

3R-1011

**Release Report/ General
Correspondence**

Enterprise SJ

Date: Jul-Sept 2014

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral C-7 Pipeline	Facility Type: Natural Gas Gather Pipeline

Surface Owner: BLM	Mineral Owner: BLM	API No.
---------------------------	---------------------------	---------

LOCATION OF RELEASE

Unit Letter C	Section 1	Township 27N	Range 9W	Feet from the 431	North South Line	Feet from the 2,394	East West Line	County San Juan
-------------------------	---------------------	------------------------	--------------------	--------------------------------	--------------------------------	----------------------------------	------------------------------	---------------------------

Latitude **36.61010** Longitude **-107.74052**

OIL CONS. DIV DIST. 3

NATURE OF RELEASE

JUL 18 2014

Type of Release: Natural gas and associated liquids	Volume of Release: 445.31 MCF	Volume Recovered: None
Source of Release: Internal corrosion of the pipeline	Date and Hour of Occurrence: 12/9/2013	Date and Hour of Discovery: 12/9/2013 @ 10:30 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD, Sherrie Landon - BLM	
By Whom? Thomas Long	Date and Hour 12/9/13 @ 10:25 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* A small unnamed ephemeral wash intersects CR 7007 and the release area. There were no visible surface impacts.

Describe Cause of Problem and Remedial Action Taken.* A technician discovered a pipeline leak on the Lateral C-7 pipeline. The line was isolated, depressurized and lock out tag out was applied. The release area is along the west side of CR 7007. Repairs began for week of December 9, 2013. Remediation was completed during June 2014.

Describe Area Affected and Cleanup Action Taken.* Repairs and initial remediation actions were completed in December 2013. Approximately 234 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved landfarm facility. On April 4, 2014 the release site was delineated using direct push technology. From June 14, 2014 to June 24, 2014, an additional 1,984 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved land farm facility for proper disposal. The final excavation measured 83 feet long by 48 feet wide ranging from five (5) to approximately 33 feet deep. A third party environmental contractor report is included with this "Final" C-141.

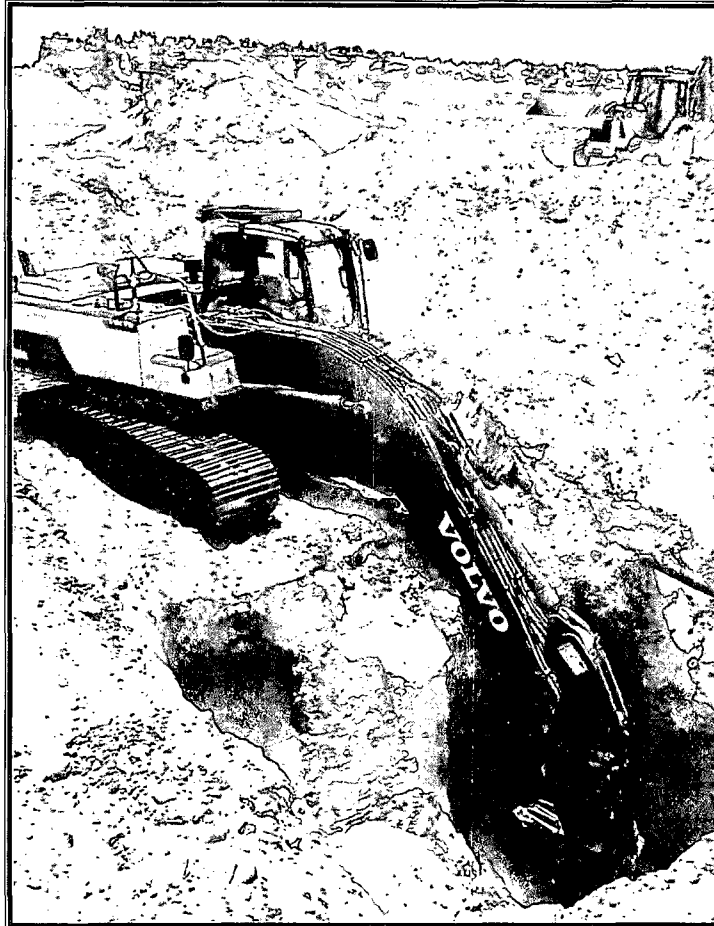
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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
Printed Name: Jon E. Fields	DENIED
Title: Director, Environmental	Approval Date
E-mail Address: jefields@eprod.com	BY: Cory Smith 8/27/14 DATE: (505) 334-6178 Ext. 115
Date:	Conditions of Approval: Attached <input type="checkbox"/>
Phone: (713) 381-6684	

* Attach Additional Sheets If Necessary

#NCS 1423940637

Enterprise Products
Lateral C-7 Pipeline Release
Latitude North 36.61010°, Longitude West -107.74052°
Lot 1 Section 1 T27N R9W
San Juan County, New Mexico
July 9, 2014



Submitted To:

Enterprise Products
Field Environmental-San Juan Basin
614 Reilly Avenue
Farmington, NM 87401

Submitted By:

Souder, Miller & Associates
401 West Broadway
Farmington, NM 87401
(505)325-7535



Table of Contents

1.0	Executive Summary	1
2.0	Introduction	1
3.0	Site Ranking and Land Jurisdiction	2
4.0	Summary of Field Activities	2
5.0	Conclusions and Recommendations	3
6.0	Closure and Limitations	3

Figures:

Figure 1: Vicinity Map
Figure 2: Site Map
Figure 3: Geoprobe Delineation Map
Figure 4: Soil Contaminant Concentration Map

Tables:

Table 1: Release Information
Table 2: Site Ranking
Table 3: Summary of Field Screening Results
Table 4: Summary of Laboratory Analysis

Appendices:

Appendix A: Field Notes
Appendix B: Site Photography
Appendix C: Soil Disposal Documentation
Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

On June 16 through June 24, 2014 Souder, Miller & Associates (SMA) oversaw the excavation of a hydrocarbon release associated with the Lateral C-7 pipeline initially reported on December 5, 2013. An initial excavation to repair the pipeline proceeded during the month of December, 2013, but due to permitting and access to excavate within the nearby San Juan County Road 7007, the excavation ceased. The table below summarizes information about the recent remediation activities.

TABLE 1: RELEASE INFORMATION					
Name	Lateral C-7 Pipeline Release				
Location	Latitude/Longitude		Section, Township, Range		
	36.61010°	-107.74052°	Lot 1	Section 1	T 27N, R 9W
Date Reported	December 5, 2013				
Reported to	Tom Long				
Land Owner	Bureau of Land Management (BLM)				
Reported To	BLM, NM Oil Conservation Division (NMOCD)				
Diameter of Pipeline	10 inches				
Source of Release	Internal Corrosion, Faulty Spiral Welds				
Release Contents	Natural Gas Liquids/Condensate				
Release Volume	Unknown				
Nearest Waterway	Unnamed Tributary Wash to Blanco Wash				
Depth to Groundwater	Assumed to be less than 50 feet				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	40				
SMA Response Dates	12/6-12/7/13, 12/9-12/14/13 and 12/16/13; 6/16-6/20/14 and 6/23-6/24/14				
Subcontractors	Energy Maintenance Services (EMS)				
Disposal Facility	Envirotech Landfarm				
Yd ³ Contaminated Soil Excavated and Disposed	2,218 Total: 234 yards ³ December 2013; 1984 yards ³ June 2014				

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Lateral C-7 pipeline. The C-7 pipeline release was a result of internal corrosion of the 10-inch, steel pipeline. In all, 10 release points were identified in an approximately 30 foot section of the 10-inch steel pipeline during the December, 2013, excavation and repairs. The release was initially reported on December 5, 2013. The pipeline is located in Lot 1, Section 1, Township 27 North, Range 9

West; 36.61010°, -107.74052°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located in an unnamed tributary wash of Blanco Wash on land managed by the Bureau of Land Management with an elevation of approximately 5,916 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs). Figure 2 depicts the site location.

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, 10 wells were located within a 1 mile radius of the site. The physical location of this release is within the jurisdiction of the Bureau of Land Management.

This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On December 6-7, 2013, December 9-14, 2013, and December 16, 2013 SMA mobilized to the release site to oversee excavation activities during the repair of the Pipeline. On April 4, 2014, SMA employed a Geoprobe® direct push drill rig to further delineate the subsurface release. A map of the direct push delineation is illustrated in Figure 3.

On June 16, SMA oversaw and directed the excavation of hydrocarbon impacted soils by Energy Maintenance Services (EMS). SMA guided the excavation activities by collecting soil samples for field screening with a calibrated photo-ionization detector (PID). Table 3 summarizes the field screening results. Field notes are included in Appendix A.

Soil samples were initially field screened with a calibrated PID. Samples suspected of hydrocarbon contamination below regulatory standards were submitted for conformation laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Envirotech Analytical Laboratory in Farmington, New Mexico. Figure 4 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

The final excavation dimensions were approximately 83 feet long by 48 feet wide and up to 33.5 feet deep, covering an area of approximately 3,800 square feet. In total, approximately 2,218 cubic yards of material were excavated. During the December, 2013 approximately 234 cubic yards of hydrocarbon contaminated soil were excavated and transported for disposal. During June, 2014 approximately 1,984 cubic yards of soil were hauled to Envirotech Land Farm near

Bloomfield, New Mexico for proper disposal and replaced with clean backfill material. Soil disposal documentation is included in Appendix C. Site photography is included in Appendix B.

5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH.

Laboratory analytical results for all samples collected during the June, 2014 excavation indicate concentrations below NMOCD Guidelines with the exception of those collected from the east base (SC-132 Base Mid of E Wall @ 23') and east wall (E Wall Mid @ 6-23') on June 23, 2014. The locations of these two samples were further excavated on June 24, 2014, and additional samples were collected and submitted for laboratory analysis. Specifically, the base of the excavation was further excavated to 33.5 feet bgs and the east wall was excavated approximately 6 feet further to the east. The subsequent samples collected from these two locations were submitted for laboratory analysis on June 24, 2014. The subsequent sample results were below NMOCD/BLM Guidelines for benzene, BTEX and TPH. During the excavation, continued reporting of laboratory results and correspondence from Enterprise and SMA with the BLM allowed for approved backfilling as the excavation continued. The backfilling of the excavation was completed on June 27, 2014.

Soil contaminant concentrations are illustrated in Figure 4. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further activities at the Lateral C-7 site.

6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

If there are any questions regarding this report, please contact either Steve Moskal or Reid Allan at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

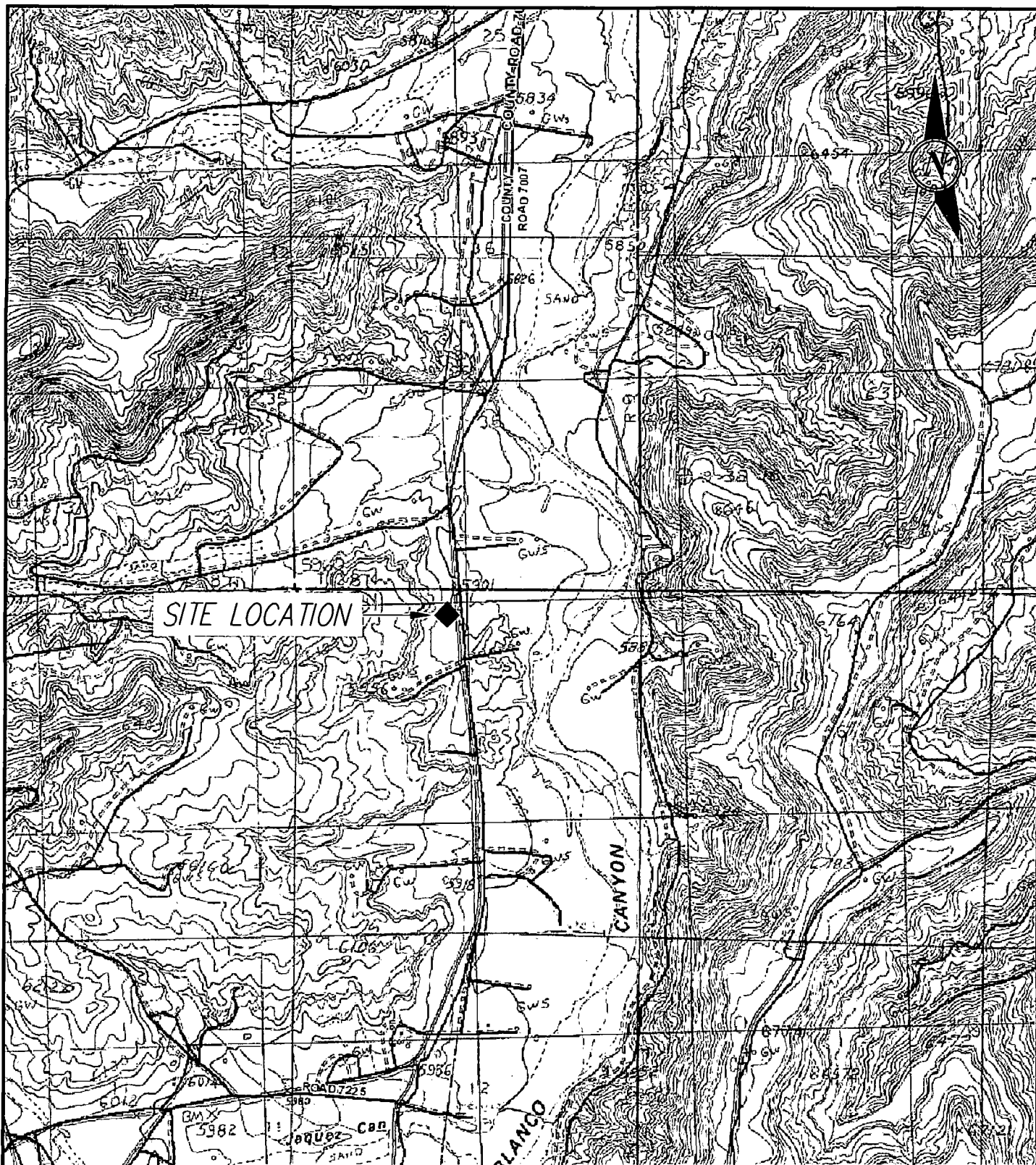


Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist

Figures



SOUDER, MILLER & ASSOCIATES
 2101 SAN JUAN BOULEVARD
 FARMINGTON, NM 87401-2247

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045

www.soudermiller.com

Serving the Southwest & Rocky Mountains
 Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
 Chaco - Grand Junction - Montrose, CO - Salt Lake City, UT

ENTERPRISE

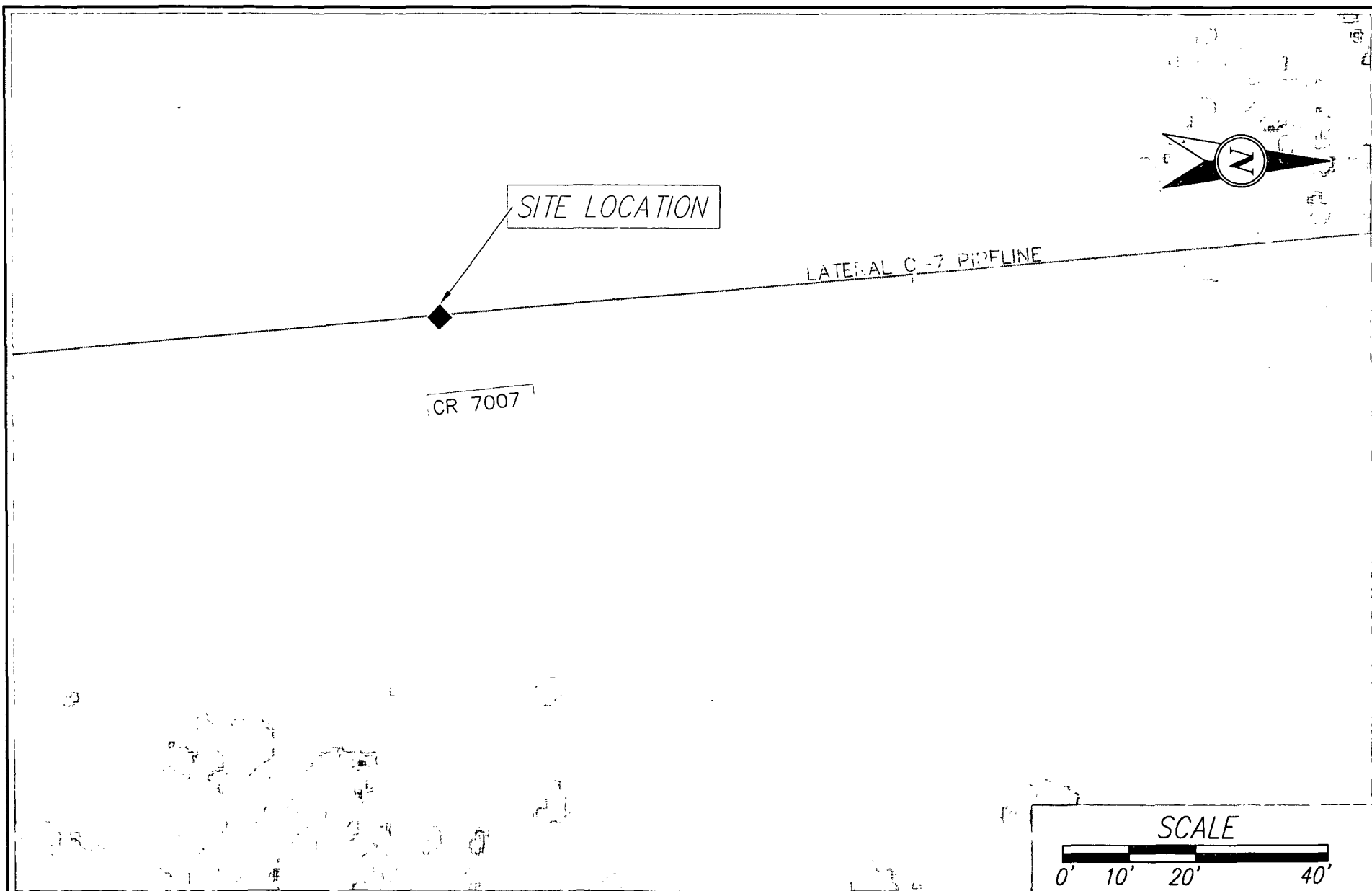
FARMINGTON, NEW MEXICO

VICINITY MAP
 LATERAL C-7
 SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO

Designed	Drawn	Checked
SM	DJB	RSA
Date: 1/3/2014		
Scale: Horiz: 1"=2000'		
Vert: N/A		
Project No: 5122104		
Sheet: 1		

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com

Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM • El Paso, TX
Cortez • Grand Junction • Montrose, CO • Safford, AZ • Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

**SITE LOCATION MAP
LATERAL C-7
SECTION 1, T27N, R9W**

SAN JUAN COUNTY, NEW MEXICO

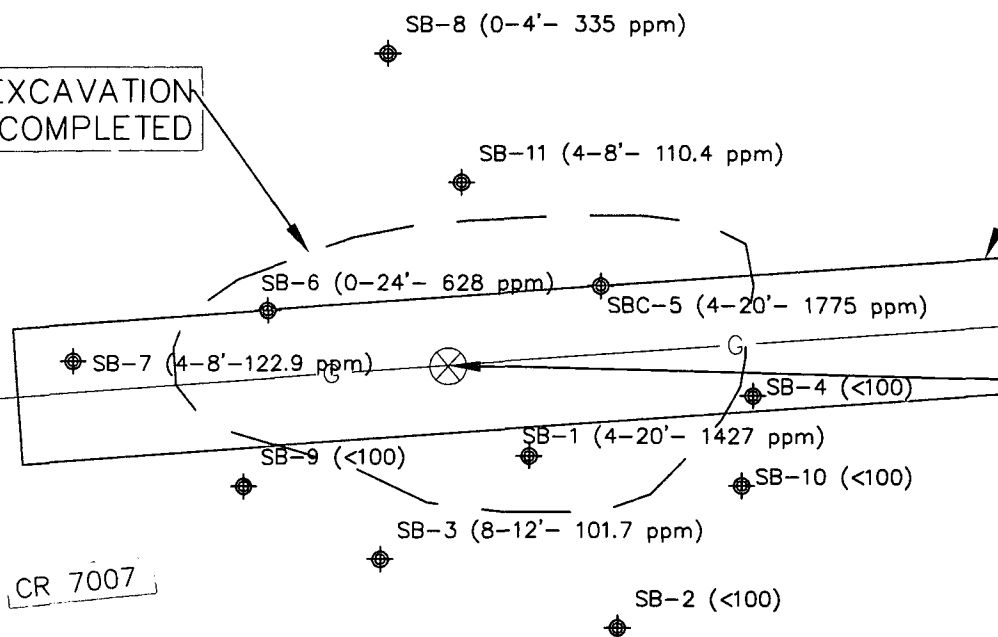
Designed SM	Drawn DJB	Checked RSA
Date: 7/9/2014		
Scale: Horiz: 1"=20'		
Vart: N/A		
Project No: 5122104		
Sheet: 2		

THIS DRAWING IS THE PROPERTY OF SMA AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS REPRODUCED AND SIGNED BY SMA



ESTIMATED EXCAVATION
TO BE COMPLETED

APPROX. EXTENT
OF DEC. 2013
EXCAVATION



INDICATES BORING LOCATION
AND DEPTHS OF DETECTED
CONTAMINATION >100 ppm



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT

ENTERPRISE

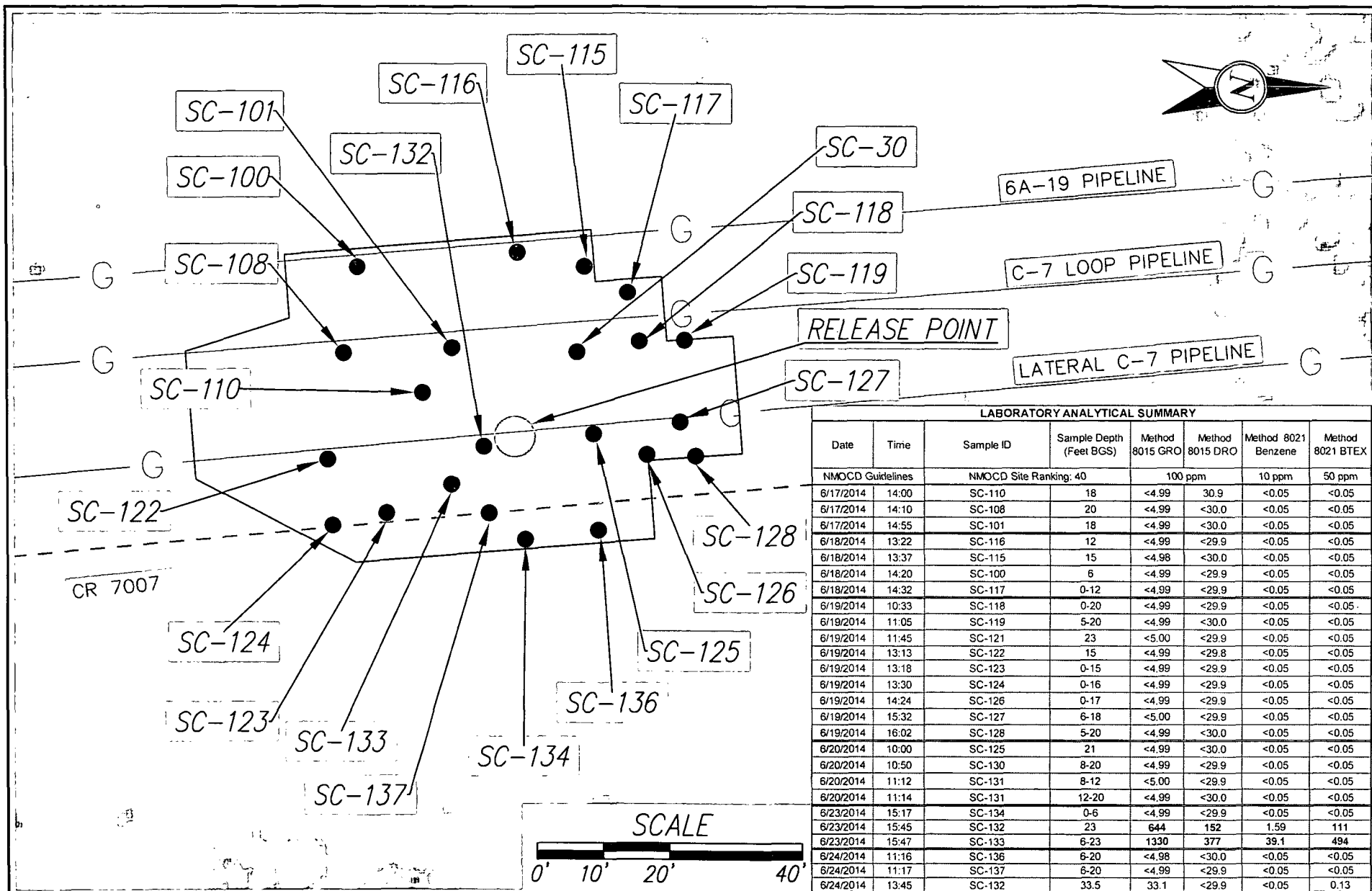
FARMINGTON, NEW MEXICO

GEOPROBE DELINEATION
LATERAL C-7
SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 4/8/2014		
Scale: Horiz: 1"=20'		
Scale: Vert: N/A		
Project No: 5122855		
Sheet: 3		

THIS DRAWING IS INCOMPLETE AND NOT TO
BE USED FOR CONSTRUCTION UNLESS IT IS
STAMPED, SIGNED AND DATED



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOC Guidelines		NMOC Site Ranking: 40		100 ppm		10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05	<0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	<0.05	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05	<0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05	<0.05
6/23/2014	15:45	SC-132	23	644	152	1.59	111
6/23/2014	15:47	SC-133	6-23	1330	377	39.1	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05	0.13



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

SOIL CONTAMINANT CONCENTRATION MAP LATERAL C-7 SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 7/9/2014	Scale: Horiz: 1"=20'	Scale: Vert: N/A
Project No: 5122855	Sheet: 4	

THIS DRAWING IS THE PROPERTY OF SMA. IT IS TO BE USED FOR THE PROJECT AND NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF SMA.

Tables

Enterprise Products
Table 2: Site Ranking

Lateral C-7
Pipeline Release
7/9/2014

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Field verification that release is located within an unnamed wash.	Groundwater is assumed to be less than 50 feet below ground surface.
50' to 99' = 10			
>100' = 0			
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20	20	Field verification that release is located within an unnamed wash.	Release is located within an unnamed tributary wash of Blanco Wash.
200'-1000' = 10			
>1000' = 0			
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0	NM State Engineer Water Well Database	No recorded water wells located with 1000'; Ten wells located within a 1 mile radius.
Total Site Ranking	40		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



Enterprise Products
Table 3: Summary of Excavation
Field Screening Results (PPM)

Lateral C-7
Pipeline Release
7/9/2014

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
6/16/2014	12:05	SC-100	6	24.7	N
6/16/2014	12:20	SC-101	5	18.4	N
6/16/2014	13:10	SC-102	8	364.8	N
6/16/2014	13:25	SC-103	12	242.1	N
6/16/2014	13:50	SC-103	18	64.2	N
6/16/2014	13:55	SC-101	10	92	N
6/16/2014	14:30	SC-104	8	41	N
6/16/2014	15:35	SC-105	14	1171	N
6/16/2014	16:00	SC-106	8	1365	N
6/17/2014	11:05	SC-107	16	13.1	N
6/17/2014	11:08	SC-108	10	9.4	N
6/17/2014	11:10	SC-109	12	734.6	N
6/17/2014	14:00	SC-110	18	30.4	Y
6/17/2014	14:10	SC-108	20	176.2	Y
6/17/2014	14:55	SC-101	18	43.8	Y
6/17/2014	15:40	SC-111	20	2367	N
6/17/2014	15:50	SC-112	0-12	1045	N
6/18/2014	10:35	SC-113	20	5160	N
6/18/2014	10:37	SC-114	0-18	458.6	N
6/18/2014	13:00	SC-115	7	22.5	N
6/18/2014	13:10	SC-115	12	226.5	N
6/18/2014	13:22	SC-116	12	42.6	Y
6/18/2014	13:37	SC-115	15	80.6	Y
6/18/2014	14:20	SC-100	6	29.7	Y
6/18/2014	14:32	SC-117	0-12	161.5	Y
6/19/2014	10:33	SC-118	0-20	74.6	Y
6/19/2014	10:50	SC-119	5-18	65.4	N
6/19/2014	11:05	SC-119	5-20	184.1	Y
6/19/2014	11:10	SC-120	5-20	366.6	N
6/19/2014	11:45	SC-121	23	181.3	Y
6/19/2014	13:13	SC-122	15	61.1	Y
6/19/2014	13:18	SC-123	0-15	41.7	Y
6/19/2014	13:30	SC-124	0-16	43.9	Y
6/19/2014	14:20	SC-125	18	1299	N
6/19/2014	14:24	SC-126	0-17	74.8	Y
6/19/2014	15:32	SC-127	6-18	53.9	Y
6/19/2014	16:02	SC-128	5-20	9.4	Y
6/20/2014	10:00	SC-125	20	35	Y
6/20/2014	10:12	SC-129	17	1741	N
6/20/2014	10:50	SC-130	8-20	7.1	Y
6/20/2014	11:12	SC-131	8-12	11.3	Y
6/20/2014	11:14	SC-131	12-21	22.6	Y
6/23/2014	11:20	SC-132	17	5196	N
6/23/2014	13:45	SC-133	8-20	2770	N
6/23/2014	13:47	SC-132	20	1616	N
6/23/2014	14:05	SC-132	22.5	1171	N
6/23/2014	15:17	SC-134	0-6	3.4	Y
6/23/2014	15:45	SC-132	23	1504	Y
6/23/2014	15:47	SC-133	6-23	1739	Y
6/24/2014	10:40	SC-135	12	1066	N
6/24/2014	11:05	SC-135	19	176.7	N
6/24/2014	11:16	SC-136	6-20	58.3	Y
6/24/2014	11:17	SC-137	6-20	165.8	Y
6/24/2014	11:30	SC-132	25	1793	N
6/24/2014	13:20	SC-133	31	9691	N
6/24/2014	13:22	SC-138	0-20	1542	N
6/24/2014	13:45	SC-132	33.5	748.1	Y



Enterprise Products
Table 4: Summary of Laboratory Analysis
Results in mg/Kg

Lateral C-7
Pipeline Release
7/9/2014

LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 40		100 ppm		10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05	<0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	<0.05	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05	<0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05	<0.05
6/23/2014	15:45	SC-132	23	644	152	1.59	111
6/23/2014	15:47	SC-133	6-23	1330	377	39.1	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05	0.13



Appendix A

Field Notes

- On site @ 10:00, conduct HASP and EPCO safe work permit
- Hydro vac. To expose mid pipeline and E Pipeline
- Begin excavation of mid pipeline (C-7 loop) @ 11:45
- Begin E Pipeline excavation (lateral C-7) @ 12:20
- Excavate along C-7 loop (middle pipeline) and C-7. C-7 not able to be excavated until tomorrow when LOTO and blown down.
- Final excavation approx 17' W x 50' L x 18' D.
- Off site @ 1635

6/17/14

- On site @ 0945, Perform HASP, EPCO safe work permit.
- 1015 - Excavate a bench so that the excavator is able to reach the middle of the excavation.
- 1030 - Talk w/ EPCO about hazards and problems w/ the excavation due to depth, pipeline depth and soil conditions. Pipeline approx 9' bgs and depth of excavation approaching 30' bgs. Sandy soils causing sloughing of sidewalls. Continue excavation until 1200.
- 1200 - Tom Long has been given approval from BLM to backfill as necessary with confirmation Lab samples.
- (Lunch)
- Collect samples for lab analysis (8021, 805) from SW corner walls (0-18') and base (20') and submit to Envirotech Lab for Rush turnaround.
- Off site @ 1630

SC-101, 108, 110

~~40th Ave~~~~10736~~

SUBJECT

Lateral C-7

PROJECT

PAGE

CLIENT

EPCO

DATE

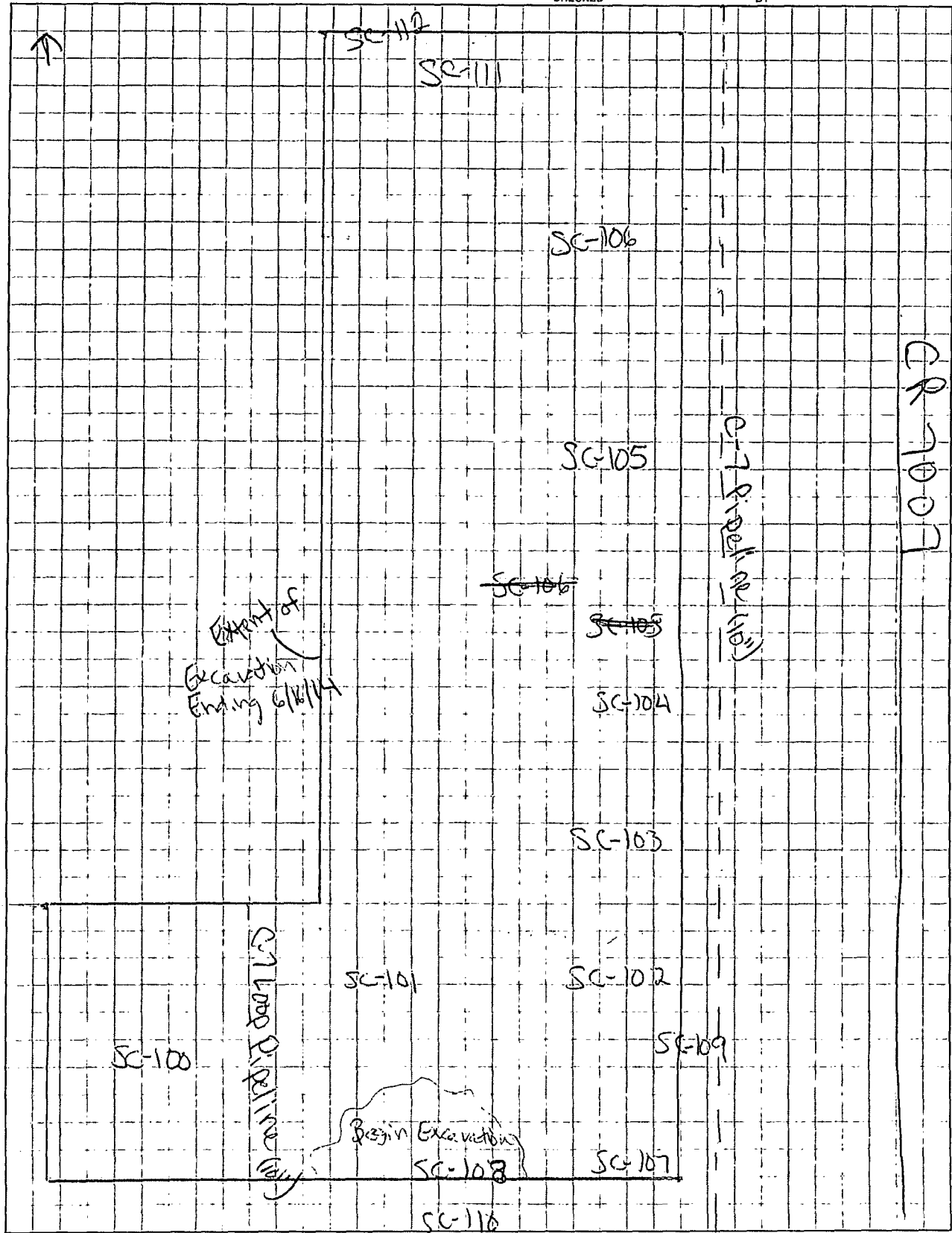
6/16/14

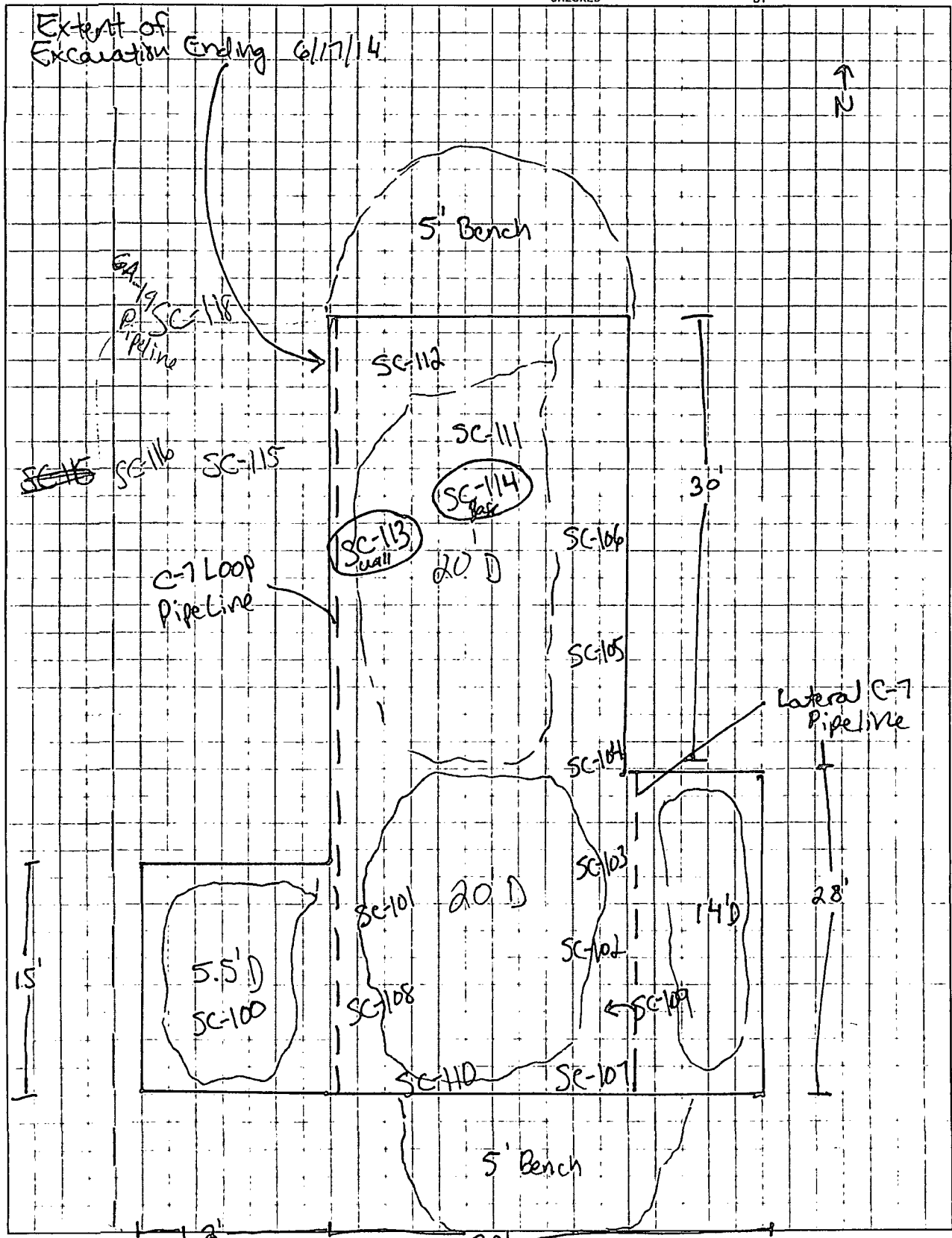
BY

SJM

CHECKED

BY





- On site @ 0930, awaiting lab results on samples submitted on 6/17/14.
- Calibrate PID: 99.8 ppm
- Begin excavation of N wall and West wall and N. Base, N. Base @ 20' bgs. limit of excavation.
- W wall \approx 450 ppm, pit hole between C-7 loop & Co A-19 Pipe/Wall \approx 12' bgs where readings on PID $<$ 100 ppm.
- Collect samples along W walls (W of C-7 loop pipeline) and base.
- Off site @ 1510 to take samples to Envirotech for analysis

6/19/14

- On site @ 0900, HASP/ Safe work/ LOTO
- Continue excavation to the North approx 3' N X 20' D
- Move to excavate SE corner along C-7 loop, PID field is showing below 100 ppm collect lab samples from walls & base.
- Return to North portion, base is high PID @ ~~17~~ 18" \approx 18"
- North wall excavated to N \approx 5' X 20' D, collect samples for Lab.
- Contaminated soil remains E of lat C-7 PL and below lat C-7 PL.
- 9 samples submitted to lab for confirmation (NW, SE, N base)
- Off site @ 1630
- Envirotech closed (1715), samples will be submitted early 6/20/14.

