

3R-1011

**Release Report/ General
Correspondence**

Enterprise SJ

Date: Jan-Mar 2013

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

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report

Updated Report

Name of Company Enterprise Field Services, LLC	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Bolin A #1 Meter Run Location	Facility Type Natural Gas Meter Run Location

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

LOCATION OF RELEASE

Unit Letter M	Section 34	Township 29N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
---------------	------------	--------------	----------	---------------	------------------	---------------	----------------	-----------------

Latitude _N36.6778_ Longitude _W107.6692_ (Decimal Degrees)___

NATURE OF RELEASE

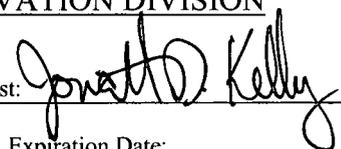
Type of Release Natural gas vapor and liquid	Volume of Release 235 MCF estimated gas loss; 2 barrels condensate/water mix	Volume Recovered 3 yards of stained soil removed from location
Source of Release Natural gas well location meter run	Date and Hour of Occurrence 12.11.2012 @ 04:00 hours (estimated)	Date and Hour of Discovery 12.11.2012 @ 14:30 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD JAN 22 '13	
By Whom?	Date and Hour	OIL CONSERV. DIV.
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Enterprise measurement department was notified by foreign operator of gas leak and stained soil at the Bolin A #1 MC #70231. Measurement dept. notified area Tech to respond. Upon arrival, Enterprise Tech shut in meter tube and applied lock out tag out (LOTO). He discovered that the Orifice flange had frozen and was leaking. Employee replaced gaskets and placed meter tube back in service.

Describe Area Affected and Cleanup Action Taken.*
Affected area of stained soil was estimated at approximately 10feet X 30feet X 1-12 inches deep. Cleanup using dig and haul techniques occurred on 12/13/2012. Third party environmental contractor provided cleanup guidance and confirmation sampling of the impacted soil area that was cleaned. Please find the corrective action report attached to this c-141 form; subsequent sampling will occur in 6 months to confirm that the area has been remediated to OCD standards.

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: Matt Marra	Approved by Environmental Specialist: 	
Title: Senior Director, Environmental & Technical Services	Approval Date: 4/4/2013	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval: Additional sampling required to verify impacts are below closure standard.	Attached <input type="checkbox"/>
Date: 1-15-2013 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

NJK1323838831

(21)

RELEASE REPORT

BOLIN A #1

**SAN JUAN COUNTY,
NEW MEXICO**

January 3, 2013

SMA #5122104

Submitted To:

New Mexico Environment Department
Oil Conservation Division – Dist. 3
1000 Rio Brazos Rd
Aztec, NM 87410

Submitted By:

Souder, Miller & Associates
2101 San Juan Boulevard
Farmington, NM 87401
(505)325-7535

RCVD MAR 18 '13
OIL CONS. DIV.
DIST. 3



Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		USGS Topo Maps; Google Earth	Release is approximately 360 feet in elevation above Jasis Wash
50' to 99' = 10			
>100' = 0	0		
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		USGS Topo Maps; Google Earth	Release is located approximately 4,000 east of Jasis 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 well in Sections 10, 32 or 34
	0		
Total Site Ranking	0		
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

RELEASE INFORMATION			
Name	Bolin A #1		
Release Location	Latitude = 36.67788	Longitude = -107.6693	
	SW 1/4 SW 1/4 Section 34	Township 29N	Range 8 W
	San Juan County		
Date Reported	December 13, 2012		
Reported by	Aaron Dailey		
Land Owner	BLM		
Regulatory Authority	NMOCD		
Reported to	NMOCD		
Enterprise Representative	Dwayne Dixon		
Source of Release	Rupture due to frozen meter tube.		
Release Contents	Condensate/Natural Gas Liquids		
Release Volume	Approximately 100 gallons		
Nearest Waterway	Jasis Wash approximately 3070' to the southwest		
SMA Response Date(s)	December 13, 2012		
Sub-contractor(s)	Southwest Field Services		
Soil Disposal Facility	Industrial Ecosystems Inc.: JFJ Landfarm		
Total Cubic Yards Removed	Approximately 3 Cubic Yards		
RELEASE RESPONSE SUMMARY			
<p>Response Activities: On December 13, 2012, Souder, Miller & Associates (SMA) responded to a release at the Bolin A #1 well site. The release was caused from a frozen meter tube that had ruptured. Southwest Field Services was contracted to excavate the impacted soil with hand shovels and wheel barrows. The surface stained area measured approximately 35' X 20'. Surface stained soils were excavated to depths between 4" and 10". The subsurface demonstrated refusal of hand tools at 10" below ground surface. Soil samples were collected at random locations at approximately 6" depths and field screened using a calibrated photo ionization detection (PID). Once the majority of the stained surface soil had been excavated two composite samples were collected at random locations in the eastern and western portions of the excavation. The excavated area was then backfilled with clean fill dirt imported from an off site facility. Approximately 3 cubic yards of hydrocarbon contaminated soil were transported by Southwest Field Services to Envirotech Landfarm near Bloomfield, New Mexico for proper disposal. Bills of Lading are included as an attachment.</p>			
<p>Laboratory analysis: All soil samples were analyzed per United States Environmental Protection Agency (USEPA) Methods 8021 Benzene, Toluene, Ethyl-Benzene, and Xylenes (BTEX) and 8015 Gasoline Range Organics/Diesel Range Organics. Laboratory results indicated that all soil samples collected are above regulatory standards for contaminants of concern. Laboratory sample locations are illustrated in Figure 2 and are presented in the attached table. Laboratory analytical reports are included as an attachment.</p>			
<p>Recommendation: Due to the refusal of hand tools at 10" below ground surface and the excavation and disposal of the most highly contaminated soil, Enterprise Field Services proposes natural attenuation with follow up sampling in six months. If laboratory results demonstrate lower concentrations than current results, verifying natural attenuation is occurring, Enterprise will propose site closure.</p>			



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
12/13/2012	11:45	SC-1 @6"	0.5	17000.0	550.0	67.0	2087.0
12/13/2012	11:57	SC-2 @ 6"	0.5	3000.0	1800.0	8.8	313.8



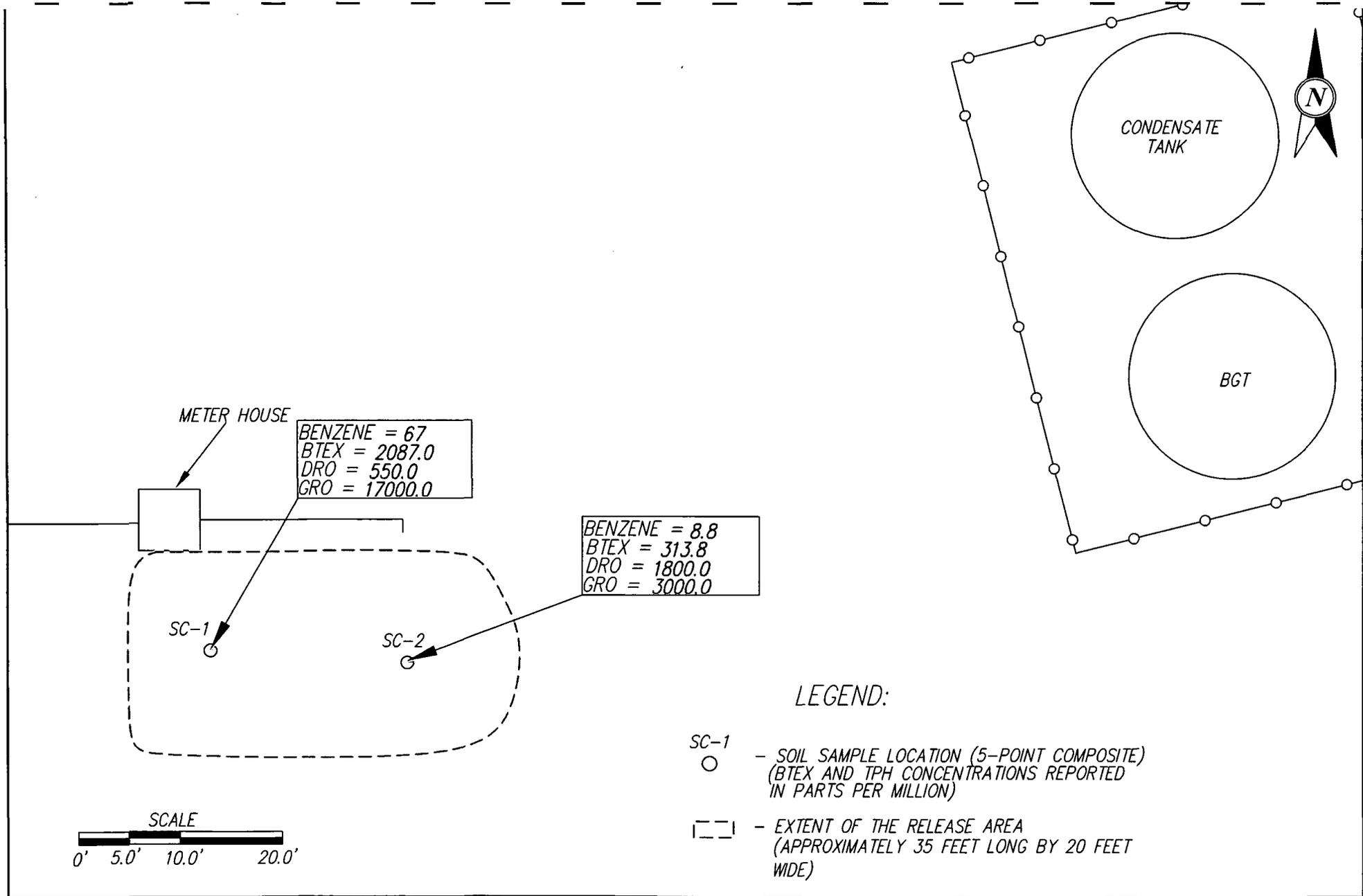
SCALE



2101 SAN JUAN BLVD
 FARMINGTON, NM 87401
 FAX (505) 327-1496
 PH. (505) 325-6667

APPROVED: RSA	DATE: 12/19/2012
DRAWN BY: TLONG	DATE: 12/19/2012
REVISIONS BY: SJM	DATE: 1/3/13
PROJECT # 5122104	FIGURE: 1

