

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, 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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

Release Notification and Corrective Action

30-045-30273

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Aztec COM 4 #1E (30-045-30273)	Facility Type: Gas Well (Dakota)

Surface Owner: Private	Mineral Owner:	Lease No.: Fee
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LOCATION OF RELEASE

Unit Letter M	Section 16	Township 30N	Range 11W	Feet from the 1050	North/South Line FSL	Feet from the 870	East/West Line FWL	County San Juan
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Latitude: 36.80770 Longitude: -108.00222

RCVD NOV 4 '11  
OIL CONS. DIV.  
DIST. 3

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: unknown	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: NA
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

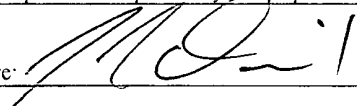
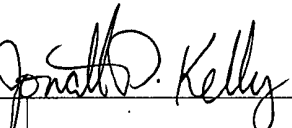
Describe Cause of Problem and Remedial Action Taken.\* ☐ The below grade tank was moved at the Aztec COM 4 #1E well site due to maintenance upgrades at the facility. The BGT was closed and brought above grade. The BGT cellar beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'pit rule' standards of 0.2 ppm benzene, 10 ppm total BTEX and 250 ppm chlorides, but above the 100 ppm TPH standard at 210 ppm via USEPA Method 418.1, confirming that a release had occurred.

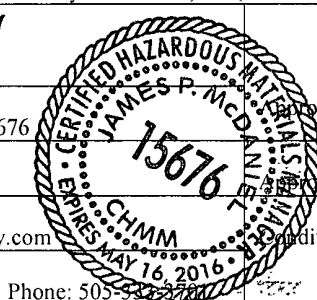
Describe Area Affected and Cleanup Action Taken \*

The site was then ranked a 40 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to a wash at less than 200 feet from the location and an estimated depth to groundwater of less than 50'. This set the closure standard to 100 ppm TPH and 100 ppm organic vapors. On October 19, 2011, approximately 130 cubic yards of impacted soil was removed to extents of 18' x 18' x 12' deep in one area, and to approximately 18' x 18' x 3' deep adjacent to the first excavation. Three (3) composite samples were collected from the excavated area. One (1) composite sample was collected from the bottom at 3', one (1) composite sample was collected from the bottom at 12' and one (1) composite sample was collected from the four (4) walls of the excavated area. All three (3) samples were analyzed in the laboratory for TPH via USEPA Method 418.1, and in the field for organic vapors. All three (3) samples returned organic vapor results below the 100 ppm standard, and the 3' bottom and the wall composite returned TPH results below 100 ppm via USEPA Method 418.1. The bottom sample from 12' deep returned TPH results of 110 ppm via USEPA Method 418.1, so the sample was analyzed additionally for TPH via USEPA Method 8015, returning results of 102.2 ppm TPH. At this time, Brandon Powell of the NMOCD Aztec Office was contacted on October 24, 2011. Due to the lack of benzene and BTEX constituents in the sample results (both are non-detect) the excavation was approved for closure by Brandon at 102.2 ppm TPH. All impacted soils were disposed of at IEI. All applicable analytical results and field notes are attached for your reference. No further action is required regarding this incident.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor: 
Printed Name: James McDaniel, CHMM #15676	Approval Date: 1/11/2012
Title: EH&S Supervisor	Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval:
Date: 11/2/2011	Attached <input type="checkbox"/>