- Submit 9 samples to Envirotech Lab @ 0700.
- on site @ 0930, HASP/ Safe work/ LOTO
- Excavate N base east of Lat C-7 PL to 21', collect PID @ acceptable level, collect sample
- Excavate below Lat C-7 PL to Approx 21' and even w/ N wall. PID levels acceptable
- Collect sample from E wall on N portion of excavation (one @ 8-12' and one @ 20-21') for lab analysis.
- Lab results ~~submitted~~ on samples submitted @ AM of 6/20 (1245) will not be available until ≈ 5pm or Monday. Shut down excavation, only soil excavated will be hauled for off site disposal.
- off site @ 1250
- submit samples to Envirotech.

6/23/14

- on site @ 0930, HASP/ EPCO Safe work/ LOTO
- Received lab results for 9 samples submitted on 6/20/14. (AM) ~~Approved~~ results to BLM for approval. BLM approved Backfill.
- Received lab results for 4 sample submitted on 6/20/14 (PM). Provided results to BLM for approval; BLM approved backfill.
- Backfill excavation on W. side of Lateral C-7 Pipeline. ~~The~~ center ~~section~~ section of the excavation E of the Lateral C-7 PL remains to be excavated. The backfilling will allow the remaining section to be excavated along In County Road 7007. (1100)
- Excavate to ≈ 23.5' bgs in final section. PID reading ≈ 1500-1700 ppm. Collect lab sample for confirmation

6/24/14

- On site @ 0900, HASP, EPCO Safe Work Permit/LOTO
- Pending lab results from samples collected on 6/23/14
- Excavate in CR7007 further to the N where SC-126 was collected.
- Excavate base ~~to~~ below Lat C-7 pipeline to $\approx 25'$ bgs, PID = 1790 ppm
- ~~Excavate~~ Bench excavator down an additional 4' excavate base to $\approx 31'$, PID = 9700 ppm. Appears to be a 'sandy clay' layer
- Excavate to 33.5 bgs to end of clay layer, PID dropped to 748.1 ppm. Collect lab sample. EPCO, EMS and SMHA all concerned w/ safety of 33+ feet deep excavation. Backfill pending lab results.
- Off site @ 1545.

6/25/14

- Not on site. Pending lab results.
- Lab results below standard, notify BLM, BLM approves backfill (1000)

SUBJECT Lateral C-7

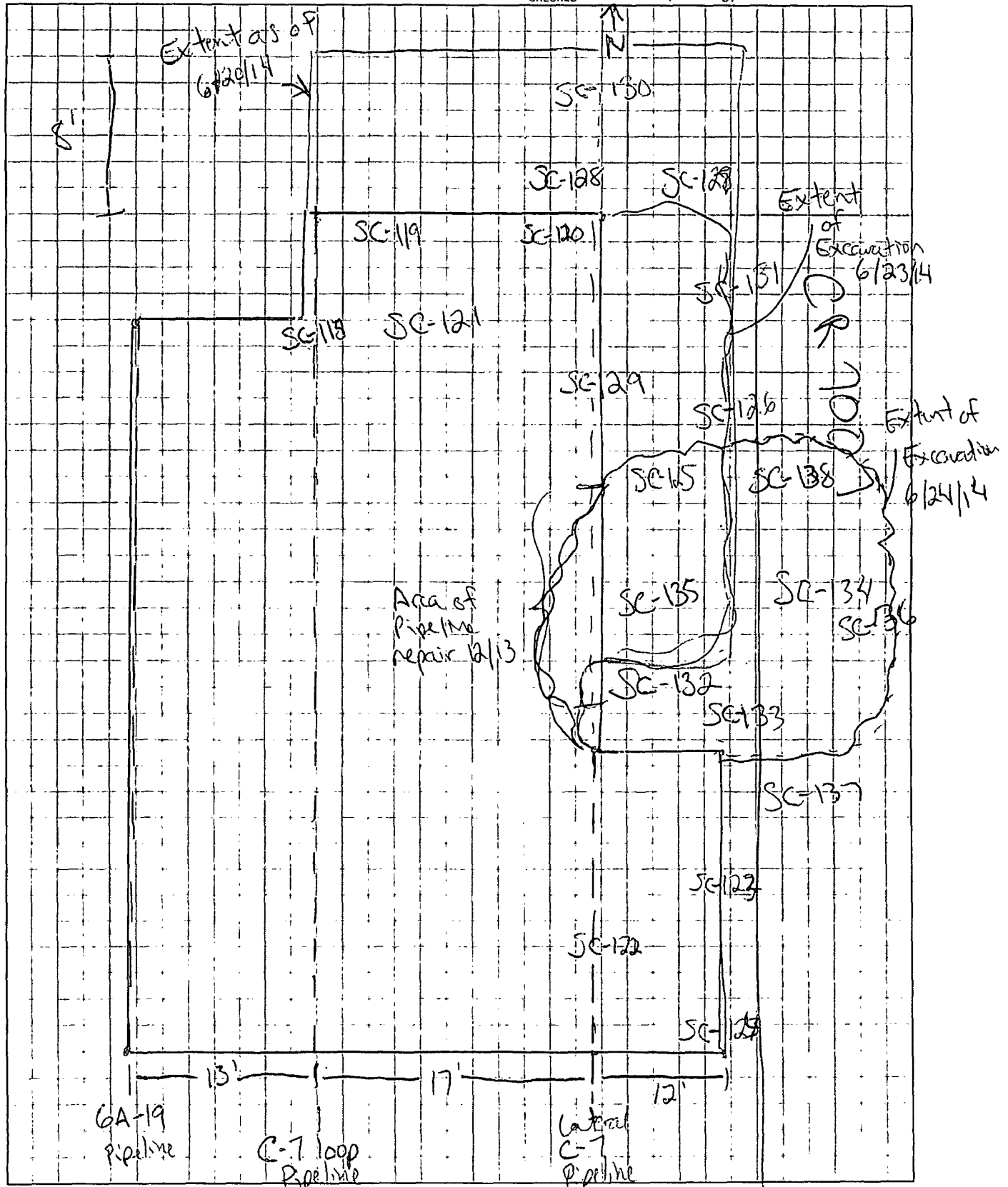
PROJECT 522855 BG13 PAGE

CLIENT EPLD

DATE 6/19/14 BY STM

-6/24/14

CHECKED BY



SUBJECT Lateral C-7

PROJECT 5122855 PG 13 PAGE

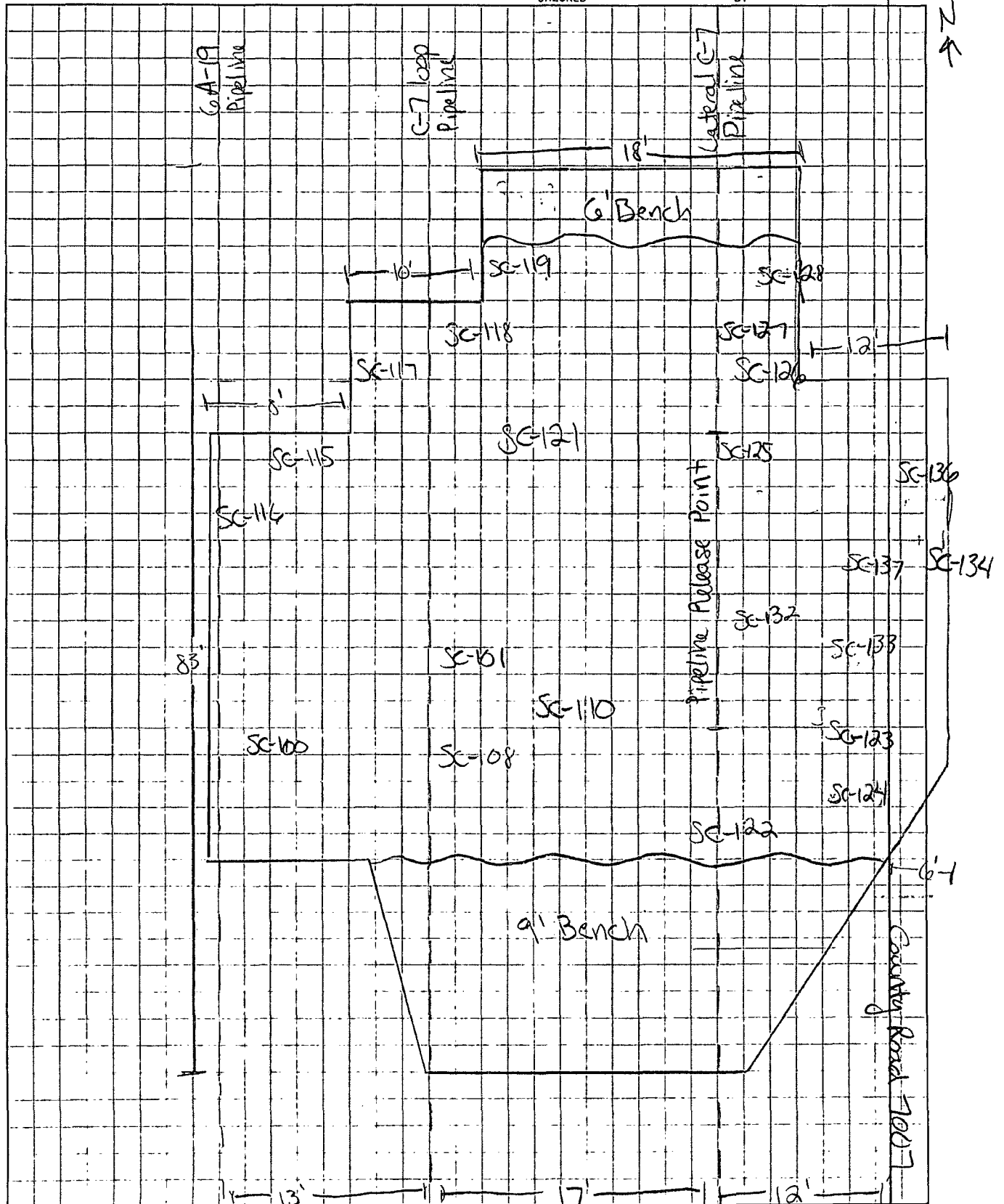
CLIENT EPCO

DATE 6/27/14

BY SJM

CHECKED

BY



Field Screening

#1

Location Name

Date

Lateral C-7

6/16/14

Location Name

Description

Depth (Feet
BGS)

Time Collected

Time
Screened

PID Reading
(ppm)

SC-100

(mid pipeline)
5' W of C-7 loop

6'

1205

1215

24.7

SC-101

5' E of C-7 loop

5'

1220

1227

18.4

SC-102

5' W of C-7 PL

8'

1310

1320

364.8

SC-103

5' W of C-7 PL

12'

1325

1342

242.1

"

" "

18'

1350

1356

64.2

SC-104

" "

10'

1355

1402

92.0

SC-104

5' W of C-7,
Clean Backfill from previous

8'

1430

1436

41.0

SC-105

5' W of C-7 PL

14'

1535

1542

1171
~~136~~

SC-106

8' W of C-7 PL

8'

1600

1605

1365

5/17/14

SC-107

S. wall 8' W of
C-7 PL

16'

1105

1128

13.1

SC-108

S. wall 12' W of
C-7 PL

10'

1108

1129

9.4

SC-109

Along C-7 PL, N of
Small ≈ 8'

12'

1110

1130

734.6

SC-110

S. wall 5' S of
SC-108

18'

1400

1405

30.4

Field Screening

#2

Location Name

Date

Lateral C-7

6/17/14

Location Name

Description

Depth (Feet
BGS)

Time Collected

Time
Screened

PID Reading
(ppm)

SC-108

" " see above

20'

1410

1420

176.2

*

SC-101

" " see above

18'

1455

1500

43.8

*

SC-111

N. Base 8'E of
C-7 loop PL

20'

1540

1555

2367

SC-112

N. wall

0-12'

1550

1557

1045

SC-113

Base B/t C-7 loop &
C-7 @ 50' N of wall

20'

1035

1047

5160
~~156~~

SC-114

w. wall 3'E of C-7
loop

0-18'

1037

1048

458.6

SC-115

In between GA-19 PL
& C-7 loop PL

7'

1300

1315

22.5

SC-115

" "

12'

1310

1316

226.5

SC-116

w. wall: ~25' E
of GA-19 PL

12'

1322

1329

42.6

Lab
Sample
*

SC-115

see above

18'

1337

1343

80.6

*

SC-100

see above

6.0'

1420

1426

29.7

*

SC-117

NW wall ~0-8'
w. of C-7 loop PL

0-12'

1432

1441

161.5

*

SC-118

New corner 2' E of
C-7 loop PL

0-20'

1033

1044

74.6

*

6/19/14

Field Screening

#3

Location Name

Date

Lateral C-7

6/19/14

Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-119	N wall 1/2' E of C-7 loop	5-18'	1050	1057	65.4
SC- 120 ¹¹⁹	" "	5-20'	1105	1118	184.1
SC-120	N wall 2' W of Lat C-7 PL	5-20'	1110	1119	366.6
SC-121	N. Base	23'	1145	1201	181.3
SC-122	S Base below Lat C-7 PL	15'	1318	1339	61.1
SC-123	S. portion of E wall, E of Lat C-7 PL	0-15'	1318	1340	41.7
SC-124	SE corner wall	0-16'	1330	1341	43.9
SC-125	E Base approx 5' E of Lat C-7 PL	18'	1420	1434	1299
SC-126	E wall above SC-125 approx 8' E of Lat C-7 PL	0-17'	1424	1434	74.8
SC-127	NE wall approx 7' E of Lat C-7 PL	6-18'	1532	1538	53.9
SC-128	5' N of SC-120	5-20	1602	1611	4.4
SC-125	" " Fee above	20'	1000	1012	35.0
SC-129	Below E of C-7 PL Release Point	17'	1012	1023	1741

6/20/14

Field Screening

#4

Location Name				Date	
Lateral C-7				6/20/14	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-130	Below Lat C-7 PL N. wall	8-20'	1050	1100	7.1
SC-131	E wall @ Release Point (RP) ~ 7' E of Lat C-7	8-12'	1110	1125	11.3
SC-134	E wall @ Base	10-21'	1114	1126	22.6
SC-132	mid of E wall. Base	17'	1120	1141	5196
SC-133	mid of E wall	8-20'	1345	1351	2770
SC-132	see "above"	20'	1347	1352	1616
SC-132	" see "above"	22.5'	1405	1410	1171
SC-134	Road	0-6'	1517	1532	3.4
SC-132	" see above"	23'	1545	1556	1504
SC-133	see above	6-23'	1547	1557	1739
SC-135	E Base	12'	1040	1050	1066
SC-135	"	19'	1105	1112	176.7
SC-136	E wall of E exc.	6-20'	1116	1135	58.3

6/24/14

6/24/14

★

★

★

★

★

★

★

Field Screening

#5

Location Name				Date	
Lateral C-7				6/24/13	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-137	S. wall of E. Exc. (Bench)	6-20	1117	1136	165.8
SC-132	E. Base Below C-7	25'	1130	1139	1793
SC-133	See above	31'	1320	1329	9691
SC-138	N. wall of E. Exc. (no bench)	0-20'	1322	1330	1542
SC-132	See above	33.5'	1345	1352	748.1

*

*

Appendix B

Site Photography

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

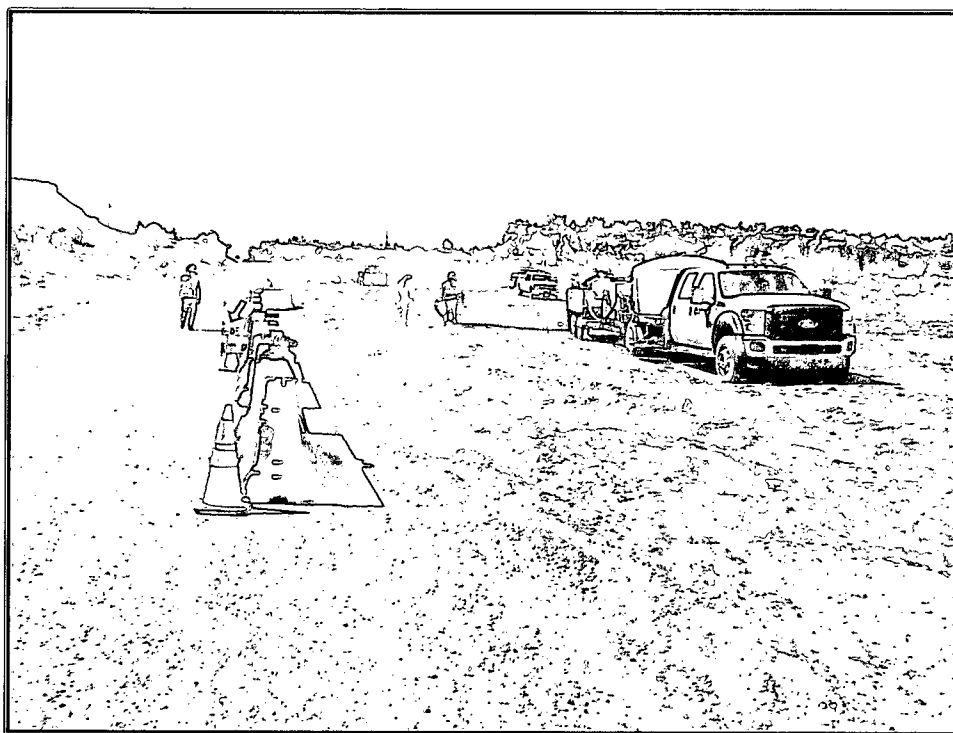


Photo 1: Potholing and setting of barricades along County Road 7007 prior to excavation of the Lateral C-7 Pipeline.

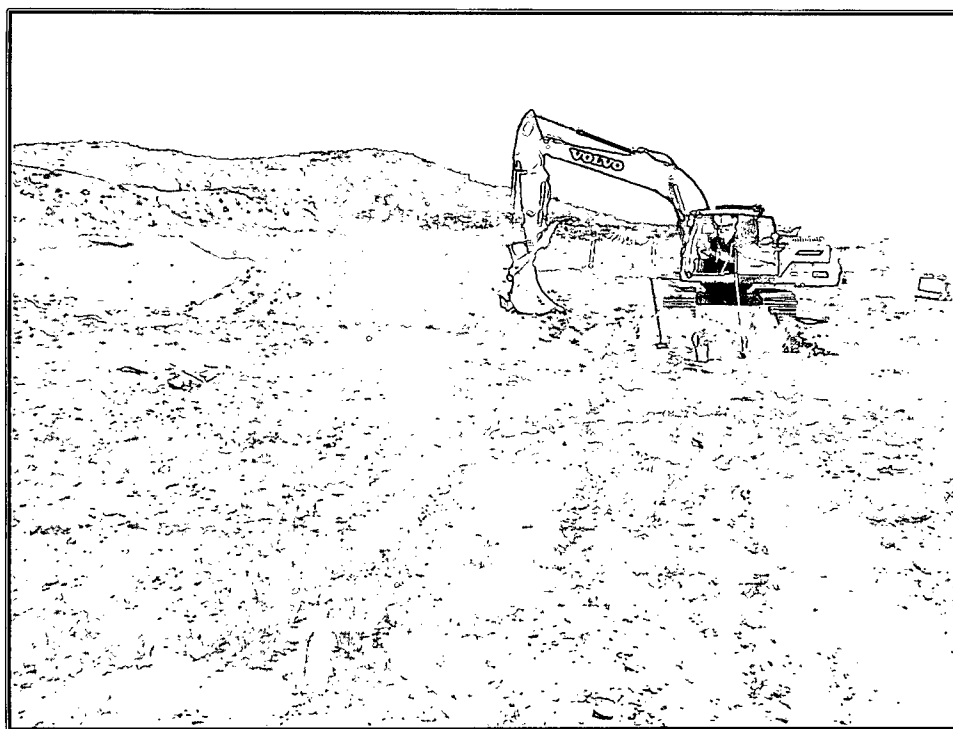


Photo 2: Beginning stages of the Lateral C-7 Pipeline.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

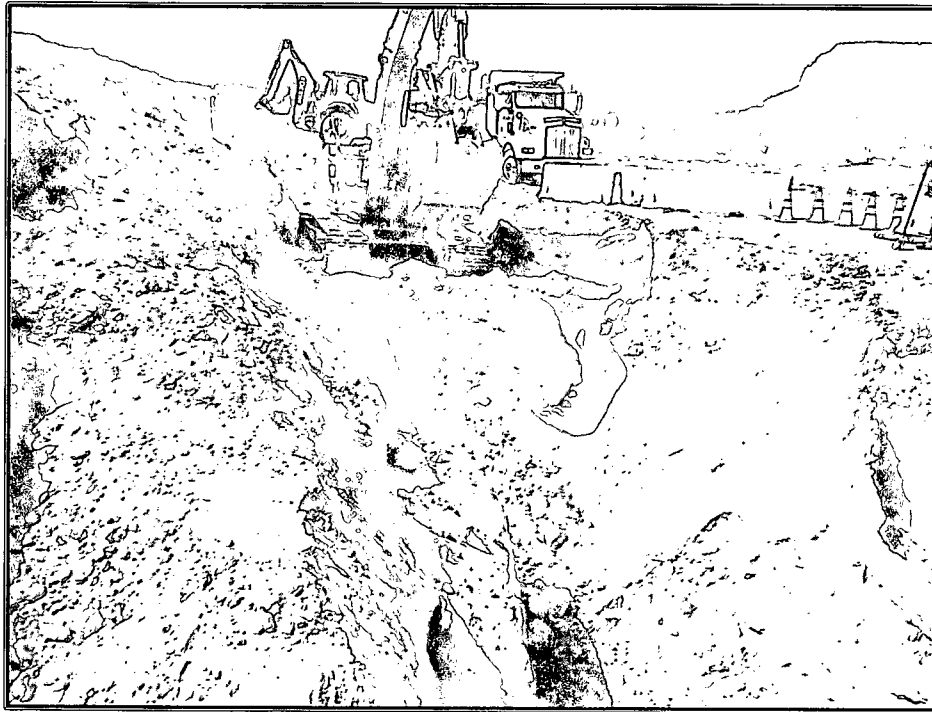


Photo 3: Beginning excavation of the adjacent C-7 Loop Pipeline.

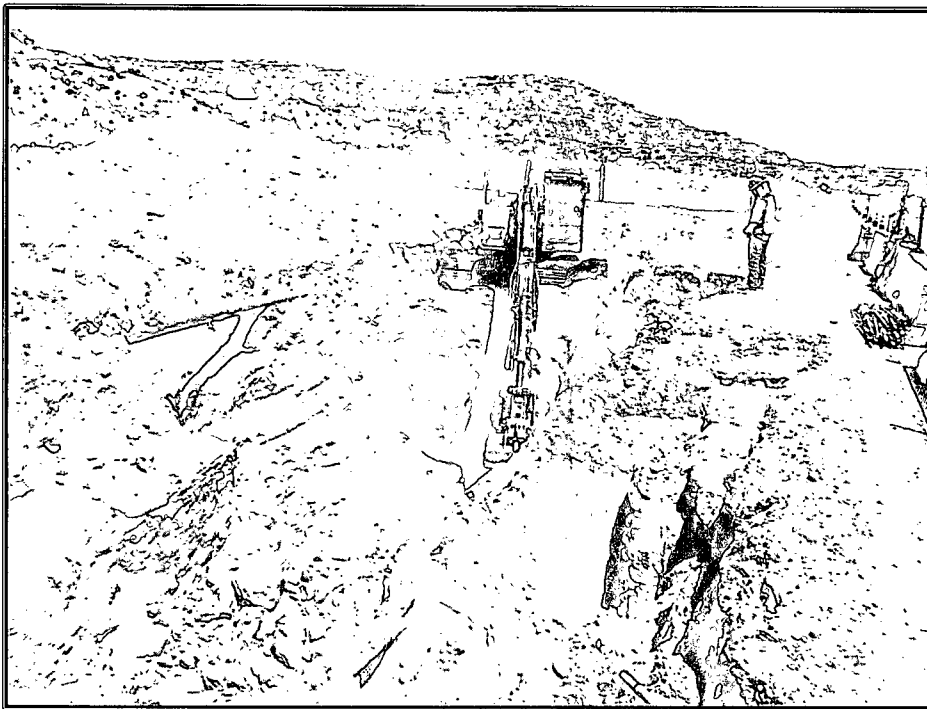


Photo 4: Continued excavation of the Lateral C-7 Pipeline. The C-7 Loop Pipeline pictured left.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

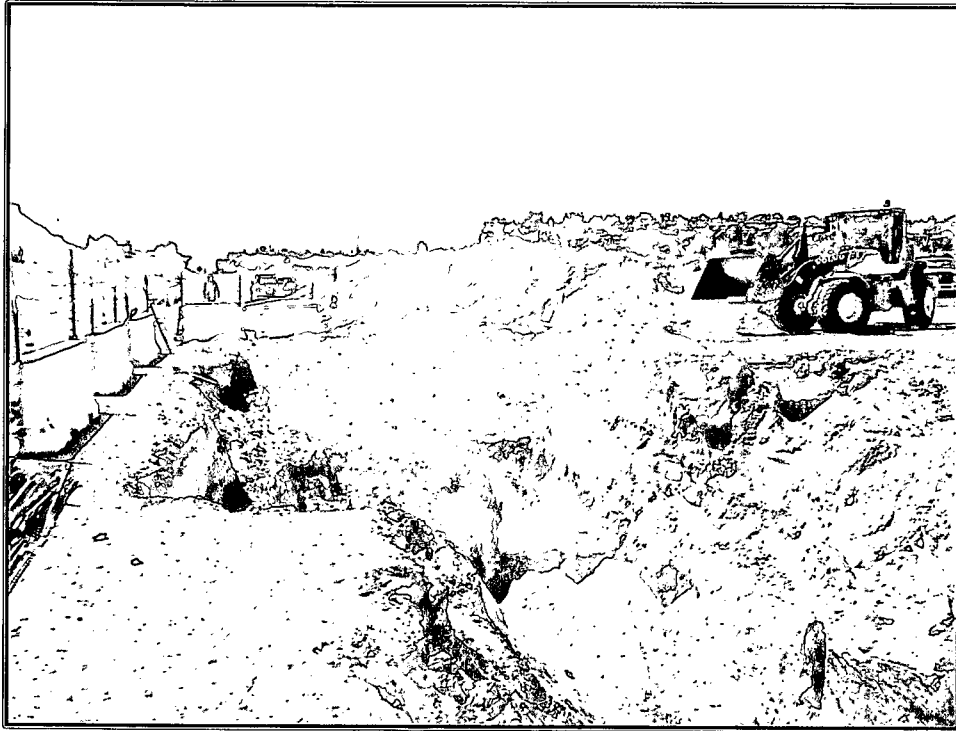


Photo 5: Backfilling of the south portion of the Lateral C-7 Pipeline excavation.

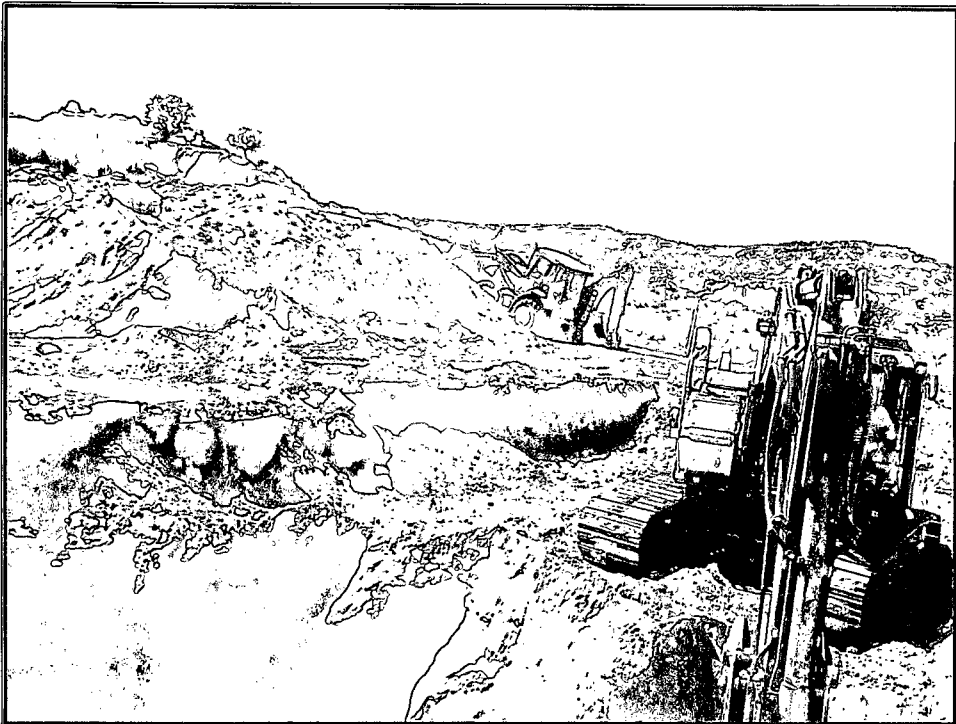


Photo 6: View of excavation equipment benched down to reach the base at approximately 25'.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

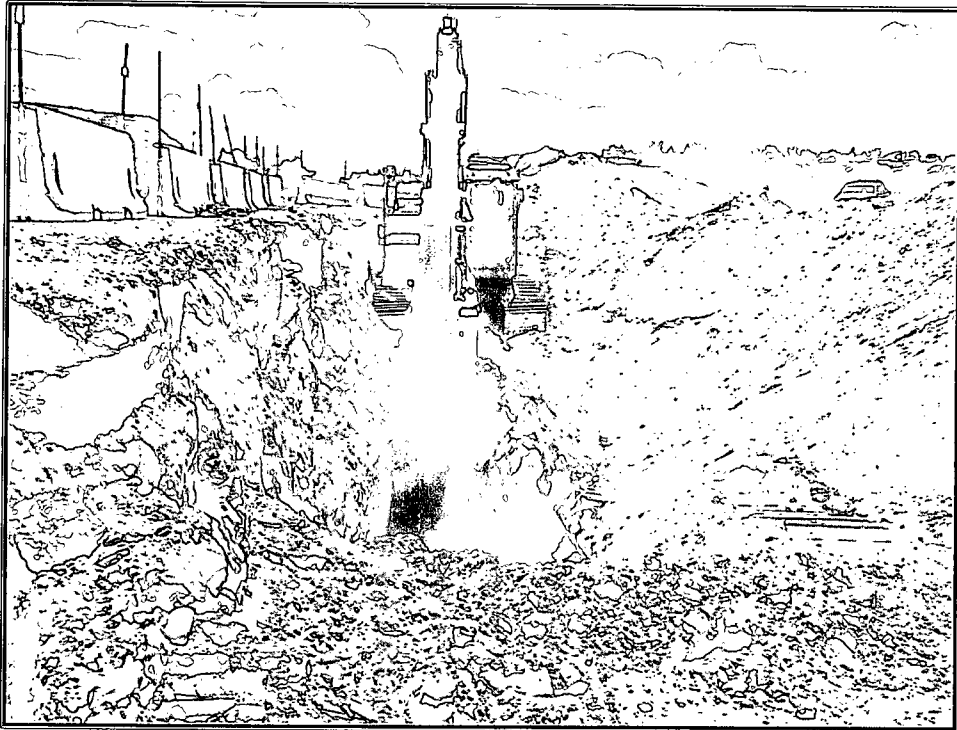


Photo 7: View of the excavation in County Road 7007 with equipment benched 6' down.

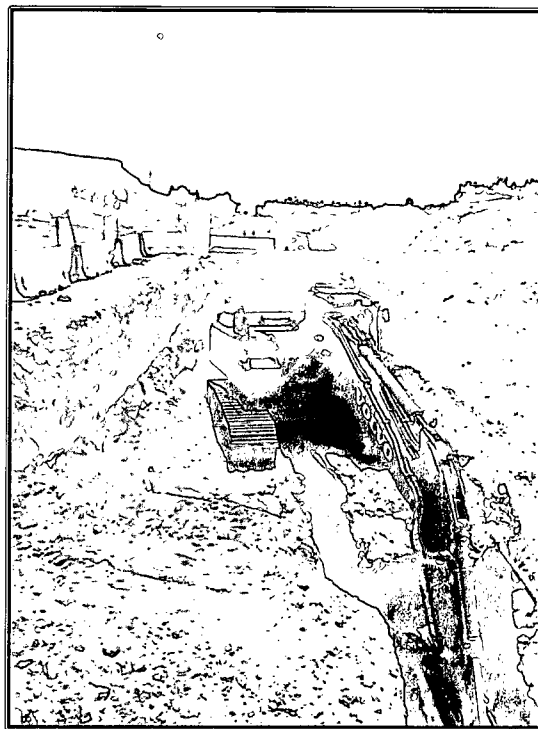


Photo 8: View of the excavation in County Road 7007 with equipment benched 9' down to reach 33' below grade.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

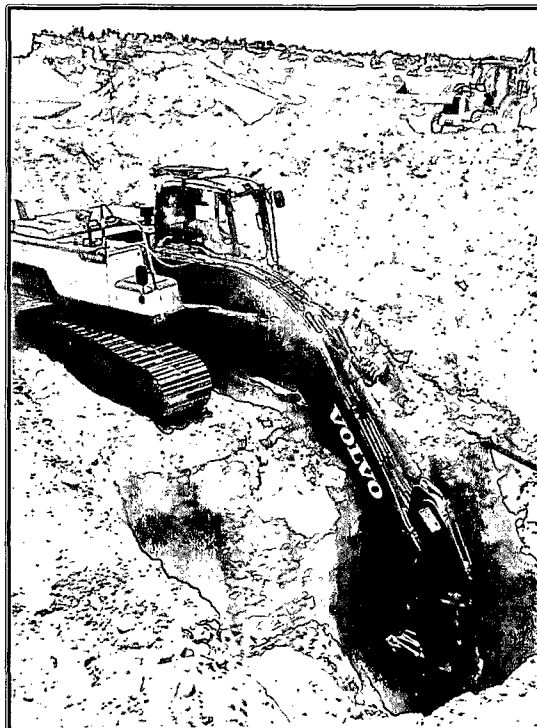


Photo 9: Excavation approximately 20' below the Lateral C-7 Pipeline.



Photo 10: Final excavation depth of the Lateral C-7 Pipeline at 33.5' below ground surface along County Road 7007.



Appendix C

Soil Disposal Documentation



Bill of Lading

MANIFEST # 47115

DATE 16 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LAT C7	CLEAN DEBT	-	20	-	RITCHY TRANSPORTATION	L71	805	<i>[Signature]</i>
2	VOID THIS	ENTERPRISE	LINE	-	10	-	EMTS	L71	810	<i>[Signature]</i>
2	Envirotech	LAT C7	Clean Fill	-	20	-	Ritchy	L71	1020	<i>[Signature]</i>
3	"	"	"	-	20	-	"	L71	1220	<i>[Signature]</i>
					60					
RESULTS:		LANDFARM EMPLOYEE:	<div> <div> <i>[Signature]</i> </div> <div> <i>[Signature]</i> </div> </div>							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								
Certification of above receipt & placement			NOTES:							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchey Transport NAME Elvin T. Kitchey SIGNATURE Elvin T. Kitchey

COMPANY CONTACT Mike PHONE 793 4426 DATE June 16 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



MANIFEST # 47283
DATE 6-26-14 JOB # 97057-0644

DATE 6.26.14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

COMPANY CONTACT _____ PHONE _____ DATE 6-26-14

san juan reproduction 578-126



MANIFEST # 47282
DATE 6-26-14 JOB # 97057-8644

DATE 6-26-19 JOB # 97257-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT Mike EMS PHONE DATE 6-26-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47281

DATE 6-26-14 JOB # 97057-0640

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lat C-7	LFI-5	CONT SOIL	G14	20	-	YUCCA	AF 6	1040	<i>[Signature]</i>
2	" "	" "	" "	G14	20	-	YUCCA	AF 6	1400	<i>[Signature]</i>
3	" "	" "	" "	G14	20	-	YUCCA	AF 6	1645	<i>[Signature]</i>
					<u>60</u>					
RESULTS:						NOTES:				
CHLORIDE TEST	1	LANDFARM EMPLOYEE: <i>Gary Robinson</i> EV								
PAINT FILTER TEST	1	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Red Rogers SIGNATURE [Signature]

COMPANY CONTACT Henry A PHONE 320-0173 DATE 6-26-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47280

DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Paul Rogers SIGNATURE Paul Rogers

COMPANY CONTACT Henry H. PHONE 320-0173 DATE 6-26-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47279
DATE 6-26-17 JOB # 97057-0644

DATE 6-26-19 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Transport NAME Edward T. Ritchey SIGNATURE Edward T. Ritchey
COMPANY CONTACT E. M. S. PHONE 793 4426 DATE June 26 14
Signatures required prior to distribution of the legal document.



MANIFEST # 47278

DATE 6.26.17 JOB # 97257-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Trucking NAME Elvin T. Ritchey SIGNATURE Elvin T. Ritchey

COMPANY CONTACT EMS Mike S PHONE 793 4426 DATE 6-26-19 ☒

Signatures required prior to distribution of the legal document.



MANIFEST # 47277
DATE 6-26-14 JOB # 97057-0644

DATE 6-26-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

White - Company Records, Yellow - Billing, Pink - Customer



MANIFEST # 47276
DATE 6-26-14 JOB # 97057-0644

MANIFEST # 47276
DATE 6-26-14 JOB # 97057-0644

DATE 6-26-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert Fowler SIGNATURE Ralf H.

COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-26-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47270
DATE 6-25-14 JOB # 97057-0644

DATE 6-25-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert T Fowler SIGNATURE [Signature]
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-25-14
Signatures required prior to distribution of the legal document.



MANIFEST # 47269
DATE 6-25-14 JOB # 97057-0644

DATE 6-25-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Signatures required prior to distribution of the legal document.



MANIFEST # 47268
DATE 6-25-14 JOB # 97057-0644

DATE 6-25-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Trucking NAME Elvin T. Ritchey SIGNATURE Elvin T. Ritchey
COMPANY CONTACT EMS Mike S PHONE 793 4426 DATE 6-25-14
Signatures required prior to distribution of the legal document.