VICINITY MAP
 BOLIN A#1 WELL SITE
 SW 1/4 SW 1/4 SECTION 34 T29N R8W
 SAN JUAN COUNTY, NEW MEXICO



2101 SAN JUAN BLVD
FARMINGTON, NM 87401

FAX (505) 327-1496
PH. (505) 325-5667

APPROVED: RSA

DRAWN BY: TLONG

REVISIONS BY: SJM

PROJECT # 5122104

DATE: 12/19/12

DATE: 12/19/12

DATE: 1/2/13

FIGURE: 2

SITE MAP AND SOIL CONTAMINANT
CONCENTRATION MAP
BOLIN A #1 WELL SITE

SW 1/4 SW 1/4 SECTION 34 T29N R8W
SAN JUAN COUNTY, NEW MEXICO

Site Photographs
Enterprise Products Bolin A #1 Release Site

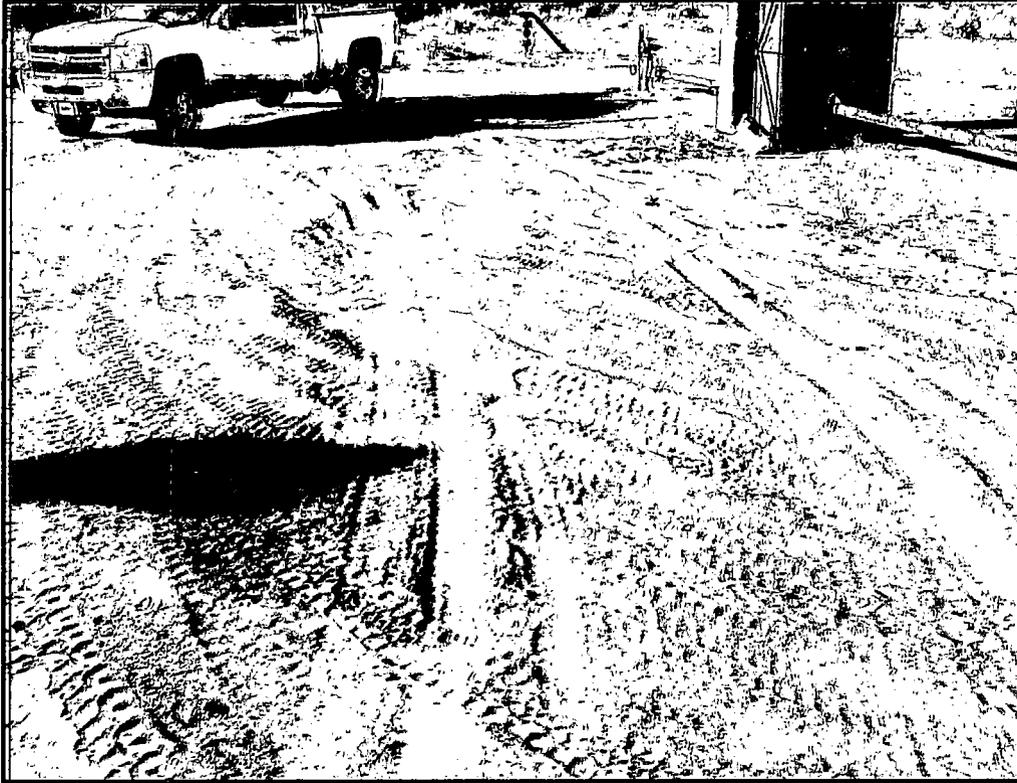


Photo 1: Extent of the release from the meter house, facing south.

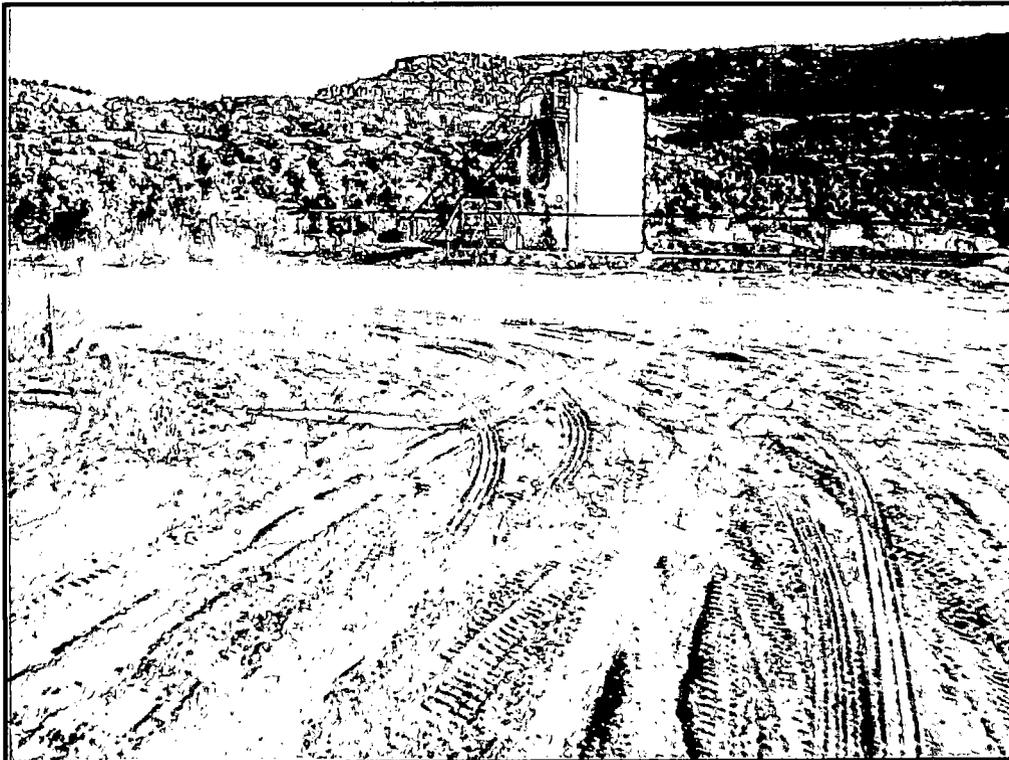


Photo 2: Extent of the release from the meter house, facing north.

Site Photographs
Enterprise Products Bolin A #1 Release Site

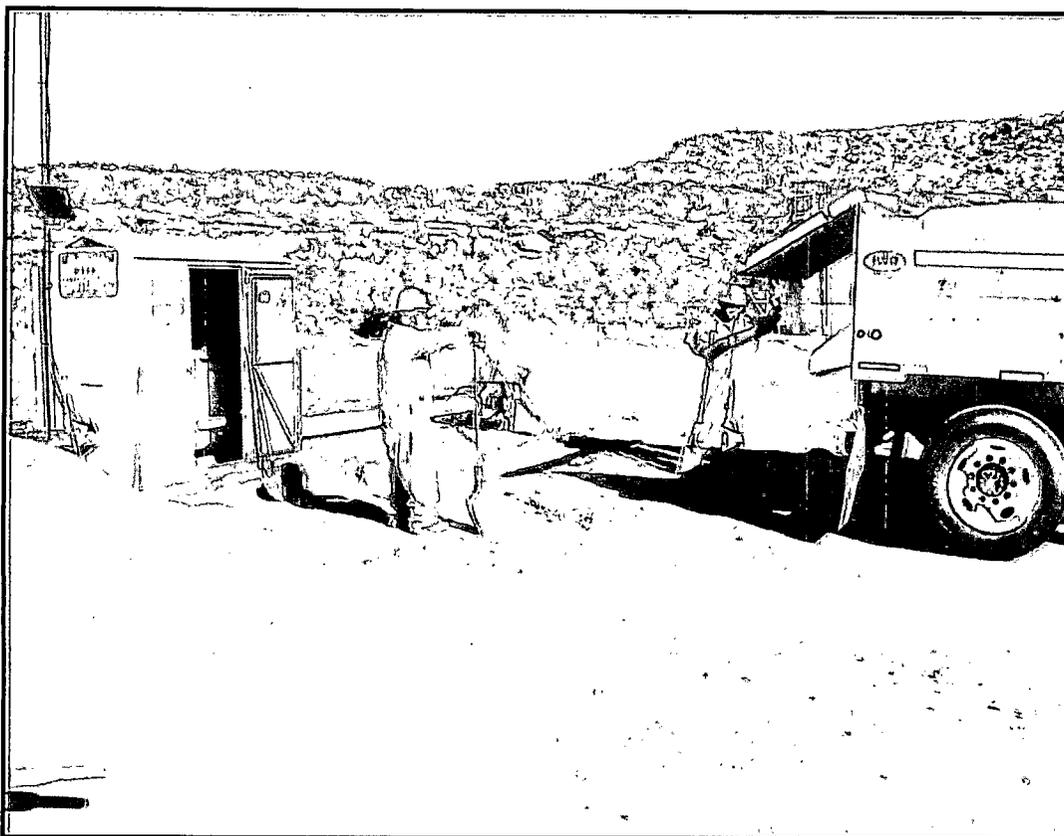


Photo 3: View of the excavation activities for the Bolin A #1 well site.



Photo 4: View of the maximum depth of the excavation at the meter house of the Bolin A #1 well site.

