District I
4625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
nit 1 Copy to appropriate District Office in

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

						OPERA	TOR		☐ Initi	al Report	\boxtimes	Final Repor		
					(Contact: Otto Naegele								
						No.: (505) 333-3	3100							
Facility Name: Golden Bear #4					Facility Typ	e: Gas Well								
Surface Owner: State Mineral Owner									API No	o.: 30-045	-29422			
				LOC	ATION	OF RE	LEASE							
Unit Letter				_	South Line	Feet from the	East/\	West Line	County					
С	2	29N	13W	862	F	FNL 1850			FWL	San Juan				
				Latitude 36.7			ude -108.17791							
						OF REL		<u>u</u>						
Type of Rel	ease: Produc	ed Water		112%	CICL		Release: Unknow	wn	Volume l	Recovered:	None			
Source of R						Date and I	Hour of Occurrence		Date and			y: 07/16/2015		
Wast	into NI-t'-	7:0				Unknown	When 0 M/4		1:00PM					
Was Immed	iate Notice (Yes [No Not R	Required	If YES, To	Whom? N/A							
By Whom?						Date and I								
Was a Wate	rcourse Read		Yes 🗵	No		If YES, Vo	olume Impacting	the Wat	ercourse.	OIL CO	NS. D	IV DIST. 3		
If a Waterco	ourse was Im	pacted, Descr	ibe Fully.	*		•				00	T 0 1	2015		
this well site method 801 spill confirm	e. A compos 5 (DRO, GR nation standa	ite sample wa O, ORO), Be ards of 0.2 pp	s collected nzene and m benzen	beneath the loca BTEX via USEF e, 50 ppm total B	A method TEX, 100	d 8021, and to oppm TPH be	aken out of service of T, and submitted for total chlorides ut above the 250 juice. The site was	for labo The sa ppm tota	oratory anal imple return al chlorides	ar #4 well s lysis for TF ned results standards	site due PH via U below t at 290 p	to the P&A of JSEPA he 'Pit Rule' opm total		
this well site method 801 spill confirm chlorides, vi for the Rem	e. A compos 5 (DRO, GR nation standa ia USEPA M ediation of L than 1000 fo	ite sample wa O, ORO), Be ards of 0.2 pp lethod 9056, o eaks, Spills a	s collected nzene and m benzene confirming nd Release	I beneath the loca BTEX via USEF e, 50 ppm total B g that a release ha es. The site was r	TEX, 100 s occurred	d 8021, and a composite BG d 8021, and a composite BG d at this local d due to an element of the state BG du	T, and submitted for total chlorides	for laborate for l	oratory anal imple return al chlorides nked accord water of 50	ar #4 well s lysis for TF ned results s standards ding to the 0-100 feet,	site due PH via U below t at 290 p NMOC distance	to the P&A of JSEPA he 'Pit Rule' opm total D Guidelines e to a water		
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this well site method 801 spill confirm chlorides, vi for the Rem well greater ppm total B Describe Ar confirmed for the regulations is public health should their or the envirofederal, state Signature: Printed Nam	e. A compose (DRO, GR) nation standard USEPA Mediation of Ithan 1000 for TEX. Tea Affected for this location of the environment. In a second control of the environment of the environment of the environment. In a second control of the environment of the environment of the environment. In a second control of the environment of the environment of the environment. In a second control of the environment of the environment of the environment. In a second control of the environment of the	ite sample wa O, ORO), Be ards of 0.2 pp lethod 9056, of leaks, Spills a eet, and distant and Cleanup on, this is below information g are required to ronment. The nave failed to addition, NMC ws and/or region	s collected nzene and m benzene and m benzene confirming and Release ace to surface to surface to surface to surface acceptance adequately DCD accepulations.	Beneath the loca BTEX via USEF e, 50 ppm total B g that a release ha es. The site was race water greater ken.* Based on the MOCD guidelines e is true and com- ind/or file certain ce of a C-141 rep y investigate and	ne total che release no ort by the remediate report do	de on-site BG d 8021, and a Dppm TPH b d at this loca 0 due to an a 0 feet. This s allorides result diation of lea he best of my ottifications a he NMOCD m c contaminations not relieve	att, and submitted for total chlorides ut above the 250 ption. The site was estimated depth to tet the closure standards, spills and related as "Final Rion that pose a three the operator of OIL CON The Environmental State: 11/9/14	for labors. The samppm totals then rate of ground and ard to a USEP/eases. Nunderstatictive active a	oratory analymple returnal chlorides inked accordinate of 50 1000 ppm. A method 9 to further act and that purious for relidoes not relivous for cound water ibility for control or	ar #4 well says for Treed results a standards ding to the D-100 feet, TPH, 10 pm 1056 a release tion requires uant to NM 106 fees which is eases which is ease which is eases which is ease which is ease which is ease. The tree is ease which is ease which is ease which is ease which is ease. The tree is ease which	site due PH via U below t at 290 p NMOC distance pm benz see has b red. MOCD h may e erator o water, h with ar	to the P&A of JSEPA he 'Pit Rule' opm total D Guidelines e to a water zene, and 50 eeen rules and endanger of liability uman health		