MANIFEST # 47267
DATE 6-25-14 JOB # 97057-0644

DATE 6.25.14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Reed Rogers SIGNATURE Reed Rogers
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47266

DATE 6-25-14 JOB # 97057-0644

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVirotech	ENTERPRISE LOT C 7	Clean	—	12	—	EMS	310 309	957	Roltz
2	" "	" "	Fill	—	12	—	EMS	310 309	1125	Roltz
3	" "	" "	" "	—	12	—	EMS	310 309	1350	Roltz
					36					
RESULTS:		LANDFARM EMPLOYEE:	NOTES:							
<input checked="" type="checkbox"/>	CHLORIDE TEST									
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Emsi NAME Robert T Fowler SIGNATURE R. T. Fowler

COMPANY CONTACT Ems. Mike PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



MANIFEST # 47261
DATE 6-25-14 JOB # 97057-0644

DATE 6-25-14 JOB # 97057-0644

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Envirotech	Enterprise Lot C-7	Clean Fill Soil	—	20	—	MOSS	27	800	Lee Moss	
2	" "	" "	" "	—	20	—	"	27	1106	Lee Moss	
3	" "	" "	" "	—	20	—	"	27	1418	Lee Moss	
					<u>60</u>						
RESULTS:		LANDFARM	<div> <div>NOTES:</div> </div>								
✓	CHLORIDE TEST	✓									EMPLOYEE: Gary Robinson ^{EL}
✓	PAINT FILTER TEST	✓									Certification of above receipt & placement

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Mass Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47260
DATE 25 JUN 14 JOB # 97057-6644

DATE 25 JUN 14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Reed Rogers SIGNATURE Reed Rogers
COMPANY CONTACT Henry PHONE 320-0173 DATE 6-25-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47259
DATE 25 JUN 14 JOB # 97057-0644

DATE 25 JUN 14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

san wan reproduction 578-126



MANIFEST # 47247

DATE 6-24-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47246DATE 6.24.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterpris	LFH.5	CONC	I-B	20	-	Ritchey	71	954	E. T. Ritchey
2	Lot C-7	11	11	I-13	20	-	11	71	1238	E. T. Ritchey
3	" "	11	11	I-13	20	-	11	71	1448	E. T. Ritchey
4	" "	11	11	E-14	20	-	11	71	1712	E. T. Ritchey
					80					
RESULTS:		LANDFARM		NOTES:						
<284 CHLORIDE TEST		EMPLOYEE: Gary Robinson								
PAINT FILTER TEST		Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey NAME ELVIN T. Ritchey SIGNATURE E. T. Ritchey
COMPANY CONTACT ELIS PHONE 793 4426 DATE 6.24.14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47245

DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot C-7	LFII-5	CONY SOIL	H-13	12	—	EMS	310 309	948	R. H. H.
2	" "	"	"	G-13	12	—	EMS	310 309	1210	R. H. H.
3	" "	"	"	E-14	12	—	EMS	310 309	1443	R. H. H.
4	" "	"	"	E-14	12	—	EMS	310 309	1640	R. H. H.
					48					
RESULTS:		LANDFARM EMPLOYEE:	<div> <div>EL</div> <div>Gary Robinson</div> </div>	NOTES:						
234	CHLORIDE TEST									
	PAINT FILTER TEST		Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert T Fowler SIGNATURE [Signature]
COMPANY CONTACT EMS PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47244DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE LOT C-7	LFII-5	CONIT SOIL	I-13	20	-	YUCCA	AF4	948	
2	"	"	"	I-13	20	-	YUCCA	AF6	948	
3	"	"	"	I-13	20	-	YUCCA	AF4	1145	
4	"	"	"	I-13	20	-	YUCCA	AF6	1210	
5	"	"	"	I-13	20	-	YUCCA	AF6	1445	
6	"	"	"	E-14	20	-	YUCCA	AF6	1710	
					120					
RESULTS:		LANDFARM		NOTES:						
<244		EMPLOYEE:								
CHLORIDE TEST		1								
PAINT FILTER TEST		1		Certification of above receipt & placement						

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Smith SIGNATURE
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47240DATE 6-24-14 JOB # 97057-0614

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIROTECH	ENTERPRISE	Clean	—	20	—	MOSS	27	755	Lee Moss	
2	"	"	Fill 30.2	—	20	—	MOSS	27	1006	Lee Moss	
3	"	"	"	—	20	—	MOSS	27	1242	Lee Moss	
4	"	"	"	—	20	—	MOSS	27	1500	Lee Moss	
					80						
RESULTS:		LANDFARM EMPLOYEE: <u>Gary Robinson</u>		NOTES:							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>									
Certification of above receipt & placement											

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-24-14
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47239DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROtech	Enterprise Clean lot C-7	Fill soil	—	20	—	Ritchey	71	730	Elvin Ritchey
2	"	"	"	—	20	—	"	71	954	Elvin Ritchey
3	"	"	"	—	20	—	"	71	1213	Elvin Ritchey
4	"	"	"	—	20	—	"	71	1448	Elvin Ritchey
					<u>80</u>					
RESULTS:		LANDFARM EMPLOYEE: <u>Gary Robinson</u>		NOTES:						
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								
Certification of above receipt & placement										

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey NAME Elvin Ritchey SIGNATURE Elvin Ritchey
COMPANY CONTACT Ems mike PHONE 793 4424 DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47238
DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROtech	Enterprise Lot C.7	Clean Fill	—	12	—	EMS	310 309	726	Robert F. [Signature]
2	"	"	SOIL	—	12	—	EMS	310 309	948	Robert F. [Signature]
3	"	"	"	—	12	—	EMS	310 309	1210	Robert F. [Signature]
4	"	"	"	—	12	—	EMS	310 309	1447	Robert F. [Signature]
					48					
RESULTS:		LANDFARM EMPLOYEE:	[Signature] EL			NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert F. [Signature] SIGNATURE Robert F. [Signature]
COMPANY CONTACT EMS PHONE 505-333-2003 DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47237DATE 24 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	YUCCA	AF4	725	
2	11	11	11	—	20	—	11	AF6	725	
3	11	11	11	—	20	—	11	AF4	948	
4	11	11	11	—	20	✓	11	AF6	948	
5	11	11	11	—	20	—	11	AF6	1210	
6	11	11	11	—	20	—	11	AF6	1443	
					120					
RESULTS:			LANDFARM EMPLOYEE:	EL		NOTES:				
✓	CHLORIDE TEST	✓	Certification of above receipt & placement							
✓	PAINT FILTER TEST	✓								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Armenta SIGNATURE

COMPANY CONTACT CMS PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47230DATE 6-23-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E-tech	Enterprise Cat C-7	Clean Fill	—	12	—	EMS	310 309	10:00	Robert Fendler
2	"	"	"	—	12	—	EMS	310 309	1240	Robert Fendler
3	"	"	"	—	12	—	EMS	310 309	1505	Robert Fendler
					36					
RESULTS:		LANDFARM EMPLOYEE:	NOTES:							
—	CHLORIDE TEST	—	Certification of above receipt & placement							
—	PAINT FILTER TEST	—								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert Fendler SIGNATURE Robert Fendler
COMPANY CONTACT Brent Reller PHONE 505-533-2003 DATE 6-23-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47228
DATE 6-23-14 JOB # 97057-0644

DATE 6-23-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47227

DATE 6-23-14 JOB # 97257-064

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE LAFC-7	CFII-5	cont SOIL	G-13	20	—	YUCCA	AF6	9:55	<i>[Signature]</i>
2	"	"	"	H-13	20	—	YUCCA	AF6	1240	<i>[Signature]</i>
3	"	"	"	H-13	20	—	YUCCA	AF6	1505	<i>[Signature]</i>
4	"	"	"	H-13	20	—	YUCCA	AF6	1715	<i>[Signature]</i>
					80					
RESULTS:		LANDFARM EMPLOYEE:	<i>[Signature]</i> EL			NOTES:				
< 20% CHLORIDE TEST	1									
PAINT FILTER TEST		Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

Read Rogers

SIGNATURE

[Signature]

COMPANY CONTACT

PHONE

320-0173

DATE _____

6-23-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47226

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 6-23-14 JOB # 97057-6644

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	EMERGENCY LAT C-7	LFII-5	cont soil	G-13	20	-	Ritchey's	L71	10:00	<i>[Signature]</i>
2	"	"	"	H-13	20	-	"	L71	1244	<i>[Signature]</i>
3	"	"	"	H-13	20	-	"	L71	1515	<i>[Signature]</i>
					<u>60</u>					
RESULTS:		LANDFARM EMPLOYEE:	<i>[Signature]</i> EL	NOTES:						
< 284	CHLORIDE TEST									
	PAINT FILTER TEST	1	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kirkland NAME Fluor SIGNATURE Fluor

COMPANY CONTACT W. J. S. PHONE 779 4436 DATE 11-23-14

Signatures required prior to distribution of the legal document.

White - Company Records. Yellow - Billing. Pink - Customer

980 1145 reproduction 578, 126



MANIFEST # 47224
DATE 23 JUN 14 JOB # 97057-0644

DATE 23 JUN 14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT EMS PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47223
DATE 23 JUN 14 JOB # 97257-0644

DATE 23 JUN 14 JOB # 97257-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchley TRAV NAME Elvin Kitchley SIGNATURE Elvin T Kitchley
COMPANY CONTACT Ed M. S. PHONE 793 4424 DATE June 23 14
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47222DATE 23 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	YUCCA	AF6	705	<i>[Signature]</i>
2	"	"	"	—	20	—	"	AF6	9:55	<i>[Signature]</i>
3	"	"	"	—	20	—	"	AF6	1240	<i>[Signature]</i>
4	"	"	"	—	20	—	"	AF6	1505	<i>[Signature]</i>
					80					
RESULTS:		LANDFARM		<i>[Signature]</i> EL		NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	EMPLOYEE:							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Reed Rogers SIGNATURE *[Signature]*COMPANY CONTACT _____ PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47202
DATE 6-20-14 JOB # 97257-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise lot C-7	LF II-5	CON'T SOIL	F13	20	—	MOSS	27	1003	Lee Moss
2	" "	" "	" "	G13	20	—	MOSS	27	1236	Lee Moss
3	" "	" "	" "	G13	20	—	MOSS	27	1500	Lee Moss
					60					
RESULTS:			LANDFARM EMPLOYEE:	NOTES:						
4291	CHLORIDE TEST	1	GARY ROBINSON EL Certification of above receipt & placement							
	PAINT FILTER TEST	1								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47201DATE 6-20-14 JOB # 97057-0634

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Lot C-7	LFII-5	CONC SOIL	F13	20	-	YUCCA	AF6	942	<i>[Signature]</i>
2	"	"	"	F13	20	-	YUCCA	AF4	942	<i>[Signature]</i>
3	"	"	"	G13	20	-	YUCCA	AF6	1220	<i>[Signature]</i>
4	"	"	"	G13	20	-	YUCCA	AF4	1220	<i>[Signature]</i>
5	"	"	"	G13	20	-	YUCCA	AF6	1445	<i>[Signature]</i>
6	"	"	"	G13	20	-	YUCCA	AF4	1445	<i>[Signature]</i>
					<u>120</u>					
RESULTS:		LANDFARM		NOTES:						
4291	CHLORIDE TEST	2	EMPLOYEE:							
	PAINT FILTER TEST	2	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry SIGNATURE Per Henry By Gary Robinson
COMPANY CONTACT EMS Mike S. PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

San Juan Remediation 578.106



MANIFEST # 47200
DATE 6-20-14 JOB # 97257-0644

DATE 6-20-14 JOB # 97257-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey NAME Elwin TRitchey SIGNATURE Elwin TRitchey
COMPANY CONTACT Ems Mike S PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47199

DATE 6.20.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. *Ritchey*

NAME Frank R. Jensen

SIGNATURE E. J. [illegible]

COMPANY CONTACT

PHONE

DATE 6-20-19

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47197DATE 6-20-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	-	20	-	MOSS	27	730	Lee Moss
2	"	"	"	-	20	-	MOSS	27	1003	Lee Moss
3	"	"	"	-	20	-	MOSS	27	1230	Lee Moss
					<u>60</u>					
RESULTS:			LANDFARM EMPLOYEE:	<u>EL</u> <u>Greg Johnson</u>			NOTES:			
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excavation NAME Lee Moss SIGNATURE Lee MossCOMPANY CONTACT EMS PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

generator information 870-100

75



Bill of Lading

MANIFEST # 47196DATE 20 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	YUCCA	AF4	720	
2	"	"	"	—	20	—	YUCCA	AF6	720	
3	"	"	"	✓	20	—	"	AF6	942	
4	"	"	"	—	20	—	"	AF4	945	
5	"	"	"	—	20	—	"	AF6	1220	
6	"	"	"	—	20	—	"	AF4	1220	
					120					
RESULTS:		LANDFARM EMPLOYEE:	NOTES:							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Read Rogers SIGNATURE COMPANY CONTACT EMS PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47183

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

COMPANY CONTACT EMS PHONE _____ DATE 6-19-14

White - Company Records. Yellow - Billing. Pink - Customer



MANIFEST # 47182
DATE 6-19-14 JOB # 97057-0644

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

Event Registry

SIGNATURE

John A. H. H. H.
1914

COMPANY CONTACT

PHONE

1793 4476

DATE _____

June 19 14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47181DATE 6-19-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise	LFIT.5	CON'T SOIL	E-13	20	-	Yucca	AF6	956	
2	La C. 7	"	"	E-13	20	-	Yucca	AF4	956	
3	"	"	"	E-13	20	-	Yucca	AF6	1235	
4	"	"	"	E-13	20	-	Yucca	AF4	1240	
5	"	"	"	E-13	20	-	Yucca	AF6	1523	
6	"	"	"	E-13	20	-	Yucca	AF4	1523	
					120					
RESULTS:			LANDFARM EMPLOYEE: <u>Gay Robinson</u>	NOTES:						
<u><291</u>	CHLORIDE TEST	<u>2</u>	Certification of above receipt & placement							
	PAINT FILTER TEST	<u>2</u>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Read Rogers SIGNATURE
COMPANY CONTACT E.M.S. PHONE _____ DATE 6-19-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47175
DATE 19 JUN 14 JOB # 97057-0649

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	INTERPRESS LATERAL C7	CLEAN FILL	-	20	-	YUCA	AF4	725	
2	"	"	"	-	20	-	"	AF6	725	
3	"	"	"	-	20	-	"	AF6	955	
4	"	"	"	-	20	-	"	AF4	955	
5	"	"	"	-	20	-	"	AF6	1235	
6	"	"	"	-	20	-	"	AF4	1240	
					120					
RESULTS:		LANDFARM EMPLOYEE:				NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Armenta SIGNATURE
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47159

DATE 6-18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot C 7	LF II	CON T SOIL	A 3	20	-	MOSS	27	1028	Lee Moss
3	" "	" "	" "	A 4	20	-	MOSS	27	1310	Lee Moss
4	" "	" "	" "	A 4	20	-	MOSS	27	1536	Lee Moss
					<u>60</u>					
RESULTS:						NOTES:				
<291	CHLORIDE TEST	1.	LANDFARM EMPLOYEE: Gary Robinson EL							
	PAINT FILTER TEST	1	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS PHONE 793-4426 DATE 6.18.14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

can be reproduced 578-126



MANIFEST # 47158
DATE 6-18-14 JOB # 97057-0644

DATE 6-18-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Trucking NAME Elvin Ritchey SIGNATURE Elvin Ritchey
COMPANY CONTACT EMS PHONE 793-4426 DATE 6-18-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47157DATE 6-18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot C-7	LF2	Cont SOIL	A3	20	-	YUCCA	AF6	1015	<i>[Signature]</i>
2	" "	"	"	A3	"	-	"	AF4	1018	<i>[Signature]</i>
3	" "	"	"	A4	"	-	"	AF6	1250	<i>[Signature]</i>
4	" "	"	"	A4	"	-	"	AF4	1250	<i>[Signature]</i>
5	" "	"	"	A4	"	-	"	AF6	1533	<i>[Signature]</i>
					<u>100</u>					
RESULTS:		LANDFARM		NOTES:						
CHLORIDE TEST		EMPLOYEE: <i>Gary Robinson EL</i>								
PAINT FILTER TEST		Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Read Rogers SIGNATURE *[Signature]*
COMPANY CONTACT _____ PHONE _____ DATE 6-18-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47155DATE 6-18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech.	Enterprise Lot C-7	Clean Fill	—	20	—	YUCCA	AF4	725	<i>[Signature]</i>
2	"	"	"	—	20	—	Yucca	AF6	725	<i>[Signature]</i>
3	"	"	"	—	"	—	"	AF6	1015	<i>[Signature]</i>
4	"	"	"	—	"	—	"	AF4	1015	<i>[Signature]</i>
X	_____						AF4 725			
5	"	"	"	—	"	—	"	AF6	725	<i>[Signature]</i>
					100					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	<i>Gary Robinson</i>							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Read Rogers SIGNATURE *[Signature]*COMPANY CONTACT _____ PHONE _____ DATE 6-18-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san Juan reproduction 578-176



MANIFEST # 47154

DATE 6-18-14 JOB # 97057-0644

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIRONMENTAL	ENTERPRISE LATERAL C7	CLEAN FILL	-	20	-	MOSS DECAVATION	27	735	<i>Lee Moss</i>	
2	"	" "	"	-	20	-	"	27	1028	<i>Lee Moss</i>	
3	"	" "	"	-	20	-	"	27	1310	<i>Lee Moss</i>	
					<u>60</u>						
RESULTS:		LANDFARM EMPLOYEE: <i>Gary Robinson</i>	NOTES: 								
/	CHLORIDE TEST										/
/	PAINT FILTER TEST										/
			Certification of above receipt & placement								

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS PHONE 793-4426 DATE 6-18-14

520 520 INFORMATION 57A.126



MANIFEST # 47153

DATE 18 JUN 14 JOB # 97057-0644

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitching Trg NAME ELWIN Kitching SIGNATURE Elwin Kitching
COMPANY CONTACT Ed PHONE 773 4424 DATE June 18 14
Signatures required prior to distribution of the legal document.



envirotech

Bill of Lading

MANIFEST # 47141

DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-17-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

San Juan reproduction 578-126



Bill of Lading

MANIFEST # 47140

DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE LAT C-7	LFI	comp SOIL	E-1	20	-	MOSS	27	11:45	Lee Moss
2	" "	" "	" "	B-3	20	-	MOSS	27	14:10	Lee Moss
3	" "	" "	" "	B-3	20	-	" "	27	16:40	Lee Moss
					<u>60</u>					
RESULTS:										
< 291	CHLORIDE TEST		LANDFARM EMPLOYEE:	<i>Dave La EL</i>		NOTES:				
	PAINT FILTER TEST		Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-17-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47136DATE 10-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
2	ENTERPRISE LAT C-7	LFII	CONT SOIL	E-2	20	—	YUCCA	AF6	11:30	<i>[Signature]</i>	
2	"	"	"	E-2	20	—	"	"	AF4	11:40	<i>[Signature]</i>
3	"	"	"	E-2	20	—	"	"	AF6	14:55	<i>[Signature]</i>
4	"	"	"	E-2	20	—	"	"	AF4	14:55	<i>[Signature]</i>
5	"	"	"	E-2	20	—	"	"	AF6	17:20	<i>[Signature]</i>
6	"	"	"	E-2	20	—	"	"	AF4	17:25	<i>[Signature]</i>
					120						
RESULTS:		LANDFARM		NOTES:							
< 291	CHLORIDE TEST	2	EMPLOYEE:								
	PAINT FILTER TEST	2	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. _____ NAME Read Rogers SIGNATURE *[Signature]*

COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47134DATE 6-17-17 JOB # 77057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVirotech	Enterprise Lat C-7	Clean Fill	-	20	-	YUCCA	AF4	8:25	[Signature]
2	"	"	SOIL	-	20	-	"	AF6	8:25	[Signature]
3	"	"	"	-	20	-	"	AF6	11:30	[Signature]
4	"	"	"	-	20	-	"	AF4	11:40	[Signature]
5	"	"	"	-	20	-	"	AF6	14:55	[Signature]
void this line										
6	"	"	"	-	20	-	"	AF4	14:55	[Signature]
					120					
RESULTS:										
<input checked="" type="checkbox"/> CHLORIDE TEST		LANDFARM EMPLOYEE: <u>Gary Robinson</u>		NOTES:						
<input checked="" type="checkbox"/> PAINT FILTER TEST		Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Henry Armata SIGNATURE [Signature]
COMPANY CONTACT Henry PHONE _____ DATE 6-17-17

Signatures required prior to distribution of the legal document.



MANIFEST # 47133

DATE 6-17-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchey Transport NAME ELVIN J Kitchey SIGNATURE Elvin J Kitchey
COMPANY CONTACT 2475 PHONE 793 4426 DATE June 17 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



MANIFEST # 47128
DATE 6-16-14 JOB # 97057-0644

DATE 6-16-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitching Bros NAME Clinton Kitching SIGNATURE Clinton Kitching
COMPANY CONTACT Mike PHONE 793 24424 DATE June 16 14
Signatures required prior to distribution of the legal document.

Appendix D

Laboratory Analytical Reports



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17098

Samples Received: 6/17/2014 4:55:00PM

Job Number: 03117-0014

Work Order: P406068

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 6/19/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-110 @ 0-18' bgs	P406068-01A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-108 Base @ 20' bgs	P406068-02A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-101 @ 0-18' bgs	P406068-03A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 19-Jun-14 09:30
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-110@ 0-18' bgs
P406068-01 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %		80-120	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %		80-120	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	30.9	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

SC-108 Base @ 20' bgs
P406068-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		92.8 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		89.3 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	l		1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	l		1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



100



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 19-Jun-14 09:30
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-101 @ 0-18' bgs
P406068-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.2 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.8 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120			

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	47.6		ug/L	50.0		95.3	80-120			
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	45.0		ug/L	50.0	ND	90.0	39-150			
Toluene	45.1		"	50.0	ND	90.3	46-148			
Ethylbenzene	44.7		"	50.0	ND	89.5	32-160			
p,m-Xylene	89.9		"	100	ND	89.9	46-148			
o-Xylene	45.2		"	50.0	ND	90.4	46-148			
Surrogate: 1,3-Dichlorobenzene	49.3		"	50.0		98.6	80-120			
Surrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) 0.42 mg/L 0.450 ND 93.1 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425016 - DRO Extraction EPA 3550C

Blank (1425016-BLK1)

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1425016-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg 30.9 30

Matrix Spike (1425016-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) 230 mg/L 250 29.3 80.2 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17098

Client: <i>Sander Miller & Associates</i>		Project Name / Location: <i>Lateral C-7</i>		ANALYSIS / PARAMETERS																
Email results to: <i>stevan.maskal@sandermillar.com</i>		Sampler Name: <i>Steve Maskal</i>		<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">TPH (Method 8015)</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">BTEX (Method 8021)</div> </div> <div style="text-align: center;">VOC (Method 8260)</div> <div style="text-align: center;">RCRA 8 Metals</div> <div style="text-align: center;">Cation / Anion</div> <div style="text-align: center;">RCI</div> <div style="text-align: center;">TCLP with H/P</div> <div style="text-align: center;">CO Table 910-1</div> <div style="text-align: center;">TPH (418.1)</div> <div style="text-align: center;">CHLORIDE</div> <div style="text-align: center;">Sample Cool</div> <div style="text-align: center;">Sample Intact</div> </div>																
Client Phone No.: <i>(505) 215-9812 / (505) 325-7535</i>		Client No.: <i>5122855 BG 12</i>																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE		Sample Cool	Sample Intact
					HNO ₃	HCl														
<i>SC-110 @ 0-18' bgs</i>	<i>6/17/14</i>	<i>1400</i>	<i>P406068-01</i>	<i>1 x 4 oz</i>				<i>X</i>	<i>X</i>										<i>X</i>	<i>X</i>
<i>SC-108 Base @ 20' bgs</i>	<i>↓</i>	<i>1410</i>	<i>P406068-02</i>	<i>↓</i>				<i>X</i>	<i>X</i>										<i>X</i>	<i>X</i>
<i>SC-101 @ 0-18' bgs</i>	<i>↓</i>	<i>1455</i>	<i>P406068-03</i>	<i>↓</i>				<i>X</i>	<i>X</i>										<i>X</i>	<i>X</i>
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>6/17/14</i>	Time <i>1655</i>	Received by: (Signature) <i>[Signature]</i>					Date <i>6/17/14</i>	Time <i>1655</i>							
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="font-size: 2em; font-family: cursive;">RUSH</div>					<div style="display: inline-block; vertical-align: middle;"> <div style="font-size: 1.5em; font-weight: bold;">12.6, 11.6, 12.6</div> </div>															



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17101

Samples Received: 6/18/2014 4:05:00PM

Job Number: 03117-0014

Work Order: P406070

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 6/20/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-116 W Wall @ 8-12'	P406070-01A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-115 @ 15' bgs (base)	P406070-02A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-100 @ 6' bgs (base)	P406070-03A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-117 NW Wall @ 0-12'	P406070-04A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-116 W Wall @ 8-12'
P406070-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.6 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		97.4 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-115 @ 15' bgs (base)
P406070-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.7 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.0 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-100 @ 6' bgs (base)
P406070-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.4 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.0 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-117 NW Wall @ 0-12'
P406070-04 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.7 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/l.	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120			

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	47.6		ug/l.	50.0		95.3	80-120			
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	45.0		ug/L	50.0	ND	90.0	39-150			
Toluene	45.1		"	50.0	ND	90.3	46-148			
Ethylbenzene	44.7		"	50.0	ND	89.5	32-160			
p,m-Xylene	89.9		"	100	ND	89.9	46-148			
o-Xylene	45.2		"	50.0	ND	90.4	46-148			
Surrogate: 1,3-Dichlorobenzene	49.3		"	50.0		98.6	80-120			
Surrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) 0.42 mg/L 0.450 ND 93.1 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 20-Jun-14 12:03
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425016 - DRO Extraction EPA 3550C										
Blank (1425016-BLK1)				Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425016-DUP1)				Source: P406068-01 Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		30.9				30	
Matrix Spike (1425016-MS1)				Source: P406068-01 Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	230		mg/L	250	29.3	80.2	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17101

Client: <i>Souder Miller & Associates</i>			Project Name / Location: <i>Lateral C-7</i>			ANALYSIS / PARAMETERS														
Email results to: <i>stevan.maskal@soudermiller.com</i>			Sampler Name: <i>Steve Maskal</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: <i>505 215 9812</i>			Client No.: <i>03117-0014</i> <i>5122855 BG12</i>																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl	Seal													
<i>SC-116 w/ wall @ 0-12'</i>	<i>6/18/14</i>	<i>1322</i>	<i>P406070-01</i>	<i>1 x 403</i>			<i>Seal</i>												<i>Y</i>	<i>Y</i>
<i>SC-115 @ 15' bgs (base)</i>	<i>↓</i>	<i>1337</i>	<i>P406070-02</i>	<i>↓</i>															<i>↓</i>	<i>↓</i>
<i>SC-100 @ 16' bgs (base)</i>	<i>↓</i>	<i>1420</i>	<i>P406070-03</i>	<i>↓</i>															<i>↓</i>	<i>↓</i>
<i>SC-117 NW wall @ 0-12'</i>	<i>↓</i>	<i>1432</i>	<i>P406070-04</i>	<i>↓</i>															<i>↓</i>	<i>↓</i>
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>6/18/14</i>	Time <i>1605</i>	Received by: (Signature) <i>[Signature]</i>										Date <i>6/18/14</i>	Time <i>1615</i>		
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <i>RUSH</i>					 envirotech <i>5.4, 4.3 61</i> Analytical Laboratory															



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17107

Samples Received: 6/20/2014 7:05:00AM

Job Number: 03117-0014

Work Order: P406076

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 6/24/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 6/24/14 11:11 am

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-118 NW Corner @ 0-20'	P406076-01A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-119 N. Wall Corner @ 5-20'	P406076-02A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-121 N. Base @ 23'	P406076-03A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-122 S. Base @ 15'	P406076-04A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-123 S. Of E. Wall 0-15'	P406076-05A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-124 SE Wall Corner @ 0-16'	P406076-06A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-126 E Wall @ 0-17'	P406076-07A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-127 NE Wall @ 6-18'	P406076-08A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-128 N. Wall @ 5-20'	P406076-09A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-118 NW Corner @ 0-20'
P406076-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		100 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879



Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 24-Jun-14 11:12
---	---	------------------------------

SC-119 N. Wall Corner @ 5-20'
P406076-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.9 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-121 N. Base @ 23'

P406076-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		99.5 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	l		1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



130



Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 24-Jun-14 11:12
---	---	------------------------------

SC-122 S. Base @ 15'
P406076-04 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.8 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		96.2 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.8	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-123 S. Of E. Wall 0-15'
P406076-05 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.3 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		98.5 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 24-Jun-14 11:12

SC-124 SE Wall Corner @ 0-16'
P406076-06 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.2 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.6 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

SC-126 E Wall @ 0-17'
P406076-07 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		106 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-127 NE Wall @ 6-18'
P406076-08 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		109 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		110 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

SC-128 N. Wall @ 5-20'
P406076-09 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		105 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		108 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	l		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			

Duplicate (1425028-DUP1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1425028-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	50.2		ug/L	50.0	ND	100	39-150			
Toluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	50.4		"	50.0	ND	101	32-160			
p,m-Xylene	101		"	100	ND	101	46-148			
o-Xylene	50.4		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg

Duplicate (1425028-DUP1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425028-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) 0.51 mg/L 0.450 ND 113 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425029 - DRO Extraction EPA 3550C

Blank (1425029-BLK1)

Prepared & Analyzed: 20-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1425029-DUP1)

Source: P406076-01

Prepared & Analyzed: 20-Jun-14

Diesel Range Organics (C10-C28) ND 29.9 mg/kg ND 30

Matrix Spike (1425029-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Diesel Range Organics (C10-C28) 454 mg/L 250 6.00 179 75-125 SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

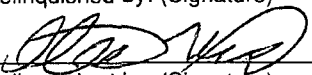


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17107

Client: Souder Miller Associates			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS														
Email results to: steven.maskal@soudermiller.com			Sampler Name: Steve Maskal			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: 505 213 9812			Client No.: 5122855																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl														
SC-118 NW corner @ 0-20'	6/19/14	1038	P406076-01	1 x 4oz				X	X										✓	✓
SC-119 N. wall @ 5-20'		1105	P406076-02					X	X										✓	✓
SC-121 N. Base @ 23'		1145	P406076-03					X	X										✓	✓
SC-122 S. Base @ 15'		1315	P406076-04					X	X										✓	✓
SC-123 S. of E. wall @ 15'		1318	P406076-05					X	X										✓	✓
SC-124 SE wall corner @ 0-16'		1330	P406076-06					X	X										✓	✓
SC-126 E wall @ 0-17'		1424	P406076-07					X	X										✓	✓
SC-127 NE wall @ 6-18'		1532	P406076-08					X	X										✓	✓
SC-128 N. wall @ 5-20'	✓	1602	P406076-09					X	X										✓	✓
Relinquished by: (Signature) 					Date	Time	Received by: (Signature) 					Date	Time							
Relinquished by: (Signature)					6/20/14	705	Received by: (Signature)					6/20/14	705							
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">RUSH</div>					<div style="display: flex; align-items: center; justify-content: space-between;">  <div> <div style="font-size: 1.5em; font-weight: bold;">11.2</div> <div style="font-size: 1.5em; font-weight: bold;">11.9</div> <div style="font-size: 1.5em; font-weight: bold;">11.2</div> </div> </div>															



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17110

Samples Received: 6/20/2014 2:20:00PM

Job Number: 03117-0014

Work Order: P406079

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain".

Date: 6/24/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-125 E Base @ 21'	P406079-01A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-130 N Wall @ C-7 8-20'	P406079-02A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 8-12'	P406079-03A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 12-20'	P406079-04A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-125 E Base @ 21'
P406079-01 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-130 N Wall @ C-7 8-20'
P406079-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		103 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-131 E Wall @ RP 8-12'
P406079-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.4 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.5 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	l		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 24-Jun-14 12:05
---	---	------------------------------

SC-131 E Wall @ RP 12-20'

P406079-04 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		101 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)				Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			

Duplicate (1425028-DUP1)				Source: P406076-01		Prepared: 20-Jun-14 Analyzed: 23-Jun-14				
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1425028-MS1)				Source: P406076-01		Prepared: 20-Jun-14 Analyzed: 23-Jun-14				
Benzene	50.2		ug/L	50.0	ND	100	39-150			
Toluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	50.4		"	50.0	ND	101	32-160			
p,m-Xylene	101		"	100	ND	101	46-148			
o-Xylene	50.4		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)		Prepared: 20-Jun-14 Analyzed: 23-Jun-14								
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)		Source: P406076-01		Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425028-MS1)		Source: P406076-01		Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425029 - DRO Extraction EPA 3550C										
Blank (1425029-BLK1)				Prepared & Analyzed: 20-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)				Source: P406076-01 Prepared & Analyzed: 20-Jun-14						
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
Matrix Spike (1425029-MS1)				Source: P406076-01 Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

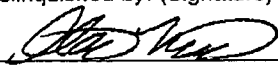
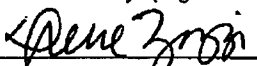
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17110

Client: SMA			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS															
Email results to: Steven.Maskal@sandmiller.com			Sampler Name: Steve Maskal			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact		
Client Phone No.: 505 215 9812			Client No.: 5122855 03117-0014																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HNO ₃	HCl															
SC-125 E. Base @ 21'	6/20/14	1000	P406079-01	1-4oz jar				X	X											✓	✓
SC-130 N. wall @ C-7 8-20'	↓	1050	P406079-02	↓				X	X											✓	✓
SC-131 E. wall @ RP 8-12'	↓	1112	P406079-03	↓				X	X											✓	✓
SC-131 E. wall @ RP 12-20'	↓	1114	P406079-04	↓				X	X											✓	✓
Relinquished by: (Signature) 					Date 6/20/14	Time 1420	Received by: (Signature) 										Date 6/20/14	Time 1420			
Relinquished by: (Signature)							Received by: (Signature)														
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="font-size: 2em; margin-top: 10px;">RUSH</div>																					





Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17122

Samples Received: 6/23/2014 4:50:00PM

Job Number: 03117-0014

Work Order: P406093

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 6/25/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Road @ 0-6'	P406093-01A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-132 Base Mid of E Wall @23'	P406093-02A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-133 EWall Mid @6-23'	P406093-03A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 25-Jun-14 13:59
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Road @ 0-6'
P406093-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		118 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		115 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 25-Jun-14 13:59
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-132 Base Mid of E Wall @23'
P406093-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	1.59	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	32.3	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	7.75	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	55.4	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	14.4	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	69.8	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	111	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		153 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: 1,3-Dichlorobenzene		236 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	644	5.00	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	152	30.0	mg/kg	l		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 25-Jun-14 13:59

SC-133 EWall Mid @6-23'
P406093-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	39.1	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	206	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	28.9	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	170	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	50.7	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	221	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	494	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		166 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		160 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	1330	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	377	30.0	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 25-Jun-14 13:59
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



150



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) ND 0.10 mg/kg

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 7.59 4.99 mg/kg ND 30

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 0.46 mg/L 0.450 ND 102 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 25-Jun-14 13:59
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1426010 - DRO Extraction EPA 3550C

Blank (1426010-BLK1)

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
---------------------------------	----	------	-------	--	--	--	--	--	--	--

Duplicate (1426010-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
---------------------------------	----	------	-------	--	----	--	--	--	----	--

Matrix Spike (1426010-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28)	279		mg/L	250	6.00	109	75-125			
---------------------------------	-----	--	------	-----	------	-----	--------	--	--	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17122

Client: <i>Souder Miller & Associates</i>			Project Name / Location: <i>Lateral C-7</i>			ANALYSIS / PARAMETERS														
Email results to: <i>steven.muskala@souder-miller.com</i>			Sampler Name: <i>Steve Muskala</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: <i>505 215 9812</i>			Client No.: <i>5122855 03117-0614</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl														
<i>Reed @ 6'</i>	<i>6/23/14</i>	<i>1517</i>	<i>P406093-01</i>	<i>1x4oz</i>				<i>X</i>	<i>X</i>									<i>Y</i>	<i>Y</i>	
<i>SC-132 Base mid of Ewell @ 23'</i>	<i>↓</i>	<i>1545</i>	<i>P406093-02</i>	<i>↓</i>				<i>X</i>	<i>X</i>									<i>L</i>	<i>L</i>	
<i>SC-133 E. wall mid @ 23'</i>	<i>↓</i>	<i>1547</i>	<i>P406093-03</i>	<i>↓</i>				<i>X</i>	<i>X</i>									<i>L</i>	<i>L</i>	
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>6/23/14</i>	Time <i>6:50</i>	Received by: (Signature) <i>[Signature]</i>										Date <i>6/23/14</i>	Time <i>16:50</i>		
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <i>RUSH</i>					 <div style="float: right; text-align: right;"> <i>10.5</i> <i>10.4</i> <i>10.0</i> </div>															



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17128

Samples Received: 6/24/2014 4:20:00PM

Job Number: 03117-0014

Work Order: P406102

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 6/26/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
26-Jun-14 12:35

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-136 E Wall @ 6-20'	P406102-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-137 S Wall @ 6-20'	P406102-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-132 E Base @ 33.5'	P406102-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 26-Jun-14 12:35

SC-136 E Wall @ 6-20'
P406102-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.3 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.9 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	l		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	l		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 26-Jun-14 12:35

SC-137 S Wall @ 6-20'
P406102-02 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.0 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.1 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-132 E Base @ 33.5'
P406102-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.2 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.5 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	33.1	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
26-Jun-14 12:35

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) ND 0.10 mg/kg

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 7.59 4.99 mg/kg ND 30

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 0.46 mg/L 0.450 ND 102 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 26-Jun-14 12:35

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1426010 - DRO Extraction EPA 3550C

Blank (1426010-BLK1)

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1426010-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg ND 30

Matrix Spike (1426010-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) 279 mg/L 250 6.00 109 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
26-Jun-14 12:35

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

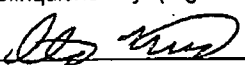
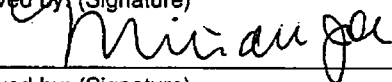
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17128

Client: Souder Miller & Associates			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS															
Email results to: steven.moskell@soudermiller.com			Sampler Name: Steve Moskell			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact	
Client Phone No.: 505 215 9812			Client No.: 5122855 03117-0014																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative																
					HNO ₃	HCl															
SC-136 E. Wall @ 20'	6/24/14	1116	P406102-01	1X 4oz				X	X											X	X
SC-137 S. Wall @ 20'	↓	1117	P406102-02	↓				X	X											X	X
SC-132 E. Base @ 33.5'	↓	1345	P406102-03	↓				X	X											X	X
Relinquished by: (Signature) 					Date 6/24/14	Time 16:20	Received by: (Signature) 					Date 6/24/14	Time 16:20								
Relinquished by: (Signature)							Received by: (Signature)														
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. RUSH																					



envirotech
Analytical Laboratory

8.8 9.3 6.4

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral 6B-15 Pipeline	Facility Type: Gas gathering system pipeline

Surface Owner: Navajo Allotment	Mineral Owner: Navajo Tribal	API No.
---------------------------------	------------------------------	---------

LOCATION OF RELEASE

Unit Letter A	Section 20	Township 28N	Range 12W	Feet from the	North/South Line 772	Feet from the	East/West Line 87	County San Juan
------------------	---------------	-----------------	--------------	------------------	----------------------------	------------------	-------------------------	--------------------

Latitude 36.65289 **Longitude** -108.12636

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 10/18/13 AT 7:00AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom?	Date and Hour JUL 18 2014	
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.* During a routine pipeline patrol, a leak was discovered. The pipeline line was isolated and removed from service. Repairs to the pipeline were completed on October 21, 2013.

Describe Area Affected and Cleanup Action Taken.*
Remediation and repair activities were completed on October 21, 2013. Approximately 142 cubic yards of impacted soil was excavated and transported to a NMOCD approved land farm facility. The final excavation measured forth-five (45) feet long by ten (10) feet wide by seven (7) feet deep. A third party corrective action report is included with this "final" c-141.

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.

Signature:		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by	DENIED
Title: Director, Environmental		Approval Date	BY: Cory Smith 8/27/14
E-mail Address: jefields@eprod.com		DATE: _____	(505) 334-6178 Ext. 115
Date: _____ Phone: (713)381-6684		Conditions of Approval:	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

#NCS 1423939939

33

Southwest GEOSCIENCE

606 S. Rio Grande Avenue, Suite A
Aztec, New Mexico 87410

Ph: (505) 334-5200

Fax: (505) 334-5204

December 3, 2013

Enterprise Products Operating, LLC
614 Reilly Avenue
Farmington, NM 87401
Attn: **Ms. Runell Seale**

Re: **6B-15 Pipeline Release**
Corrective Action Summary
NE ¼ NE ¼, Sec 20, Township 28 North, Range 12 West
Rural San Juan County, NM
SWG Project No. 0413G016

Dear Ms. Seale:

Southwest Geoscience (SWG) appreciates the opportunity to submit this Corrective Action Summary detailing Enterprise's response actions related to the release of natural gas and associated liquids, if any, at the Enterprise Products Operating, LLC (Enterprise) 6B-15 Pipeline, referred to hereinafter as the "Site" or "subject Site". The Site is located in the NE ¼ of the NE ¼ of Section 20, Township 28 North, Range 12 West in rural San Juan County, Navajo Nation, New Mexico.