Site Photographs
Enterprise Products Bolin A #1 Release Site

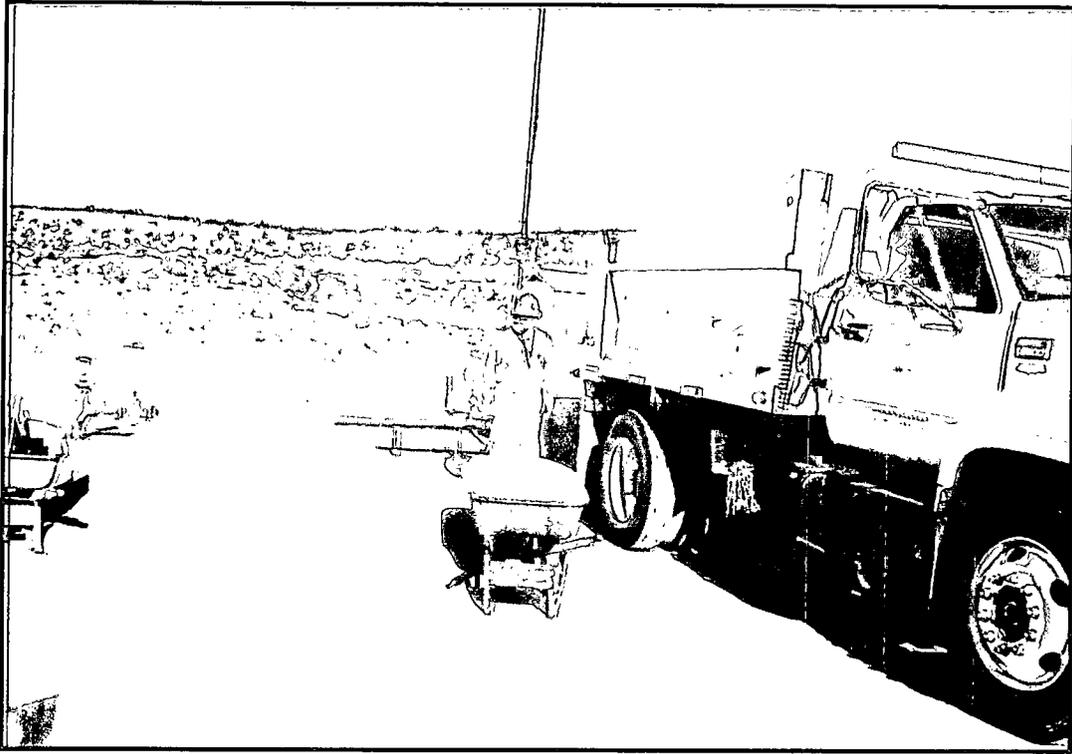


Photo 5: View of clean, imported backfill material for the Bolin A #1 well site.

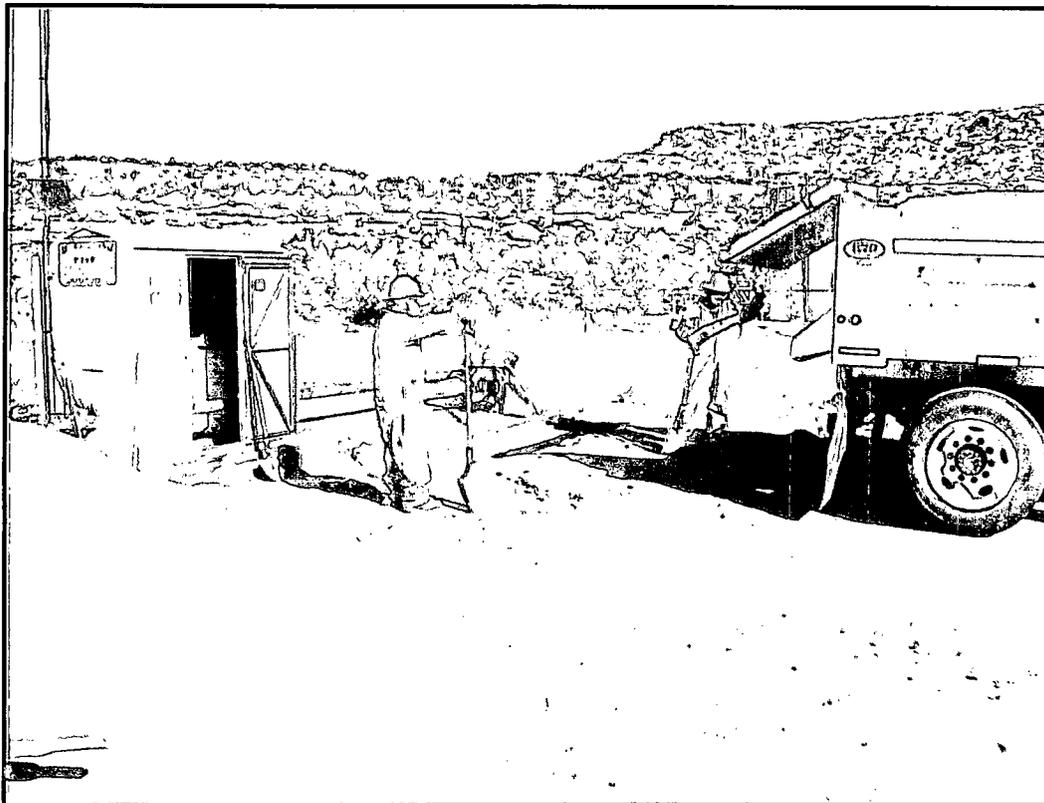
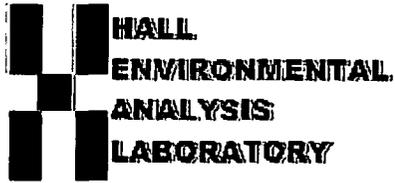


Photo 6: Continued excavation illustrating the extent of digging.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 26, 2012

Steve Moskal

Souder, Miller and Associates
2101 San Juan Boulevard
Farmington, NM 87401
TEL: (505) 325-5667
FAX (505) 327-1496

RE: Enterprise Bolin A #1

OrderNo.: 1212666

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/14/2012 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1212666

Date Reported: 12/26/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-1 @ 6"**Project:** Enterprise Bolin A #1**Collection Date:** 12/13/2012 11:45:00 AM**Lab ID:** 1212666-001**Matrix:** SOIL**Received Date:** 12/14/2012 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	550	10		mg/Kg	1	12/20/2012 5:56:00 PM
Surr: DNOP	91.5	72.4-120		%REC	1	12/20/2012 5:56:00 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	17000	2400		mg/Kg	500	12/19/2012 4:38:26 PM
Surr: BFB	123	84-116	S	%REC	500	12/19/2012 4:38:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	67	2.4		mg/Kg	50	12/18/2012 11:09:42 PM
Toluene	820	24		mg/Kg	500	12/19/2012 4:38:26 PM
Ethylbenzene	100	2.4		mg/Kg	50	12/18/2012 11:09:42 PM
Xylenes, Total	1100	48		mg/Kg	500	12/19/2012 4:38:26 PM
Surr: 4-Bromofluorobenzene	107	80-120		%REC	500	12/19/2012 4:38:26 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Analytical Report

Lab Order 1212666

Date Reported: 12/26/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-2 @ 6"

Project: Enterprise Bolin A #1

Collection Date: 12/13/2012 11:57:00 AM

Lab ID: 1212666-002

Matrix: SOIL

Received Date: 12/14/2012 10:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	1800	100		mg/Kg	10	12/21/2012 10:13:28 AM
Surr: DNOP	0	72.4-120	S	%REC	10	12/21/2012 10:13:28 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	3000	240		mg/Kg	50	12/19/2012 5:35:59 PM
Surr: BFB	180	84-116	S	%REC	50	12/19/2012 5:35:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	8.8	2.4		mg/Kg	50	12/19/2012 5:35:59 PM
Toluene	110	2.4		mg/Kg	50	12/19/2012 5:35:59 PM
Ethylbenzene	15	2.4		mg/Kg	50	12/19/2012 5:35:59 PM
Xylenes, Total	180	4.9		mg/Kg	50	12/19/2012 5:35:59 PM
Surr: 4-Bromofluorobenzene	109	80-120		%REC	50	12/19/2012 5:35:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212666

26-Dec-12

Client: Souder, Miller and Associates

Project: Enterprise Bolin A #1

Sample ID	LCS-5298	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	5298	RunNo:	7594					
Prep Date:	12/17/2012	Analysis Date:	12/19/2012	SeqNo:	220944	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.0	47.4	122			
Surr: DNOP	4.0		5.000		80.4	72.4	120			

Sample ID	MB-5298	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	5298	RunNo:	7594					
Prep Date:	12/17/2012	Analysis Date:	12/19/2012	SeqNo:	220945	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	9.3		10.00		93.2	72.4	120			

Sample ID	MB-5349	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	5349	RunNo:	7616					
Prep Date:	12/19/2012	Analysis Date:	12/20/2012	SeqNo:	222041	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.4		10.00		84.0	72.4	120			

Sample ID	LCS-5349	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	5349	RunNo:	7616					
Prep Date:	12/19/2012	Analysis Date:	12/20/2012	SeqNo:	222042	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		75.4	72.4	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212666

26-Dec-12

Client: Souder, Miller and Associates

Project: Enterprise Bolin A #1

Sample ID	MB-5281	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	5281	RunNo:	7586					
Prep Date:	12/14/2012	Analysis Date:	12/18/2012	SeqNo:	220201	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	930		1000		92.6	84	116			

Sample ID	LCS-5281	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	5281	RunNo:	7586					
Prep Date:	12/14/2012	Analysis Date:	12/18/2012	SeqNo:	220202	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.7	74	117			
Surr: BFB	960		1000		96.0	84	116			

Sample ID	MB-5330	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	5330	RunNo:	7599					
Prep Date:	12/18/2012	Analysis Date:	12/20/2012	SeqNo:	221175	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		92.7	84	116			

Sample ID	LCS-5330	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	5330	RunNo:	7599					
Prep Date:	12/18/2012	Analysis Date:	12/20/2012	SeqNo:	221176	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		94.8	84	116			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1212666
 26-Dec-12

Client: Souder, Miller and Associates
Project: Enterprise Bolin A #1

Sample ID MB-5281	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 5281		RunNo: 7586							
Prep Date: 12/14/2012	Analysis Date: 12/18/2012		SeqNo: 220237				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	1.0		1.000		104	80	120			

Sample ID LCS-5281	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 5281		RunNo: 7586							
Prep Date: 12/14/2012	Analysis Date: 12/18/2012		SeqNo: 220238				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	102	76.3	117			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	77	116			
Xylenes, Total	3.0	0.10	3.000	0	101	76.7	117			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID MB-5330	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 5330		RunNo: 7599							
Prep Date: 12/18/2012	Analysis Date: 12/20/2012		SeqNo: 221204				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID LCS-5330	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 5330		RunNo: 7599							
Prep Date: 12/18/2012	Analysis Date: 12/20/2012		SeqNo: 221205				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



4901 Hawkins NE
 Albuquerque, NM 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1212666
 Received by/date: *MG/AT 12/14/12*
 Logged By: Anne Thome 12/14/2012 10:20:00 AM *Anne Thome*
 Completed By: Anne Thome 12/14/2012 *Anne Thome*
 Reviewed By: *[Signature]* 12/14/12

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 15. Is it clear what analyses were requested? Yes No
- 16. 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)

- 17. 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: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			



Invoice Number: 21752
 Invoice Date: Dec 17, 2012
 Page: 1

Industrial Ecosystems Inc.
 P.O. Box 1202
 Flora Vista, NM 87415
 PH: (505) 632-1782 Fax: (505) 632-1876
 TAX I.D. #94-3200034

PLEASE REMIT PAYMENT TO:
 Industrial Ecosystems, Inc.
 PO Box 1202
 Flora Vista, NM 87415

Sold To: ENTERPRISE PRODUCTS
 614 RIELLY AVE.
 FARMINGTON, NM 87401

Location: AARON DAILY
 BOLIN A#1

Contact	Payment Terms	Due Date	Customer PO
AARON DAILY	Net 30 Days	1/16/13	

Quantity	Description	Unit Price	Extension
	DATE OF SERVICE: 12/13/12		
	IEI WO#21948 ✓		
	MATERIAL TRANSPORTED BY SOUTHWEST FIELD SERVICE, 216		
	DISPOSED OF SOIL		
1.00	CHLORIDE TEST	15.00	15.00 ✓
3.00	DISPOSAL PER YARD	18.50	55.50 ✓

FOR BILLING INQUIRIES PLEASE CALL
(505) 632-1782

ACCOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY FINANCE CHARGES OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH. ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES.