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Tax I.D. 62-0814289

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Otto Naegele XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

Report Summary

Friday July 17, 2015

Report Number: L777133 Samples Received: 07/16/15 Client Project:

Description: Wastewater Treatment Plant

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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REPORT OF ANALYSIS

July 17,2015

Otto Naegele XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

> July 16, Golden Bear #4 16, 2015

ESC Sample # : L777133-01

Date Received : Description

Site ID :

Sample ID

FARON-071515-1230

Project # :

Collected By : Collection Date :

Otto Naegele 07/15/15 12:30

Parameter Dry Result Det. Limit Units Method Date Dil. Chloride 9056MOD 07/16/15 1 290 11. mg/kg Total Solids 90.6 ક 2540 G-2011 07/17/15 1 0.0028 mg/kg 07/17/15 Benzene BDT. 8021 5 0.028 07/17/15 Toluene BDL mg/kg 8021 5 0.0028 mg/kg 07/17/15 Ethylbenzene BDL 8021 5 Total Xylene TPH (GC/FID) Low Fraction BDL 0.0083 mg/kg 8021 07/17/15 5 BDL 0.55 mg/kg 8015 07/17/15 Surrogate Recovery-% a,a,a-Trifluorotoluene(FID) 85.6 8015 07/17/15 % Rec. a, a, a-Trifluorotoluene (PID) 106. % Rec. 8021 07/17/15 TPH (GC/FID) High Fraction 22. 4.4 3546/DRO 07/16/15 1 mg/kg Surrogate recovery(%) 07/16/15 1 o-Terphenyl 87.7 % Rec. 3546/DRO

Results listed are dry weight basis. BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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XTO Energy - San Juan Division Otto Naegele 382 County Road 3100

Aztec, NM 87410

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Quality Assurance Report Level II

