleum Hydrocarbon 8015M Delineation

XTO Energy Inc. New Mexico State C NCT2 #10 Chloride Delineation

TPH Remedial Goal

TPH







PHONE (915) 573-7001 • 2111 BEECHWOOD • ABILENE, TX 79503 PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 12/10/04 Reporting Date: 12/14/04 Project Owner: XTO Project Name: NEW MEXICO C NCT #2 Project Location: NOT GIVEN Sampling Date: 12/10/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/AH

Cl* (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	GRO (C ₆ -C ₁₀) (mg/Kg)	ER SAMPLE ID	LAB NUMBI
12/13/04	12/13/04	12/13/04	DATE	ANALYSIS I
64	16.2	<10.0	SXTONMC121004SE	H9389-1
64	<10.0	<10.0	SXTONMC121004NE	H9389-2
64	1190	172	SXTONMC121004NBH	H9389-3
48	<10.0	<10.0	SXTONMC121004NW	H9389-4
64	<10.0	<10.0	SXTONMC121004SW	H9389-5
64	897	34.6	SXTONMC121004SP	H9389-6
1000	810	754	irol	Quality Conl
1000	800	800	20	True Value (
100	101	94.3		% Recovery
3.0	1.6	0.3	cent Difference	Relative Per

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B *Analyses performed on 1:4 w:v aqueous extracts.

es Ad Cash

4/04

H9389.XLS

PLEASE NOTE: Liability and Demeges. Cardina's liability and client's asclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the smount paid by client for analyses. All claims, including those for negligence and any other cause whetpower shall be deemed velved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinat be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profer incurred by client, its subsidiaries, affiliates or successore-arising out of or related to the performance of services hereunder by Cardinals, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.





PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 . 101 E. MARLAND . HOBBS. NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 12/10/2004 Reporting Date: 12/14/2004 Project Number: XTO Project Name: NEW MEXICO C NCT#2 Project Location: NOT GIVEN

Sampling Date: 12/10/2004 Sample Type: SOIL. Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: VB

lab numb	ER SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	
ANALYSIS	DATE:	12/13/04	12/13/04	12/13/04	12/13/04	12/13/04	
H9389-1	SXTONMC121004SE	< 0.002	< 0.002	0.003	0.003	0.007	
H9389-2	SXTONMC121004NE	< 0.002	< 0.002	< 0.002	< 0.002	<0.006	
H9389-3	SXTONMC121004NBH	0.011	0.373	0.460	0.708	2.15	
H9389-4	SXTONMC121004NW	< 0.002	< 0.002	< 0.002	< 0.002	<0.006	
H9389-5	SXTONMC121004SW	< 0.002	< 0.002	< 0.002	< 0.002	< 0.006	
H9389-6	SXTONMC121004SP	0.003	0.140	0.086	0.101	0.569	
Quality Con	itrol	0.092	0.108	0.105	0.105	0.311	
True Value		0.100	0.100	0.100	0.100	0.300	-1
% Recovery	/	91.6	108	105	105	104	1
Relative Pe	rcent Difference	7.0	1.9	2.0	2.6	5.4	

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Nictor Blunt, Ph.D.

12/14/2004 Date

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New Mexico State C NCT2 #10





PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO:

Receiving Date: 12/14/04 Reporting Date: 12/15/04 Project Owner: XTO Project Name: NEW MEXICO "C" NCT-2 Project Location: NOT GIVEN Sampling Date: 12/14/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC/AH

LAB NUMB	ER SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)	CI* (mg/Kg)
ANALYSIS	DATE	12/14/04	12/14/04	12/15/04
H9399-1	STOCK PILE E.S.	70.7	1430	64
H9399-2	STOCK PILE W.S.	80.3	1370	112
H9399-3	STOCK PILE S.S.	59.0	1280	80
H9399-4	STOCK PILE N.S.	55.6	1082	80
Quality Con	trol	810	792	1000
True Value	QC	800	800	1000
% Recovery		101	98.9	100
Relative Pe	cent Difference	4.0	1.6	3.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI: Std. Methods 4500-CI'B *Analyses performed on 1:4 w:v aqueous extracts.

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PHONE (505) 393-2326 + 101 E. MARLAND + HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 12/14/2004 Reporting Date: 12/16/2004 Project Number: XTO Project Name: NEW MEXICO C NCT#2 Project Location: NOT GIVEN

Sampling Date: 12/14/2004 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: VB

LAB NUMBER	SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DA	TE:	12/16/04	12/16/04	12/16/04	12/16/04	12/16/04
H9399-1	STOCK PILE E.S	0.014	0.336	0.145	< 0.002	0.918
H9399-2	STOCK PILE W.S	0.014	0.392	0.152	< 0.002	1.19
H9399-3	STOCK PILE S.S	0.008	0.130	0.203	0.098	0.852
H9399-4	STOCK PILE N.S	0.015	0.294	0.109	0.080	0.978
Quality Contro		0.086	0.0937	0.0895	0.0920	0.271
True Value QC		0.100	0.100	0.100	0.100	0.300
% Recovery		86.3	93.7	89.5	92.0	90.3
Relative Perce	nt Difference	0.4	7.4	8.5	7.3	7.2

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Mictor Blunt

12/16/2004 Date

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New Mexico State C NCT2 #10





PHONE (915) 873-7001 . 2111 BEECHWOOD . ABILENE, TX 79803

PHONE (505) 393-2326 . 101 E. MARLAND . HOBBS, NM 88240

ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS, INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 12/15/04 Reporting Date: 12/16/04 Project Owner: XTO Project Name: NEW MEXICO C NCT-2 Project Location: NOT GIVEN

Sampling Date: 12/15/04 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: BC Analyzed By: BC

LAB NUMBE	R SAMPLE ID	GRO (C5-C10) (mg/Kg)	DRO (>C ₁₀ -C ₂₈) (mg/Kg)
ANALYSIS D	DATE:	12/15/04	12/15/04
H9404-1	SXTO121504BHC	<10.0	<10.0
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Quality Cont	roi	810	792
True Value C		800	800
% Recovery		101	98.9
	cent Difference	4.0	1.6

METHOD: SW-846 8015 M

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ANALYTICAL RESULTS FOR ENVIRONMENTAL PLUS INC. ATTN: PAT McCASLAND P.O. BOX 1558 EUNICE, NM 88231 FAX TO: (505) 394-2601

Receiving Date: 12/15/2004 Reporting Date: 12/16/2004 Project Number: XTO Project Name: NEW MEXICO C NCT # 2 Project Location: NOT GIVEN

Sampling Date: 12/15/2004 Sample Type: SOIL Sample Condition: COOL & INTACT Sample Received By: GP Analyzed By: VB

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LAB NUMBE	ER SAMPLE ID	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS [DATE:	12/16/04	12/16/04	12/16/04	12/16/04	12/16/04
H9404-1	SXTO121504BHC	<0.002	<0.002	<0.002	<0.002	<0.006
= 7						
Quality Conti		0.086	0.0937	0.0895	0.0920	0.271
True Value C	2C	0.100	0.100	0.100	0.100	0.300
% Accuracy		86.3	93.7	89.5	92.0	90,3
Relative Per	cent Difference	0.4	7.4	8.5	7.3	7.2

METHODS: EPA - SW 846-8021B, 5030B; Gas Chromatography

Mictor Blunt

12/16/2004 Date

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