Subtotal	70.50 ✓
Sales Tax	4.45
Total Invoice Amount	74.95
TOTAL	74.95



Industrial Ecosystems Inc.

#49 C.R. 3150 • Aztec, NM 87410
 Phone: 505-632-1782 • Fax: 505-632-1876

21948

Unit: 216

Employee: DW Field

Contact: Aaron Daily

Date: 12-13-12

PO#: _____

Customer: Enterprise

Location Name: BDlin A #1

Billing Code: _____

Jicarilla Apache Land Southern Ute Land

LABOR	HRS/UNITS	RATE	TOTAL
Equipment Operator	41000.1	Hours/Day \$	Per hour/day \$
General Laborer	41000.1	Hours \$	Per hour \$
Project Manager	41000.1	Hours \$	Per hour \$
Per Diem	41000.1	Hours \$	Per day/man \$
Travel Time	41000.1	Hours \$	Per hour \$
PSI	41000.1	Hours \$	Per hour \$
Route Survey	41000.1	Hours \$	Per hour \$
EQUIPMENT			
4wd Pickup	42000.1	Miles \$	Per mile \$
12yd Dump Truck	42000.1	Hours \$	Per hour \$
18yd Side Dump	42000.1	Hours \$	Per hour \$
Backhoe with Operator	42000.1	Hours \$	Per hour \$
Loader with Operator	42000.1	Hours \$	Per hour \$
Excavator with Operator	42000.1	Hours \$	Per hour \$
Portable Pressure Wash	42000.1	Hours/Day \$	Per hour/day \$
Portable Pres. Wash Unit	42000.1	Hours \$	Per hour \$
80 Barrel Vacuum Truck	42000.1	Hours \$	Per hour \$
King Vac Truck with Crew	42000.1	Hours \$	Per hour \$
Mileage	42000.1	Miles \$	Per mile \$
SCBA (Breathing Apparatus)	42000.1	Day \$	Per day \$
SCBA Refill	42000.1	Each \$	Per Refill \$
LEL, O ₂ , H ₂ S Monitoring	42000.1	Day \$	Per day \$
Compressor	42000.1	Hours/Day \$	Per hour/day \$
Air Horn	42000.1	Day \$	Per day \$
Line Locator	42000.1	Day \$	Per day \$
SERVICES			
Chloride Test	45000.2	1 Each \$ 15.00	Per test \$ 15.00
Mobile Dewatering	42100.1	Hours/Day \$	Per hour/day \$
Mob/Demob	42100.1	Hours \$	Per hour \$
Monthly Maintenance	45000.1	Month \$	Per month \$
SUPPLIES			
Soap/Degreaser		Gallons \$	Per gallon \$
Virgin Soil/Gravel	45500.2	Cubic yard \$	Per yard \$
DISPOSAL & MISC.			
Disposal Fee (solids)	44000.2	3 Cubic yard \$ 18.50	Per yard \$ 55.50
Disposal Fee (liquids)	44100.2	Per barrel \$	Per barrel \$
Facility Use Fee	42000.2	Each \$	Each \$

Comments: Soil

Sub Total	70.50
Tax	<u>0.00</u>
Total	70.50

Employee Signature _____

Customer Signature _____

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

AMOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY FINANCE CHARGES OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH. ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES.

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

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Enterprise Field Services, LLC	Contact: Aaron Dailey
Address: 614 Reilly Ave, Farmington, New Mexico	Telephone No: (505) 599-2286
Facility Name: 6B-12 Pipeline	Facility Type: Natural gas gathering pipeline

Surface Owner: Navajo Tribal/NAPI	Mineral Owner: Navajo Tribal	API No.
-----------------------------------	------------------------------	---------

LOCATION OF RELEASE

Unit Letter P	Section 32	Township 28N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

OIL CONSERVATION DIV DIST. 3

Latitude N 36.6121 Longitude W -108.1267

FEB 19 2013

NATURE OF RELEASE

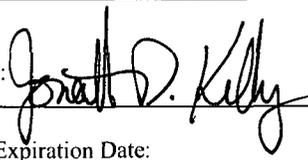
Type of Release: Natural Gas	Volume of Release: Unknown-significant amount of dry gas released over time, nominal amount of liquid	Volume Recovered: TBD
Source of Release: Natural Gas Pipeline Release	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 10/23/2012 @ 15:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Brenette Pine, NAPI safety representative and Steve Austin, NNEPA	
By Whom? Aaron Dailey	Date and Hour: 10/25/2012 @ approximately 09:00 hours	
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.*
No Watercourse Reached.

Describe Cause of Problem and Remedial Action Taken.* On October 23, 2012 a third party operator (BP) identified a pipeline leak. The operator contacted the area supervisor and operations technicians were dispatched and confirmed the operator's findings. The leak was determined to be on Lateral 6B-12. The segment was then isolated the production wells were shut in and the segment of line was take out of service. Repairs are were conducted on October 31, 2012.

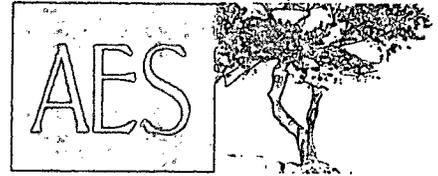
Describe Area Affected and Cleanup Action Taken.* After repairs were made to the pipe, confirmation sampling was conducted of the excavation sidewalls and base. The spoil pile was safely manipulated over a period of one week to enable volatilization of hydrocarbons trapped in the soil to allow for backfill of the same soil that came out of the excavation. Please refer to the third party environmental corrective action report attached to this report form for additional details.

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: Matt Marra	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 9/24/2013	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval:	
Date: 2-12-2012 Phone: (713) 381-6684	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

WJK1326742169
1952
23



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

January 22, 2013

Aaron Dailey
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

**RE: Initial Release Assessment and Mitigation Report
Lateral 6B-12 October 2012 Pipeline Release
SE¼ SE¼, Section 32, T28N, R12W
San Juan County, New Mexico**

**OIL CONS. DIV DIST. 3
FEB 19 2013**

Dear Mr. Dailey:

On October 26 through November 1, 2012, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of natural gas from the Enterprise Field Services, LLC (Enterprise) Lateral 6B-12 pipeline. The release area, which is located on land administered by the Navajo Nation Environmental Protection Agency (NNEPA) approximately 9.5 miles southeast of Farmington, San Juan County, New Mexico, was investigated because of third party observations of an area with stressed vegetation.

1.0 Site Information

1.1 Location

Location - SE¼ SE¼, Section 32, T28N, R12W, San Juan County, New Mexico

Latitude/Longitude - N36.61229 and W108.12669, respectively

Surface Owner – Navajo Agricultural Products Industry (NAPI)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map

1.2 Site Ranking

Navajo Nation does not have codified regulations or guidelines for oil and gas release response protocol. NNEPA has requested that Enterprise follow the release protocol written in the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)*.

In accordance with NMOCD guidelines, the ranking score was obtained in part by reviewing available records of nearby oil/gas wells using the NMOCD online database. A C-144 form dated August 2007 for the Gallegos Canyon Unit #191 well, located approximately 775 feet northwest of the release area, showed the depth to

groundwater as less than 50 feet below ground surface (bgs). Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water wells, and no registered water wells were reported to be located within 1,000 feet of the location.

Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (<http://ford.nmt.edu/react/project.html>) were accessed to aid in the identification of downgradient surface water. The nearest surface water consists of an irrigation canal located approximately 100 feet south of the release location. Based on this information, the release location was assessed a ranking score of 40.

2.0 Release Assessment and Mitigation

2.1 Initial Assessment

On October 26, 2012, AES conducted a release assessment along the Lateral 6B-12 pipeline. AES installed six soil borings to depths of 12 feet bgs and collected soil samples for field screening of volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH), as well as laboratory analysis. Based on the results of the initial assessment, AES recommended source removal of petroleum hydrocarbon contaminated soils above NMOCD action levels. Initial assessment soil sample locations and results are included on Figure 3.

2.2 Mitigation and Confirmation Sampling

On October 31 and November 1, 2012, AES collected soil samples for field screening of VOCs in order to guide the excavation extents and then conducted confirmation sampling of the final excavation, which measured 79 feet by 36 feet by 8 to 12 feet in depth. Additionally, confirmation samples were collected from the soil stockpiled from the excavation in order to confirm whether it could be used as backfill material. Confirmation samples were field screened for VOCs and submitted for laboratory analysis. Excavation details, sample locations, and results are included on Figure 4, and a photograph log is attached.

3.0 Soil Sampling

3.1 Initial Assessment

As part of the initial assessment on October 26, 2012, AES personnel installed six soil borings (SB-1 through SB-6) to a depth of 12 feet bgs and collected soil samples for field screening of VOCs in order to guide the assessment. A total of 42 discrete soil samples were field screened for VOCs. Based on highest VOC field screening results, six of the

samples were field screened for TPH. SB-2 was field screened for TPH at the surface and 10 feet bgs, and SB-3 through SB-6 were field screened at the surface. Additionally, three samples (SB-3, SB-4, and SB-6) were submitted for laboratory analysis in order to provide quality assurance/quality control (QA/QC) of the field screening results.

3.2 Continued Assessment and Confirmation Sampling

During removal of petroleum contaminated soil (PCS) on October 31 and November 1, 2012, AES personnel field screened eight samples for VOC concentrations as excavation guidance and collected six 5-point composite confirmation samples (SC-1 through SC-6) of the sidewalls and base of the excavation for laboratory analysis.