L777133

July 17, 2015

			oratory Bl							
Analyte	Result	Ur	nits	% Rec		Limit		Batch	Date	Analyzed
Total Solids	< .1			A SPERMIN	WHAT TO	May 18 (M)		WG802843	07/17	/15 07:12
Chloride	< 10	mg	/kg	TO SECURE A				WG802539	07/16	/15 16:20
TPH (GC/FID) High Fraction	< 4	mg	/kg					WG802963	07/16	/15 16:06
o-Terphenyl		*	Rec.	81.90		50-150	OVER SUST	WG802963	07/16	/15 16:06
Benzene	< .0005		/kg				Name of Street			/15 05:15
Ethylbenzene	< .0005		/kg		-					/15 05:15
Toluene	< .005		/kg			AND THE RESERVE	- VALUE OF			/15 05:15
TPH (GC/FID) Low Fraction	< .1		/kg							/15 05:15
Total Xylene	< .0015		/kg				-			/15 05:15
a,a,a-Trifluorotoluene(FID)		*	Rec.	86.30		59-128		WG802807	07/17	/15 05:15
Analyte	Units	Result	Duplicate		RPD	Limit		Ref Sam	n	Batch
				2 10			- No.			
Total Solids	*	79.1	79.0		0.0972	5		L776930	-01	WG802843
Chloride	mg/kg	84.0	78.1		7.00	20		L776873		WG802539
Chloride	mg/kg	270.	265.		3.00	20		L776918	-02	WG802539
Analyte	Units	Laborat Known	ory Contro	l Sampl Resu		% Rec		Limit		Batch
Total Solids		50		50.0		100.	45.000	85-115	3.75	WG802843
Chloride	mg/kg	200		209.	CONTRACTOR OF STREET	104.		80-120		WG802539
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60		40.3		67.2 75.50		50-150 50-150		WG802963 WG802963
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	5.5		5.85		106. 123.0		63.5-137 59-128		WG802807
	T.e	aboratory (Control Cam	nla Dun	licato					
Analyte	Units I		Ref	*Rec	TICALE	Limit	RPD	Li	mit	Batch
Chloride	mg/kg 2	208.	209.	104.	aniba	80-120	0.0	20		WG802539
TPH (GC/FID) High Fraction	mg/kg 4	13.3	40.3	72.0		50-150	7.12	20		WG802963
o-Terphenyl				82.20		50-150				WG802963
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg 6	5.00	5.85	109. 111.0		63.5-137 59-128	2.46	20		WG802807
		I.	Matrix Spik	e						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit		Ref Samp		Batch
Chloride	mg/kg	591.	78.9	500	100.	80-120	THE REAL PROPERTY.	L776873-	22	WG802539

Performance of this Analyte is outside of established criteria.
 For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report Level II

L777133

July 17, 2015

			Matri:	x Spike					
Analyte	Units	MS Re	s Ref	Res TV	% Rec	Limit		Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	15.9	0.0	967 5.5	58.0	28.5-	138	L775496-01	WG80280
a,a,a-Trifluorotoluene(FID)					103.0	59-12	8		WG80280
		Ma	trix Spil	ke Duplicate					
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	582.	591.	101.	80-120	2.00	20	L776873-22	WG80253
TPH (GC/FID) Low Fraction	mg/kg	4.69	15.9	16.7*	28.5-138	109.*	23.6	L775496-01	WG80280
a,a,a-Trifluorotoluene(FID)				95.40	59-128				WG80280

Batch number /Run number / Sample number cross reference

WG802843: R3050606: L777133-01 WG802539: R3050620: L777133-01 WG802963: R3050628: L777133-01 WG802807: R3050689: L777133-01

^{* *} Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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XTO Energy - San Juan Division Otto Naegele 382 County Road 3100

Aztec, NM 87410

Quality Assurance Report Level II

L777133

July 17, 2015

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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Rush	Que	ote Number		Serve 1 et 1				Analysis/Container					Lab Information	
ENERGY Western Division	OHO Na James	Kurt, L	ogan	Page of XTO Contact Phone # 505-419-0289 Results to:									Office Abbreviation	
Well Site/Location Table Bear #4 Collected By Otto Naggle Company	30-045- San	API Number 30-045-29427 Samples on Ice (V/)N) Test Reason BGT Closure			Jaturday Delivery (V(N)) Turnaround Standard Next Day Two Day Three Day Same Day Date Needed							8 8	Purango = DUR lahken = BAK laton = RAT liceance = PC	
XTO Exercy 4	BGTC								hloride			L	loosevelt = RSV a Barge = LB Prangeville = OV	
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	TPH	BTE	ರ				Sample Number	
ARON-071515-1230	BGT Cellar	5	7/15/15	12:30	ontce	1	1	/	1				777133-4	
Carlot Harry France	and the second	SECTO IN		10-10-00-00										
Name of the Control o	20-21-4		- Const									- 4		
										-				
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