nJK1201142605



# Nelson Revegetation On-Site Form

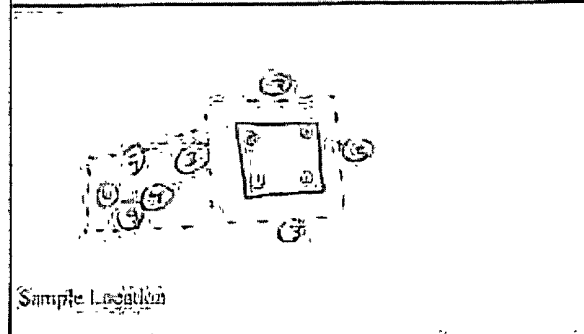
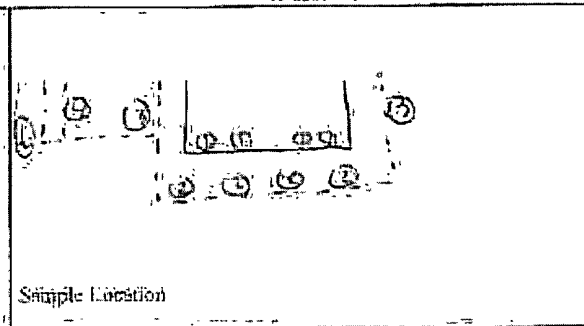
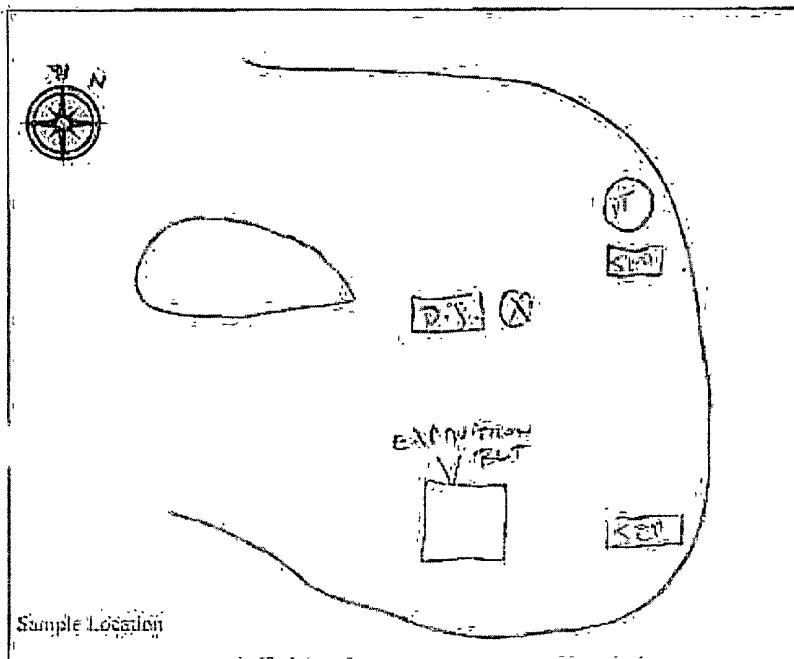
Well Name: KZTEL Cim 4 #1E API# 3004530273

Section: 16 Township: 30N Range: 11W County: SAN JUAN

Spill Amount: \_\_\_\_\_ bbls: Spilled (Oil / Produced Water / Other) \_\_\_\_\_

Land Use: (Grazing / Residential / Tribe) \_\_\_\_\_ Excavation: 18' x 18' x 12' Deep

Site Ranking: \_\_\_\_\_ NMOC-TPH Closure Standard: STELP - 18' x 18' x 3.0' Deep



Comments: DITCH NEAR BY. WASTE NEAR BY. WHILE CLEANING UP RAMP RUND. DARK GREY / BLACK MUD 3' DEEP.

		Method 418.1							
Time	Sample #	Description	Wt	Reading	Dilution	TPH	VOC	Lab Analysis	
922	=	100 BAR -					100.1	CAC STD	
926	1	WASH/STELP 1000					29.0	-	
1230	2	FLOOR CIMP / DARK BROWN (GATHERED IN / BENCH MARK)					6	8015	
1730	3	WALL CIMP / DARK TYPICAL (COMBINED IN / BENCH MARK)					ND	5015	
1305	4	POUCH / STRAW / OIL / BLACK / GREY					38		
1400	5	WASH / WOOD / TYPICAL					105		
1510	6	BROWN SOLID / BENCH / FLAT					ND	5015	

Name: BRAD GRIFFIN

Signature: Bl / 11/17

Date: 10/15/11 Time On-Site: 0831 Time Off-Site: 1045 Page: 1 of 1



## COVER LETTER

Friday, October 21, 2011

James McDaniel  
XTO Energy  
382 County Road 3100  
Aztec, NM 87410

TEL: (505) 333-3100  
FAX (505) 333-3280

RE: Aztec Com 4 # 1E

Order No.: 1110987

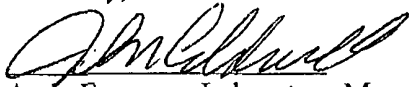
Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 10/20/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

*For*   
Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901  
AZ license # AZ0682