On October 31, 2012, a 5-point composite sample was also collected for laboratory analysis from the excavated soil stockpile (Initial Stockpile) in order to determine if the stockpile could be used as backfill. Based on a slightly elevated concentration of gasoline range organics (GRO), Enterprise opted to landfarm the stockpile on site for two weeks. A 5-point confirmation sample (Final Stockpile) was collected from the stockpiled soil on November 12, 2012, for laboratory analysis. Based on the laboratory results, the stockpile was cleared for use as backfill. Sample locations are presented on Figure 4.

3.3 Field Screening

3.3.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

3.3.2 Total Petroleum Hydrocarbons

During the initial assessment, soil samples were analyzed in the field for TPH per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

3.4 Laboratory Analyses

Soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico.

Soil samples selected for laboratory analysis from the initial assessment (SB-3, SB-4, and SB-6) were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B;
- TPH as GRO and diesel range organics (DRO) per USEPA Method 8015B.

Confirmation samples (SC-1 through SC-6) were laboratory analyzed for:

- TPH as GRO and DRO per USEPA Method 8015B.

Additionally, the soil stockpile samples were laboratory analyzed for:

- BTEX per USEPA Method 8021B/8260B;
- TPH as GRO and DRO per USEPA Method 8015B.

4.0 Field Screening and Laboratory Analytical Results

4.1 Initial Assessment

Soil field screening results from the initial assessment in October 2012 showed that VOC concentrations ranged from 0.0 ppm in SB-4 up to 247 ppm in SB-3. Field TPH concentrations ranged from 32.2 mg/kg in SB-2 up to 300 mg/kg in SB-4.

Laboratory analytical results from the initial assessment reported benzene concentrations ranging from below laboratory detection limits in SB-3 and SB-6 up to 0.072 mg/kg in SB-4. Total BTEX concentrations were above laboratory detection limits in SB-4 (0.072 mg/kg) and SB-6 (0.62 mg/kg). TPH concentrations were reported above laboratory detection limits in SB-3 at 0 feet bgs (34.5 mg/kg), SB-4 at 0 feet bgs (90 mg/kg), and SB-6 at 0 feet bgs (656 mg/kg). An AES field screening report is attached, and laboratory analytical results are included in Table 1 and on Figure 3.

4.2 Confirmation Sampling

Soil field screening results from the continued assessment in October and November 2012 showed that VOC concentrations ranged from 21.6 ppm in SC-1 up to 89.2 ppm in SC-6. Soil analytical results showed that TPH concentrations were below laboratory detection limits in all samples, except for SC-5 with 26 mg/kg GRO and 17 mg/kg DRO.

The soil analytical results for the Initial Stockpile sample collected on October 31, 2012, reported a benzene concentration of 0.096 mg/kg and total BTEX concentration of 3.9 mg/kg. GRO concentrations were reported at 120 mg/kg, and DRO was below

laboratory detection limits. The Final Stockpile sample collected on November 12, 2012, reported concentrations of benzene, total BTEX, and DRO below laboratory detection limits. The GRO concentration in the Final Stockpile was 12 mg/kg. Laboratory analytical results are included in Table 1 and on Figure 4. Laboratory analytical reports are attached.

5.0 Conclusions and Recommendations

In accordance with NNEPA protocols and NMOCD's *Guidelines for Leaks, Spills, and Releases* (August 1993), the release was assigned a ranking score of 40. During the October 2012 assessment, AES personnel observed distressed and dead vegetation surrounding the release area. During the initial assessment, NMOCD field screening action levels for VOCs were exceeded in SB-3 and SB-4, and TPH field screening action levels were exceeded in SB-4. Laboratory QA/QC analytical results for total BTEX were below the action level of 50 mg/kg in each sample; however, TPH exceeded the action level of 100 mg/kg in SB-6 (656 mg/kg). Based on the field screening and laboratory QA/QC analytical results, AES recommended source removal of petroleum hydrocarbon impacted soils above NMOCD action levels.

On October 31 and November 1, 2012, Enterprise contractors completed source removal of petroleum hydrocarbon impacted soils, and AES collected 5-point composite samples from the walls and base of the excavation. Each of the confirmation samples showed VOCs below the field screening action level of 100 ppm; therefore, laboratory analysis for benzene and total BTEX was not required. Laboratory analytical results for TPH as GRO and DRO were also below the NMOCD action level of 100 mg/kg in each confirmation sample.

Soil stockpiled on site during the excavation was landfarmed on site from October 31 through November 12, 2012. A confirmation sample was collected from landfarmed soil, and laboratory analytical results showed benzene, total BTEX, and TPH concentrations (as GRO and DRO) were below NMOCD action levels. Based on these results, the stockpiled soil was utilized as excavation backfill material.

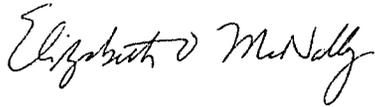
Based on the removal of petroleum hydrocarbon impacted soils, field observations, field screening values, and laboratory analytical results for benzene, total BTEX, and TPH, remaining soils are not impacted above NMOCD action levels within the release area, and no further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Tami Ross or Ross Kennemer at (505) 564-2281.

Sincerely,



Landrea Cupps
Environmental Scientist



Elizabeth McNally, P.E.

Attachments:

- Table 1. Summary of Soil Field Screening and Analytical Results
- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Initial Assessment Sample Locations and Results, October 2012
- Figure 4. Excavation Details, Sample Locations, and Results, October and November 2012
- Photograph Log
- AES Field Screening Report (102612)
- Laboratory Analytical Reports (Hall 1210C55, 1211073, 1211007, and 1211511)

TABLE 1. SUMMARY OF FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS

Lateral 6B-12 October 2012 Pipeline Release

Initial Release Assessment and Mitigation Report

SE¼ SE¼, Section 32, T28N, R12W, San Juan County, New Mexico

Sample ID	Date Sampled	Depth (feet)	OVM Reading (ppm)	Field TPH (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (C6-C10) (mg/kg)	DRO (C10-C22) (mg/kg)
				Analytical Methods		8021B/8260B	8015B	
NMOCD Action Level			100	100	10	50	100	
SB-1	26-Oct-12	0	18.0	NA	NA	NA	NA	NA
		2	5.4	NA	NA	NA	NA	NA
		4	6.7	NA	NA	NA	NA	NA
		6	7.8	NA	NA	NA	NA	NA
		8	6.6	NA	NA	NA	NA	NA
		10	24.6	NA	NA	NA	NA	NA
		12	1.0	NA	NA	NA	NA	NA
SB-2	26-Oct-12	0	78.1	60.3	NA	NA	NA	NA
		2	4.8	NA	NA	NA	NA	NA
		4	4.1	NA	NA	NA	NA	NA
		6	13.4	NA	NA	NA	NA	NA
		8	5.4	NA	NA	NA	NA	NA
		10	17.2	32.2	NA	NA	NA	NA
		12	2.5	NA	NA	NA	NA	NA
SB-3	26-Oct-12	0	247	81.4	<0.050	<0.250	9.5	25
		2	2.5	NA	NA	NA	NA	NA
		4	2.3	NA	NA	NA	NA	NA
		6	1.0	NA	NA	NA	NA	NA

TABLE 1. SUMMARY OF FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS

Lateral 6B-12 October 2012 Pipeline Release

Initial Release Assessment and Mitigation Report

SE¼ SE¼, Section 32, T28N, R12W, San Juan County, New Mexico

Sample ID	Date Sampled	Depth (feet)	OVM Reading (ppm)	Field TPH (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (C6-C10) (mg/kg)	DRO (C10-C22) (mg/kg)
				Analytical Methods		8021B/8260B		8015B
NMOC Action Level			100	100	10	50	100	
SB-3	26-Oct-12	8	2.9	NA	NA	NA	NA	NA
		10	3.4	NA	NA	NA	NA	NA
		12	2.0	NA	NA	NA	NA	NA
SB-4	26-Oct-12	0	133	300	0.072	0.072	15	75
		2	2.3	NA	NA	NA	NA	NA
		4	0.0	NA	NA	NA	NA	NA
		6	4.0	NA	NA	NA	NA	NA
		8	2.6	NA	NA	NA	NA	NA
		10	6.1	NA	NA	NA	NA	NA
		12	0.3	NA	NA	NA	NA	NA
SB-5	26-Oct-12	0	50.3	49.8	NA	NA	NA	NA
		2	8.1	NA	NA	NA	NA	NA
		4	5.8	NA	NA	NA	NA	NA
		6	9.2	NA	NA	NA	NA	NA
		8	12.5	NA	NA	NA	NA	NA
		10	2.2	NA	NA	NA	NA	NA
		12	0.8	NA	NA	NA	NA	NA