A topographic map is included as Figure 1, an aerial photograph of the Site vicinity is included as Figure 2, and a Site Map is included as Figure 3 of Attachment A. Photographic documentation is provided in Attachment B.

Response/Assessment Activities

On October 16th, 2013 Enterprise initiated activities to expose the pipeline at the location of a potential leak that was identified during a vapor survey. With the exception of apparently distressed vegetation, no surface expression of a release was visible at the Site. The leak was confirmed and repaired on October 18th, 2013, and reported to the New Mexico Oil Conservation Division (OCD) and Navajo Nation Environmental Protection Agency (NNEPA). Soils in the vicinity of the release that were affected by the release of natural gas and possible associated liquids were segregated for disposal, with the resulting excavation measuring approximately forty-five (45) feet long, ten (10) feet wide, and seven (7) feet deep. In total, 142 cubic yards of material were removed from the excavation and transported to the Envirotech, Inc. Soil Remediation Facility near Hilltop, NM for treatment/disposal. Groundwater was not encountered during the excavation activities.

Between October 17th and October 21st, 2013, SWG representative Kyle Summers utilized hand tools to collect samples from the sidewalls and floor of the excavated area at depths of 0.5 to 1.0 feet beyond the exposed surfaces. Upon retrieval of each sample from the excavation, a portion of the soil sample was placed in laboratory prepared glassware for potential laboratory analysis and a portion of the soil sample was placed into a plastic ziplock bag for field screening utilizing a photoionization detector (PID) capable of detecting volatile organic compounds (VOCs). The PID was calibrated utilizing an isobutylene standard prior to use in the field.

The soil samples selected for laboratory analysis were placed in laboratory prepared glassware, sealed with custody tape/labels and placed on ice in a cooler, which was secured with a custody seal. The sample coolers and completed chain-of-custody forms were relinquished to Envirotech Analytical Laboratory for rush turnaround. Laboratory analytical results are provided in Table 1 of Attachment C. The executed chain-of-custody form and laboratory data sheets are provided in Attachment D. The samples were submitted for the analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) utilizing SW-846 Method 8021, and total petroleum hydrocarbons gasoline range organics (GRO) and diesel range organics (DRO) utilizing SW-846 Method 8015. Envirotech performed the analyses of samples under an adequate and documented quality assurance program to meet the project and data quality objectives.

The site is under the jurisdiction of the NNEPA, generally following the guidelines set forth by the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD). In accordance with the OCD's *Guidelines for Remediation of Leaks, Spills and Releases*, SWG utilized the general site characteristics to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the table below:

Ranking Criteria			Ranking Score
Depth to Groundwater	<50 feet	20	20
	50 to 99 feet	10	
	>100 feet	0	
Wellhead Protection Area • <1,000 feet from a water source, or; <200 feet from private domestic water source.	Yes	20	0
	No	0	
Distance to Surface Water Body	<200 feet	20	10
	200 to 1,000 feet	10	
	>1,000 feet	0	
Total Ranking Score			30

Based on SWG's evaluation of the scoring criteria, the Site would have a Total Ranking Score of 30. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is estimated to be less than 50 feet at the Site, based on the proximity of the Gallegos Canyon wash to the east.
- No water wells were identified on the State Engineer's water rights web site within one mile of the Site.
- The release occurred adjacent to a dry unnamed ephemeral wash that drains into Gallegos Canyon approximately 700 feet from the release site. The Gallegos Canyon wash ultimately drains into the San Juan River, approximately 3.2 miles to the north.

During the completion of a 1,000-foot receptor survey, SWG inspected the Site vicinity for dwellings, schools, hospitals, day care centers, nursing homes, businesses, parks and/or recreational areas, located within 1,000 feet of the Site. In addition, SWG evaluated the presence of sensitive ecological receptors such as surface water bodies, wildlife sanctuaries and/or

wetlands areas located within 1,000 feet of the Site. Gallegos Canyon wash, located 700 to 800 feet east of the Site, and the unnamed arroyo located adjacent to the Site are located within a 1,000 feet radius of the Site. No dwellings, schools, hospitals, day care centers, nursing homes, parks, recreational areas, or wildlife sanctuaries were observed within 1,000 feet of the Site.

SWG compared the TPH GRO/DRO and BTEX concentrations or laboratory reporting limits (RLs) associated with the confirmation soil samples collected from the excavation to the OCD's *Remediation Action Levels* for Sites having a total ranking score of >20. The results of the soil sample analyses are summarized in Table 1 included in Attachment C.

Total Petroleum Hydrocarbons

Soil samples S-1, S-2, S-4, S-5, S-7, and S-8 did not exhibit TPH GRO/DRO concentrations above the OCD's *Remediation Action Level* of 100 mg/Kg.

Soil samples S-3 and S-6 exhibited combined TPH GRO/DRO concentrations of 1,900 mg/Kg and 5,670 mg/Kg, respectively, which are above the OCD's *Remediation Action Level* of 100 mg/Kg. The portion of the excavation represented by these samples was over-excavated and re-sampled (samples S-9 and S-10). Samples S-9 and S-10 did not exhibit TPH GRO/DRO concentrations above the OCD's *Remediation Action Level* of 100 mg/Kg.

Benzene and Total BTEX

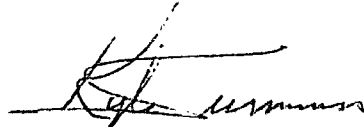
Soil samples S-1, S-2, S-4, S-5, S-7, and S-8 through S-5 did not exhibit benzene, toluene, ethylbenzene, total xylenes, or total BTEX concentrations above the OCD's *Remediation Action Levels*.

Soil samples S-3 and S-6 exhibited total BTEX concentrations of 54.2 mg/Kg and 132 mg/Kg, respectively, which are above the OCD's *Remediation Action Level* of 50 mg/Kg. The portion of the excavation represented by these samples was over-excavated and re-sampled (samples S-9 and S-10). Samples S-9 and S-10 did not exhibit total BTEX concentrations above the OCD's *Remediation Action Level* of 50 mg/Kg.

- Based on the results of corrective actions and laboratory analyses, no additional investigation or remediation appears warranted at this time.

If you should have any questions or comments regarding this letter report, please contact the undersigned at (505) 334-5200.

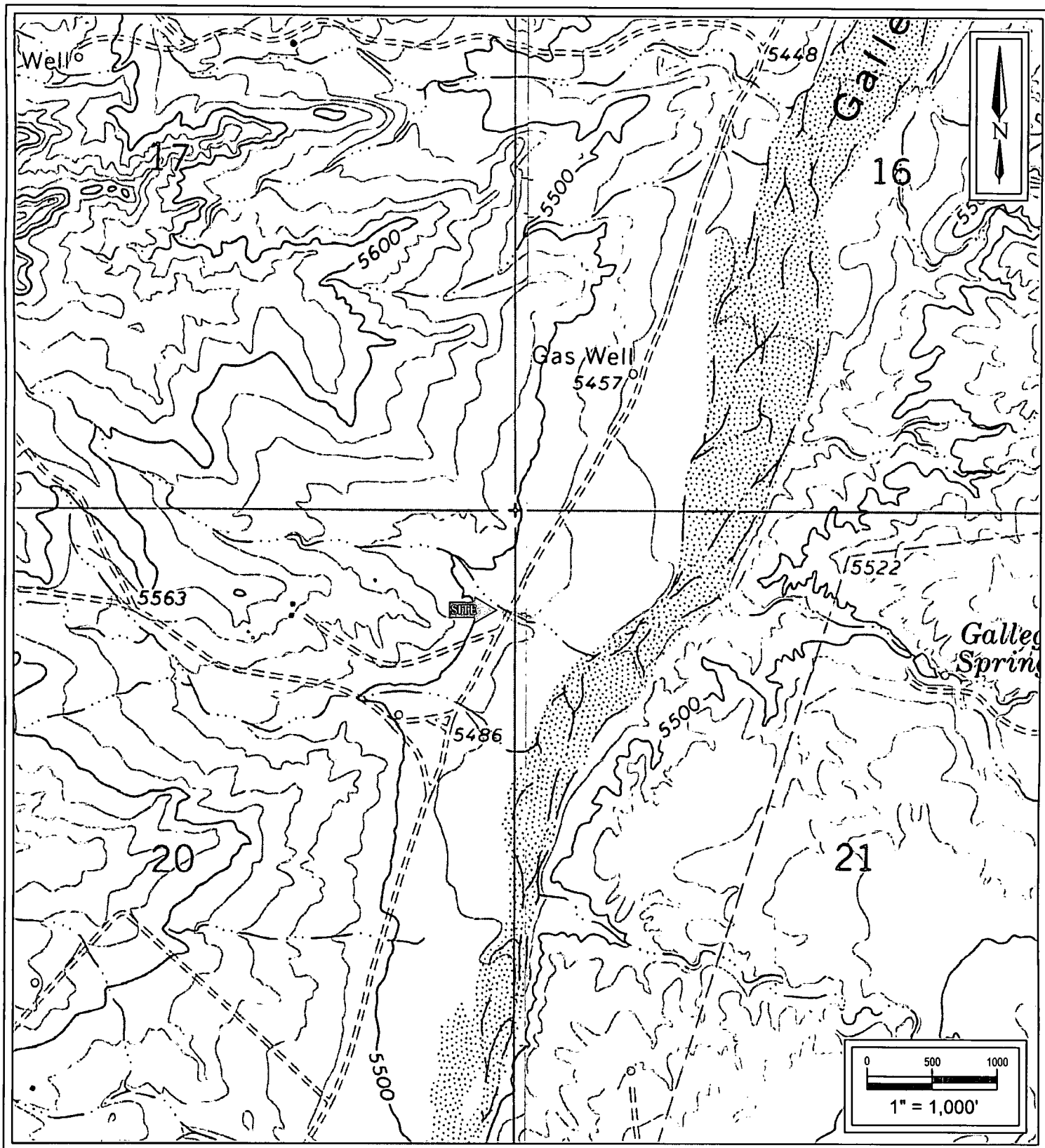
Sincerely,
Southwest Geoscience



Kyle Summers C.P.G.
Manager, Four Corners



B. Chris Mitchell, P.G.
Principal Geoscientist



Lateral 6B-15 Pipeline Release
 Rural San Juan County,
 Navajo Nation, New Mexico

SWG Project No. 0413G016

Southwest
 GEOSCIENCE

Figure 1
Topographic Map
 Farmington South Quadrangle
 And Horn Canyon Quadrangle
 1965



Lateral 6B-15 Pipeline Release
Rural San Juan County,
Navajo Nation, New Mexico

SWG Project No. 0413G016

Southwest
GEOSCIENCE

Figure 2
Site Vicinity Map
2011 Aerial Photograph

DRY WASH



S5 10/17/2013	
Benzene:	<0.05
Toluene:	0.06
Ethylbenzene:	<0.05
Xylenes:	0.07
Total BTEX:	0.12
GRO:	<5.00
DRO:	<29.9

S8 10/17/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	<0.05
Total BTEX:	<0.05
GRO:	<4.99
DRO:	<29.9

S4 10/17/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	<0.05
Total BTEX:	<0.05
GRO:	<5.00
DRO:	<29.9

S7 10/17/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	<0.05
Total BTEX:	<0.05
GRO:	6.89
DRO:	36.6

S9 10/21/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	0.07
Total BTEX:	0.07
GRO:	<5.00
DRO:	<30.0

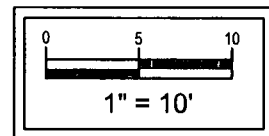
S10 10/21/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	0.06
Total BTEX:	0.06
GRO:	<5.00
DRO:	43.8

S2 10/17/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	<0.05
Total BTEX:	<0.05
GRO:	<5.00
DRO:	<30.0

S1 10/16/2013	
Benzene:	<0.05
Toluene:	<0.05
Ethylbenzene:	<0.05
Xylenes:	<0.05
Total BTEX:	<0.05
GRO:	5.65
DRO:	<30.0

LEGEND:

- — — PIPELINE
- △ RELEASE POINT
- SAMPLE LOCATION

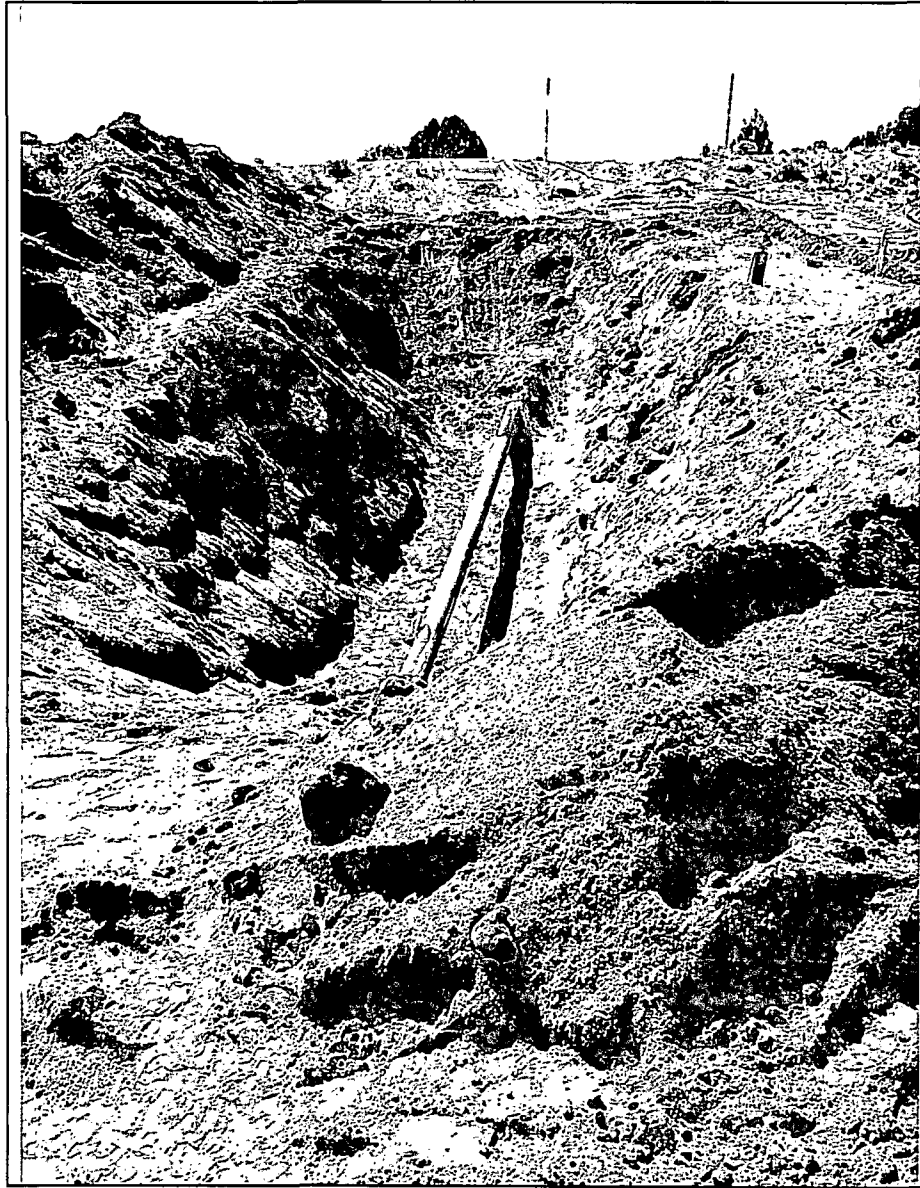


Lateral 6B-15 Pipeline Release
Rural San Juan County,
Navajo Nation, New Mexico

SWG Project No. 0413G016

Southwest
GEOSCIENCE

Figure 3
Site Map with Soil
Analytical Results



1.) General view of the final extent of excavation and repaired pipeline.

TABLE 1
Lateral 6B-15 Pipeline Release
SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Minerals & Natural Resources Department, Oil Conservation Division, Remediation Action Level								100	
			10	NE	NE	NE	50		
Confirmation Samples From Soils Which Were Removed by Excavation									
S-3	10.17.13	6.0	1.03	13.4	3.59	36.2	54.2	157	1,740
S-6	10.17.13	7.0	2.13	44.9	9.68	74.6	132	450	5,220
Confirmation Samples From Soils Remaining in Place									
S-1	10.16.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	5.65	<30.0
S-2	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<5.00	<30.0
S-4	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<5.00	<29.9
S-5	10.17.13	6.0	<0.05	0.06	<0.05	0.07	0.12	<5.00	<29.9
S-7	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	6.89	36.6
S-8	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<4.99	<29.9
S-9	10.21.13	10.0	<0.05	<0.05	<0.05	0.07	0.07	<5.00	<30.0
S-10	10.21.13	15.0	<0.05	<0.05	<0.05	0.06	0.06	<5.00	43.8

Note: Concentrations in bold and yellow exceed the applicable OCD Remediation Action Level

NE = Not Established

* = This area was subsequently over-excavated



Analytical Report

Report Summary

Client: Southwest Geoscience

Chain Of Custody Number: 16228

Samples Received: 10/17/2013 3:30:00PM

Job Number: 07174-0003

Work Order: P310071

Project Name/Location: 6B-15

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Tim Cain, Laboratory Manager

Date: 10/21/13

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1	P310071-01A	Soil	10/16/13	10/17/13	Glass Jar, 4 oz.
S-2	P310071-02A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-3	P310071-03A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-4	P310071-04A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-5	P310071-05A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-6	P310071-06A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-7	P310071-07A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-8	P310071-08A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-1
P310071-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		98.3 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.6 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	5.65	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	5.65	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience 2351 W. Northwest Hwy Dallas TX, 75220	Project Name: 6B-15 Project Number: 07174-0003 Project Manager: Kyle Summers	Reported: 21-Oct-13 14:05
---	--	------------------------------

S-2
P310071-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		94.1 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.4 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-3
P310071-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	1.03	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	13.4	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	3.59	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	26.4	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	9.73	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	36.2	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	54.2	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		179 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		127 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	157	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	1740	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	1900	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-4
P310071-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		89.0 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		86.8 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
<u>Nonhalogenated Organics by 8015</u>									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-5
P310071-05 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
Toluene	0.06	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
p,m-Xylene	0.07	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
Total Xylenes	0.07	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
Total BTEX	0.12	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B		
Surrogate: Bromochlorobenzene		97.8 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B		
Surrogate: 1,3-Dichlorobenzene		95.2 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B		
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D		
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D		

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-6
P310071-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	2.31	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	44.9	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	9.68	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	54.6	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	20.0	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	74.6	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	132	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		154 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		128 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	450	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	5220	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	5670	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-7
P310071-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		91.9 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.3 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	6.89	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	36.6	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	43.5	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

 Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

S-8
P310071-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.4 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Southwest Geoscience 2351 W. Northwest Hwy Dallas TX, 75220	Project Name: 6B-15 Project Number: 07174-0003 Project Manager: Kyle Summers	Reported: 21-Oct-13 14:05
---	--	------------------------------

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1342029 - Purge and Trap EPA 5030A

Blank (1342029-BLK1)			Prepared: 17-Oct-13 Analyzed: 18-Oct-13							
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	47.4		ug/L	50.0		94.7	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			

Duplicate (1342029-DUP1)			Source: P310070-01		Prepared: 17-Oct-13 Analyzed: 18-Oct-13					
Benzene	ND	0.05	mg/kg		ND			30		
Toluene	0.05	0.05	"		0.05			0.255	30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	0.09	0.05	"		0.06			39.7	30	D1
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	49.0		ug/L	50.0		98.0	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			

Matrix Spike (1342029-MS1)			Source: P310070-01		Prepared: 17-Oct-13 Analyzed: 18-Oct-13					
Benzene	56.6		ug/L	50.0	0.64	112	39-150			
Toluene	59.8		"	50.0	1.00	118	46-148			
Ethylbenzene	59.2		"	50.0	0.15	118	32-160			
p,m-Xylene	118		"	100	1.20	117	46-148			
o-Xylene	59.0		"	50.0	0.52	117	46-148			
Surrogate: 1,3-Dichlorobenzene	48.7		"	50.0		97.5	80-120			
Surrogate: Bromochlorobenzene	50.3		"	50.0		101	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Southwest Geoscience
2351 W. Northwest Hwy
Dallas TX, 75220

Project Name: 6B-15
Project Number: 07174-0003
Project Manager: Kyle Summers

Reported:
21-Oct-13 14:05

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1342028 - DRO Extraction EPA 3550C

Blank (1342028-BLK1)

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Diesel Range Organics (C10-C28) ND 29.9 mg/kg

Duplicate (1342028-DUP1)

Source: P310070-01

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Diesel Range Organics (C10-C28) ND 30.0 mg/kg ND 30

Matrix Spike (1342028-MS1)

Source: P310070-01

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Diesel Range Organics (C10-C28) 251 mg/L 250 8.82 96.7 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Southwest Geoscience	Project Name:	6B-15	Reported: 21-Oct-13 14:05
2351 W. Northwest Hwy	Project Number:	07174-0003	
Dallas TX, 75220	Project Manager:	Kyle Summers	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1342029 - Purge and Trap EPA 5030A

Blank (1342029-BLK1)

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
----------------------------------	----	------	-------	--	--	--	--	--	--	--

Duplicate (1342029-DUP1)

Source: P310070-01

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
----------------------------------	----	------	-------	--	----	--	--	--	----	--

Matrix Spike (1342029-MS1)

Source: P310070-01

Prepared: 17-Oct-13 Analyzed: 18-Oct-13

Gasoline Range Organics (C6-C10)	0.54		mg/L	0.450	0.06	107	75-125			
----------------------------------	------	--	------	-------	------	-----	--------	--	--	--

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

Southwest Geoscience
 2351 W. Northwest Hwy
 Dallas TX, 75220

Project Name: 6B-15
 Project Number: 07174-0003
 Project Manager: Kyle Summers

Reported:
 21-Oct-13 14:05

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

CHAIN OF CUSTODY RECORD

16228

Page 15 of 15

Client: SWG/EPROD			Project Name / Location: 6B-15			ANALYSIS / PARAMETERS											
Email results to: Kyle Summers			Sampler Name: Kyle Summers			<div style="display: flex; justify-content: space-between;"> <div> TPH (Method 8015) BTX (Method 8021) VOC (Method 8260) RCRA 8 Metals Cation / Anion RCI TCLP with H/P CO Table 910-1 TPH (418.1) CHLORIDE Sample Cool Sample Intact </div> </div>											
Client Phone No.: 903 821 5603			Client No.: 07174-0003														

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HNO ₃	HCl															
S-1	10/16/13	1300	P310071-01	1X40z.				X	X											X	X
S-2	10/17/13	1400	P310071-02	↓																	
S-3		1405	P310071-03																		
S-4		1410	P310071-04																		
S-5		1415	P310071-05																		
S-6		1420	P310071-06																		
S-7		1425	P310071-07																		
S-8		1430	P310071-08																		
KS																					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	10/17/13	1530	<i>[Signature]</i>	10/17/13	15:30
Relinquished by: (Signature)			Received by: (Signature)		
Sample Matrix			Rush - Direct bill EPROD		
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>			Paykey RB 21200 cc 15-404		
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.					



envirotech
Analytical Laboratory



Analytical Report

Report Summary

Client: Enterprise Products
Chain Of Custody Number: 16248
Samples Received: 10/21/2013 4:50:00PM
Job Number: 97057-0352
Work Order: P310085
Project Name/Location: 6B-15

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Tim Cain, Laboratory Manager

Date: 10/22/13

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Enterprise Products
614 Reilly Ave
Farmington NM, 87401

Project Name: 6B-15
Project Number: 97057-0352
Project Manager: Kyle Summers-SW Geoscience

Reported:
22-Oct-13 14:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-9	P310085-01A	Soil	10/21/13	10/21/13	Glass Jar, 4 oz.
S-10	P310085-02A	Soil	10/21/13	10/21/13	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Enterprise Products	Project Name:	6B-15	Reported: 22-Oct-13 14:59
614 Reilly Ave	Project Number:	97057-0352	
Farmington NM, 87401	Project Manager:	Kyle Summers-SW Geoscience	

S-9

P310085-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
Toluene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
Ethylbenzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
p,m-Xylene	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
o-Xylene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
Total Xylenes	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
Total BTEX	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B		
Surrogate: Bromochlorobenzene		85.3 %		80-120	1343007	10/22/13	10/22/13	EPA 8021B		
Surrogate: 1,3-Dichlorobenzene		87.0 %		80-120	1343007	10/22/13	10/22/13	EPA 8021B		
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1343008	10/22/13	10/22/13	EPA 8015D		
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/22/13	10/22/13	EPA 8015D		

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Enterprise Products	Project Name:	6B-15	Reported: 22-Oct-13 14:59
614 Reilly Ave	Project Number:	97057-0352	
Farmington NM, 87401	Project Manager:	Kyle Summers-SW Geoscience	

S-10
P310085-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
p,m-Xylene	0.06	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total Xylenes	0.06	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total BTEX	0.06	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: Bromochlorobenzene		85.6 %	80-120		1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		83.3 %	80-120		1343007	10/22/13	10/22/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8015D	
Diesel Range Organics (C10-C28)	43.8	30.0	mg/kg	1	1343008	10/22/13	10/22/13	EPA 8015D	
GRO and DRO Combined Fractions	43.8	5.00	mg/kg		[CALC]	10/22/13	10/22/13	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Enterprise Products	Project Name:	6B-15	Reported: 22-Oct-13 14:59
614 Reilly Ave	Project Number:	97057-0352	
Farmington NM, 87401	Project Manager:	Kyle Summers-SW Geoscience	

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1343007 - Purge and Trap EPA 5030A

Blank (1343007-BLK1)		Prepared & Analyzed: 22-Oct-13								
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			

Duplicate (1343007-DUP1)		Source: P310084-01		Prepared & Analyzed: 22-Oct-13						
Benzene	1.72	0.05	mg/kg		0.42			122	30	D1
Toluene	27.9	0.05	"		24.8			11.8	30	
Ethylbenzene	7.59	0.05	"		6.93			9.18	30	
p,m-Xylene	65.6	0.05	"		61.1			7.11	30	
o-Xylene	14.6	0.05	"		15.5			5.98	30	
Surrogate: 1,3-Dichlorobenzene	64.1		ug/L	50.0		128	80-120			Surr1
Surrogate: Bromochlorobenzene	53.7		"	50.0		107	80-120			

Matrix Spike (1343007-MS1)		Source: P310084-01		Prepared & Analyzed: 22-Oct-13						
Benzene	19.9		ug/L	50.0	8.34	23.1	39-150			SPK1
Toluene	465		"	50.0	496	NR	46-148			SPK1
Ethylbenzene	177		"	50.0	139	76.9	32-160			
p,m-Xylene	1180		"	100	1220	NR	46-148			SPK1
o-Xylene	327		"	50.0	311	32.3	46-148			SPK1
Surrogate: 1,3-Dichlorobenzene	65.4		"	50.0		131	80-120			SPK1
Surrogate: Bromochlorobenzene	53.9		"	50.0		108	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Enterprise Products	Project Name:	6B-15	Reported: 22-Oct-13 14:59
614 Reilly Ave	Project Number:	97057-0352	
Farmington NM, 87401	Project Manager:	Kyle Summers-SW Geoscience	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1343007 - Purge and Trap EPA 5030A

Blank (1343007-BLK1)		Prepared & Analyzed: 22-Oct-13							
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg						
Duplicate (1343007-DUP1)		Source: P310084-01		Prepared & Analyzed: 22-Oct-13					
Gasoline Range Organics (C6-C10)	767	4.99	mg/kg		633			19.2	30
Matrix Spike (1343007-MS1)		Source: P310084-01		Prepared & Analyzed: 22-Oct-13					
Gasoline Range Organics (C6-C10)	12.4		mg/L	0.450	12.7	NR	75-125		SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Enterprise Products
614 Reilly Ave
Farmington NM, 87401

Project Name: 6B-15
Project Number: 97057-0352
Project Manager: Kyle Summers-SW Geoscience

Reported:
22-Oct-13 14:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1343008 - DRO Extraction EPA 3550C

Blank (1343008-BLK1)

Prepared & Analyzed: 22-Oct-13

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1343008-DUP1)

Source: P310084-01

Prepared & Analyzed: 22-Oct-13

Diesel Range Organics (C10-C28) 214 30.0 mg/kg 274 24.5 30

Matrix Spike (1343008-MS1)

Source: P310084-01

Prepared & Analyzed: 22-Oct-13

Diesel Range Organics (C10-C28) 459 mg/L 250 260 79.5 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

Enterprise Products
 614 Reilly Ave
 Farmington NM, 87401

Project Name: 6B-15
 Project Number: 97057-0352
 Project Manager: Kyle Summers-SW Geoscience

Reported:
 22-Oct-13 14:59

Notes and Definitions

Surr1 Surrogate recovery was above acceptable limits.

SPK1 The spike recovery for this QC sample is outside of control limits.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis



RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

CHAIN OF CUSTODY RECORD

16248

Page 9 of 9

Client: ENROD		Project Name / Location: 66-15		ANALYSIS / PARAMETERS																
Email results to: Kyle Summers		Sampler Name: Kyle Summers																		
Client Phone No.: 903-821-5603		Client No.: 97057-0352																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE		Sample Cool	Sample Intact
					HNO ₃	HCl														
5-9	10/21/13	1600	P310085-01	1 X 402				X	X										Y	Y
5-10	10/21/13	1605	P310085-02	1 X 402				X	X										Y	Y
NFS																				
RU																				
Relinquished by: (Signature) 				Date	Time	Received by: (Signature) 				Date	Time									
				10/21/13	1650					10/21/13	1650									
Relinquished by: (Signature)						Received by: (Signature)														
Sample Matrix						RUSH														
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.				Pay Key RB21200 CC 75404																



District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: GCU #273 Well Tie/Lateral 3E-1	Facility Type: Natural Gas Gathering Line	
Surface Owner: Navajo Tribal Allotment	Mineral Owner: Navajo Tribal	API No.

LOCATION OF RELEASE

Unit Letter A	Section 31	Township 28N	Range 12W	Feet from the 1132	North South Line	Feet from the 92	East West Line	County San Juan
------------------	---------------	-----------------	--------------	-----------------------	------------------	---------------------	----------------	--------------------

Latitude 36.622800 Longitude -108.144360

NATURE OF RELEASE

Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: To be Determined	Volume Recovered: Unknown
Source of Release: Suspected internal corrosion	Date and Hour of Occurrence: 7/2/2014 @ 12:30 p.m.	Date and Hour of Discovery: 7/2/2014 @ 1:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Courtesy Notification to NMOCD - Cory Smith, NAPI; Steve Austin - NNEPA	
By Whom? Thomas Long	Date and Hour Courtesy Notification 7/9/2014 @ 1:30 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

OIL CONS. DIV DIST. 3

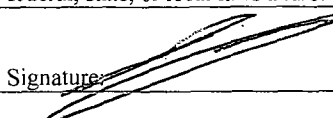
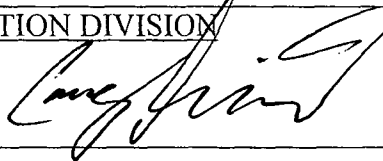
JUL 21 2014

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action: Enterprise personnel responded a possible line leak on the GCU #273 Well Tie/Lateral 3E-1 pipeline. The leak was verified and pipeline was depressurized and applied lock out tag out was applied. A surface area of approximately 2 feet wide by 6 feet long was affected. The excavation and repairs of pipeline are currently being scheduled.

Describe Area Affected and Cleanup Action Taken.*: Enterprise personnel responded a possible line leak on the GCU #273 Well Tie/Lateral 3E-1 pipeline. The leak was verified and the pipeline was depressurized and applied lock out tag out was applied. A surface area of approximately 2 feet wide by 6 feet long was affected. The excavation and repairs of pipeline are currently being scheduled. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Ivan W. Zirbes	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 7/25/14	Expiration Date:
E-mail Address: snolan@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-16-2014 Phone: (713)381-6595		

* Attach Additional Sheets If Necessary

NCS 1420 655420

①

District I
1625 N. French Cr., 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral 3B-28	Facility Type: Natural Gas Gathering Line

Surface Owner: Private	Mineral Owner: BLM	APPROVED BY OIL CONSERVATION DIV DIST. 3
------------------------	--------------------	--

LOCATION OF RELEASE

Unit Letter M	Section 25	Township 29N	Range 10W	Feet from the 905	North/South Line South	Feet from the 842	East/West Line West	County San Juan
------------------	---------------	-----------------	--------------	-------------------------	------------------------------	-------------------------	---------------------------	--------------------

Latitude 36.692349

Longitude -107.842714

NATURE OF RELEASE


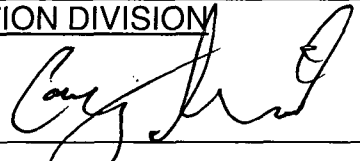
Type of Release: Natural Gas	Volume of Release: 11.2 MCF	Volume Recovered: Unknown
Source of Release: Suspected internal corrosion	Date and Hour of Occurrence: 7/7/2014 @ 4:30 p.m.	Date and Hour of Discovery: 7/7/2014 @ 6:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Notification to NMOCD - Cory Smith,	
By Whom? Thomas Long	Date and Hour Notification 7/8/2014 @ 9:00 a.m.	
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: On 7/7/2014, Enterprise personnel responded to a possible line leak on lateral 2B-28, a Class II Jurisdictional area. The Enterprise technicians on site isolated the pipeline and applied lock out tag out was applied and conducted an overnight pressure test. Leak was verified through pressure testing and gas scope on 7/8/2014.

Describe Area Affected and Cleanup Action Taken.*: Enterprise personnel responded to a possible line leak on lateral 2B-28, a Class II Jurisdictional area. The Enterprise technicians on site isolated the pipeline and applied lock out tag out was applied. No liquids were visible on the ground surface. The excavation and repairs of pipeline are being scheduled. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Ivan W. Zirbes	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 7/24/14	Expiration Date:
E-mail Address: snolan@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7-17-2014	Phone: (713)381-6595	

* Attach Additional Sheets If Necessary

#NCS 1420655983

①

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral C-7 Pipeline	Facility Type: Natural Gas Gather Pipeline

Surface Owner: BLM	Mineral Owner: BLM	API No.
--------------------	--------------------	---------

LOCATION OF RELEASE

Unit Letter C	Section 1	Township 27N	Range 9W	Feet from the 431	North South Line	Feet from the 2,394	East West Line	County San Juan
------------------	--------------	-----------------	-------------	-------------------------	---------------------	---------------------------	-------------------	--------------------

Latitude 36.61010

Longitude -107.74052

OIL CONS. DIV DIST. 3

NATURE OF RELEASE

JUL 24 2014

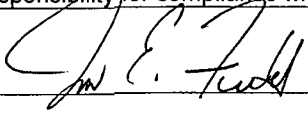
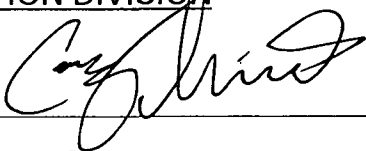
Type of Release: Natural gas and associated liquids	Volume of Release: 445.31 MCF	Volume Recovered: None
Source of Release: Internal corrosion of the pipeline	Date and Hour of Occurrence: 12/9/2013	Date and Hour of Discovery: 12/9/2013 @ 10:30 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD, Sherrie Landon - BLM	
By Whom? Thomas Long	Date and Hour 12/9/13 @ 10:25 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.* A small unnamed ephemeral wash intersects CR 7007 and the release area. There were no visible surface impacts.

Describe Cause of Problem and Remedial Action Taken.* A technician discovered a pipeline leak on the Lateral C-7 pipeline. The line was isolated, depressurized and lock out tag out was applied. The release area is along the west side of CR 7007. Repairs began for week of December 9, 2013. Remediation was completed during June 2014.

Describe Area Affected and Cleanup Action Taken.* Repairs and initial remediation actions were completed in December 2013. Approximately 234 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved landfarm facility. On April 4, 2014 the release site was delineated using direct push technology. From June 14, 2014 to June 24, 2014, an additional 1,984 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved land farm facility for proper disposal. The final excavation measured 83 feet long by 48 feet wide ranging from five (5) to approximately 33 feet deep. A third party environmental contractor report is included with this "Final" C-141.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Environmental	Approval Date: 7/30/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/21/2014	Phone: (713) 381-6684	

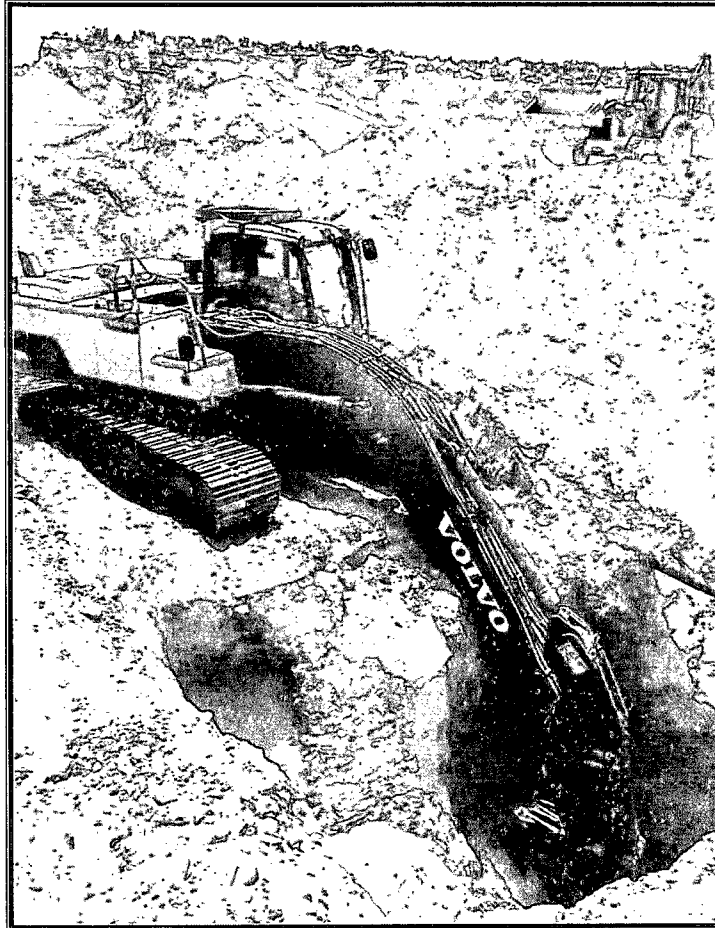
* Attach Additional Sheets If Necessary

#NCS 14211 36422

SAN JUAN Facility

200

**Enterprise Products
Lateral C-7 Pipeline Release
Latitude North 36.61010°, Longitude West -107.74052°
Lot 1 Section 1 T27N R9W
San Juan County, New Mexico
July 9, 2014**



Submitted To:

Enterprise Products
Field Environmental-San Juan Basin
614 Reilly Avenue
Farmington, NM 87401

Submitted By:

Souder, Miller & Associates
401 West Broadway
Farmington, NM 87401
(505)325-7535

OIL CONS. DIV DIST. 3

JUL 24 2014



Table of Contents

1.0	Executive Summary	1
2.0	Introduction	1
3.0	Site Ranking and Land Jurisdiction	2
4.0	Summary of Field Activities	2
5.0	Conclusions and Recommendations	3
6.0	Closure and Limitations	3

Figures:

Figure 1: Vicinity Map

Figure 2: Site Map

Figure 3: Geoprobe Delineation Map

Figure 4: Soil Contaminant Concentration Map

Tables:

Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Field Screening Results

Table 4: Summary of Laboratory Analysis

Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation

Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

On June 16 through June 24, 2014 Souder, Miller & Associates (SMA) oversaw the excavation of a hydrocarbon release associated with the Lateral C-7 pipeline initially reported on December 5, 2013. An initial excavation to repair the pipeline proceeded during the month of December, 2013, but due to permitting and access to excavate within the nearby San Juan County Road 7007, the excavation ceased. The table below summarizes information about the recent remediation activities.