Andy Freeman  
Laboratory Manager

**Hall Environmental Analysis Laboratory, Inc.**

Date: 20-Oct-11

**CLIENT:** XTO Energy  
**Project:** Aztec Com 4 # 1E**Lab Order:** 1110987

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**Lab ID:** 1110987-01 **Collection Date:** 10/19/2011 12:30:00 PM  
**Client Sample ID:** Floor Comp **Matrix:** MEOH (SOIL)  

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 418.1: TPH</b> Analyst: JB						
Petroleum Hydrocarbons, TR	110	20		mg/Kg	1	10/20/2011

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**Lab ID:** 1110987-02 **Collection Date:** 10/19/2011 3:10:00 PM  
**Client Sample ID:** Bench Floor **Matrix:** MEOH (SOIL)  

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 418.1: TPH</b> Analyst: JB						
Petroleum Hydrocarbons, TR	46	20		mg/Kg	1	10/20/2011

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**Lab ID:** 1110987-03 **Collection Date:** 10/19/2011 3:20:00 PM  
**Client Sample ID:** Wall Composite **Matrix:** MEOH (SOIL)  

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 418.1: TPH</b> Analyst: JB						
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/20/2011

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<b>Qualifiers:</b>	<b>*</b> Value exceeds Maximum Contaminant Level	<b>B</b> Analyte detected in the associated Method Blank
	<b>E</b> Estimated Value	<b>H</b> Holding times for preparation of analysis exceeded
	<b>J</b> Analyte detected below quantitation limits	<b>MCL</b> Maximum Contaminant Level
	<b>NC</b> Non-Chlorinated	<b>ND</b> Not Detected at the Reporting Limit
	<b>PQL</b> Practical Quantitation Limit	<b>S</b> Spike recovery outside accepted recovery limits

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# Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-11  
Analytical Report

CLIENT: XTO Energy  
Lab Order: 1110987  
Project: Aztec Com 4 # 1E  
Lab ID: 1110987-01

Client Sample ID: Floor Comp  
Collection Date: 10/19/2011 12:30:00 PM  
Date Received: 10/20/2011  
Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	95	10		mg/Kg	1	10/21/2011 10:27:43 AM
Surr: DNOP	96.5	73.4-123		%REC	1	10/21/2011 10:27:43 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	7.2	5.0		mg/Kg	1	10/20/2011 7:53:58 PM
Surr: BFB	96.9	75.2-136		%REC	1	10/20/2011 7:53:58 PM

## Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
NC Non-Chlorinated  
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-11  
Analytical Report

CLIENT: XTO Energy  
Lab Order: 1110987  
Project: Aztec Com 4 # 1E  
Lab ID: 1110987-02

Client Sample ID: Bench Floor  
Collection Date: 10/19/2011 3:10:00 PM  
Date Received: 10/20/2011  
Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 418.1: TPH						Analyst: JB
Petroleum Hydrocarbons, TR	46	20		mg/Kg	1	10/20/2011

## Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
NC Non-Chlorinated  
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

Date: 21-Oct-11

Analytical Report

CLIENT: XTO Energy

Client Sample ID: Wall Composite

Lab Order: 1110987

Collection Date: 10/19/2011 3:20:00 PM

Project: Aztec Com 4 # 1E

Date Received: 10/20/2011

Lab ID: 1110987-03

Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<hr/>						
EPA METHOD 418.1: TPH						Analyst: JB
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	10/20/2011

## Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Estimated value  
J Analyte detected below quantitation limits  
NC Non-Chlorinated  
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
MCL Maximum Contaminant Level  
ND Not Detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

## QA/QC SUMMARY REPORT

Client: XTO Energy  
 Project: Aztec Com 4 # 1E

Work Order: 1110987

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 418.1: TPH</b>											
Sample ID: MB-28991		MBLK				Batch ID: 28991		Analysis Date:			10/20/2011
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-28991		LCS				Batch ID: 28991		Analysis Date:			10/20/2011
Petroleum Hydrocarbons, TR	100.0	mg/Kg	20	100	0	100	87.8	115			
<b>Method: EPA Method 8015B: Diesel Range Organics</b>											
Sample ID: MB-29001		MBLK				Batch ID: 29001		Analysis Date:			10/21/2011 9:27:28 AM
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-29001		LCS				Batch ID: 29001		Analysis Date:			10/21/2011 10:09:15 AM
Diesel Range Organics (DRO)	49.70	mg/Kg	10	50	0	99.4	66.7	119			
<b>Method: EPA Method 8015B: Gasoline Range</b>											
Sample ID: MB-28975		MBLK				Batch ID: 28975		Analysis Date:			10/20/2011 4:03:24 PM
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-28975		LCS				Batch ID: 28975		Analysis Date:			10/20/2011 11:12:58 AM
Gasoline Range Organics (GRO)	29.65	mg/Kg	5.0	25	0	119	86.4	132			

## Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

10/20/2011

Work Order Number 1110987

Received by:

MMG

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: Courier

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1.0°

<6° C Acceptable

If given sufficient time to cool

Number of preserved bottles checked for pH:

<2 >12 unless noted below.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

☐ EDD (Type) \_\_\_\_\_

Sample Temperature: 1.0°



Tel. 505-345-3975      Fax 505-345-4107

## Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
10/19	1546	BL GATT	Christopher Woods	10/19/11	1546	
Date:	Time:	Relinquished by:	Received by:	Date	Time	
10/19/11	1649	Christopher Woods	Michelle C.	10/20/11	9:30	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



# Industrial Ecosystems Inc.

#49 C.R. 1150 • Aztec, NM 87410  
Phone: 505-632-1782 • Fax: 505-632-1876

17965

Customer

XTO

Unit:

1-DC-1

Employee:

3D Services

Contact:

Daniel Carney

Date:

10-19-11

PO#:

Billing Code:

Location Name

AZAC Com 41E

☐ Jicarilla Apache Land ☐ Southern Ute Land

LABOR	HRS/UNITS		RATE		TOTAL
Equipment Operator	41000.1	Hours/Day	\$	Per hour/day	\$
General Laborer	41000.1	Hours	\$	Per hour	\$
Project Manager	41000.1	Hours	\$	Per hour	\$
Per Diem	41000.1	Hours	\$	Per day/man	\$
Travel Time	41000.1	Hours	\$	Per hour	\$
<b>EQUIPMENT</b>					
4wd Pickup	42000.1	Miles	\$	Per mile	\$
12yd Dump Truck	42000.1	Hours	\$	Per hour	\$
18yd Side Dump	42000.1	Hours	\$	Per hour	\$
Backhoe with Operator	42000.1	Hours	\$	Per hour	\$
Loader with Operator	42000.1	Hours	\$	Per hour	\$
Excavator with Operator	42000.1	Hours	\$	Per hour	\$
One Ton Truck	42000.1	Hours/Day	\$	Per hour/day	\$
Portable Pressure Wash	42000.1	Hours/Day	\$	Per hour/day	\$
Portable Pres. Wash Unit	42000.1	Hours	\$	Per hour	\$
80 Barrel Vacuum Truck	42000.1	Hours	\$	Per hour	\$
King Vac Truck with Crew	42000.1	Hours	\$	Per hour	\$
Skid Steer	42000.1	Hours	\$	Per hour	\$
Mileage	42000.1	Miles	\$	Per mile	\$
SCBA (Breathing Apparatus)	42000.1	Day	\$	Per day	\$
SCBA Refill	42000.1	Each	\$	Per Refill	\$
LEL, O <sub>2</sub> , H <sub>2</sub> S Monitoring	42000.1	Day	\$	Per day	\$
<b>SERVICES</b>					
Chloride Test	45000.2	Each	\$ 15.00	Per test	\$ 15.00
Mobile Dewatering	42100.1	Hours/Day	\$	Per hour/day	\$
Mob/Demob	42100.1	Hours	\$	Per hour	\$
Monthly Maintenance	45000.1	Month	\$	Per month	\$
<b>SUPPLIES</b>					
Soap/Degreaser		Gallons	\$	Per gallon	\$
Misc. Description:		Each	\$	Per:	\$
Virgin Soil/Gravel	45500.2	Cubic yard	\$	Per yard	\$
<b>DISPOSAL &amp; MISC.</b>					
Disposal Fee (solids)	44000.2	Cubic yard	\$ 2000	Per yard	\$ 2,600.00
Disposal Fee (liquids)	44100.2	Per barrel	\$	Per barrel	\$
Facility Use Fee	42000.2	Each	\$	Each	\$
<b>Sub Total</b>					2615.00
<b>Tax</b>					
<b>Total</b>					261.50

Comments:

Cont Soil

Employee Signature

Customer Signature

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

AMOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY FINANCE CHARGES OF 1 5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH. ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES.

\$2,353.50