TABLE 1. SUMMARY OF FIELD SCREENING AND LABORATORY ANALYTICAL RESULTS

Lateral 6B-12 October 2012 Pipeline Release

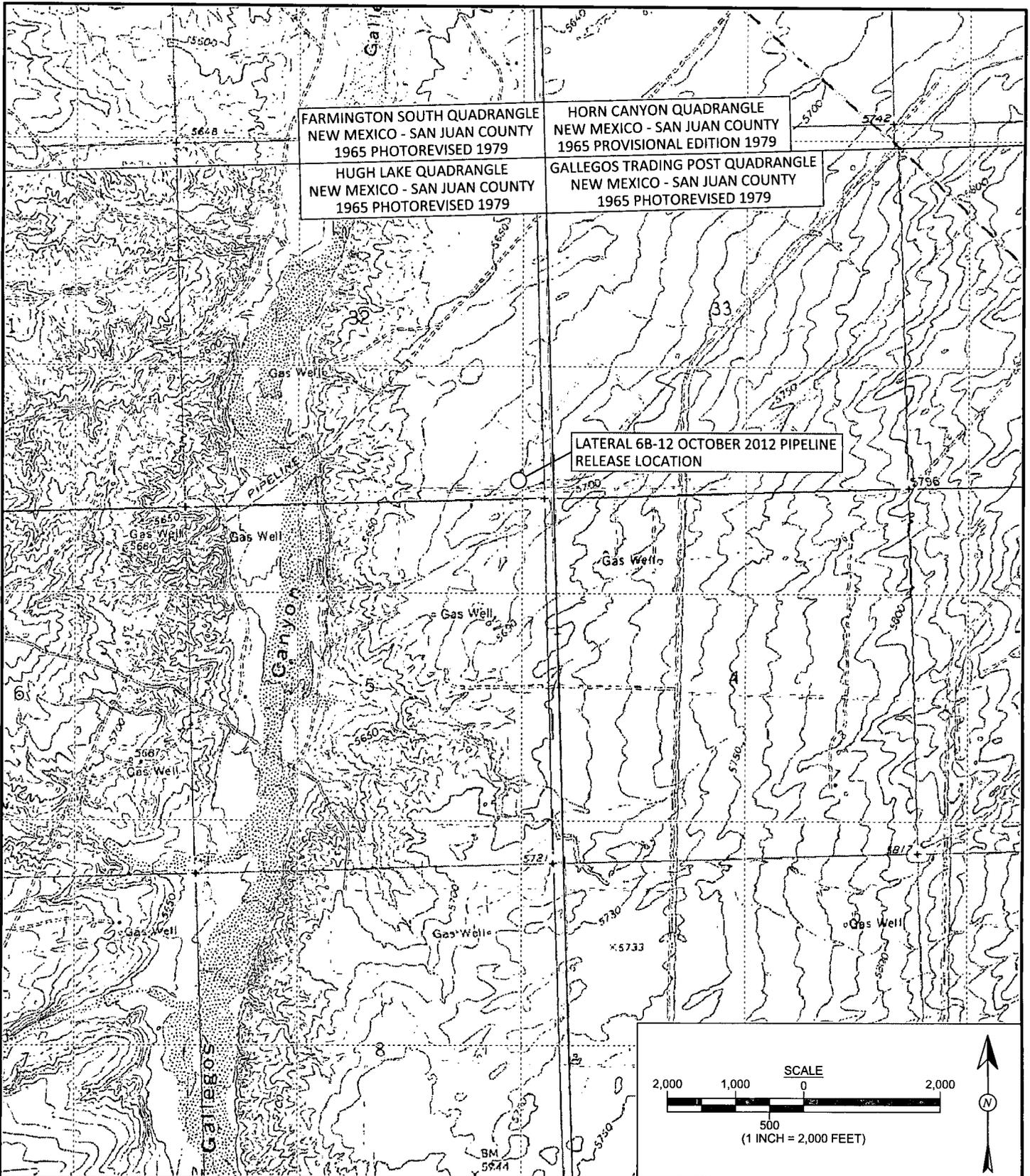
Initial Release Assessment and Mitigation Report

SE¼ SE¼, Section 32, T28N, R12W, San Juan County, New Mexico

Sample ID	Date Sampled	Depth (feet)	OVM Reading (ppm)	Field TPH (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (C6-C10) (mg/kg)	DRO (C10-C22) (mg/kg)
Analytical Methods					8021B/8260B		8015B	
NMOCDC Action Level			100	100	10	50	100	
SB-6	26-Oct-12	0	42.8	94.2	<0.050	0.62	26	630
		2	1.4	NA	NA	NA	NA	NA
		4	4.0	NA	NA	NA	NA	NA
		6	5.1	NA	NA	NA	NA	NA
		8	1.7	NA	NA	NA	NA	NA
		10	1.5	NA	NA	NA	NA	NA
		12	1.0	NA	NA	NA	NA	NA
SC-1	31-Oct-12	1 to 8	21.6	NA	NA	NA	<4.7	<10
SC-2	1-Nov-12	1 to 8	22.9	NA	NA	NA	<4.7	<10
SC-3	1-Nov-12	1 to 12	50.5	NA	NA	NA	<4.8	<10
SC-4	1-Nov-12	1 to 12	24.5	NA	NA	NA	<4.7	<10
SC-5	1-Nov-12	8	87.0	NA	NA	NA	26	17
SC-6	1-Nov-12	12	89.2	NA	NA	NA	<4.8	<10
Initial Stockpile	31-Oct-12	--	NA	NA	0.096	3.9	120	<9.7
Final Stockpile	12-Nov-12	--	NA	NA	<0.050	<0.25	12	<10

NOTES

NA = Not Analyzed



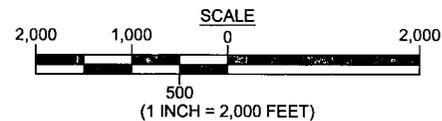
FARMINGTON SOUTH QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
1965 PHOTOREVISED 1979

HORN CANYON QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
1965 PROVISIONAL EDITION 1979

HUGH LAKE QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
1965 PHOTOREVISED 1979

GALLEGOS TRADING POST QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
1965 PHOTOREVISED 1979

LATERAL 6B-12 OCTOBER 2012 PIPELINE
RELEASE LOCATION

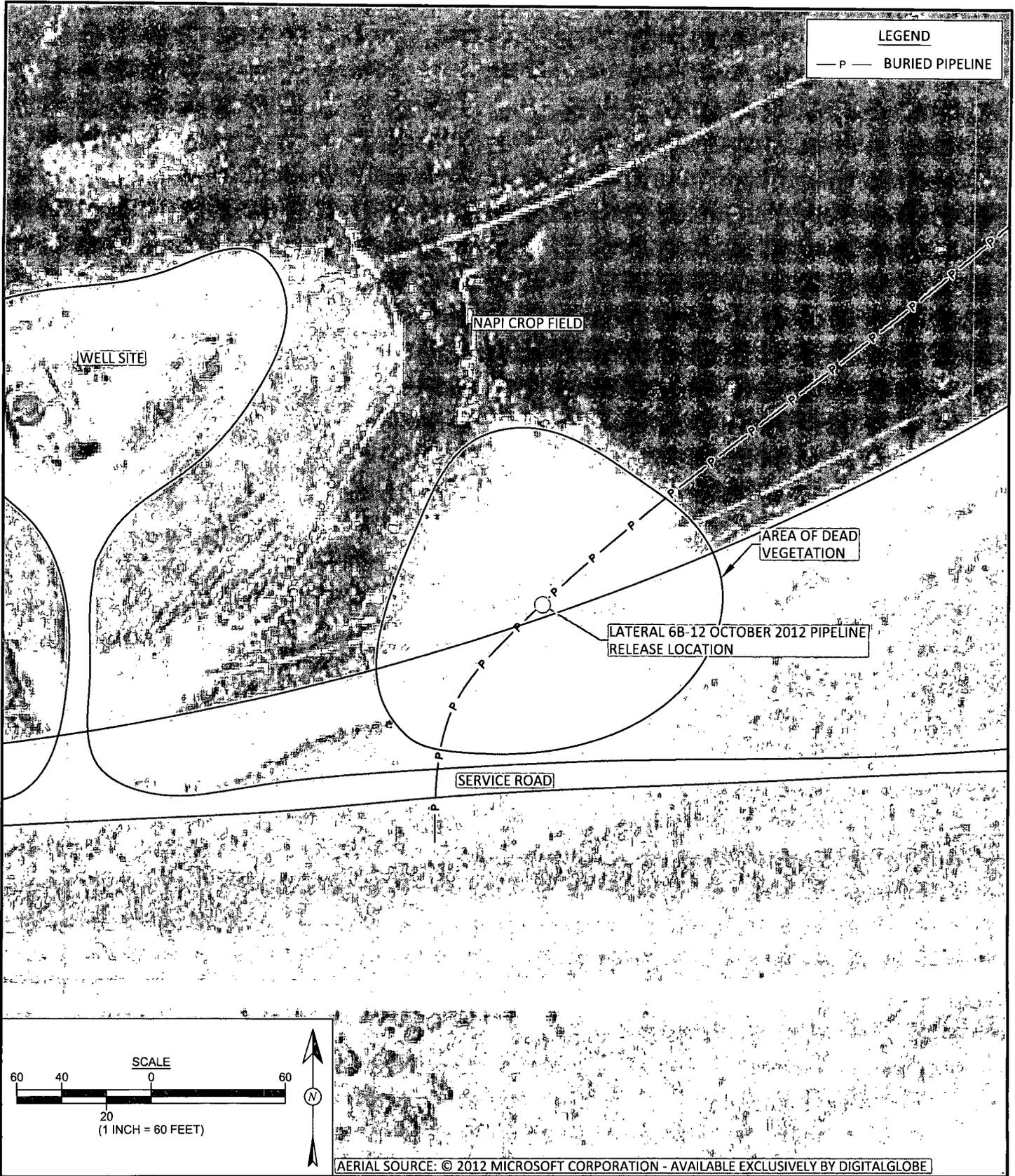


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: October 29, 2012
REVISIONS BY: C. Lameman	DATE REVISED: January 22, 2013
CHECKED BY: T. Ross	DATE CHECKED: January 22, 2013
APPROVED BY: E. McNally	DATE APPROVED: January 22, 2013

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ENTERPRISE FIELD SERVICES, LLC
LATERAL 6B-12 OCTOBER 2012 PIPELINE RELEASE
SAN JUAN COUNTY, NEW MEXICO
SE¼ SE¼, SECTION 32, T28N, R12W
N36.61229, W108.12669



AERIAL SOURCE: © 2012 MICROSOFT CORPORATION - AVAILABLE EXCLUSIVELY BY DIGITALGLOBE



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: October 29, 2012
REVISIONS BY: C. Lameman	DATE REVISED: January 22, 2013
CHECKED BY: T. Ross	DATE CHECKED: January 22, 2013
APPROVED BY: E. McNally	DATE APPROVED: January 22, 2013

FIGURE 2

AERIAL SITE MAP
 ENTERPRISE FIELD SERVICES, LLC
 LATERAL 6B-12 OCTOBER 2012 PIPELINE RELEASE
 SAN JUAN COUNTY, NEW MEXICO
 SE¼ SE¼, SECTION 32, T28N, R12W
 N36.61229, W108.12669

FIGURE 3

INITIAL ASSESSMENT SAMPLE LOCATIONS AND RESULTS OCTOBER 2012

ENTERPRISE FIELD SERVICES, LLC
 LATERAL 6B-12 OCTOBER 2012 PIPELINE RELEASE
 SAN JUAN COUNTY, NEW MEXICO
 SE¼ SE¼, SECTION 32, T28N, R12W
 N36.61229, W108.12669



Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
October 29, 2012

REVISIONS BY:
C. Lameman

DATE REVISED:
January 22, 2013

CHECKED BY:
T. Ross

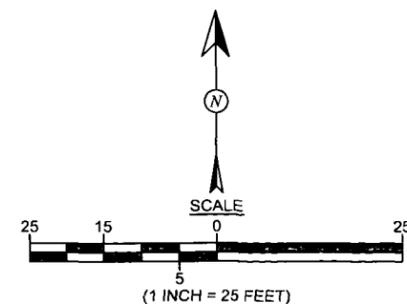
DATE CHECKED:
January 22, 2013

APPROVED BY:
E. McNally

DATE APPROVED:
January 22, 2013

LEGEND

- SAMPLE LOCATIONS
- P — BURIED PIPELINE



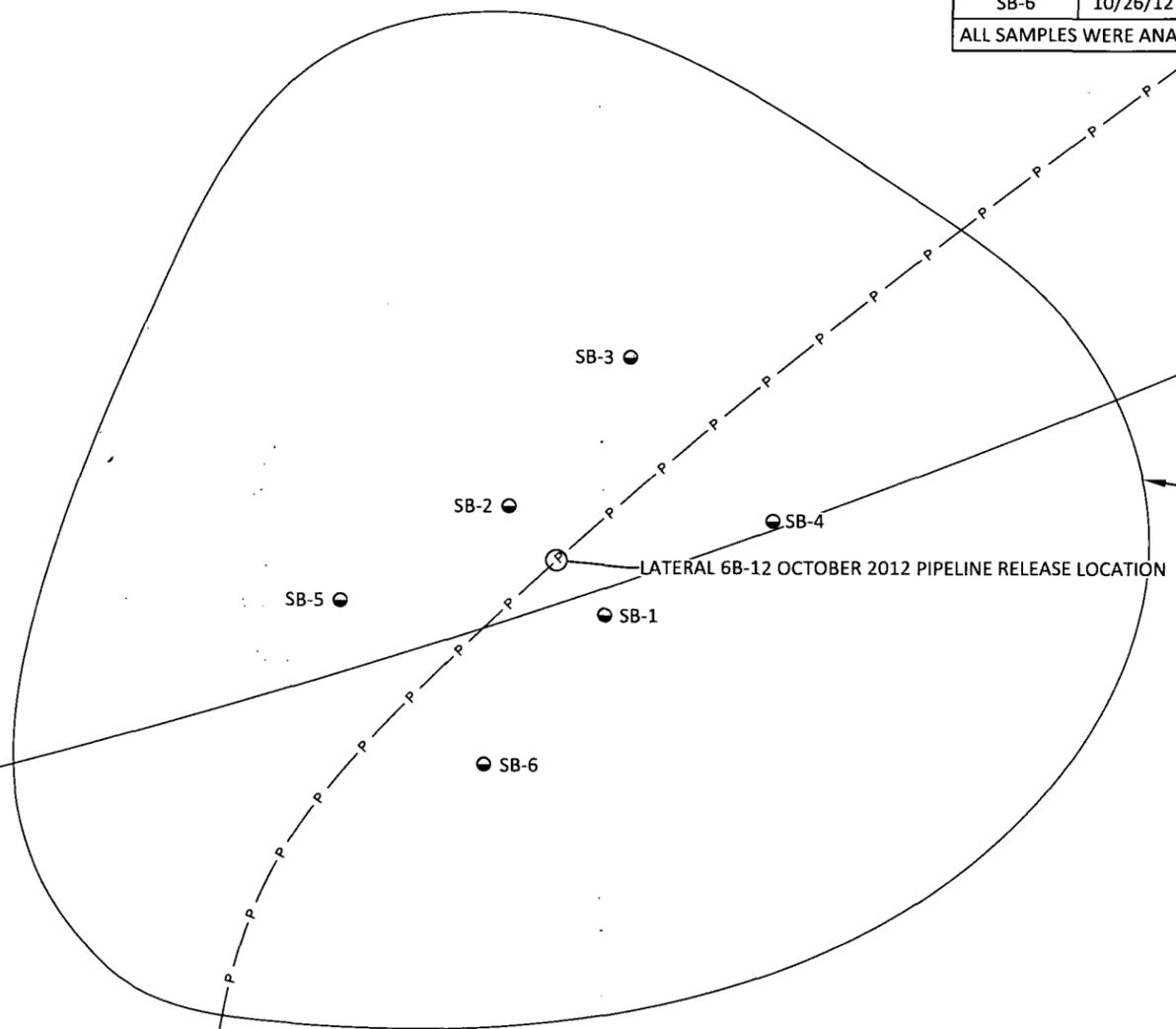
Laboratory Analytical Results						
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOC D ACTION LEVEL			10	50	100	
SB-3	10/26/12	0	<0.050	<0.25	9.5	25
SB-4	10/26/12	0	0.072	0.072	15	75
SB-6	10/26/12	0	<0.050	0.62	26	630

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8260B AND 8015B.

Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOC D ACTION LEVEL			100	100
SB-1	10/26/12	0	18.0	NA
		2	5.4	NA
		4	6.7	NA
		6	7.8	NA
		8	6.6	NA
		10	24.6	NA
SB-2	10/26/12	12	1.0	NA
		0	78.1	60.3
		2	4.8	NA
		4	4.1	NA
		6	13.4	NA
		8	5.4	NA
SB-3	10/26/12	10	17.2	32.2
		12	2.5	NA
		0	247	81.4
		2	2.5	NA
		4	2.3	NA
		6	1.0	NA
SB-4	10/26/12	8	2.9	NA
		10	3.4	NA
		12	2.0	NA
		0	133	300
		2	2.3	NA
		4	0.0	NA
SB-5	10/26/12	6	4.0	NA
		8	2.6	NA
		10	6.1	NA
		12	0.3	NA
		0	50.3	49.8
		2	8.1	NA
SB-6	10/26/12	4	5.8	NA
		6	9.2	NA
		8	12.5	NA
		10	2.2	NA
		12	0.8	NA
		0	42.8	94.2
SB-6	10/26/12	2	1.4	NA
		4	4.0	NA
		6	5.1	NA
		8	1.7	NA
		10	1.5	NA
		12	1.0	NA

NA - NOT ANALYZED

NAPI CROP FIELD



AREA OF DEAD VEGETATION

LATERAL 6B-12 OCTOBER 2012 PIPELINE RELEASE LOCATION

SERVICE ROAD

FIGURE 4

FINAL EXCAVATION DETAILS, SAMPLE LOCATIONS, AND RESULTS
OCTOBER AND NOVEMBER 2012
 ENTERPRISE FIELD SERVICES, LLC
 LATERAL 6B-12 OCTOBER 2012
 PIPELINE RELEASE
 SAN JUAN COUNTY, NEW MEXICO
 SE¼ SE¼, SECTION 32, T28N, R12W
 N36.61229, W108.12669



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: November 2, 2012
REVISIONS BY: C. Lameman	DATE REVISED: January 22, 2013
CHECKED BY: T. Ross	DATE CHECKED: January 22, 2013
APPROVED BY: E. McNally	DATE APPROVED: January 22, 2013

LEGEND

- SAMPLE LOCATIONS
- P — BURIED PIPELINE

Field Screening and Laboratory Analytical Results							
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOC ACTION LEVEL			100	10	50	100	
SC-1	10/31/12	1 to 8	21.6	NA	NA	<4.7	<10
SC-2	11/1/12	1 to 8	22.9	NA	NA	<4.7	<10
SC-3	11/1/12	1 to 12	50.5	NA	NA	<4.8	<10
SC-4	11/1/12	1 to 12	24.5	NA	NA	<4.7	<10
SC-5	11/1/12	8	87.0	NA	NA	26	17
SC-6	11/1/12	12	89.2	NA	NA	<4.8	<10
Initial Stockpile	10/31/12	--	NA	0.096	3.9	120	<9.7
Final Stockpile	11/12/12	--	NA	<0.050	<0.25	12	<10

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8015B. STOCKPILES WERE ANALYZED PER EPA METHOD 8021B AND 8015B. NA - NOT ANALYZED

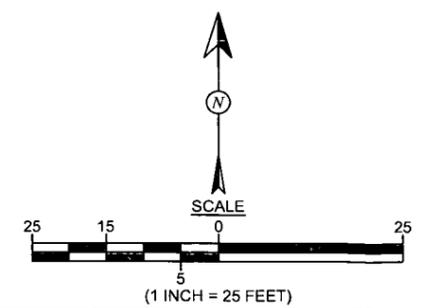
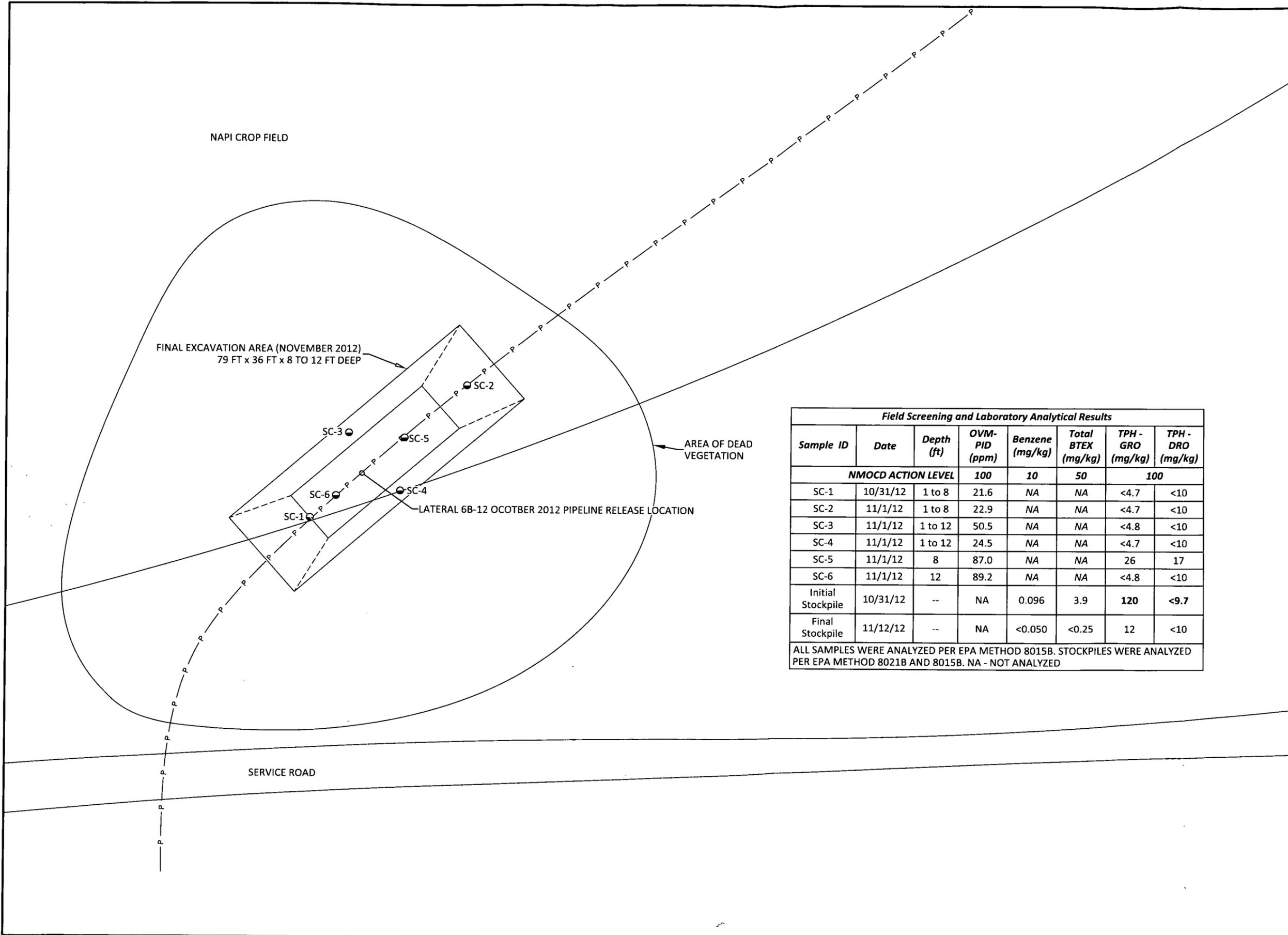