TABLE 1: RELEASE INFORMATION					
Name	Lateral C-7 Pipeline Release				
Location	Latitude/Longitude		Section, Township, Range		
	36.61010°	-107.74052°	Lot 1	Section 1	T 27N, R 9W
Date Reported	December 5, 2013				
Reported to	Tom Long				
Land Owner	Bureau of Land Management (BLM)				
Reported To	BLM, NM Oil Conservation Division (NMOCD)				
Diameter of Pipeline	10 inches				
Source of Release	Internal Corrosion, Faulty Spiral Welds				
Release Contents	Natural Gas Liquids/Condensate				
Release Volume	Unknown				
Nearest Waterway	Unnamed Tributary Wash to Blanco Wash				
Depth to Groundwater	Assumed to be less than 50 feet				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	40				
SMA Response Dates	12/6-12/7/13, 12/9-12/14/13 and 12/16/13; 6/16-6/20/14 and 6/23-6/24/14				
Subcontractors	Energy Maintenance Services (EMS)				
Disposal Facility	Envirotech Landfarm				
Yd ³ Contaminated Soil Excavated and Disposed	2,218 Total: 234 yards ³ December 2013; 1984 yards ³ June 2014				

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Lateral C-7 pipeline. The C-7 pipeline release was a result of internal corrosion of the 10-inch, steel pipeline. In all, 10 release points were identified in an approximately 30 foot section of the 10-inch steel pipeline during the December, 2013, excavation and repairs. The release was initially reported on December 5, 2013. The pipeline is located in Lot 1, Section 1, Township 27 North, Range 9

West; 36.61010°, -107.74052°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located in an unnamed tributary wash of Blanco Wash on land managed by the Bureau of Land Management with an elevation of approximately 5,916 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs). Figure 2 depicts the site location.

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, 10 wells were located within a 1 mile radius of the site. The physical location of this release is within the jurisdiction of the Bureau of Land Management.

This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On December 6-7, 2013, December 9-14, 2013, and December 16, 2013 SMA mobilized to the release site to oversee excavation activities during the repair of the Pipeline. On April 4, 2014, SMA employed a Geoprobe® direct push drill rig to further delineate the subsurface release. A map of the direct push delineation is illustrated in Figure 3.

On June 16, SMA oversaw and directed the excavation of hydrocarbon impacted soils by Energy Maintenance Services (EMS). SMA guided the excavation activities by collecting soil samples for field screening with a calibrated photo-ionization detector (PID). Table 3 summarizes the field screening results. Field notes are included in Appendix A.

Soil samples were initially field screened with a calibrated PID. Samples suspected of hydrocarbon contamination below regulatory standards were submitted for conformation laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Envirotech Analytical Laboratory in Farmington, New Mexico. Figure 4 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

The final excavation dimensions were approximately 83 feet long by 48 feet wide and up to 33.5 feet deep, covering an area of approximately 3,800 square feet. In total, approximately 2,218 cubic yards of material were excavated. During the December, 2013 approximately 234 cubic yards of hydrocarbon contaminated soil were excavated and transported for disposal. During June, 2014 approximately 1,984 cubic yards of soil were hauled to Envirotech Land Farm near

July 9, 2014

Bloomfield, New Mexico for proper disposal and replaced with clean backfill material. Soil disposal documentation is included in Appendix C. Site photography is included in Appendix B.

5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH.

Laboratory analytical results for all samples collected during the June, 2014 excavation indicate concentrations below NMOCD Guidelines with the exception of those collected from the east base (SC-132 Base Mid of E Wall @ 23') and east wall (E Wall Mid @ 6-23') on June 23, 2014. The locations of these two samples were further excavated on June 24, 2014, and additional samples were collected and submitted for laboratory analysis. Specifically, the base of the excavation was further excavated to 33.5 feet bgs and the east wall was excavated approximately 6 feet further to the east. The subsequent samples collected from these two locations were submitted for laboratory analysis on June 24, 2014. The subsequent sample results were below NMOCD/BLM Guidelines for benzene, BTEX and TPH. During the excavation, continued reporting of laboratory results and correspondence from Enterprise and SMA with the BLM allowed for approved backfilling as the excavation continued. The backfilling of the excavation was completed on June 27, 2014.

Soil contaminant concentrations are illustrated in Figure 4. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further activities at the Lateral C-7 site.

6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

If there are any questions regarding this report, please contact either Steve Moskal or Reid Allan at 505-325-7535.

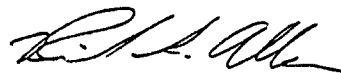
Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

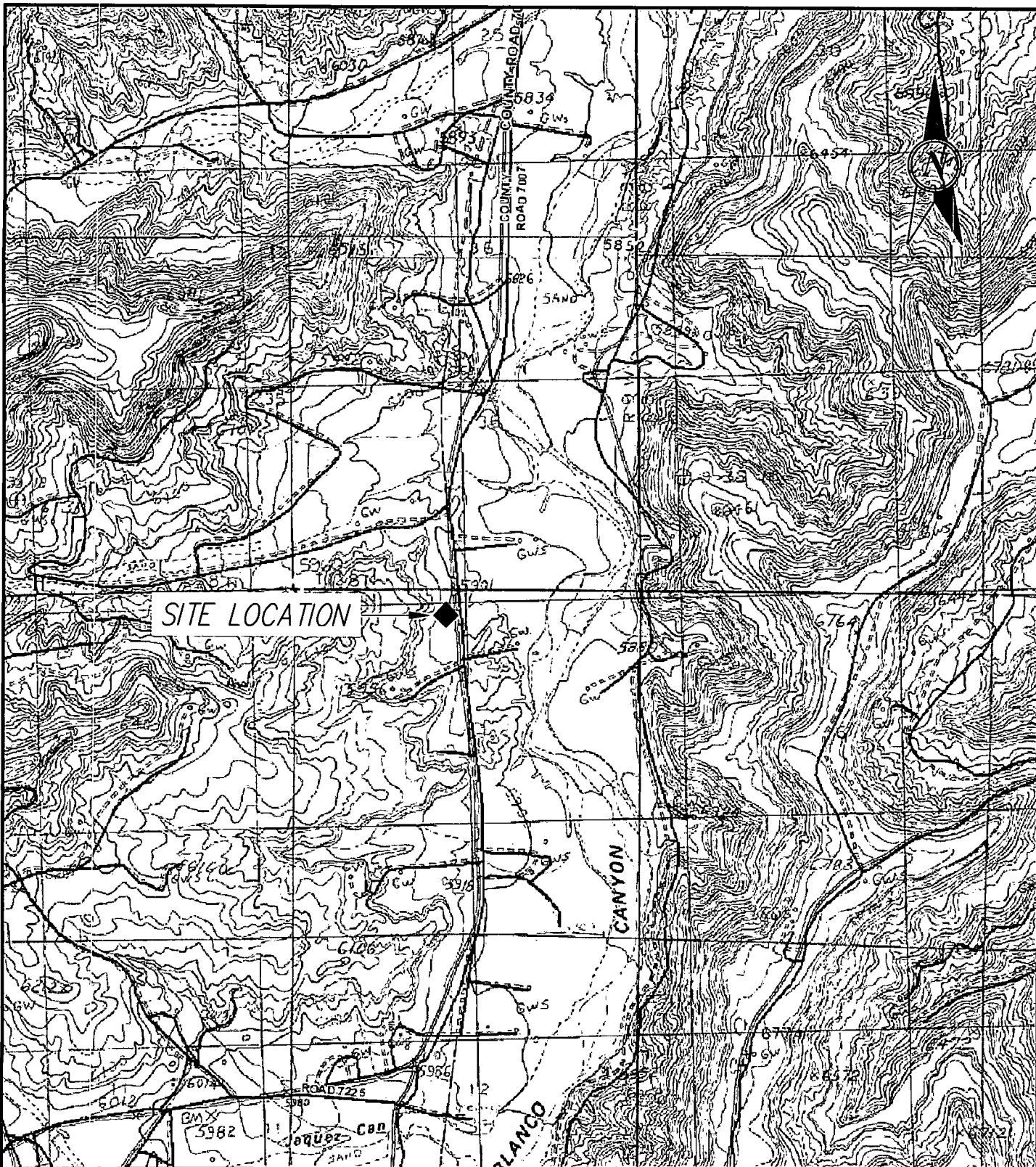


Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist

Figures



SOUDER, MILLER & ASSOCIATES
2101 SAN JUAN BOULEVARD
FARMINGTON, NM 87401-2247

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com

Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
Cortez - Grand Junction - Montrose, CO - Sedona, AZ - Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

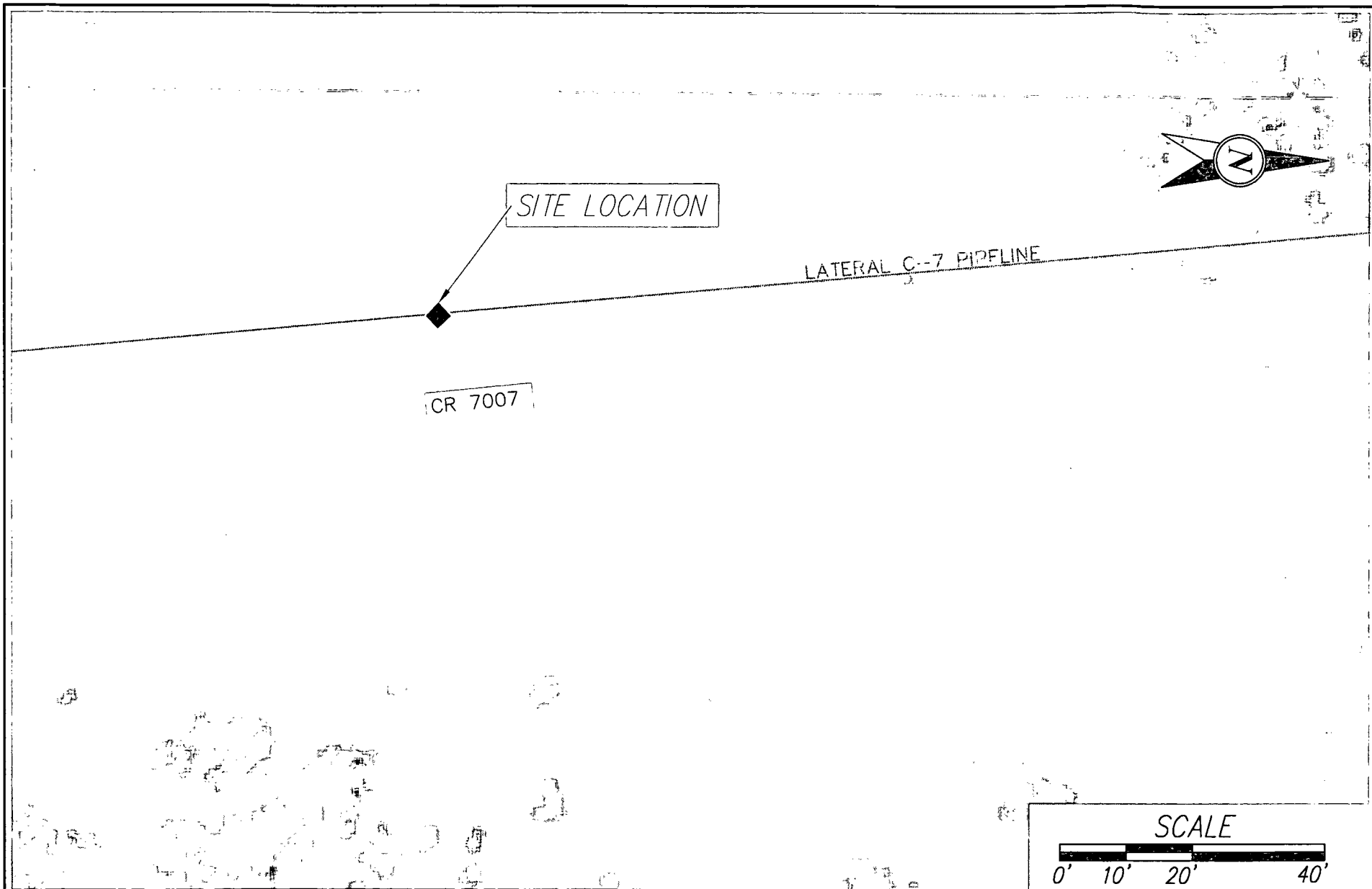
VICINITY MAP

LATERAL C-7

SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO

Designed	Drawn	Checked
SM	DJB	RSA
Date: 1/3/2014		
Scale: Horiz. 1"=2000'		
Vert. N/A		
Project No: 5122104		
Sheet: 1		



<small>THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS SHOWN AS SUCH ON THE DATE</small>		SOUDER, MILLER & ASSOCIATES 401 W. BROADWAY FARMINGTON, NM 87401 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045 www.soudermiller.com Serving the Southwest & Rocky Mountains Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT	ENTERPRISE		FARMINGTON, NEW MEXICO		Designed SM	Drawn DJB	Checked RSA
			SITE LOCATION MAP LATERAL C-7 SECTION 1, T27N, R9W						Date: 7/9/2014
									Scale: Horiz: 1"=20' Vert: N/A
									Project No: 5122104
									Sheet: 2



ESTIMATED EXCAVATION
TO BE COMPLETED

APPROX. EXTENT
OF DEC. 2013
EXCAVATION

SB-8 (0-4'- 335 ppm)

SB-11 (4-8'- 110.4 ppm)

SB-6 (0-24'- 628 ppm)

SBC-5 (4-20'- 1775 ppm)

SB-7 (4-8'-122.9 ppm)

SB-4 (<100)

RELEASE POINT

SB-9 (<100)

SB-1 (4-20'- 1427 ppm)

SB-10 (<100)

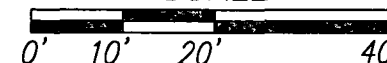
SB-3 (8-12'- 101.7 ppm)

SB-2 (<100)

CR 7007

INDICATES BORING LOCATION
AND DEPTHS OF DETECTED
CONTAMINATION >100 ppm

SCALE



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
Cortez - Grand Junction - Montrose, CO - Salt Lake City, UT - Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

GEOPROBE DELINEATION
LATERAL C-7
SECTION 1, T27N, R9W

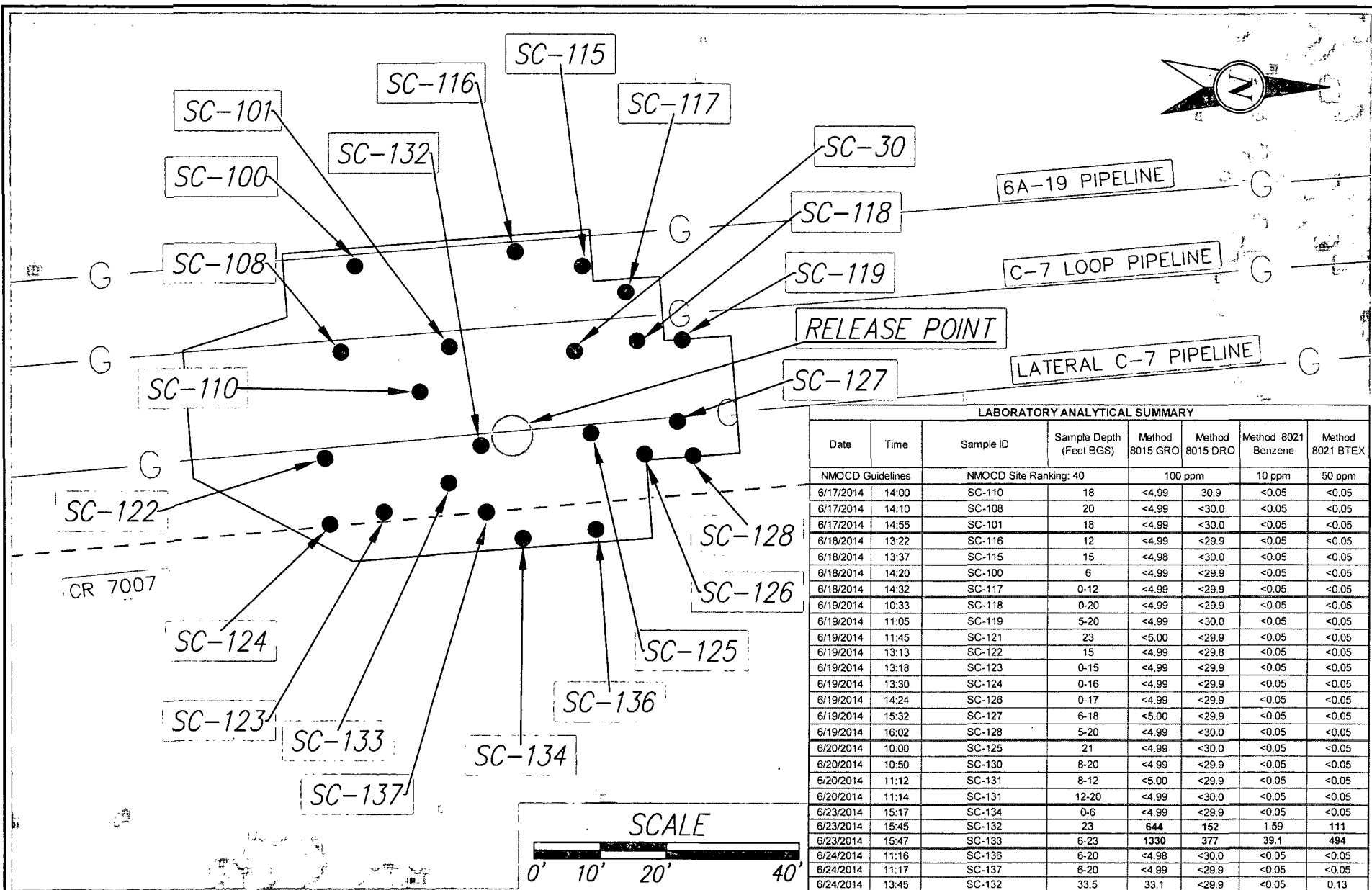
SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 4/8/2014		
Scale: Horiz: 1"=20'		
Vert: N/A		
Project No: 5122855		
Sheet: 3		

THIS DRAWING IS INCOMPLETE AND NOT TO
BE USED FOR CONSTRUCTION UNLESS IT IS
STAMPED, SEALED AND SIGNED

© Copyright 2014 Souder, Miller & Associates - All Rights Reserved

P:\S-Enterprise MSA (2014) 5122855\SBG13 - Lateral C-7 (2014)\CAD\Civil\LOCATION MAP sgm.dwg, GJF, 7/8/2014 2:50 PM



LABORATORY ANALYTICAL SUMMARY						
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene
NMOCD Guidelines		NMOCD Site Ranking: 40		100 ppm	10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05
6/23/2014	15:45	SC-132	23	644	152	111
6/23/2014	15:47	SC-133	6-23	1330	377	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05

SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
www.soudermiller.com
Serving the Southwest & Rocky Mountains
Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM - El Paso, TX
Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT

ENTERPRISE

FARMINGTON, NEW MEXICO

SOIL CONTAMINANT CONCENTRATION MAP
LATERAL C-7
SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 7/9/2014		
Scale: Horiz: 1"=20'	Vert: N/A	
Project No: 5122855		
Sheet: 4		

Tables

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Field verification that release is located within an unnamed wash.	Groundwater is assumed to be less than 50 feet below ground surface.
50' to 99' = 10			
>100' = 0			
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20	20	Field verification that release is located within an unnamed wash.	Release is located within an unnamed tributary wash of Blanco Wash.
200'-1000' = 10			
>1000' = 0			
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0	NM State Engineer Water Well Database	No recorded water wells located with 1000'; Ten wells located within a 1 mile radius.
Total Site Ranking	40		
Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



Enterprise Products
Table 3: Summary of Excavation
Field Screening Results (PPM)

Lateral C-7
Pipeline Release
7/9/2014

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
6/16/2014	12:05	SC-100	6	24.7	N
6/16/2014	12:20	SC-101	5	18.4	N
6/16/2014	13:10	SC-102	8	364.8	N
6/16/2014	13:25	SC-103	12	242.1	N
6/16/2014	13:50	SC-103	18	64.2	N
6/16/2014	13:55	SC-101	10	92	N
6/16/2014	14:30	SC-104	8	41	N
6/16/2014	15:35	SC-105	14	1171	N
6/16/2014	16:00	SC-106	8	1365	N
6/17/2014	11:05	SC-107	16	13.1	N
6/17/2014	11:08	SC-108	10	9.4	N
6/17/2014	11:10	SC-109	12	734.6	N
6/17/2014	14:00	SC-110	18	30.4	Y
6/17/2014	14:10	SC-108	20	176.2	Y
6/17/2014	14:55	SC-101	18	43.8	Y
6/17/2014	15:40	SC-111	20	2367	N
6/17/2014	15:50	SC-112	0-12	1045	N
6/18/2014	10:35	SC-113	20	5160	N
6/18/2014	10:37	SC-114	0-18	458.6	N
6/18/2014	13:00	SC-115	7	22.5	N
6/18/2014	13:10	SC-115	12	226.5	N
6/18/2014	13:22	SC-116	12	42.6	Y
6/18/2014	13:37	SC-115	15	80.6	Y
6/18/2014	14:20	SC-100	6	29.7	Y
6/18/2014	14:32	SC-117	0-12	161.5	Y
6/19/2014	10:33	SC-118	0-20	74.6	Y
6/19/2014	10:50	SC-119	5-18	65.4	N
6/19/2014	11:05	SC-119	5-20	184.1	Y
6/19/2014	11:10	SC-120	5-20	366.6	N
6/19/2014	11:45	SC-121	23	181.3	Y
6/19/2014	13:13	SC-122	15	61.1	Y
6/19/2014	13:18	SC-123	0-15	41.7	Y
6/19/2014	13:30	SC-124	0-16	43.9	Y
6/19/2014	14:20	SC-125	18	1299	N
6/19/2014	14:24	SC-126	0-17	74.8	Y
6/19/2014	15:32	SC-127	6-18	53.9	Y
6/19/2014	16:02	SC-128	5-20	9.4	Y
6/20/2014	10:00	SC-125	20	35	Y
6/20/2014	10:12	SC-129	17	1741	N
6/20/2014	10:50	SC-130	8-20	7.1	Y
6/20/2014	11:12	SC-131	8-12	11.3	Y
6/20/2014	11:14	SC-131	12-21	22.6	Y
6/23/2014	11:20	SC-132	17	5196	N
6/23/2014	13:45	SC-133	8-20	2770	N
6/23/2014	13:47	SC-132	20	1616	N
6/23/2014	14:05	SC-132	22.5	1171	N
6/23/2014	15:17	SC-134	0-6	3.4	Y
6/23/2014	15:45	SC-132	23	1504	Y
6/23/2014	15:47	SC-133	6-23	1739	Y
6/24/2014	10:40	SC-135	12	1066	N
6/24/2014	11:05	SC-135	19	176.7	N
6/24/2014	11:16	SC-136	6-20	58.3	Y
6/24/2014	11:17	SC-137	6-20	165.8	Y
6/24/2014	11:30	SC-132	25	1793	N
6/24/2014	13:20	SC-133	31	9691	N
6/24/2014	13:22	SC-138	0-20	1542	N
6/24/2014	13:45	SC-132	33.5	748.1	Y



Enterprise Products
Table 4: Summary of Laboratory Analysis
Results in mg/Kg

Lateral C-7
Pipeline Release
7/9/2014

LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 40		100 ppm		10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05	<0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	<0.05	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05	<0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05	<0.05
6/23/2014	15:45	SC-132	23	644	152	1.59	111
6/23/2014	15:47	SC-133	6-23	1330	377	39.1	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05	0.13



Appendix A

Field Notes

SUBJECT EPCO Lot C-7

PROJECT 5122855

PAGE

CLIENT EPCO

DATE 6/16/14

BY JSM

CHECKED

BY

- On site @ 10:00, conduct HASP and EPCO safe work permit.
- Hydro vac. To expose mid pipeline and E Pipeline
- Begin excavation of mid pipeline (C-7 loop) @ 11:45
- Begin E. Pipeline excavation (lateral C-7) @ 12:20
- Excavate along C-7 loop (middle pipeline) and C-7. C-7 not able to be excavated until tomorrow when LOTO and blown down.
- Final excavation approx 17' W x 50' L x 18' D.
- Off site @ 1635

6/17/14

- On site @ 0945, Perform HASP, EPCO safe work permit.
- 1015 - Excavate a bench so that the excavator is able to reach the middle of the excavation.
- 1030 - Talk w/ EPCO about hazards and problems w/ the excavation due to depth, pipeline depth and soil conditions. Pipeline approx 9' bgs and depth of excavation approaching 20' bgs. Sandy soils causing sloughing of sidewalls, continue excavation until notice
- 1200 - Tom Long has been given approval from BCM to backfill as necessary with ~~conformation~~ conformation lab samples, (lunch)
- Collect samples for lab analysis (8021, 8015) from SW corner walls (0-18') and base (20') and submit to Envirotech Lab for Rush turnaround.
- Off site @ 1630

3C-101, 108 & 110

~~110th Ave~~

~~10738~~

SUBJECT Lateral C-7

PROJECT

PAGE

CLIENT EPCO

DATE

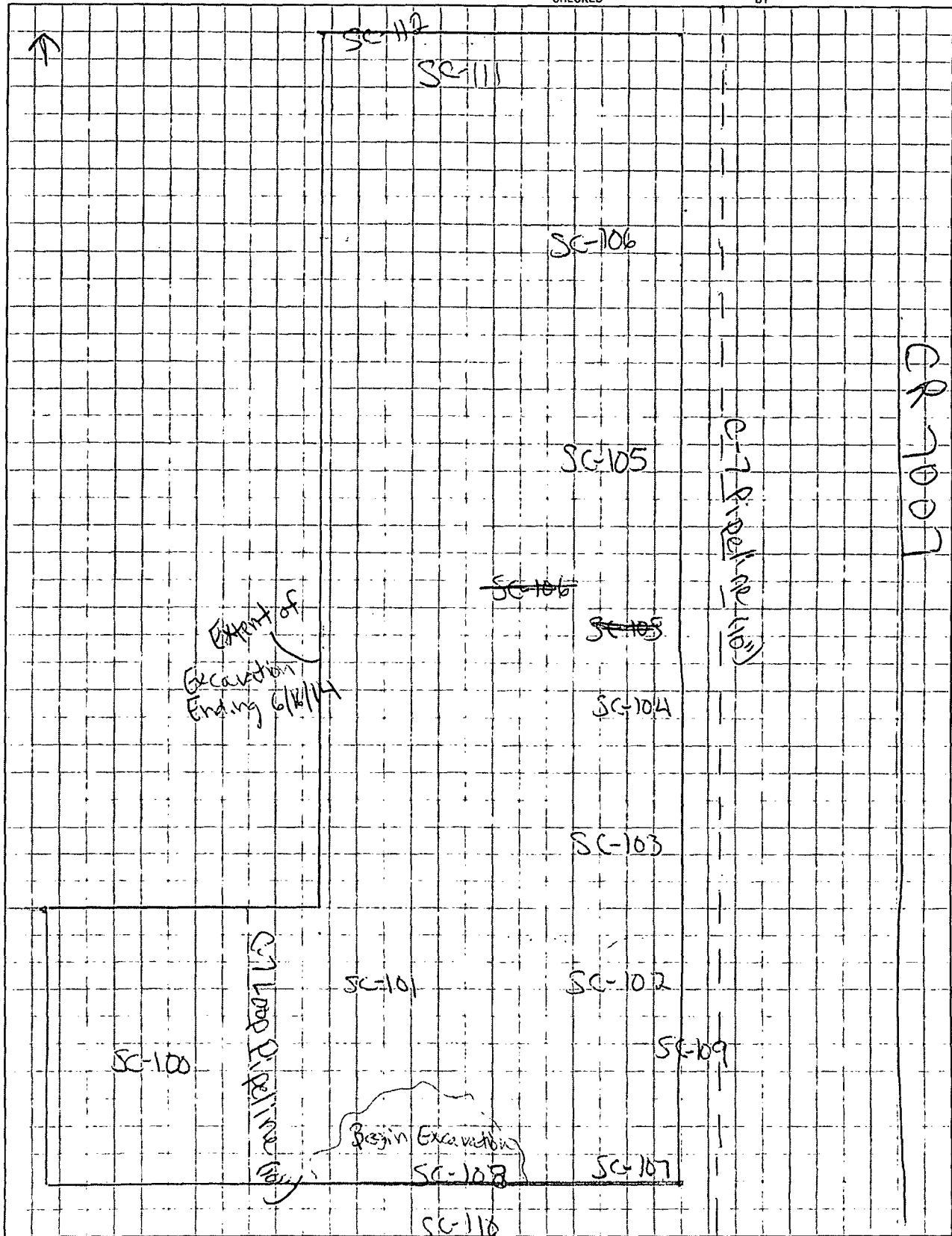
6/16/14

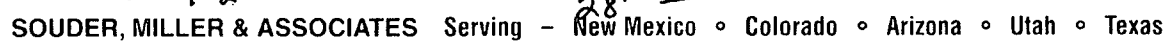
BY

SJM

CHECKED

BY





- On site @ 0930, awaiting lab results on samples submitted on 6/17/14.
- Calibrate PID: 99.8 ppm
- Begin excavation of N wall and West wall and N. Base; N. Base @ 20' bgs, limit of excavation.
- W wall \approx 450 ppm, patch hole between C-7 loop & 6A-19 Pipe/Ws to \approx 12' bgs where readings on PID \leq 100 ppm.
- Collect samples along W walls (W of C-7 loop pipeline) and base.
- Off site @ 1510 to take samples to Envirotech for analysis.

6/19/14

- On site @ 0900, H.A.S.P./Safe work/LOTO
- Continue excavation to the North approx 3' N X 20' D
- Move to excavate SE corner along CRT 1007, PID field screening below 100 ppm collect lab samples from walls & base.
- Return to North portion, base is high PID @ ~~21~~ 23' 1.7 = 18'
- North wall excavated to N \approx 5' X 20' D. collect samples for lab.
- Contaminated soil remains E. of lat C-7 PL and below lat C-7 PL.
- 9 samples submitted to lab for confirmation (NW, SE, N base)
- Off site @ 1630
- Envirotech closed (1715), samples will be submitted early 6/20/14.

SUBJECT Lateral C-7

PROJECT

PAGE

CLIENT EPCO

DATE 6/20/14

BY SJM

CHECKED

BY

- Submit 9 samples to Envirotech Lab @ 0700.
- on site @ 0930, HASP/ Safe work/ LOTO
- Excavate N base east of Lat C-7 PL to 21', collect PID @ acceptable level, collect sample
- Excavate below Lat C-7 PL to Approx 21' and even w/ N wall. PID levels acceptable
- Collect sample from E wall on N portion of excavation (one @ 8-12' and one @ 20-21') for lab analysis.
- Lab results ~~submitted~~ on samples submitted @ AM of 6/20 (1245) will not be available until \approx 5pm or Monday. Shut down excavation, only soil excavated will be hauled for off site disposal.
- off site @ 1250
- submit samples to Envirotech.

6/23/14

- on site @ 0730, HASP/ EPCO Safe work/ LOTO
- Received lab results for 9 samples submitted on 6/20/14. (AM) Provided results to BLM for approval. BLM approved Backfill.
- Received lab results for 4 sample submitted on 6/20/14 (PM). Provided results to BLM for Approval; BLM approved backfill.
- Backfill excavation on W. side of Lateral C-7 Pipeline. The center ~~section~~ section of the excavation E of the Lateral C-7 PL remains to be excavated. The backfilling will allow the remaining section to be excavated along In County Road 7007. (1100)
- Excavate to \approx 23.5' bgs in final section. PID reading \approx 1500-1700 ppm. Collect lab sample for confirmation

SUBJECT Lateral C-7

PROJECT 5122855 PAGE

CLIENT EPCO

DATE 6/24/14 BY SJM

CHECKED

BY

6/24/14

- On site @ 0900, HASP, EPCO Site Work permit/LOTO
- Pending lab results from samples collected on 6/23/14
- Excavate in CR7007 further to the N where SC-126 was collected.
- Excavate base ~~to~~ below Lat C-7 pipeline to $\approx 25'$ bgs, PID = 1790 ppm
- ~~Excavate~~ Bench excavate down an additional 4', excavate base to $\approx 31'$, PID = 9700 ppm. Appears to be a sandy clay layer
- Excavate to 33.5 bgs to end of clay layer, PID dropped to 748.1 ppm. Collect lab sample. EPCO, EMS and SMHA all concerned w/ safety of 33+ feet deep excavation. Backfill pending lab results.
- Off site @ 1545

6/25/14

- Not on site. Pending lab results.
- Lab results below standard, notify BLM, BLM approves backfill (1000)

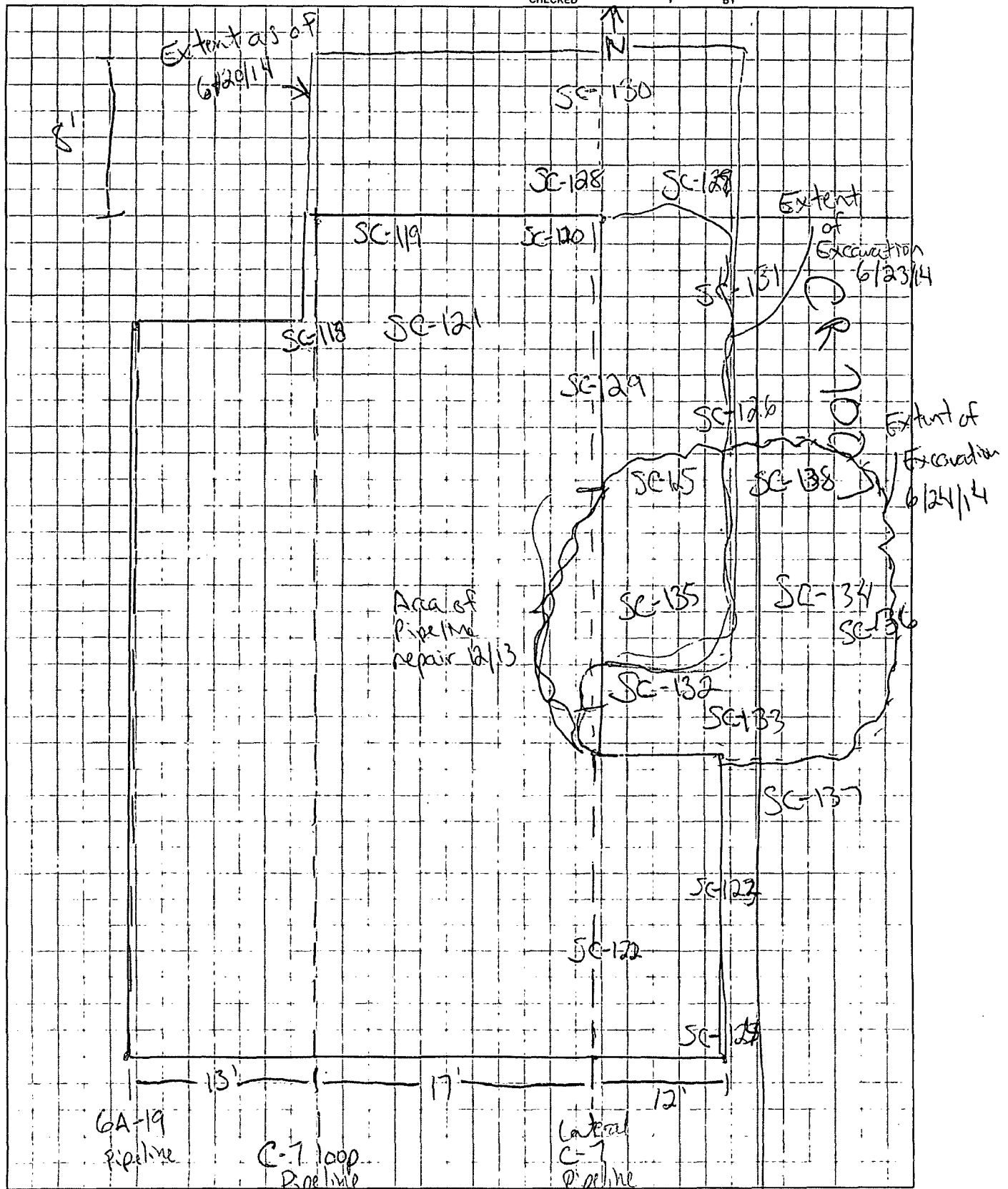
SUBJECT Lateral C-7

PROJECT 5122855 BG13 PAGE

CLIENT EPLO

DATE 6/19/14 BY SJM

-6/24/14
CHECKED BY



SUBJECT Lateral C-7

PROJECT 5122855 3913 PAGE

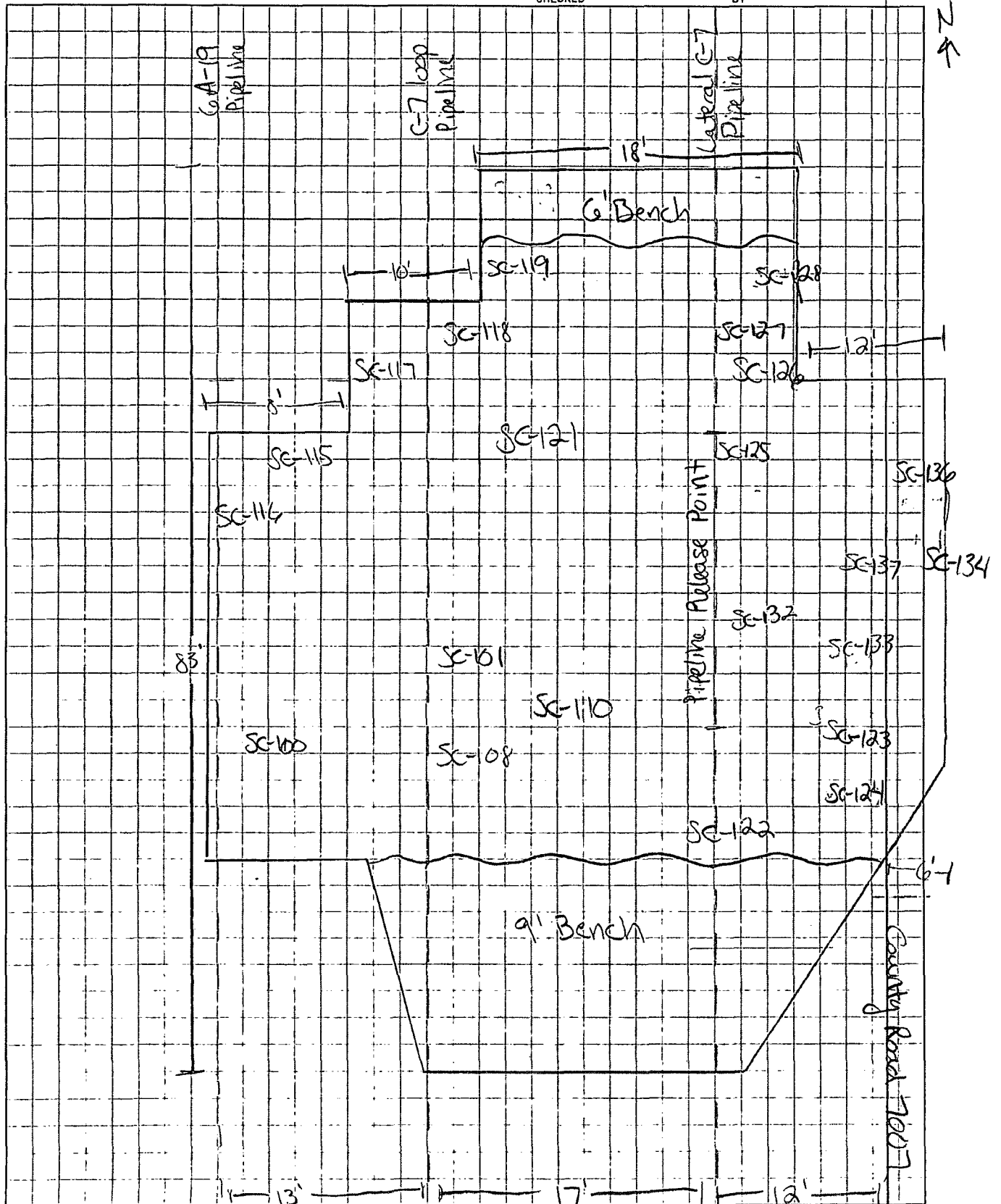
CLIENT EPCO

DATE 6/27/14

BY SJM

CHECKED

BY



Field Screening

#1

Location Name				Date	
Lateral C-7				6/16/14	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-100	5' W of C-7 loop (mid pipeline)	6'	1205	1215	24.7
SC-101	5' E of C-7 loop	5'	1220	1227	18.4
SC-102	5' W of C-7 PL	8'	1310	1320	364.8
SC-103	5' W of C-7 PL	12'	1325	1342	242.1
"	" "	18'	1350	1356	64.2
SC-104	" "	10'	1355	1402	92.0
SC-104	5' W of C-7, Clear Backfill from previous	8'	1430	1436	41.0
SC-105	5' W of C-7 PL	14'	1535	1542	1171 136
SC-106	8' W of C-7 PL	8'	1600	1605	1365
SC-107	S. wall 8' W of C-7 PL	16'	1105	1128	13.1
SC-108	S. wall 12' W of C-7 PL	10'	1108	1129	9.4
SC-109	Along C-7 PL, N of S. wall ≈ 8'	12'	1110	1130	734.6
SC-110	S. wall S.S. of SC-108	18'	1400	1405	30.4

5/17/14

Field Screening

#2

Location Name

Date

Lateral C-7

6/17/14

Location Name

Description

Depth (Feet
BGS)

Time Collected

Time
Screened

PID Reading
(ppm)

SC-108

" "
see above

20'

1410

1420

176.2

SC-101

" "
see above

18'

1455

1500

43.8

SC-111

N. Base 8' E of
C-7 loop PL

20'

1540

1555

2367

SC-112

N. wall

0-12'

1550

1557

1045

SC-113

Base Bt C-7 loop &
C-7 @ 50' N of SWall

20'

1035

1047

5160
~~156~~

SC-114

w wall 3' E of C-7
loop

0-18'

1037

1048

458.6

SC-115

In between GA-19 PL
& C-7 loop PL

7'

1300

1315

22.5

SC-115

" "

12'

1310

1316

226.5

SC-116

w. wall: ~25' E
of GA-19 PL

12'

1322

1329

42.6

SC-115

see above

18'

1337

1343

80.6

SC-100

see above

6.0'

1420

1426

29.7

SC-117

NW wall ~0-8'
w of C-7 loop PL

0-12'

1432

1441

161.5

SC-118

NW corner 2' E of
C-7 loop PL

0-20'

1033

1044

74.6

Lab
Sample
★

★

★

★

★

Field Screening

#3

Location Name

Date

Lateral C-7

6/19/14

Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-119	N wall, E of C-7 loop	5-18'	1050	1057	65.4
SC- 120 ¹¹⁹	" "	5-20'	1105	1118	184.1
SC-120	N wall 2' W of Lat C-7 PL	5-20'	1110	1119	366.6
SC-121	N. Base	23'	1145	1201	181.3
SC-122	S Base below Lat C-7 PL	15'	1318	1339	61.1
SC-123	S. portion of E wall, E of Lat C-7 PL	0-15'	1318	1340	41.7
SC-124	SE corner wall	0-16'	1330	1341	43.9
SC-125	E Base approx 5' E of Lat C-7 PL	18'	1420	1434	1299
SC-126	E wall above SC-125 approx 8' E of Lat C-7 PL	0-17'	1424	1434	74.8
SC-127	NE wall approx 7' E of Lat C-7 PL	6-18'	1532	1538	53.9
SC-128	5' N of SC-120	5-20	1602	1611	4.4
SC-125	" " See above	20'	1000	1012	35.0
SC-129	Below Lat C-7 PL Release point	17'	1012	1023	1741

6/20/14

Field Screening

#4

Location Name				Date	
Lateral C-7				6/20/14	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-130	Below Lat C-7 PL N. wall	8-20'	1050	1100	7.1
SC-131	E wall @ Release Point (RP) ~ 7' E of Lat C-7	8-12'	1112	1125	11.3
SC-134	E wall @ Base	12-21'	1114	1126	22.6
SC-132	mid of E wall, Base	17'	1120	1141	5196
SC-133	mid of E wall	8-20'	1345	1351	2770
SC-132	see "above"	20'	1347	1352	1616
SC-132	" see "above"	22.5'	1405	1410	1171
SC-134	Road	0-6'	1517	1532	3.4
SC-132	" see above"	23'	1545	1556	1504
SC-133	see above	6-23'	1547	1557	1739
SC-135	E Base	12'	1040	1050	1066
SC-135	"	19'	1105	1112	176.7
SC-136	E wall of E exc.	6-20'	1116	1135	58.3

6/24/14

6/24/14

#5

[illegible]

Appendix B

Site Photography

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

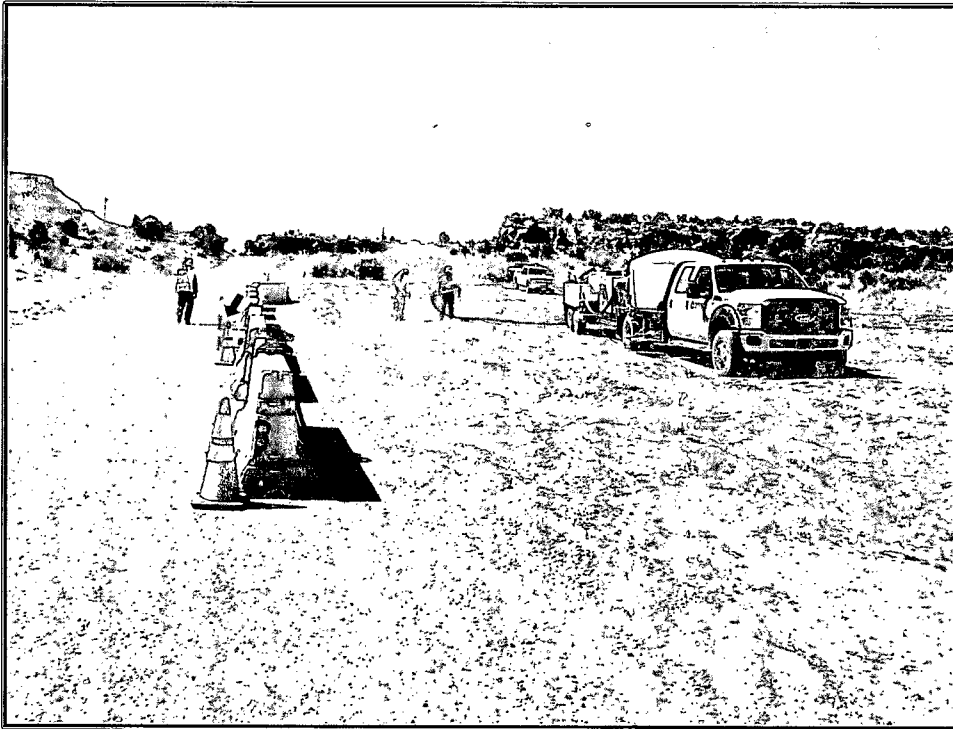


Photo 1: Potholing and setting of barricades along County Road 7007 prior to excavation of the Lateral C-7 Pipeline.

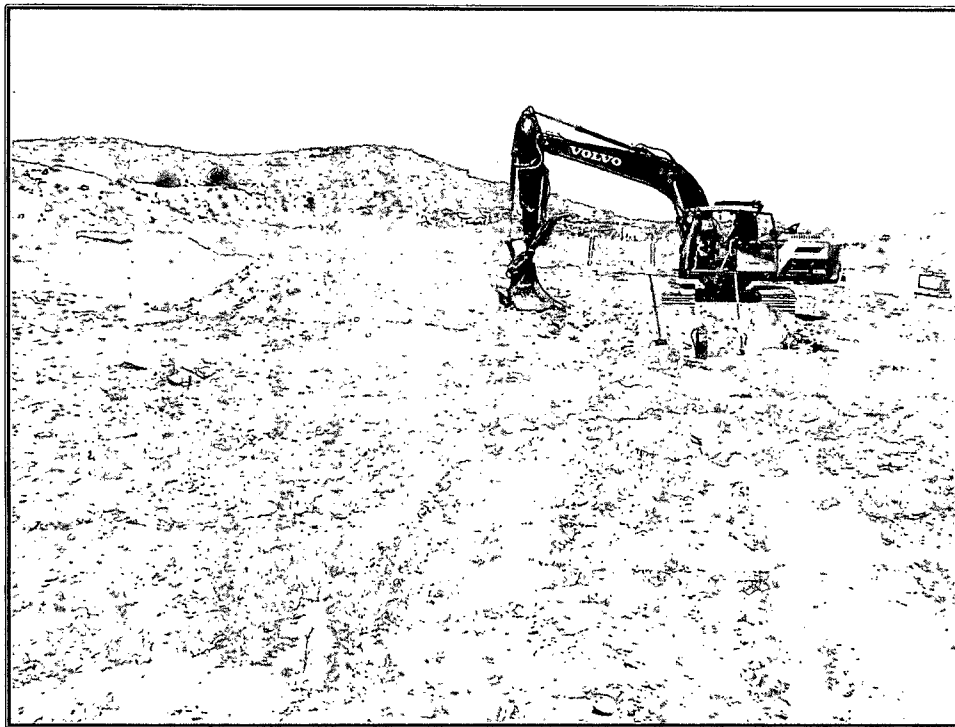


Photo 2: Beginning stages of the Lateral C-7 Pipeline.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

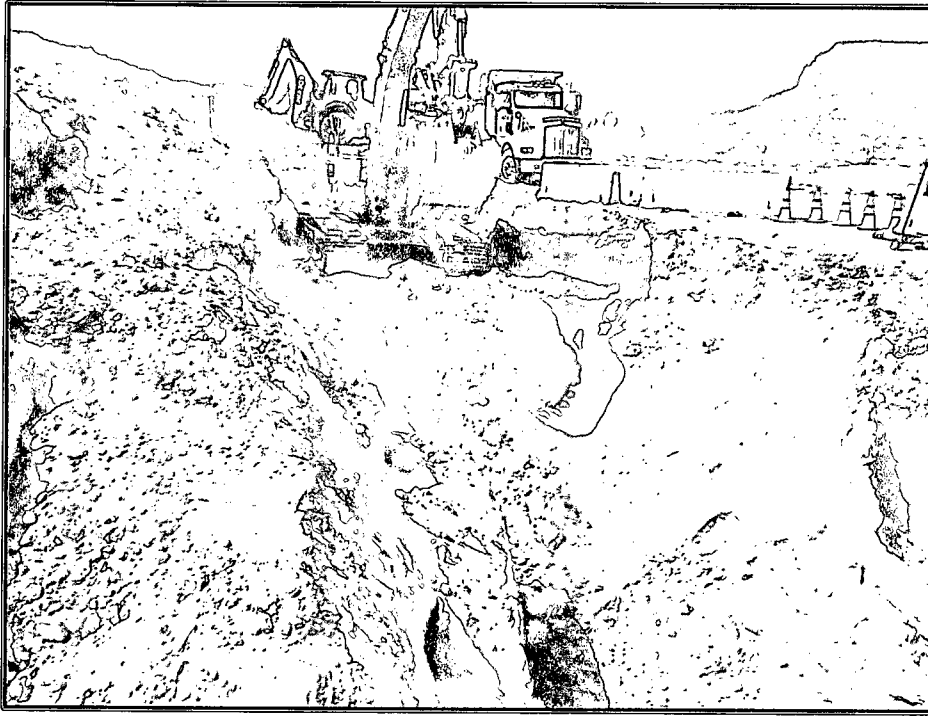


Photo 3: Beginning excavation of the adjacent C-7 Loop Pipeline.

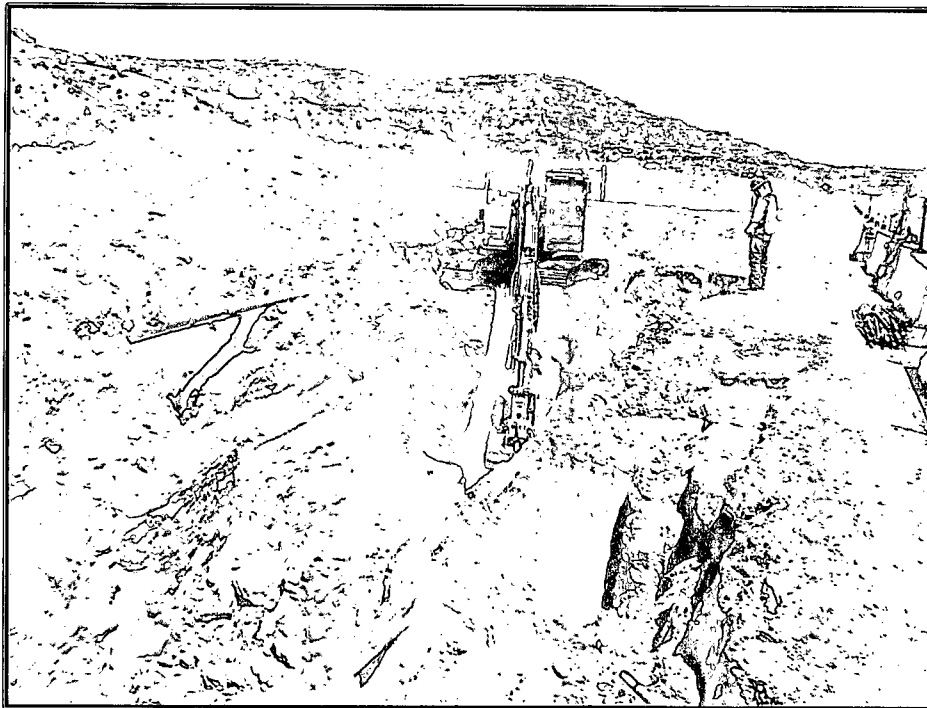


Photo 4: Continued excavation of the Lateral C-7 Pipeline. The C-7 Loop Pipeline pictured left.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

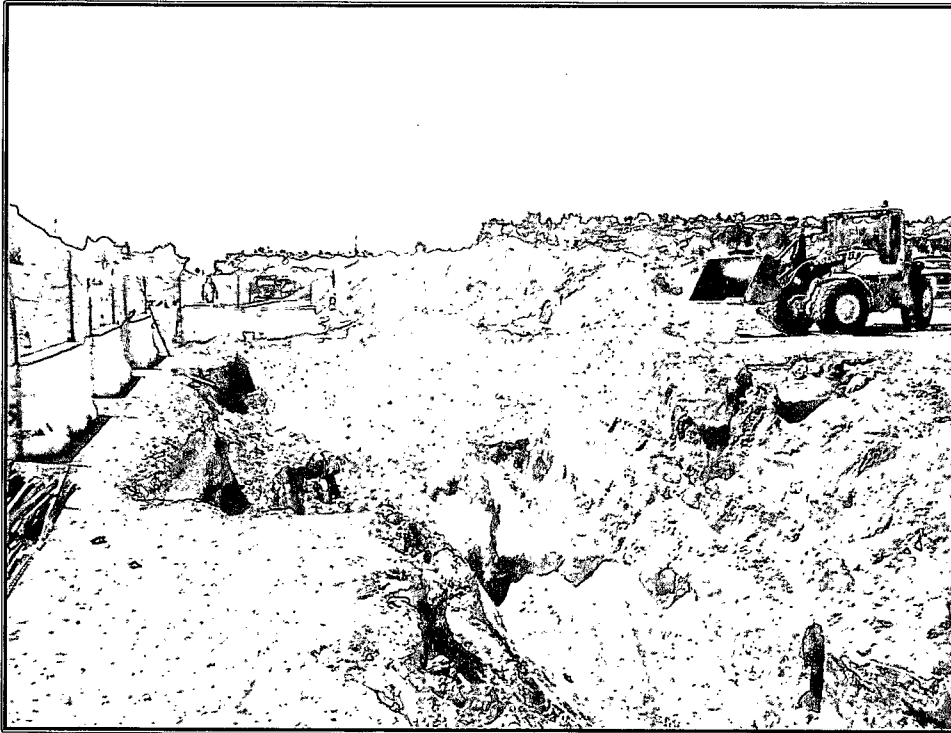


Photo 5: Backfilling of the south portion of the Lateral C-7 Pipeline excavation.

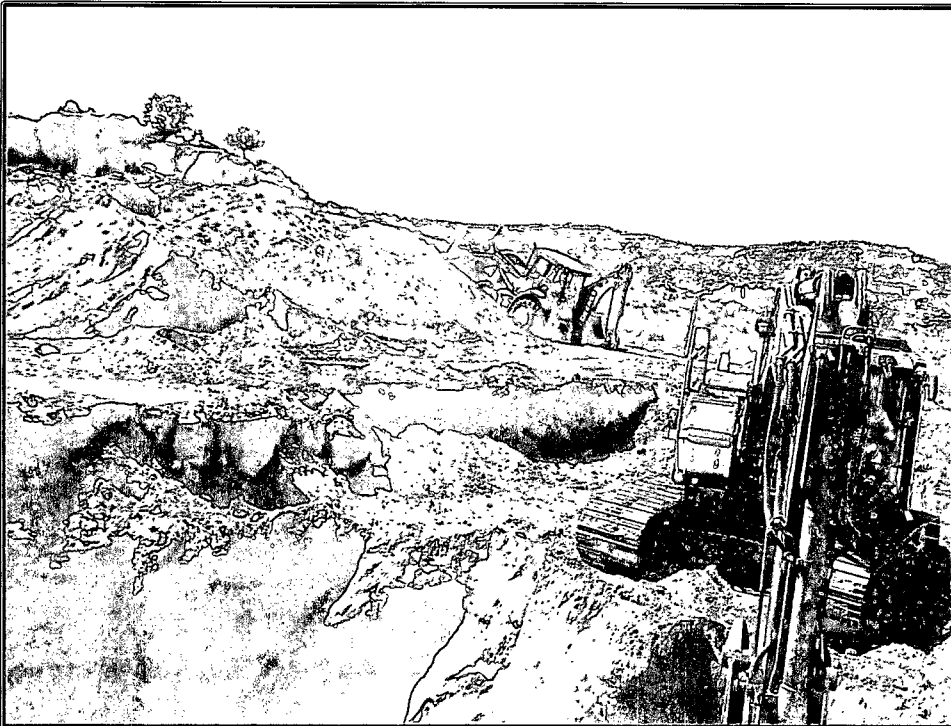


Photo 6: View of excavation equipment benched down to reach the base at approximately 25'.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

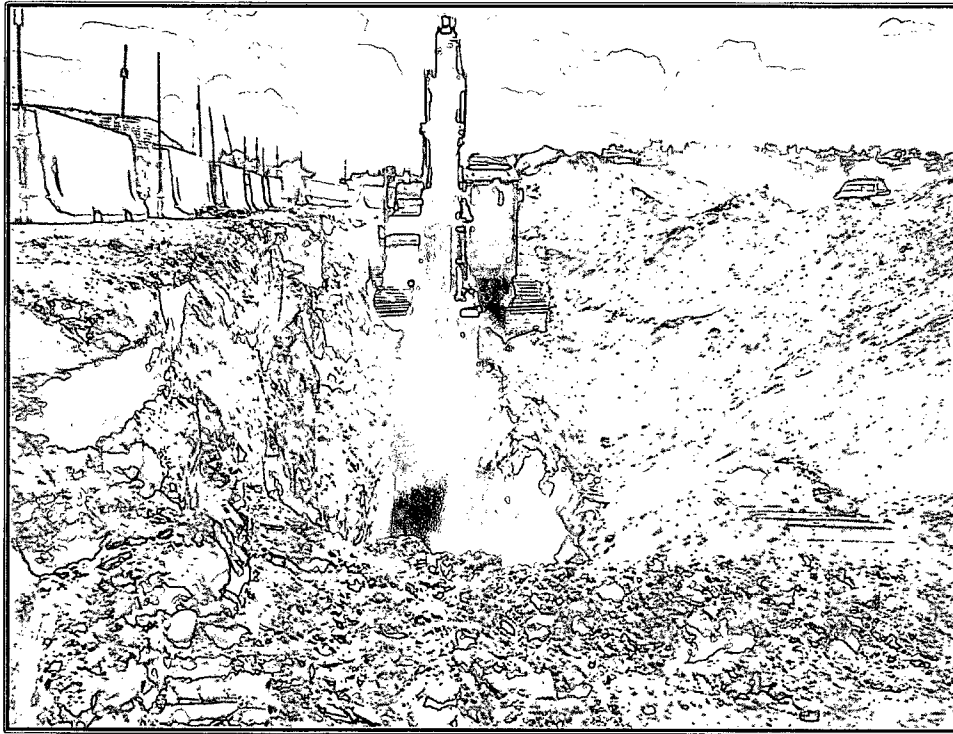


Photo 7: View of the excavation in County Road 7007 with equipment benched 6' down.

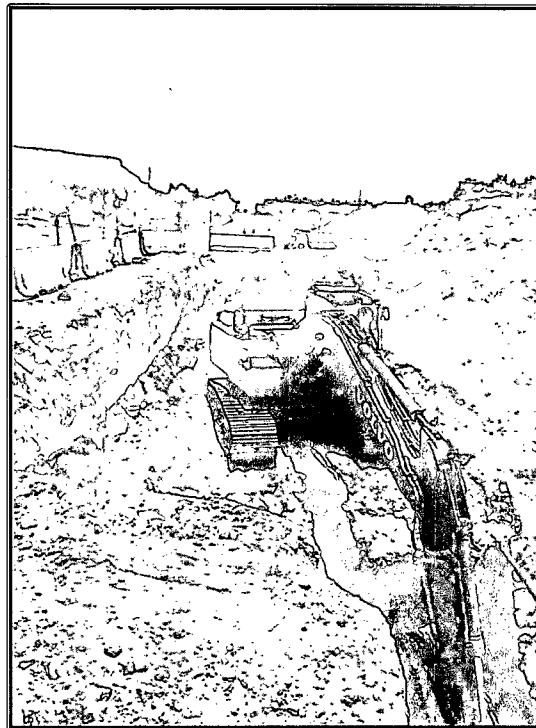


Photo 8: View of the excavation in County Road 7007 with equipment benched 9' down to reach 33' below grade.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

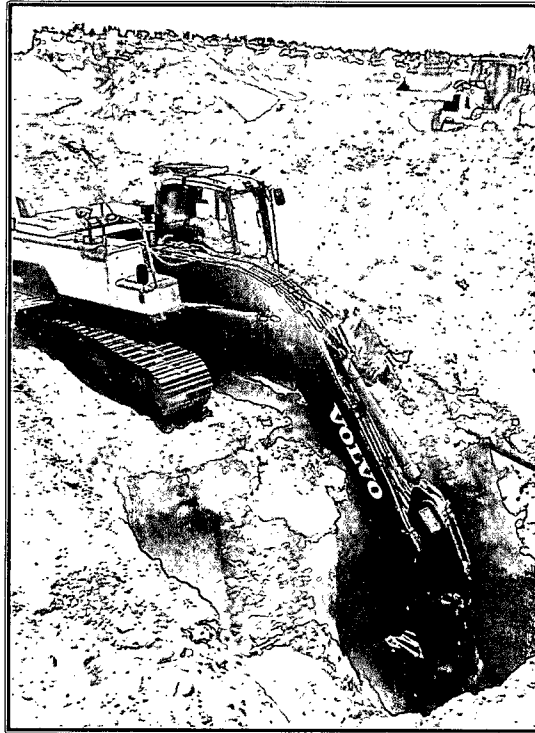


Photo 9: Excavation approximately 20' below the Lateral C-7 Pipeline.



Photo 10: Final excavation depth of the Lateral C-7 Pipeline at 33.5' below ground surface along County Road 7007.



Appendix C

Soil Disposal Documentation

envirotech ^{cat.} _{e.1}

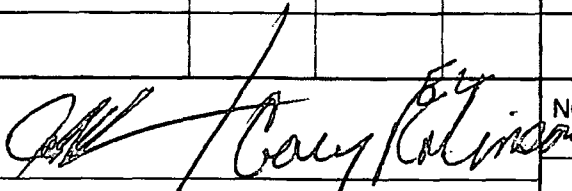
Bill of Lading

MANIFEST # 47115

DATE 16 JUN 14

JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LAT C7	CLEAN FILL	-	20	-	RITEWAY TRANSPORTATION	L71	805	<i>[Signature]</i>
2	VOID THIS	ENTERPRISE	LINE	-	10	-	EMTS	L71	810	<i>[Signature]</i>
2	Envirotech	Lat C7	Clean Fill	-	20	-	Ritchey	L71	1020	<i>[Signature]</i>
3	"	"	"	-	20	-	"	L71	1220	<i>[Signature]</i>
					60					
RESULTS:		LANDFARM EMPLOYEE:	<div style="text-align: center;">  </div>							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								
Certification of above receipt & placement			NOTES:							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchey DAWP NAME Elvix, TX, Kitchey SIGNATURE

COMPANY CONTACT M. Ke PHONE 793 4426

DATE June - 16 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47283

DATE 6.26.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-26-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47282DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E-tech	Enterprise Lot C-7	Clean Fill	—	20	—	MOSS	27	730	Lee Moss
2	"	"	soil	—	20	—	MOSS	27	1050	Lee Moss
3	"	"	"	—	20	—	MOSS	27	1310	Lee Moss
					<u>60</u>					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Garry Robinson ^{EL}							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								
Certification of above receipt & placement										

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT Mike EMS PHONE _____ DATE 6-26-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47281

DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Red Roovers SIGNATURE [Signature]

COMPANY CONTACT Heur v. A PHONE 320-0173 DATE 6-26-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san wan reproduction 578-126



Bill of Lading

MANIFEST # 47280DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E. tech	Eastern 247C-7	Clean Fill	—	20	—	YUCCA	AF 6	730	<i>[Signature]</i>
2	"	"	"	—	20	—	YUCCA	AF 6	1040	<i>[Signature]</i>
3	"	"	"	—	20	—	YUCCA	AF 6	1400	<i>[Signature]</i>
					<u>60</u>					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	<i>Gary Robinson EL</i>							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								
Certification of above receipt & placement										

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Reed Rogers SIGNATURE *[Signature]*
COMPANY CONTACT Henry A. PHONE 320-0173 DATE 6-26-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47279

DATE 6-26-19 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



envirotech

Bill of Lading

MANIFEST # 47278

DATE 6.26.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchey Trucking NAME Elvin T. Kitchey SIGNATURE [Signature]

COMPANY CONTACT EMS Mike S PHONE 793 4426 DATE 6-26-19

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47277

DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47276

DATE 6-26-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert Fowler SIGNATURE [Signature]
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-26-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



MANIFEST # 47270

DATE 6.25.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert Fowler SIGNATURE Kelly H
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47269

DATE 6.25.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47268

DATE 6-25-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Trucking NAME Elvin Ritchey SIGNATURE [Signature]
COMPANY CONTACT EMS Mike S PHONE 793 4426 DATE 6-25-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47267

DATE 6.25.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Reed Rogers SIGNATURE Reed Rogers
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.



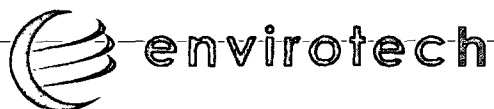
MANIFEST # 47266

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Signatures required prior to distribution of the legal document.

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47261DATE 6-25-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	Enterprise Clean Lot C-7	Fill Soil	—	20	—	MOSS	27	800	Lee Moss
2	"	"	"	—	20	—	"	27	1106	Lee Moss
3	"	"	"	—	20	—	"	27	1418	Lee Moss
					<u>60</u>					
RESULTS:		LANDFARM EMPLOYEE:	<u>Gary Robinson</u> ^{EL}			NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee MossCOMPANY CONTACT _____ PHONE _____ DATE 6-25-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



MANIFEST # 47260

DATE 25 JUN 14 JOB # 97057-6644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Yussa

NAME

Read Rogers

SIGNATURE

Read from

Henry

PHONE

320-0173

DATE _____

6-25-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



envirotech

Bill of Lading

MANIFEST # 47259

DATE 25 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	RITCHIE	L71	725	<i>Chris T. Ritchie</i>
2	"	"	"	—	20	—	"	L71	1100	<i>Chris T. Ritchie</i>
3	"	"	"	—	20	—	"	L71	1407	<i>Chris T. Ritchie</i>
					<u>60</u>					
RESULTS:		LANDFARM	<i>Gary Robinson</i> ^{EL}			NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	EMPLOYEE:								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Riteway Trans NAME Elvin T. Riteway SIGNATURE Elvin T. Riteway
COMPANY CONTACT CMIS PHONE 793 4424 DATE June 25 14
Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47247DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot C-7	LFI.5	CON'T SOIL	I-13	20	-	MOSS	27	1006	Lee Moss
2	" "	"	"	I-13	20	-	"	27	1042	Lee Moss
3	" "	"	"	I-13	20	-	"	27	1500	Lee Moss
4	" "	"	"	E-14	20	-	"	27	1720	Lee Moss
					80					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
427	CHLORIDE TEST	1	Cay Robinson EL							
	PAINT FILTER TEST	1								
Certification of above receipt & placement										

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee MossCOMPANY CONTACT EMS Mike S PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47245

DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert T. Fomber SIGNATURE [Signature]

COMPANY CONTACT EMS PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san ryan reproduction 578-126



Bill of Lading

MANIFEST # 47244DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Cat C-7	LFII-5	CONIT SOIL	I-13	20	-	YUCCA	AF4	948	
2	"	"	"	I-13	20	-	YUCCA	AF6	948	
3	"	"	"	I-13	20	-	YUCCA	AF4	1145	
4	"	"	"	I-13	20	-	YUCCA	AF6	1210	
5	"	"	"	I-13	20	-	YUCCA	AF6	1445	
6	"	"	"	E-14	20	-	YUCCA	AF6	1710	
					120					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
<244	CHLORIDE TEST	1								
	PAINT FILTER TEST	1	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Smith SIGNATURE

COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47240DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIROTECH	ENTERPRISE	Clean	—	20	—	MOSS	27	755	Lee Moss	
2	"	"	Fill	—	20	—	MOSS	27	1006	Lee Moss	
3	"	"	"	—	20	—	MOSS	27	1242	Lee Moss	
4	"	"	"	—	20	—	MOSS	27	1500	Lee Moss	
					80						
RESULTS:		LANDFARM		NOTES:							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	EMPLOYEE: Gary Robinson								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excavation NAME LEE MOSS SIGNATURE Lee Moss
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-24-14
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47239DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIROtech	ENTERPRISE Clean lot C-7	Fill soil	—	20	—	Riteley	71	730	Elvin Riteley	
2	"	"	"	—	20	—	"	71	954	Elvin Riteley	
3	"	"	"	—	20	—	"	71	1213	Elvin Riteley	
4	"	"	"	—	20	—	"	71	1448	Elvin Riteley	
					80						
RESULTS:		LANDFARM EMPLOYEE: <u>Gary Robinson</u>		NOTES:							
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>									
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>									
Certification of above receipt & placement											

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. RiteleyNAME Elvin RiteleySIGNATURE Elvin RiteleyCOMPANY CONTACT Ems mikePHONE 793 4426DATE 6-24-14

Signatures required prior to distribution of the legal document.



envirotech

Bill of Lading

MANIFEST # 47238

DATE 6-24-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROtech.	Enterprise Lot C.7	Clean Fill	—	12	—	EMS	310 309	726	<i>Robert F. ...</i>
2	"	"	SOIL	—	12	—	EMS	310 309	948	<i>Robert F. ...</i>
3	"	"	"	—	12	—	EMS	310 309	1210	<i>Robert F. ...</i>
4	"	"	"	—	12	—	EMS	310 309	1442	<i>Robert F. ...</i>
					48					
RESULTS:		LANDFARM EMPLOYEE:	<i>Cory EL</i>			NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert F. ... SIGNATURE *Robert F. ...*
 COMPANY CONTACT EMS PHONE 505-333-2003 DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47237DATE 24 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FRL	—	20	—	YUCCA	AF4	725	
2	11	11	11	—	20	—	11	AF6	725	
3	11	11	11	—	20	—	11	AF4	948	
4	11	11	11	—	20	—	11	AF6	948	
5	11	11	11	—	20	—	11	AF6	1210	
6	11	11	11	—	20	—	11	AF6	1443	
					120					
RESULTS:		LANDFARM EMPLOYEE:		EL		NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Armenta SIGNATURE
COMPANY CONTACT CMS PHONE _____ DATE 6-24-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47230

DATE 6-23-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Robert Fendler SIGNATURE [Signature]
COMPANY CONTACT Brian Reller PHONE 505-333-2003 DATE 6-23-14
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47229

DATE 6-23-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Emis NAME Robert Fowler SIGNATURE [Signature]
COMPANY CONTACT Brent Roller PHONE 505-333-2003 DATE 6-23-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47228

DATE 6-23-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT _____ PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

and the corresponding \mathbf{A}^{new} and \mathbf{B}^{new} are

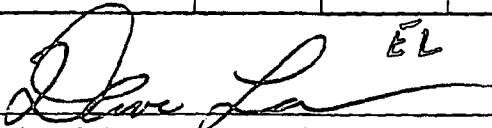


Bill of Lading

MANIFEST # 47227

DATE 6-23-14 JOB # 97257-064

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPRISE LAFC-7	CFII-5	cont SOIL	G-13	20	—	YUCCA	AF6	9:55	<i>[Signature]</i>
2	"	"	"	H-13	20	—	YUCCA	AF6	1240	<i>[Signature]</i>
3	"	"	"	H-13	20	—	YUCCA	AF6	1505	<i>[Signature]</i>
4	"	"	"	H-13	20	—	YUCCA	AF6	1715	<i>[Signature]</i>
					80					
RESULTS:		LANDFARM EMPLOYEE:					NOTES:			
< 20% CHLORIDE TEST	1									
PAINT FILTER TEST		1	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

Read Rogers

SIGNATURE

Handwritten signature

COMPANY CONTACT

PHONE

320-0173

DATE _____

6-23-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47226

DATE 6-23-14

JOB # 97057-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

✓ SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san wan reproduction 578-126



Bill of Lading

MANIFEST # 47224

DATE 23 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT EMS PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47223

DATE 23 JUN 14 JOB # 97257-0644

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	SUPERFUND LOT C-7	CLEAN FILL	—	20	—	RITCHIE	271	735	<i>Chen T. Ritchie</i>
2	"	"	"	—	20	—	"	271	10:00	<i>Chen T. Ritchie</i>
3	"	"	"	—	20	—	"	271	1244	<i>Chen T. Ritchie</i>
					<u>60</u>					
RESULTS:		LANDFARM	<i>[Signature]</i> EL				NOTES:			
<input checked="" type="checkbox"/>	CHLORIDE TEST	EMPLOYEE:								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitley TRAN

NAME Hunt Richey

SIGNATURE John T. Kitzke

COMPANY CONTACT 60415

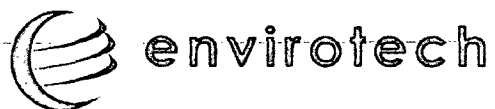
PHONE 773 4425

DATE June 23 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126



Bill of Lading

MANIFEST # 47222DATE 23 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	YUCCA	AF6	725	<i>[Signature]</i>
2	"	"	"	—	20	—	"	AF6	9:55	<i>[Signature]</i>
3	"	"	"	—	20	—	"	AF6	1240	<i>[Signature]</i>
4	"	"	"	—	20	—	"	AF6	1505	<i>[Signature]</i>
					<u>80</u>					
RESULTS:		LANDFARM EMPLOYEE:		<i>[Signature]</i> EL		NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Reed Rogers SIGNATURE *[Signature]*
COMPANY CONTACT _____ PHONE _____ DATE 6-23-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47202

DATE 6-20-14 JOB # 97257-0-34

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise lot C-7	LF II.5	CON + SOIL	F13	20	—	MOSS	27	1003	Lee Moss
2	" "	" "	" "	G13	20	—	MOSS	27	1236	Lee Moss
3	" "	" "	" "	G13	20	—	MOSS	27	1500	Lee Moss
					60					
RESULTS:		LANDFARM EMPLOYEE:	<i>Gay Robinson</i>	NOTES:						
4271	CHLORIDE TEST									
	PAINT FILTER TEST	1	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS Mike S PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47201DATE 6-20-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Enterprise Lot C-7	LFII-5	CON & SOIL	F13	20	-	YUCCA	AF6	942		
2	"	"	"	F13	20	-	YUCCA	AF4	942		
3	"	"	"	G13	20	-	YUCCA	AF6	1220		
4	"	"	"	G13	20	-	YUCCA	AF4	1220		
5	"	"	"	G13	20	-	YUCCA	AF6	1445		
6	"	"	"	G13	20	-	YUCCA	AF4	1445		
					120						
RESULTS:			LANDFARM EMPLOYEE:	NOTES:							
291	CHLORIDE TEST	2	Goy Robinson ^{EL} Certification of above receipt & placement								
	PAINT FILTER TEST	2									

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry SIGNATURE Per Henry By Goy Robinson
COMPANY CONTACT EMS Mike S. PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.

White - Company Records. Yellow - Billing. Pink - Customer

San Juan Remediation 678-106

envirotech

Bill of Lading

MANIFEST # 47200

DATE 6-20-14 JOB # 97257-0634

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise lot C-7	LFII-5	CON'T SOIL	F13	20	-	Ritchey	71	1023	<i>[Signature]</i>
2	" "	"	"	G13	20	-	"	71	1241	<i>[Signature]</i>
3	" "	"	"	G13	20	-	"	71	1500	<i>[Signature]</i>
					60					
RESULTS:		LANDFARM EMPLOYEE:	<i>Gary Robinson</i> ^{EL}	NOTES:						
291	CHLORIDE TEST									
	PAINT FILTER TEST		Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey NAME Elmer T Ritchey SIGNATURE Elmer T Ritchey
COMPANY CONTACT Ems Mike S PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47199

DATE 6.20.14

JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey

NAME

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47197

DATE 6-20-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

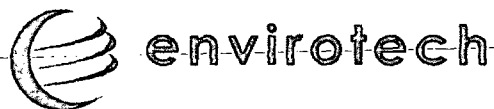
TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT EMS PHONE _____ DATE 6-20-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

and high conductivity 570 : 20



Bill of Lading

MANIFEST # 47196DATE 20 JUN 14 JOB # 97257-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LOT C-7	CLEAN FILL	—	20	—	YUCCA	AF4	720	
2	"	"	"	—	20	—	YUCCA	AF6	720	
3	"	"	"	✓	20	—	"	AF6	942	
4	"	"	"	—	20	—	"	AF4	945	
5	"	"	"	—	20	—	"	AF6	1220	
6	"	"	"	—	20	—	"	AF4	1220	
					120					
RESULTS:			LANDFARM EMPLOYEE:	NOTES:						
—	CHLORIDE TEST	✓								
—	PAINT FILTER TEST	✓	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YuccaNAME Read Rogers

SIGNATURE

COMPANY CONTACT EMS

PHONE _____

DATE 6-20-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47183

DATE 6-19-14 JOB # 97057-064

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS PHONE _____ DATE 6-19-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

275-

275



Bill of Lading

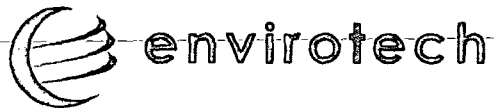
MANIFEST # 47182

DATE 6-19-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchay Team NAME Elvin Kitchay SIGNATURE Elvin Kitchay
COMPANY CONTACT EMS PHONE 1793 4476 DATE June 19 14
Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47181DATE 6-19-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise	LFII-5	CON'T SOIL	E-13	20	-	Yucca	AF6	956	
2	La C-7	"	"	E-13	20	-	Yucca	AF4	956	
3	"	"	"	E-13	20	-	Yucca	AF6	1235	
4	"	"	"	E-13	20	-	Yucca	AF4	1240	
5	"	"	"	E-13	20	-	Yucca	AF6	1523	
6	"	"	"	E-13	20	-	Yucca	AF4	1523	
					<u>120</u>					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
CHLORIDE TEST	2	Certification of above receipt & placement								
PAINT FILTER TEST	2									

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Read Rogers SIGNATURE
COMPANY CONTACT E.M.S. PHONE _____ DATE 6-19-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47177DATE 19 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

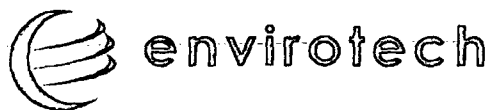
LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIROTECH	ENTERPRISE LABORAL CT	CLEAN FILL	—	20	—	MOSS EXCAVATION	27	735	Lee Moss	
2	"	"	"	—	20	—	"	27	1017	Lee Moss	
3	"	"	"	—	20	—	"	27	1310	Lee Moss	
4	"	"	"	—	20	—	"	27	1555	Lee Moss	
					80						
RESULTS:		LANDFARM		NOTES:							
/ CHLORIDE TEST /		EMPLOYEE: <u>Lee Moss</u>									
/ PAINT FILTER TEST /		Certification of above receipt & placement									

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS EXCAVATION NAME Lee Moss SIGNATURE Lee MossCOMPANY CONTACT EMS PHONE _____ DATE 6-19-14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 47175DATE 19 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LATERAL C7	CLEAN FILL	—	20	—	YUCA	AF4	725	
2	"	"	"	—	20	—	"	AF6	725	
3	"	"	"	—	20	—	"	AF6	955	
4	"	"	"	—	20	—	"	AF4	955	
5	"	"	"	—	20	—	"	AF6	1235	
6	"	"	"	—	20	—	"	AF4	1240	
					120					
RESULTS:		LANDFARM EMPLOYEE:	EL			NOTES:				
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Yucca NAME Henry Armenta SIGNATURE

COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



MANIFEST # 47159
DATE 6-18-14 JOB # 97057-0644

MANIFEST # 47159

DATE 6-18-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS NAME Lee Moss SIGNATURE Lee Moss
COMPANY CONTACT EMS PHONE 793-4426 DATE 6.18.14

Signatures required prior to distribution of the legal document.



MANIFEST # 47158
DATE 6-18-14 JOB # 97057-0644

DATE 6-18-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Ritchey Trucking NAME Elvin Ritchey SIGNATURE Elvin Ritchey
COMPANY CONTACT EMS PHONE 793-4426 DATE 6-18-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47157DATE 6-18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot C-7	LF2	Cont SOIL	A3	20	-	YUCCA	AF6	1015	<i>[Signature]</i>
2	" "	"	"	A3	"	-	"	AF4	1018	<i>[Signature]</i>
3	" "	"	"	A4	"	-	"	AF6	1250	<i>[Signature]</i>
4	" "	"	"	A4	"	-	"	AF4	1250	<i>[Signature]</i>
5	" "	"	"	A4	"	-	"	AF6	1533	<i>[Signature]</i>
					<u>100</u>					
RESULTS:		LANDFARM		NOTES:						
CHLORIDE TEST		2	EMPLOYEE: <i>Gary Robinson EL</i>							
PAINT FILTER TEST		2	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Read Rogers SIGNATURE *[Signature]*
COMPANY CONTACT _____ PHONE _____ DATE 6-18-14

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47155DATE 6-18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech.	Enterprise Lot C-7	Clean Fill	—	20	—	YUCCA	AF4	725	<i>[Signature]</i>
2	"	"	"	—	20	—	YUCCA	AF6	725	<i>[Signature]</i>
3	"	"	"	—	"	—	"	AF6	1015	<i>[Signature]</i>
4	"	"	"	—	"	—	"	AF4	1018	<i>[Signature]</i>
X	_____						AF4 725			
5	"	"	"	—	"	—	"	AF6	725	<i>[Signature]</i>
					<u>100</u>					
RESULTS:		LANDFARM		NOTES:						
<input checked="" type="checkbox"/>	CHLORIDE TEST	<input checked="" type="checkbox"/>	EMPLOYEE: <i>Gary Robinson</i>							
<input checked="" type="checkbox"/>	PAINT FILTER TEST	<input checked="" type="checkbox"/>	Certification of above receipt & placement							

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Read Rogers SIGNATURE *[Signature]*COMPANY CONTACT _____ PHONE _____ DATE 6-18-14

Signatures required prior to distribution of the legal document.



MANIFEST # 47154

DATE 6-18-14 JOB # 97057-0644

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Excavation NAME Lee Moss SIGNATURE Lee Moss

COMPANY CONTACT EMS PHONE 793-4426 DATE 6-18-14

Signatures required prior to distribution of the legal document.

White - Company Records. Yellow - Billing. Pink - Customer

525.4120 (reproduction 578.128)



envirotech

Bill of Lading

MANIFEST # 47153

DATE 18 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	ENTERPRISE LATERAL C7	CLEAN FILL		20	—	RITCHY	671	725	<i>[Signature]</i>
2	"	"	"		20	—	RITCHY	671	1000	<i>[Signature]</i>
3	"	"	"		20	—	RITCHY	671	045	<i>[Signature]</i>
4					60					
RESULTS:		LANDFARM	<i>[Signature]</i> Gary Robinson				NOTES:			
<input checked="" type="checkbox"/>	CHLORIDE TEST	EMPLOYEE:								
<input checked="" type="checkbox"/>	PAINT FILTER TEST	Certification of above receipt & placement								

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO.

NAME

FLINT RICH

SIGNATURE

Specs. T.R. Kelly

COMPANY CONTACT

PHONE

773 44.24

DATE _____

June 18 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

505 11/20 reproduction 572.42



MANIFEST # 47140
DATE 6-17-14 JOB # 97057-0644

DATE 6-17-14 JOB # 97057-0644

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

COMPANY CONTACT _____ PHONE _____ DATE 6-17-14

san juan reproduction 57B-126



Bill of Lading

MANIFEST # 47136DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

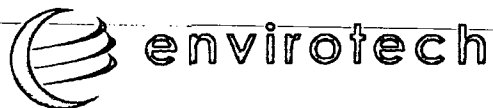
LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE LAT C-7	LFII	CONT SOIL	E-2	20	—	YUCCA	AF6	11:30	<i>[Signature]</i>
2	"	"	"	E-2	20	—	"	AF4	11:40	<i>[Signature]</i>
3	"	"	"	E-2	20	—	"	AF6	14:55	<i>[Signature]</i>
4	"	"	"	E-2	20	—	"	AF4	14:55	<i>[Signature]</i>
5	"	"	"	E-2	20	—	"	AF6	17:20	<i>[Signature]</i>
6	"	"	"	E-2	20	—	"	AF4	17:25	<i>[Signature]</i>
					120					
RESULTS:										
CHLORIDE TEST	2	LANDFARM EMPLOYEE:	<i>[Signature]</i> EL							
PAINT FILTER TEST	2	Certification of above receipt & placement								
NOTES:										

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. _____ NAME Read Rogers SIGNATURE *[Signature]*

COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 47134DATE 6-17-17 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVirotech	Enterprise Lat C-7	Clean Fill SOIL	-	20	-	YUCCA	AF4	8:25	
2	"	"	"	-	20	-	"	AF6	8:25	
3	"	"	"	-	20	-	"	AF6	11:30	
4	"	"	"	-	20	-	"	AF4	11:40	
5	"	"	"	-	20	-	"	AF10	14:55	
VOID THIS LINE										
6	"	"	"	-	20	-	"	AF4	14:55	
					120					
RESULTS:										
<input checked="" type="checkbox"/> CHLORIDE TEST		<input checked="" type="checkbox"/>		LANDFARM EMPLOYEE: <u>Gary Robinson</u>		NOTES:				
<input checked="" type="checkbox"/> PAINT FILTER TEST		<input checked="" type="checkbox"/>		Certification of above receipt & placement						

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. YUCCA NAME Henry Armenta SIGNATURE
COMPANY CONTACT Horny PHONE _____ DATE 6-17-17

Signatures required prior to distribution of the legal document.



envirotech

Bill of Lading

MANIFEST # 47133

DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Kitchen Wash

NAME ELVIN KITCHEN

SIGNATURE John R. Kitzner

COMPANY CONTACT *617 5*

PHONE 793 4426

DATE June 17 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

san juan reproduction 578-126

Appendix D

Laboratory Analytical Reports



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17098

Samples Received: 6/17/2014 4:55:00PM

Job Number: 03117-0014

Work Order: P406068

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 6/19/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-110 @ 0-18' bgs	P406068-01A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-108 Base @ 20' bgs	P406068-02A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-101 @ 0-18' bgs	P406068-03A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 19-Jun-14 09:30
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-110@ 0-18' bgs
P406068-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %	80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %	80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	30.9	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 19-Jun-14 09:30

SC-108 Base @ 20' bgs
P406068-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		92.8 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		89.3 %		80-120		1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 19-Jun-14 09:30

SC-101 @ 0-18' bgs
P406068-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.2 %		80-120	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.8 %		80-120	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/l.	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120			

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	47.6		ug/l.	50.0		95.3	80-120			
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	45.0		ug/L	50.0	ND	90.0	39-150			
Toluene	45.1		"	50.0	ND	90.3	46-148			
Ethylbenzene	44.7		"	50.0	ND	89.5	32-160			
p,m-Xylene	89.9		"	100	ND	89.9	46-148			
o-Xylene	45.2		"	50.0	ND	90.4	46-148			
Surrogate: 1,3-Dichlorobenzene	49.3		"	50.0		98.6	80-120			
Surrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) 0.42 mg/L 0.450 ND 93.1 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425016 - DRO Extraction EPA 3550C

Blank (1425016-BLK1)

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1425016-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg 30.9 30

Matrix Spike (1425016-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) 230 mg/L 250 29.3 80.2 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
19-Jun-14 09:30

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301


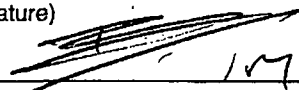

Ph (505) 632-0615 Fx (505) 632-1865

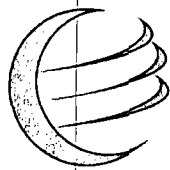
Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17098

Client: <u>Sawyer Miller & Associates</u>			Project Name / Location: <u>Lateral C-7</u>			ANALYSIS / PARAMETERS															
Email results to: <u>stevan.moskal@sawyermlr.com</u>			Sampler Name: <u>Steve Moskal</u>			<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">TPH (Method 8015)</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">BTEX (Method 8021)</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">VOC (Method 8260)</div> </div> <div> RCRA 8 Metals Cation / Anion FIC TCLP with H/P CO Table 910-1 TPH (418.1) CHLORIDE Sample Cool Sample Intact </div> </div>															
Client Phone No.: <u>(505) 215-9812 / (505) 325-7535</u>			Client No.: <u>S122855 BG 12</u>																		
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FIC	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HNO ₃	HCl															
SC-110 @ 0-18' bgs	6/17/14	1400	P406068-01	1 x 4 oz				X	X											X	X
SC-108 Bgs @ 20' bgs	↓	1410	P406068-02	↓				X	X											↓	↓
SC-101 @ 0-18' bgs	↓	1455	P406068-03	↓				X	X											↓	↓
Relinquished by: (Signature) 					Date 6/17/14	Time 1655	Received by: (Signature) 					Date 6/17/14	Time 1655								
Relinquished by: (Signature)							Received by: (Signature)														
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="font-size: 2em; font-family: cursive;">RUSH</div>					 <div style="font-size: 1.5em; font-family: cursive;">12.6, 11.6, 12.6</div>																



envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17101

Samples Received: 6/18/2014 4:05:00PM

Job Number: 03117-0014

Work Order: P406070

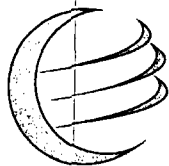
Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

Date: 6/20/14

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-116 W Wall @ 8-12'	P406070-01A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-115 @ 15' bgs (base)	P406070-02A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-100 @ 6' bgs (base)	P406070-03A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-117 NW Wall @ 0-12'	P406070-04A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-116 W Wall @ 8-12'
P406070-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.6 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		97.4 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 20-Jun-14 12:03

SC-115 @ 15' bgs (base)
P406070-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.7 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.0 %		80-120		1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1		1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

SC-100 @ 6' bgs (base)
P406070-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.4 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.0 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

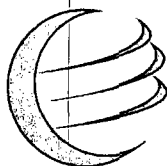
5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

SC-117 NW Wall @ 0-12'
P406070-04 (Solid)

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.7 %		80-120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

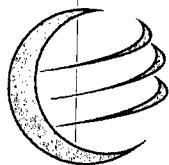
5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120			

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	47.6		ug/L	50.0		95.3	80-120			
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Benzene	45.0		ug/L	50.0	ND	90.0	39-150			
Toluene	45.1		"	50.0	ND	90.3	46-148			
Ethylbenzene	44.7		"	50.0	ND	89.5	32-160			
p,m-Xylene	89.9		"	100	ND	89.9	46-148			
o-Xylene	45.2		"	50.0	ND	90.4	46-148			
Surrogate: 1,3-Dichlorobenzene	49.3		"	50.0		98.6	80-120			
Surrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

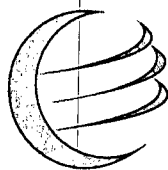
5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425015 - Purge and Trap EPA 5030A

Blank (1425015-BLK1)

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg

Duplicate (1425015-DUP1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425015-MS1)

Source: P406068-01

Prepared & Analyzed: 18-Jun-14

Gasoline Range Organics (C6-C10) 0.42 mg/L 0.450 ND 93.1 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 20-Jun-14 12:03
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425016 - DRO Extraction EPA 3550C										
Blank (1425016-BLK1)				Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425016-DUP1)				Source: P406068-01 Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		30.9				30	
Matrix Spike (1425016-MS1)				Source: P406068-01 Prepared & Analyzed: 18-Jun-14						
Diesel Range Organics (C10-C28)	230		mg/L	250	29.3	80.2	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

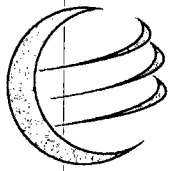
5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
20-Jun-14 12:03

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17101

Client: <i>Souder Miller & Associates</i>			Project Name / Location: <i>Lateral C-7</i>			ANALYSIS / PARAMETERS														
Email results to: <i>steven.moskal@soudermiller.com</i>			Sampler Name: <i>Steve Moskal</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: <i>505 215 9812</i>			Client No.: <i>03117-0014</i> <i>5122855 BG12</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl	As													
<i>SC-116 w/ wall @ 8-12'</i>	<i>6/18/14</i>	<i>1322</i>	<i>P406070-01</i>	<i>1 x 40z</i>															<i>Y</i>	<i>Y</i>
<i>SC-115 @ 15' bgs (base)</i>	<i>↓</i>	<i>1337</i>	<i>P406070-02</i>	<i>↓</i>															<i>Y</i>	<i>Y</i>
<i>SC-100 @ 6' bgs (base)</i>	<i>↓</i>	<i>1420</i>	<i>P406070-03</i>	<i>↓</i>															<i>Y</i>	<i>Y</i>
<i>SC-117 NW wall @ 0-12'</i>	<i>↓</i>	<i>1432</i>	<i>P406070-04</i>	<i>↓</i>																
Relinquished by: (Signature) <i>[Signature]</i>					Date <i>6/18/14</i>	Time <i>1605</i>	Received by: (Signature) <i>[Signature]</i>											Date <i>6/18/14</i>	Time <i>1605</i>	
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <i>RUSH</i>					 envirotech Analytical Laboratory <i>5.4, 4.3 6.1</i>															



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17107

Samples Received: 6/20/2014 7:05:00AM

Job Number: 03117-0014

Work Order: P406076

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 6/24/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 6/24/14 11:11 am

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

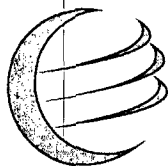
Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 24-Jun-14 11:12

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-118 NW Corner @ 0-20'	P406076-01A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-119 N. Wall Corner @ 5-20'	P406076-02A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-121 N. Base @ 23'	P406076-03A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-122 S. Base @ 15'	P406076-04A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-123 S. Of E. Wall 0-15'	P406076-05A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-124 SE Wall Corner @ 0-16'	P406076-06A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-126 E Wall @ 0-17'	P406076-07A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-127 NE Wall @ 6-18'	P406076-08A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-128 N. Wall @ 5-20'	P406076-09A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

SC-118 NW Corner @ 0-20'
P406076-01 (Solid)

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		100 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101, San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-119 N. Wall Corner @ 5-20'
P406076-02 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.9 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



120



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-121 N. Base @ 23'

P406076-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		99.5 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	l		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	l		1425029	06/20/14	06/20/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-122 S. Base @ 15'
P406076-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.8 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		96.2 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.8	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 24-Jun-14 11:12

SC-123 S. Of E. Wall 0-15'
P406076-05 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.3 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		98.5 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

 Reported:
 24-Jun-14 11:12

SC-124 SE Wall Corner @ 0-16'
P406076-06 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.2 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.6 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

SC-126 E Wall @ 0-17'
P406076-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		106 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-127 NE Wall @ 6-18'
P406076-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		109 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		110 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

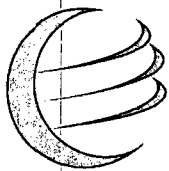
5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

SC-128 N. Wall @ 5-20'
P406076-09 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		105 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		108 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			

Duplicate (1425028-DUP1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1425028-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	50.2		ug/L	50.0	ND	100	39-150			
Toluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	50.4		"	50.0	ND	101	32-160			
p,m-Xylene	101		"	100	ND	101	46-148			
o-Xylene	50.4		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 11:12
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425028 - Purge and Trap EPA 5030A										
Blank (1425028-BLK1)				Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)				Source: P406076-01 Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425028-MS1)				Source: P406076-01 Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425029 - DRO Extraction EPA 3550C										
Blank (1425029-BLK1)				Prepared & Analyzed: 20-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)				Source: P406076-01 Prepared & Analyzed: 20-Jun-14						
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
Matrix Spike (1425029-MS1)				Source: P406076-01 Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 11:12

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

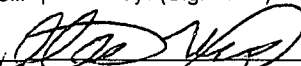


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17107

Client: Sunder Milk & Associates			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS															
Email results to: steven.masked@sundermilk.com			Sampler Name: Steve Masked																		
Client Phone No.: 505 215 9812			Client No.: 5122855																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
					HNO ₃	HCl															
SC-118 NW corner @0-20'	6/19/14	1038	P406076-01	1 x 4oz			X	X												✓	✓
SC-119 N. wall @5-20'		1105	P406076-02				X	X												✓	✓
SC-121 N. Base @23'		1145	P406076-03				X	X												✓	✓
SC-122 S. Base @15'		1315	P406076-04				X	X												✓	✓
SC-123 S. of E. wall @15'		1318	P406076-05				X	X												✓	✓
SC-124 SE wall corner @0-16'		1330	P406076-06				X	X												✓	✓
SC-126 E wall @0-17'		1424	P406076-07				X	X												✓	✓
SC-127 NE wall @6'18'		1532	P406076-08				X	X												✓	✓
SC-128 N. wall @5-20'	✓	1602	P406076-09				X	X												✓	✓
Relinquished by: (Signature) 					Date 6/20/14	Time 0705	Received by: (Signature) 					Date 6/20/14	Time 0705								
Relinquished by: (Signature)							Received by: (Signature)														
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																					
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">RUSH</div>					<div style="display: flex; align-items: center; justify-content: space-between;">  <div> <div style="font-size: 1.5em; font-weight: bold;">envirotech</div> <div>Analytical Laboratory</div> </div> <div style="text-align: right;"> <div style="font-size: 1.5em; margin-right: 20px;">11.2</div> <div style="font-size: 1.5em; margin-right: 20px;">11.9</div> <div style="font-size: 1.5em;">11.2</div> </div> </div>																



Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17110

Samples Received: 6/20/2014 2:20:00PM

Job Number: 03117-0014

Work Order: P406079

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be "Tim Cain", written over a horizontal line.

Date: 6/24/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 24-Jun-14 12:05

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-125 E Base @ 21'	P406079-01A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-130 N Wall @ C-7 8-20'	P406079-02A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 8-12'	P406079-03A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 12-20'	P406079-04A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101. San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-125 E Base @ 21'

P406079-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

 Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 24-Jun-14 12:05

SC-130 N Wall @ C-7 8-20'
P406079-02 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		103 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

SC-131 E Wall @ RP 8-12'
P406079-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.4 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.5 %		80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 24-Jun-14 12:05
---	---	------------------------------

SC-131 E Wall @ RP 12-20'
P406079-04 (Solid)

Analyte	Result	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units							
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		101 %		80-120		1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1425029	06/20/14	06/23/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	48.5		ug/l.	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			

Duplicate (1425028-DUP1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/l.	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			

Matrix Spike (1425028-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Benzene	50.2		ug/L	50.0	ND	100	39-150			
Toluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	50.4		"	50.0	ND	101	32-160			
p,m-Xylene	101		"	100	ND	101	46-148			
o-Xylene	50.4		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1425028 - Purge and Trap EPA 5030A

Blank (1425028-BLK1)

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg

Duplicate (1425028-DUP1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg ND 30

Matrix Spike (1425028-MS1)

Source: P406076-01

Prepared: 20-Jun-14 Analyzed: 23-Jun-14

Gasoline Range Organics (C6-C10) 0.51 mg/L 0.450 ND 113 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 24-Jun-14 12:05
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1425029 - DRO Extraction EPA 3550C

Blank (1425029-BLK1)		Prepared & Analyzed: 20-Jun-14								
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)		Source: P406076-01		Prepared & Analyzed: 20-Jun-14						
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
Matrix Spike (1425029-MS1)		Source: P406076-01		Prepared: 20-Jun-14 Analyzed: 23-Jun-14						
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
24-Jun-14 12:05

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

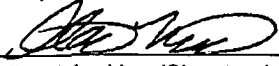
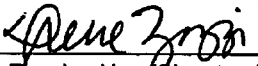

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17110

Client: SMA			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS													
Email results to: Steven.Maskal@soudernmiller.com			Sampler Name: Steve Maskal			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 505 215 9812			Client No.: 5122855 03117-0014																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO ₃ HCl														
SC-125 E. Base @ 21'	6/20/14	1000	P406079-01	1-402 jar				X	X									✓	✓
SC-130 N. wall @ C-7 8-20'	↓	1050	P406079-02	↓				X	X									✓	✓
SC-131 E. wall @ RP 8-12'	↓	1112	P406079-03	↓				X	X									✓	✓
SC-131 E. wall @ RP 12-20'	↓	1114	P406079-04	↓				X	X									✓	✓
Relinquished by: (Signature) 					Date 6/20/14	Time 14:20	Received by: (Signature) 										Date 6/20/14	Time 14:20	
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. RUSH					 <div style="position: absolute; top: 0; right: 0; text-align: right;"> 14.8 17.5 15.1 </div>														

Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17122

Samples Received: 6/23/2014 4:50:00PM

Job Number: 03117-0014

Work Order: P406093

Project Name/Location: Lateral C-7

Entire Report Reviewed By:



Date: 6/25/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Road @ 0-6'	P406093-01A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-132 Base Mid of E Wall @23'	P406093-02A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-133 EWall Mid @6-23'	P406093-03A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Road @ 0-6'
P406093-01 (Solid)

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		118 %	80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		115 %	80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

SC-132 Base Mid of E Wall @23'
P406093-02 (Solid)

Analyte	Reporting								Notes
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	
Volatile Organics by EPA 8021									
Benzene	1.59	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	32.3	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	7.75	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	55.4	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	14.4	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	69.8	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	111	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		153 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: 1,3-Dichlorobenzene		236 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	644	5.00	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	152	30.0	mg/kg	l	1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 25-Jun-14 13:59
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-133 EWall Mid @6-23'
P406093-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	39.1	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	206	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	28.9	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	170	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	50.7	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	221	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	494	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		166 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		160 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	1330	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	377	30.0	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 25-Jun-14 13:59
---	---	------------------------------

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg							
Duplicate (1426009-DUP1)				Source: P406093-01 Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg		ND				30	
Matrix Spike (1426009-MS1)				Source: P406093-01 Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

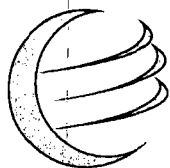
5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
21011 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 1426010 - DRO Extraction EPA 3550C

Blank (1426010-BLK1)

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1426010-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg ND 30

Matrix Spike (1426010-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Diesel Range Organics (C10-C28) 279 mg/L 250 6.00 109 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

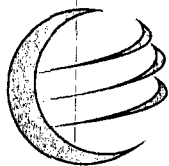
5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
25-Jun-14 13:59

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301




Ph (505) 632-0615 Fx (505) 632-1865

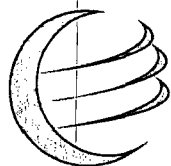
Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17122

Client: Souder Miller & Associates			Project Name / Location: Lateral C-7			ANALYSIS / PARAMETERS														
Email results to: greenmusk@souder-miller.com			Sampler Name: Steve Mosher			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: 505 215 9812			Client No.: 5122855 03117-0614																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HNO ₃	HCl														
Reed @ 6'	6/23/14	1517	P406093-01	1 x 4oz				X	X										Y	Y
SC-132 Box mid of E wall @ 23'		1545	P406093-02	↓				X	X										L	L
SC-133 E wall mid @ 23'	↓	1547	P406093-03	↓				X	X										L	L
Relinquished by: (Signature) 					Date 6/23/14	Time 16:50	Received by: (Signature) 					Date 6/23/14	Time 16:50							
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																				
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. RUSH					 envirotech Analytical Laboratory <div style="float: right; text-align: right;"> 10.5 10.4 10.0 </div>															



envirotech

Analytical Laboratory

Analytical Report

Report Summary

Client: Souder Miller & Associates

Chain Of Custody Number: 17128

Samples Received: 6/24/2014 4:20:00PM

Job Number: 03117-0014

Work Order: P406102

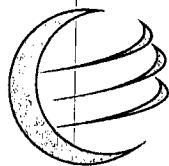
Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Date: 6/26/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



envirotech

Analytical Laboratory

Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
26-Jun-14 12:35

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-136 E Wall @ 6-20'	P406102-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-137 S Wall @ 6-20'	P406102-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-132 E Base @ 33.5'	P406102-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



Souder Miller & Associates
 2101 San Juan Blvd.
 Farmington NM, 87401

Project Name: Lateral C-7
 Project Number: 03117-0014
 Project Manager: Steven Moskal

Reported:
 26-Jun-14 12:35

SC-136 E Wall @ 6-20'
P406102-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.3 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.9 %		80-120	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-137 S Wall @ 6-20'

P406102-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.0 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.1 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

SC-132 E Base @ 33.5'

P406102-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	0.13	0.05	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.2 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.5 %		80-120		1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	33.1	4.99	mg/kg	1		1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1426010	06/24/14	06/24/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates 2101 San Juan Blvd. Farmington NM, 87401	Project Name: Lateral C-7 Project Number: 03117-0014 Project Manager: Steven Moskal	Reported: 26-Jun-14 12:35
---	---	------------------------------

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		"	50.0	ND	106	46-148			
Ethylbenzene	51.9		"	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorobenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	--------------	----------------	-----	--------------	-------

Batch 1426009 - Purge and Trap EPA 5030A

Blank (1426009-BLK1)

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) ND 0.10 mg/kg

Duplicate (1426009-DUP1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 7.59 4.99 mg/kg ND 30

Matrix Spike (1426009-MS1)

Source: P406093-01

Prepared & Analyzed: 24-Jun-14

Gasoline Range Organics (C6-C10) 0.46 mg/L 0.450 ND 102 75-125

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



160



Souder Miller & Associates	Project Name:	Lateral C-7	Reported: 26-Jun-14 12:35
2101 San Juan Blvd.	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Steven Moskal	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 1426010 - DRO Extraction EPA 3550C

Blank (1426010-BLK1)		Prepared & Analyzed: 24-Jun-14								
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1426010-DUP1)		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)		Source: P406093-01		Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	279		mg/L	250	6.00	109	75-125			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fx (800) 362-1879





Souder Miller & Associates
2101 San Juan Blvd.
Farmington NM, 87401

Project Name: Lateral C-7
Project Number: 03117-0014
Project Manager: Steven Moskal

Reported:
26-Jun-14 12:35

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879



17128

[illegible]

☐ Sample(s) dropped off after hours to secure drop off area.

五全



envirotech
Analytical Laboratory

8.8 9.3 6.4

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Revised

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: LC Kelly #7	Facility Type: Gas gathering system pipeline

Surface Owner: BLM	Mineral Owner: BLM	API No.
--------------------	--------------------	---------

LOCATION OF RELEASE

Unit Letter L	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.839055 Longitude -108.110393

NATURE OF RELEASE

RCVD SEP 2 '14

Type of Release: Natural gas and possible associated liquids	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: 11/21/13 @ 5:00 p.m.	Date and Hour of Discovery: 11/21/13 @ 5:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD 11/22/13 @ 10:12 a.m.	
By Whom? Thomas Long	Date and Hour 11/22/13 @ 10:12 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown; To be determined OIL CONS. DIV.	

If a Watercourse was Impacted, Describe Fully.* Release is located within an unnamed intermittent stream/ephemeral wash perpendicular to the pipeline. No surface impacts were observed during initial discovery.

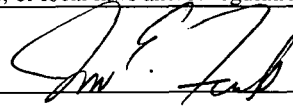
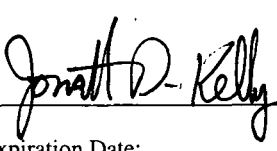
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

On 11-21-13 @ 4:45pm a line leak was reported on the L.C. Kelly #7 meter # 98-162-01 a Non Jurisdictional single well tie line located in Sec-4, T-30-N, and R-12-W. GPS N36.839055 W-108.110393. An Enterprise employee was dispatched and the leak was verified @ 5:00pm. Employee isolated and blew down pipeline and applied LOTO with line out of service @ 5:15pm and protocol notifications made. No surface environmental impact was sustained resulting from leak. Subsurface evaluations and remediation actions will be made at time of repair schedule for 12/3/13 to 12/4/13.

Describe Area Affected and Cleanup Action Taken.* Third party environmental contractor was dispatched to oversee excavation activities and collect closure samples. The impacted area was approximately 53 feet long by 12 feet wide ranging from three (3) to nine (9) feet below ground surface. Approximately 40 cubic yards of contaminated soil was transported to an NMOCD approved land farm facility. A complete and detailed third party environmental corrective action report is enclosed with this c-141 "final" report.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Environmental	Approval Date: 9/3/2014	Expiration Date:
E-mail Address: jefield@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/28/2014	Phone: 713 3816684	

* Attach Additional Sheets If Necessary

NJK1424655583

39

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: LC Kelly #7	Facility Type: Gas gathering system pipeline	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter L	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.839055 Longitude -108.110393

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: Unknown	Volume Recovered: To be determined
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: 11/21/13 @ 5:00 p.m.	Date and Hour of Discovery: 11/21/13 @ 5:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD 11/22/13 @ 10:12 a.m.	
By Whom? Thomas Long	Date and Hour 11/22/13 @ 10:12 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown; To be determined	

If a Watercourse was Impacted, Describe Fully.* Release is located within an unnamed intermittent stream/ephemeral wash perpendicular to the pipeline. No surface impacts were observed during initial discovery.

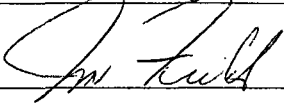
RCVD JAN 21 '14
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

On 11-21-13 @ 4:45pm a line leak was reported on the L.C. Kelly #7 meter # 98-162-01 a Non Jurisdictional single well tie line located in Sec-4, T-30-N, and R-12-W. GPS N36.839055 W-108.110393. An Enterprise employee was dispatched and the leak verified @ 5:00pm. Employee isolated and blew down pipeline and applied LOTO with line out of service @ 5:15pm and protocol notifications made. No surface environmental impact was sustained resulting from leak. Subsurface evaluations and remediation actions will be made at time of repair schedule for 12/3/13 to 12/4/13.

Describe Area Affected and Cleanup Action Taken.* Third -arty environmental contractor was dispatched to oversee excavation activities and collect closure samples. The impacted area was approximately 53 feet long by 12 feet wide ranging from three (3) to nine (9) feet below ground surface. Approximately 40 cubic yards of contaminated soil was transported to a NMOCD approved land farm facility. A complete and detailed third-party environmental corrective action report is enclosed with this c-141 "final" report.

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.

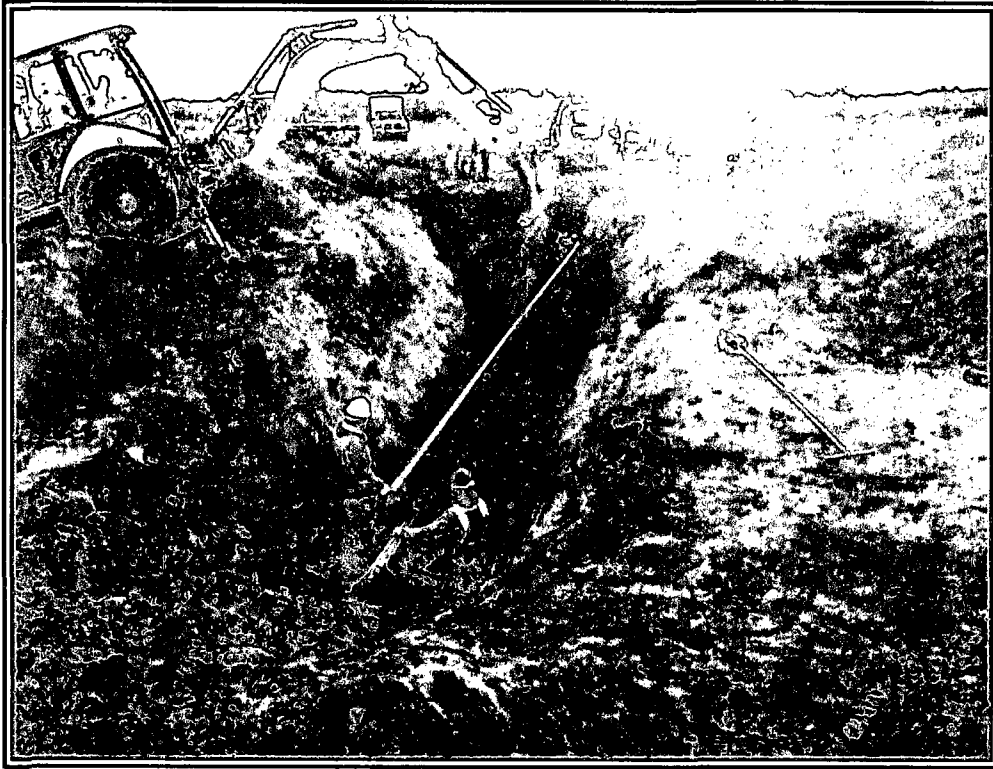
Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by Environmental Specialist:	
Title: Director, Field Compliance	Approval Date:	Expiration Date:	
E-mail Address: jefields@eprod.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1/15/2014	Phone: 713-381-6884		

* Attach Additional Sheets If Necessary

Enterprise Products
L C Kelly #7 Pipeline Releases
Latitude North 36.83911, Longitude West -108.11038
NW ¼, SW ¼ (UNIT L) Section 4 T30N R12W
San Juan County, New Mexico

RCVD JAN 21 '14
OIL CONS. DIV.
DIST. 3

December 23, 2013



Submitted To:

Enterprise Products
Field Environmental-San Juan Basin
614 Reilly Avenue
Farmington, NM 87401

Submitted By:

Souder, Miller & Associates
2101 San Juan Boulevard
Farmington, NM 87401
(505) 325-7535



Table of Contents

1.0	Executive Summary	2
2.0	Introduction.....	3
3.0	Site Ranking and Land Jurisdiction	3
4.0	Summary of Field Activities	3
5.0	Conclusions and Recommendations	4
6.0	Closure and Limitations	4

Figures:

Figure 1: Vicinity Map

Figure 2: Site Location Map

Figure 3: Soil Contaminant Concentration Map

Tables:

Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Field Screening Results

Table 4: Summary of Laboratory Analysis

Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation

Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

From December 3, 2013 Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the L.C. Kelly #7 pipeline. The table below summarizes information about the releases and remediation activities.

TABLE 1: RELEASE INFORMATION					
Name	L.C. Kelly #7				
Location	Latitude/Longitude		Section, Township, Range		
	36.83911	-108.11038	Unit L (NW ¼ SW ¼)	Section 4	T 30N, R 12W
Date Reported	November 21, 2013				
	Thomas Long				
Land Owner	Bureau of Land Management (BLM)				
Reported To	New Mexico Oil Conservation Division (NMOCD) and BLM				
Diameter of Pipeline	4 inches				
Source of Release	Internal Corrosion				
Release Contents	Natural Gas Liquids/Condensate				
Release Volume	Unknown				
Nearest Waterway	Flora Vista Arroyo				
Depth to Groundwater	Assumed to be less than 50 feet				
Nearest Domestic Water Source	Greater than 1000 feet				
NMOCD Ranking	40				
SMA Response Dates	12/3/13				
Subcontractors	West States Energy Contractors (WSEC)				
Disposal Facility	Industrial Ecosystems, Inc Landfarm				
Yd ³ Contaminated Soil Excavated and Disposed	40 cubic yards				

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the L. C. Kelly #7 pipeline. The L.C. Kelly #7 pipeline release was a result of internal corrosion of the steel pipeline. The release was reported November 21, 2013. The release is located in Unit L (NW ¼, SW ¼) Section 4, Township 30 North, Range 12 West, 36.83911, -108.11038, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located in the Flora Vista Arroyo on land managed by the BLM with an elevation of approximately 5,830 feet above sea level. The release is located in an unnamed wash. After evaluation of the sites using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. In total, ten wells are located in Section 4 of T30N-R12W. These wells are located greater than 1000 feet from the release location, but are within one mile of the release location. Eight of the ten wells have log information and none of the ten wells are registered points of diversions.

The physical location of this release is within the jurisdiction of NMOCD and BLM. The release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm total benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On December 3, 2013, SMA mobilized to the site to oversee excavation activities and further delineate the release area by the use of a hand auger and collecting samples for field screening with a calibrated photoionization detector (PID). WSEC repaired the release point and excavated the hydrocarbon impacted soils associated with the hydrocarbon release. SMA personnel guided the excavation activities by collecting soil samples for field screening with a calibrated PID. Table 3 summarizes the field screening results.

The excavation depth ranged from approximately 3 to 9 feet below ground surface. SMA collected five composite soil samples from the side walls and base of the excavation. Field screening of the excavated and stockpiled material determined that

the soils removed from close proximity to the release point were not suitable for use as backfill material. Stockpiled material from the excavation further from the release point appeared to be suitable for backfill material and laboratory samples were collected and submitted for verification. The excavation was then backfilled with approved onsite soils and imported soils.

All laboratory soil samples from the excavation were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation, excavation and stockpile composite soil sample locations, and laboratory results.

The final excavation dimensions for the release site was 53 feet long by 12 feet wide by 3 to 9 feet deep. Site photography is included in Appendix B. Approximately 40 cubic yards of hydrocarbon contaminated soil were excavated and transported by WSEC to Industrial Ecosystems, Inc. landfarm on Crouch Mesa, near Bloomfield, New Mexico for proper disposal. Approximately 40 cubic yards of clean backfill material was imported to the site. Soil disposal documentation is included in Appendix C.

5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH. Laboratory analysis of the excavation and stockpiles detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines. SMA notified Enterprise personnel, who agreed that backfilling the excavation with suitable onsite material was appropriate and practical. The impacted soil was hauled off site for disposal. Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

December 23, 2013

If there are any questions regarding this report, please contact either Steven Moskal or Reid Allan at 505-325-7535.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

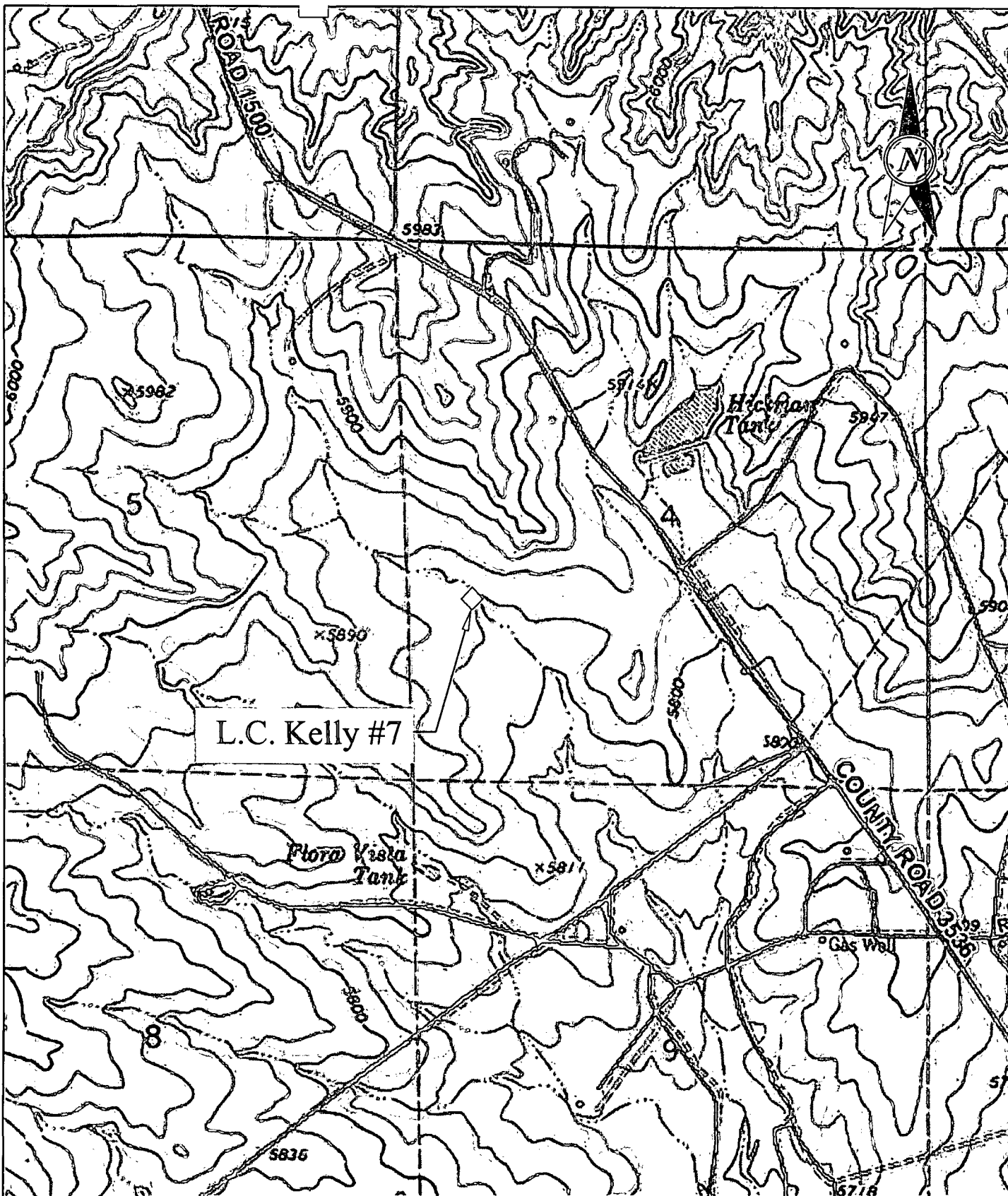


Steven J. Moskal
Staff Scientist



Reid S. Allan, PG
Principal Scientist

FIGURES



SCALE

0' 1000' 2000' 4000'

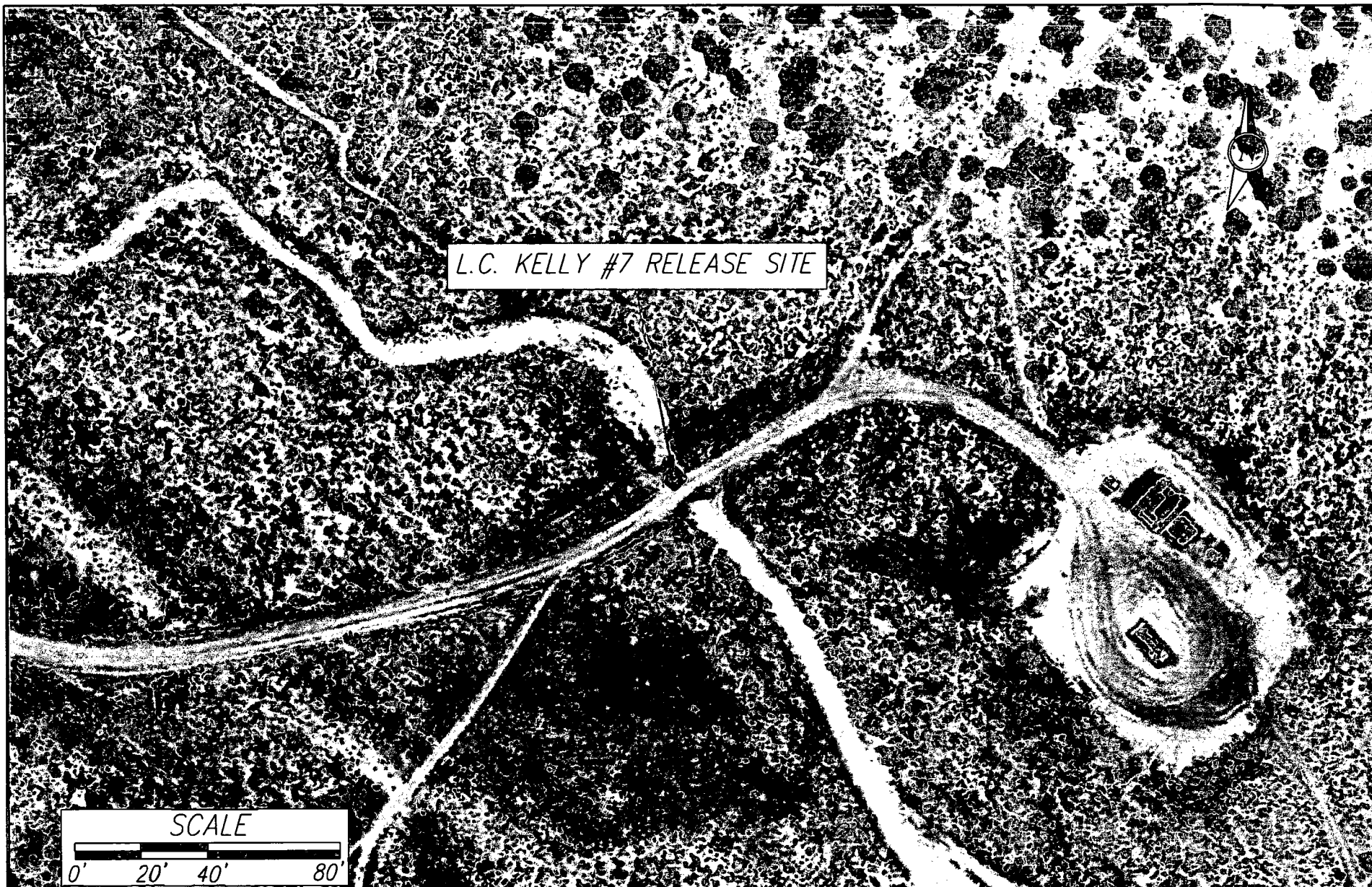


2101 SAN JUAN BLVD
FARMINGTON, NM 87401

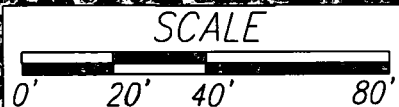
FAX (505) 327-1496
PH. (505) 325-5667

APPROVED: RSA	DATE: 12/23/2013
DRAWN BY: SMOSKAL	DATE: 12/11/13
REVISIONS BY:	DATE:
PROJECT # 5122104	FIGURE: 1

VICINITY MAP
L.C. KELLY #7
UNIT L SECTION 4 T30N R12W
SAN JUAN COUNTY, NEW MEXICO



L.C. KELLY #7 RELEASE SITE

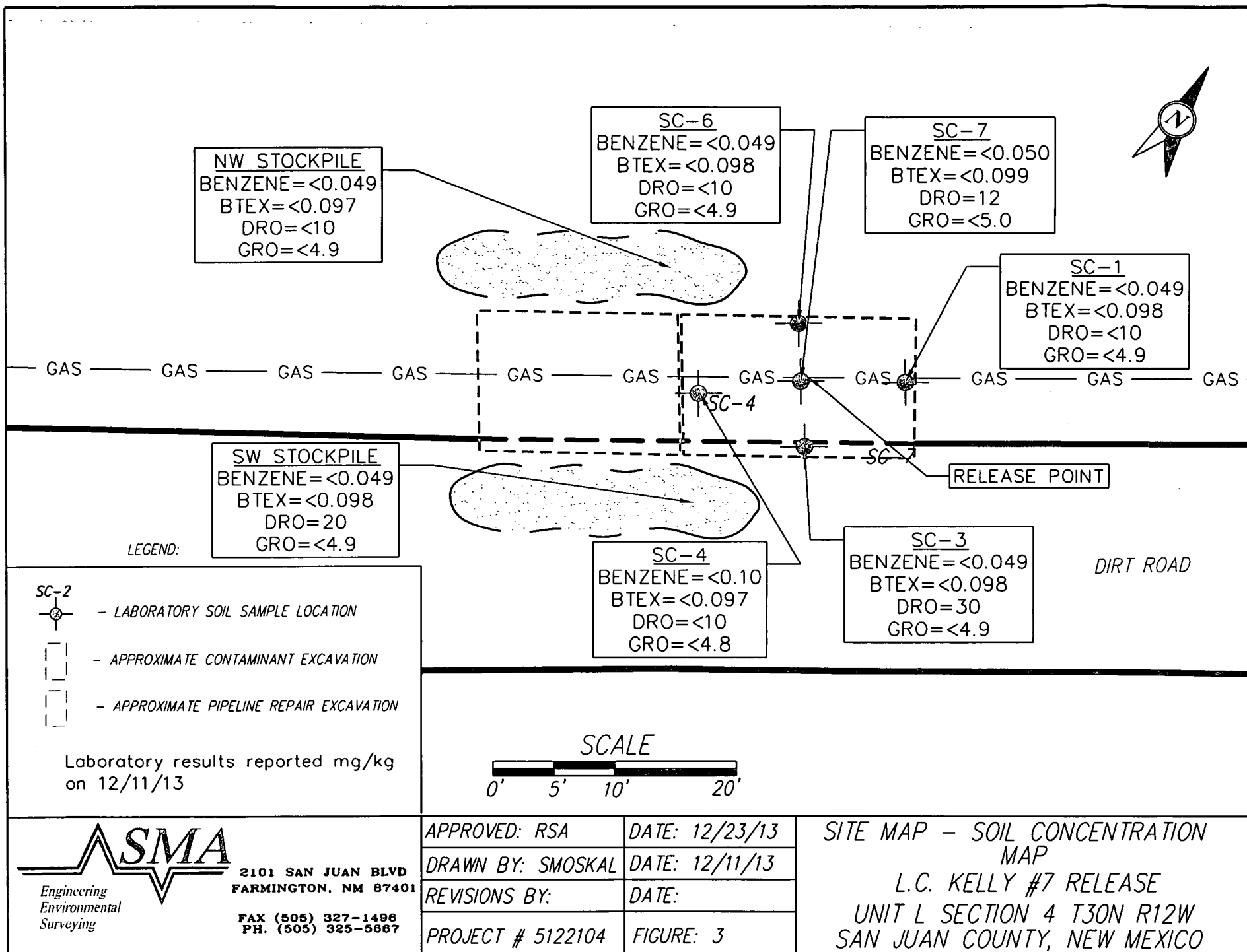


2101 SAN JUAN BLVD
FARMINGTON, NM 87401

FAX (505) 327-1496
PH. (505) 325-5667

APPROVED: RSA	DATE: 12/23/13
DRAWN BY: SMOSKAL	DATE: 12/11/13
REVISIONS BY:	DATE:
PROJECT # 5122104	FIGURE: 2

SITE LOCATION MAP
L.C. KELLY #7 RELEASE
UNIT L SECTION 4 T30N R12W
SAN JUAN COUNTY, NEW MEXICO



TABLES

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Field verification that release is located within an unnamed wash.	Groundwater is assumed to be less than 50 feet below ground surface.
50' to 99' = 10			
>100' = 0			
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20	20	Field verification that release is located within an unnamed wash.	Release is located within the Flora Vista Arroyo.
200'-1000' = 10			
>1000' = 0			
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source?	0	NM State Engineer Water Well Database	No recorded water wells located with 1000'; Ten wells located within a 1 mile radius.
<200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0			
Total Site Ranking	40		
Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



Enterprise Products
Table 3: Summary of Excavation
Field Screening Results (PPM)

L C Kelly #7
Pipeline Release
12/23/13

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
12/3/2013	14:15	SC-1: E. Base	3	18.2	Yes
12/3/2013	14:16	SC-2: N Base	8	492	N
12/3/2013	14:17	SC-3: S. Base	8	94	Yes
12/3/2013	14:18	SC-4: W. Base	6	8.7	Yes
12/3/2013	14:35	SC-5: Pothole; 40' E of Release	6	1.9	N
12/3/2013	14:44	SC-6: N. Wall	5	5	Yes
12/3/2013	14:47	SC-7: Beneath Release Point	9	82.6	Yes
12/3/2013	14:58	SC-8: Hand Auger 3' N of Release Point	1	189.6	N
12/3/2013	15:01		2	33.9	N
12/3/2013	15:03		3	8.1	N
12/3/2013	15:06		4	82.5	N
12/3/2013	15:18		5	51.6	N
12/3/2013	15:26		6	42.4	N
12/3/2013	15:36		7	40.4	N
12/3/2013	15:39		8	29.2	N
12/3/2013	15:41		9	27.6	N
12/3/2013	15:43		10	5.6	N
12/3/2013	15:55	SC-9: W. Base, N. of Pipeline	6	7.2	N
12/3/2013	15:57	SC-10: W. Base, S. of Pipeline	6	12.3	N
12/3/2013	16:30	S. Stockpile, Eastern Composite	Stockpile Composite	295	N
12/3/2013	16:32	S. Stockpile, Western Composite	Stockpile Composite	85.3	Yes
12/3/2013	16:40	N. Stockpile, Eastern Composite	Stockpile Composite	204	N
12/3/2013	16:42	N. Stockpile, Western Composite	Stockpile Composite	65.7	Yes



Enterprise Products
Table 4: Summary of Laboratory Analysis
Results in mg/Kg

L C Kelly #7
Pipeline Release
12/23/13

LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
12/3/2013	14:15	SC-1	3	<4.9	<10	<0.049	<0.098
12/3/2013	14:17	SC-3	8	<4.9	30	<0.049	<0.098
12/3/2013	14:18	SC-4	6	<4.8	<10	<0.048	<0.097
12/3/2013	14:44	SC-6	5	<4.9	<10	<0.049	<0.098
12/3/2013	14:47	SC-7	9	<5.0	12	<0.050	<0.099
12/3/2013	16:32	SW Stockpile	Stockpile Composite	<4.9	20	<0.049	<0.098
12/3/2013	16:42	NW Stockpile	Stockpile Composite	<4.9	<10	<0.049	<0.097



APPENDIX A

FIELD NOTES

SUBJECT LC Kelly #7

PROJECT

PAGE 1 of 3

CLIENT EPCO

DATE 12/3/13

BY SJM

CHECKED

* Lab sample collected

RP = Release Point

- S. mostal on site @ 1400

- Perform Tailgate Safety, review EPCO Safe work permit, LOTO.

Collect soil samples from excavation underground (Approx 30L x 10W x 8'D)

Location	Time	PID	Comments
* SC-1	1415	18.2	E. Base @ 23' (old staining)
SC-2	1416	49.2	N. Base @ 28'
* SC-3	1417	9.4	S. Base @ 28'
* SC-4	1418	8.7	West base @ 26'
SC-5	1435	11.9	Pothole - N. of pipeline ~40' from R.P.
* SC-6	1444	5.0	N wall @ 5'
* SC-7	1447	82.6	Base (9') beneath R.P.
SC-8 @ 1'	1458	189.8	
2'	1501	33.9	
3'	1503	8.1	
4'	1506	82.5	
5'	1518	51.6	
6'	1526	42.4	
7'	1536	40.4	
8'	1539	29.2	
9'	1541	27.6	
10'	1543	5.6	
Time PID			
* S. Stockpile E. comp	1630	29.5	
* S. Stockpile W. comp	1632	85.3	
* N. Stockpile E. comp	1640	20.4	
* N. Stockpile W. comp	1642	65.7	
SC-9	1555	7.2	W. Base @ 6'
SC-10	1557	12.3	W. Base @ 6'

SUBJECT LC Kelly #2

PROJECT

PAGE 2 of 3

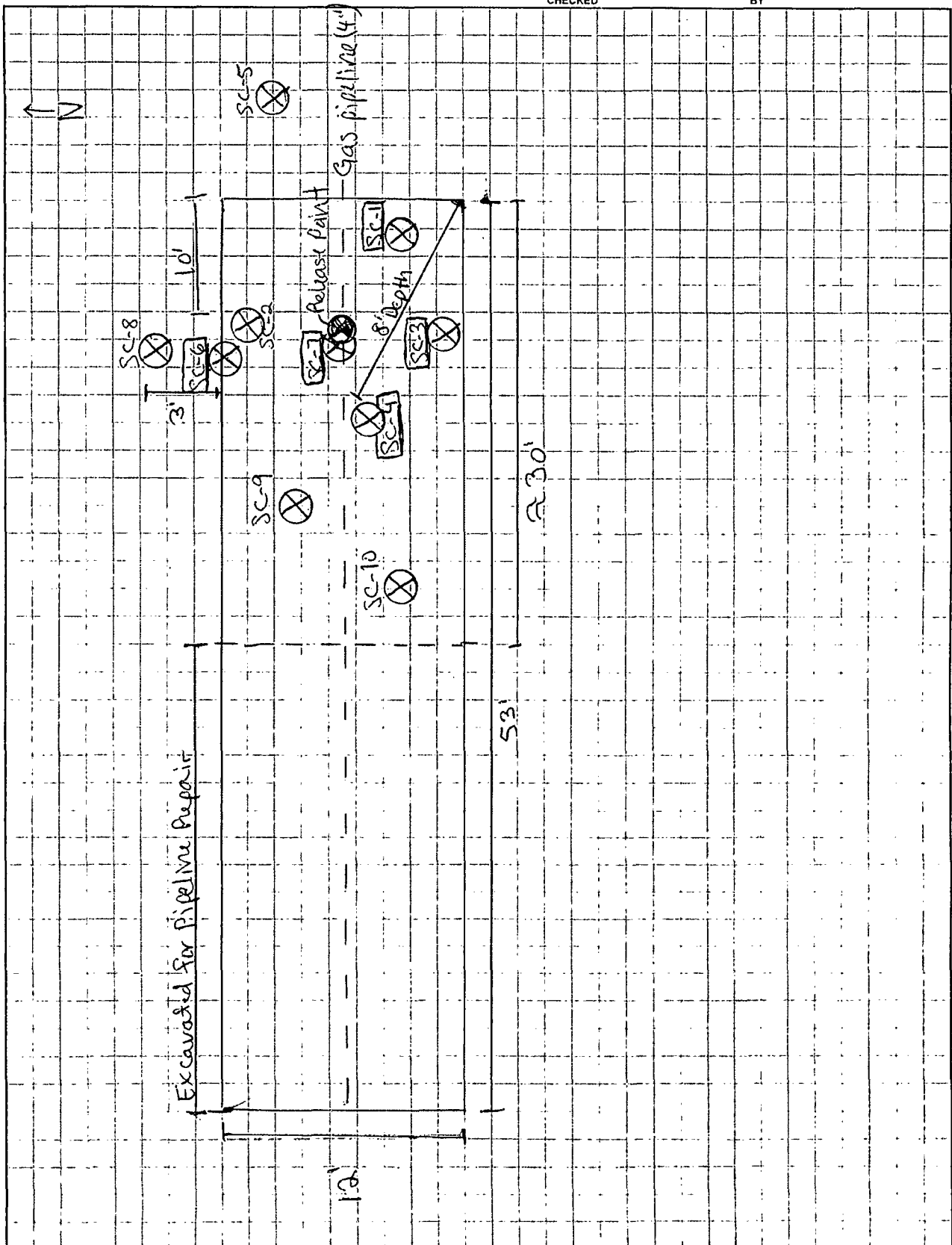
CLIENT EPCO

DATE 12/3/13

BY SJM

CHECKED

BY



SUBJECT LC Kelly #7

PROJECT

PAGE 3 of 3

CLIENT EPC6

DATE 12/3/12

BY SJM

CHECKED

BY

- S. Moskal spoke w/ Steve Guiterrez that the Eastern half of the North and South Stockpiles are not to be used for the backfill of the excavation.

It is ok to use the western half of each Stockpile for backfill.

Approximately 80 cu yards is to be exported for disposal. Clean fill is to be hauled in for backfill.

- Sign out, remove LOTO

- Off site @ 1730

APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products L.C. Kelly #7 Pipeline Release

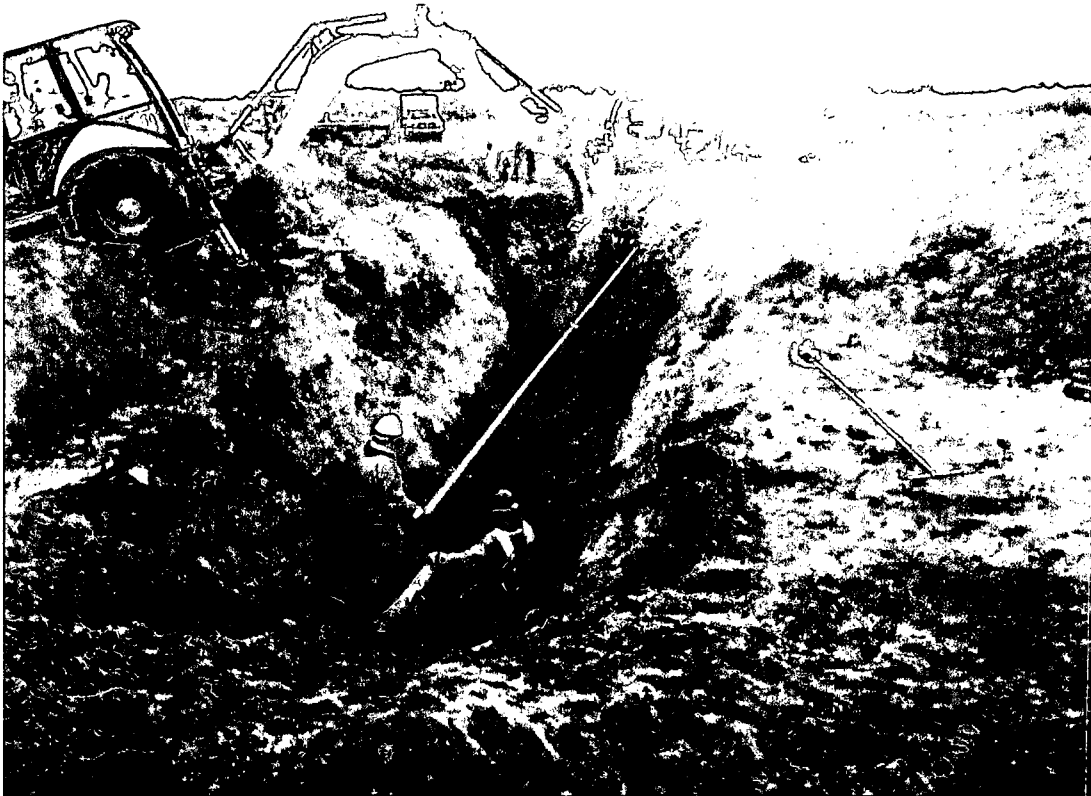


Photo 1: View of the pipeline and excavation of the release; extended repair excavation in background.

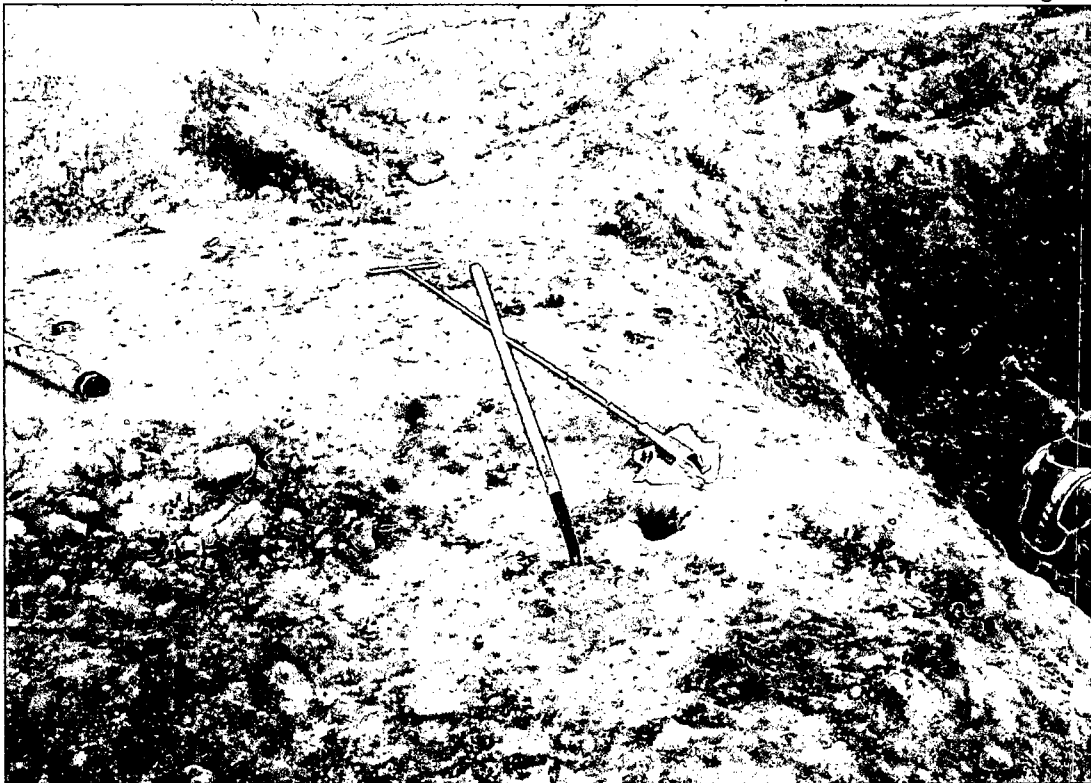


Photo 2: View of the total depth (10') of hand auger delineation for the release.

APPENDIX C
SOIL DISPOSAL DOCUMENTATION

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-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401		AFE#A13498	
2. Originating Site: LC Kelly #7 Pipeline Leak			
3. Location of Material (Street Address, City, State or ULSTR): Unit L Sec 4 T 30 N R 12 W, San Juan County, NM; 36.839055, -108.110393			
4. Source and Description of Waste: Source: Natural Gas Gather Line Description: Natural Gas Liquids (Condensate and Water) released from a gathering line Estimated Volume 100 (yd ³) bbls Known Volume (to be entered by the operator at the end of the haul) 30 (yd ³) bbls 40 day vs			
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS			
I, Thomas Long <i>Thomas Long</i> , representative or authorized agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)			
<input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not m exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load non-			
<input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for wa characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 C subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-ha the appropriate items) 261,			
<input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description ())			
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS			
I, Thomas Long <i>Thomas Long</i> , representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification.			
I, <i>[Signature]</i> , representative for <u>IEL, Inc.</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and th have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.			
5. Transporter: To Be Determined			

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: #49 CR 2150 Aztec, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED (Must Be Maintained As Permanent Record)**

PRINT NAME: L. Machado
SIGNATURE: *[Signature]*
Surface Waste Management Facility Authorized Agent

TITLE: Land Farm Administrator
TELEPHONE NO.: 505-632-1782

DATE: 12-4-13

*CL-2128
Ph-8*

APPENDIX D
LABORATORY ANALYTICAL REPORTS



*Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com*

December 11, 2013

Steve Moskal
Souder, Miller and Associates
2101 San Juan Boulevard
Farmington, NM 87401
TEL:
FAX

RE: LC Kelly #7

OrderNo.: 1312227

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/5/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-1**Project:** LC Kelly #7**Collection Date:** 12/3/2013 2:15:00 PM**Lab ID:** 1312227-001**Matrix:** SOIL**Received Date:** 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/6/2013 3:39:44 PM
Surr: DNOP	92.0	66-131		%REC	1	12/6/2013 3:39:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2013 2:03:16 PM
Surr: BFB	85.0	74.5-129		%REC	1	12/9/2013 2:03:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/9/2013 2:03:16 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2013 2:03:16 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2013 2:03:16 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2013 2:03:16 PM
Surr: 4-Bromofluorobenzene	94.4	80-120		%REC	1	12/9/2013 2:03:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-3**Project:** LC Kelly #7**Collection Date:** 12/3/2013 2:17:00 PM**Lab ID:** 1312227-002**Matrix:** SOIL**Received Date:** 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	30	10		mg/Kg	1	12/6/2013 4:01:28 PM
Surr: DNOP	90.3	66-131		%REC	1	12/6/2013 4:01:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2013 3:29:23 PM
Surr: BFB	95.4	74.5-129		%REC	1	12/9/2013 3:29:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/9/2013 3:29:23 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2013 3:29:23 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2013 3:29:23 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2013 3:29:23 PM
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	12/9/2013 3:29:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-4

Project: LC Kelly #7

Collection Date: 12/3/2013 2:18:00 PM

Lab ID: 1312227-003

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/6/2013 4:23:14 PM
Surr: DNOP	98.3	66-131		%REC	1	12/6/2013 4:23:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2013 4:55:14 PM
Surr: BFB	86.5	74.5-129		%REC	1	12/9/2013 4:55:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	12/9/2013 4:55:14 PM
Toluene	ND	0.048		mg/Kg	1	12/9/2013 4:55:14 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2013 4:55:14 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2013 4:55:14 PM
Surr: 4-Bromofluorobenzene	97.8	80-120		%REC	1	12/9/2013 4:55:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-6

Project: LC Kelly #7

Collection Date: 12/3/2013 2:45:00 PM

Lab ID: 1312227-004

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/6/2013 4:45:05 PM
Surr: DNOP	93.9	66-131		%REC	1	12/6/2013 4:45:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2013 5:24:00 PM
Surr: BFB	83.6	74.5-129		%REC	1	12/9/2013 5:24:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/9/2013 5:24:00 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2013 5:24:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2013 5:24:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2013 5:24:00 PM
Surr: 4-Bromofluorobenzene	92.8	80-120		%REC	1	12/9/2013 5:24:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-7**Project:** LC Kelly #7**Collection Date:** 12/3/2013 2:50:00 PM**Lab ID:** 1312227-005**Matrix:** SOIL**Received Date:** 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	12	10		mg/Kg	1	12/6/2013 5:06:52 PM
Surr: DNOP	93.4	66-131		%REC	1	12/6/2013 5:06:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/9/2013 5:52:46 PM
Surr: BFB	88.4	74.5-129		%REC	1	12/9/2013 5:52:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	12/9/2013 5:52:46 PM
Toluene	ND	0.050		mg/Kg	1	12/9/2013 5:52:46 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/9/2013 5:52:46 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/9/2013 5:52:46 PM
Surr: 4-Bromofluorobenzene	97.4	80-120		%REC	1	12/9/2013 5:52:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

CLIENT: Souder, Miller and Associates

Client Sample ID: SW Stockpile

Project: LC Kelly #7

Collection Date: 12/3/2013 3:50:00 PM

Lab ID: 1312227-006

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	20	10		mg/Kg	1	12/6/2013 5:28:39 PM
Surr: DNOP	91.7	66-131		%REC	1	12/6/2013 5:28:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2013 6:21:27 PM
Surr: BFB	91.9	74.5-129		%REC	1	12/9/2013 6:21:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/9/2013 6:21:27 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2013 6:21:27 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2013 6:21:27 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2013 6:21:27 PM
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	1	12/9/2013 6:21:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312227

Date Reported: 12/11/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** NW Stockpile**Project:** LC Kelly #7**Collection Date:** 12/3/2013 3:52:00 PM**Lab ID:** 1312227-007**Matrix:** SOIL**Received Date:** 12/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/6/2013 6:07:13 PM
Surr: DNOP	92.6	66-131		%REC	1	12/6/2013 6:07:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2013 6:50:07 PM
Surr: BFB	89.9	74.5-129		%REC	1	12/9/2013 6:50:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/9/2013 6:50:07 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2013 6:50:07 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2013 6:50:07 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2013 6:50:07 PM
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	12/9/2013 6:50:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312227

11-Dec-13

Client: Souder, Miller and Associates

Project: LC Kelly #7

Sample ID	MB-10666	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10666	RunNo:	15280					
Prep Date:	12/5/2013	Analysis Date:	12/6/2013	SeqNo:	440799	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.8		10.00		97.5	66	131			

Sample ID	LCS-10666	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10666	RunNo:	15280					
Prep Date:	12/5/2013	Analysis Date:	12/6/2013	SeqNo:	440800	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	54	10	50.00	0	108	62.1	127			
Surr: DNOP	5.4		5.000		107	66	131			

Sample ID	1312218-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	10666	RunNo:	15280					
Prep Date:	12/5/2013	Analysis Date:	12/6/2013	SeqNo:	440849	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	60	10	50.20	15.07	89.9	47.4	148			
Surr: DNOP	5.3		5.020		106	66	131			

Sample ID	1312218-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	10666	RunNo:	15280					
Prep Date:	12/5/2013	Analysis Date:	12/6/2013	SeqNo:	440851	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	61	10	50.51	15.07	91.6	47.4	148	1.88	22.7	
Surr: DNOP	5.4		5.051		107	66	131	0	0	

Sample ID	1312251-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	10681	RunNo:	15280					
Prep Date:	12/6/2013	Analysis Date:	12/6/2013	SeqNo:	441317	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: DNOP	5.2		4.975		105	66	131			
------------	-----	--	-------	--	-----	----	-----	--	--	--

Sample ID	1312251-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	10681	RunNo:	15280					
Prep Date:	12/6/2013	Analysis Date:	12/6/2013	SeqNo:	441318	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: DNOP	5.1		4.980		102	66	131	0	0	
------------	-----	--	-------	--	-----	----	-----	---	---	--

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312227

11-Dec-13

Client: Souder, Miller and Associates

Project: LC Kelly #7

Sample ID	MB-10681	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10681	RunNo:	15280					
Prep Date:	12/6/2013	Analysis Date:	12/6/2013	SeqNo:	441319	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.5	66	131			

Sample ID	LCS-10681	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10681	RunNo:	15280					
Prep Date:	12/6/2013	Analysis Date:	12/6/2013	SeqNo:	441320	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		109	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312227

11-Dec-13

Client: Souder, Miller and Associates

Project: LC Kelly #7

Sample ID	MB-10680	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	10680	RunNo:	15354					
Prep Date:	12/6/2013	Analysis Date:	12/9/2013	SeqNo:	442580	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.5	74.5	129			

Sample ID	LCS-10680	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	10680	RunNo:	15354					
Prep Date:	12/6/2013	Analysis Date:	12/9/2013	SeqNo:	442581	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	74.5	126			
Surr: BFB	940		1000		94.1	74.5	129			

Sample ID	1312227-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	10680	RunNo:	15354					
Prep Date:	12/6/2013	Analysis Date:	12/9/2013	SeqNo:	442585	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.53	0	108	76	156			
Surr: BFB	930		981.4		94.3	74.5	129			

Sample ID	1312227-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-1	Batch ID:	10680	RunNo:	15354					
Prep Date:	12/6/2013	Analysis Date:	12/9/2013	SeqNo:	442586	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.51	0	105	76	156	3.11	17.7	
Surr: BFB	940		980.4		95.9	74.5	129	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312227

11-Dec-13

Client: Souder, Miller and Associates

Project: LC Kelly #7

Sample ID	MB-10680		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS		Batch ID:	10680		RunNo:	15354				
Prep Date:	12/6/2013		Analysis Date:	12/9/2013		SeqNo:	442607		Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120				

Sample ID	LCS-10680		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 10680		RunNo: 15354					
Prep Date:	12/6/2013		Analysis Date: 12/9/2013		SeqNo: 442608		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	1312227-002AMS		SampType: MS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SC-3		Batch ID: 10680		RunNo: 15354					
Prep Date:	12/6/2013		Analysis Date: 12/9/2013		SeqNo: 442613		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.049	0.9852	0.007549	99.9	67.3	145			
Toluene	1.0	0.049	0.9852	0.02563	103	66.8	144			
Ethylbenzene	1.1	0.049	0.9852	0.01321	106	61.9	153			
Xylenes, Total	3.2	0.099	2.956	0.09173	104	65.8	149			
Surr: 4-Bromofluorobenzene	1.0		0.9852		104	80	120			

Sample ID	1312227-002AMSD		SampType: MSD		TestCode: EPA Method 8021B: Volatiles					
Client ID:	SC-3		Batch ID: 10680		RunNo: 15354					
Prep Date:	12/6/2013		Analysis Date: 12/9/2013		SeqNo: 442614		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.049	0.9823	0.007549	104	67.3	145	3.61	20	
Toluene	1.1	0.049	0.9823	0.02563	105	66.8	144	2.15	20	
Ethylbenzene	1.1	0.049	0.9823	0.01321	109	61.9	153	2.67	20	
Xylenes, Total	3.2	0.098	2.947	0.09173	107	65.8	149	2.71	20	
Surr: 4-Bromofluorobenzene	1.0		0.9823		102	80	120	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1312227

RcptNo: 1

Received by/date:

[Signature]

12/05/13

Logged By:

Ashley Gallegos

12/5/2013 10:00:00 AM

[Signature]

Completed By:

Ashley Gallegos

12/5/2013 4:00:51 PM

[Signature]

Reviewed By:

IO

12/06/2013

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

District I
1625 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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office
in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Santa Rosa 4#1	Facility Type: Natural Gas Gathering Line

OIL CONS. DIV. DIST. 3

Surface Owner: Private	Mineral Owner: BLM	API No. JUL 25 2014
------------------------	--------------------	---------------------

LOCATION OF RELEASE

Unit Letter A	Section 4	Township 29N	Range 9W	Feet from the 640	North South Line	Feet from the 802	East West Line	County San Juan
------------------	--------------	-----------------	-------------	-------------------------	---------------------	-------------------------	-------------------	--------------------

Latitude 36.759124 Longitude -107.779142

NATURE OF RELEASE

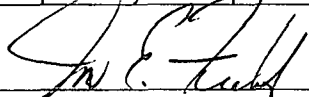
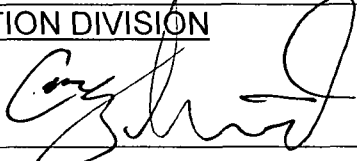
Type of Release: Natural Gas	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Suspected internal corrosion	Date and Hour of Occurrence: 7/9/2014 @ 2:30 p.m.	Date and Hour of Discovery: 7/9/2014 @ 3:19 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Notification to NMOCD - Cory Smith,	
By Whom? Thomas Long	Date and Hour Notification 7/9/2014 @ 5:15 p.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse: There were no fluids observed on the ground surface within the dry wash.	

If a Watercourse was Impacted, Describe Fully. * There were no fluids observed on the ground surface within the dry wash.

Describe Cause of Problem and Remedial Action: On July 9, 2014, Enterprise personnel responded to a possible line leak on the Santa Rosa 4 #1 Enterprise technician verified the leak and initiated notification procedures. The line was isolated, blown down, depressurized and lock out tag out was applied. There were no fluids observed on the ground surface.

Describe Area Affected and Cleanup Action Taken: On July 9, 2014, Enterprise personnel responded to a possible line leak on the Santa Rosa 4 #1 Enterprise technician verified the leak and initiated notification procedures. The line was isolated, blown down, depressurized and lock out tag out was applied. There were no fluids observed on the ground surface. The excavation and repairs of pipeline are being scheduled. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Director, Field Environmental	Approval Date: 7/25/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/21/14	Phone: (713)381-6684	

* Attach Additional Sheets If Necessary

#NCS 1420 656153

403