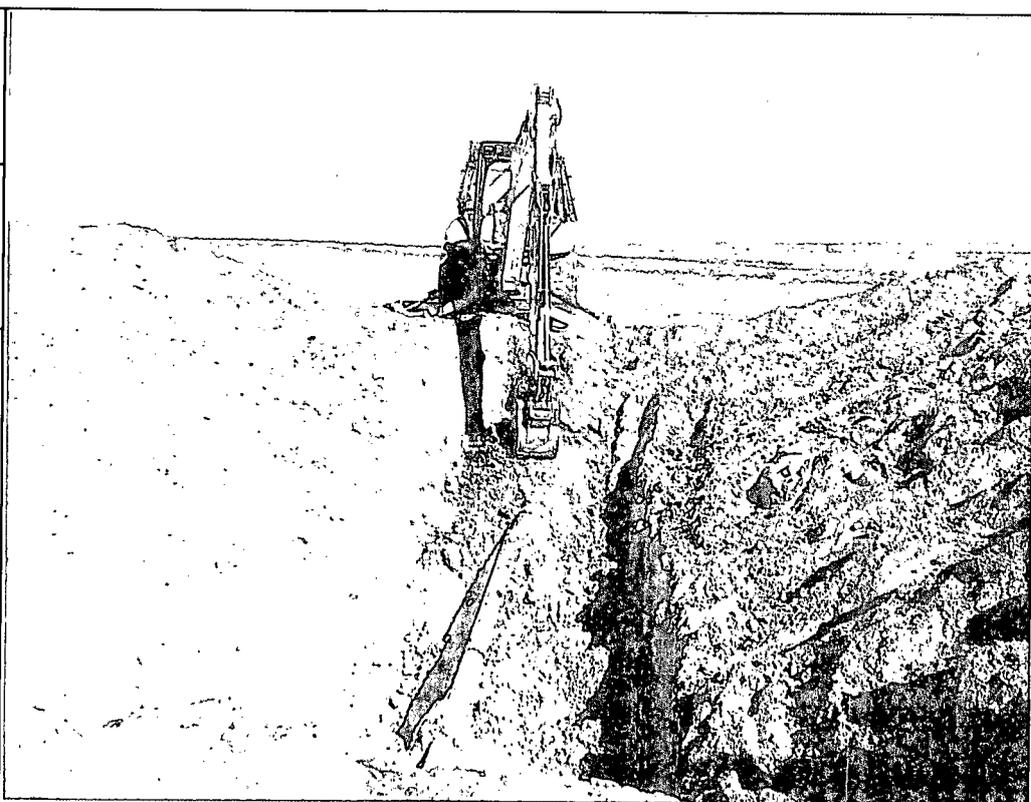
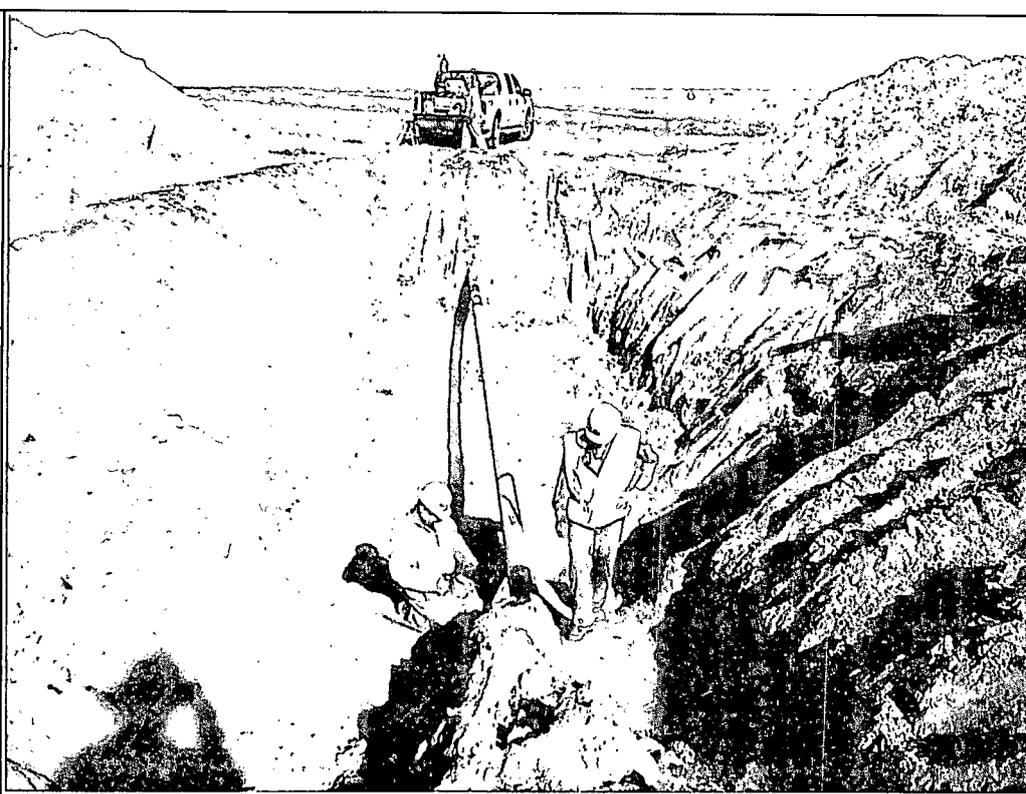
Photo #1	
Client: Enterprise Field Services, LLC	
Project: Lateral 6B-12 October & November 2012 Release Assessment and Mitigation	
Taken by: Tami Ross	
October 31, 2012	
AES Project No: 121022	Description: View of the initial excavation.

Photo #2	
Client: Enterprise Field Services, LLC	
Project: Lateral 6B-12 October & November 2012 Release Assessment and Mitigation	
Taken by: Heather Woods	
November 1, 2012	
AES Project No: 121022	Description: View of the final excavation.

AES Field Screening Report



Animas Environmental Services, LLC

www.animasenvironmental.com

Client: Enterprise Field Services, LLC

Project Location: Lateral 6B-12

Date: 10/26/2012

Matrix: Soil

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-405-3274

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1	10/26/2012	10:06	0	18.0	NA	Not Analyzed for TPH				
SB-1	10/26/2012	10:10	2	5.4	NA	Not Analyzed for TPH				
SB-1	10/26/2012	10:14	4	6.7	NA	Not Analyzed for TPH				
SB-1	10/26/2012	10:20	6	7.8	NA	Not Analyzed for TPH				
SB-1	10/26/2012	10:27	8	6.6	NA	Not Analyzed for TPH				
SB-1	10/26/2012	10:46	10	24.6	NA	Not Analyzed for TPH				
SB-1	10/26/2012	11:26	12	1.0	NA	Not Analyzed for TPH				
SB-2	10/26/2012	10:06	0	78.1	NA	14:14	60.3	20.0	1	HMW
SB-2	10/26/2012	10:10	2	4.8	NA	Not Analyzed for TPH				
SB-2	10/26/2012	10:14	4	4.1	NA	Not Analyzed for TPH				
SB-2	10/26/2012	10:20	6	13.4	NA	Not Analyzed for TPH				
SB-2	10/26/2012	10:37	8	5.4	NA	Not Analyzed for TPH				
SB-2	10/26/2012	10:45	10	17.2	NA	14:16	32.2	20.0	1	HMW

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-2	10/26/2012	11:32	12	2.5	NA	<i>Not Analyzed for TPH</i>				
SB-3	10/26/2012	11:34	0	247	NA	14:19	81.4	20.0	1	HMW
SB-3	10/26/2012	11:38	2	2.5	NA	<i>Not Analyzed for TPH</i>				
SB-3	10/26/2012	11:45	4	2.3	NA	15:25	203	20.0	1	HMW
SB-3	10/26/2012	11:51	6	1.0	NA	<i>Not Analyzed for TPH</i>				
SB-3	10/26/2012	12:04	8	2.9	NA	<i>Not Analyzed for TPH</i>				
SB-3	10/26/2012	12:16	10	3.4	NA	<i>Not Analyzed for TPH</i>				
SB-3	10/26/2012	12:35	12	2.0	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	11:42	0	133	NA	14:22	300	20.0	1	HMW
SB-4	10/26/2012	11:45	2	2.3	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	11:51	4	0.0	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	11:56	6	4.0	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	11:59	8	2.6	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	12:13	10	6.1	NA	<i>Not Analyzed for TPH</i>				
SB-4	10/26/2012	12:28	12	0.3	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	12:44	0	50.3	NA	14:24	49.8	20.0	1	HMW
SB-5	10/26/2012	12:47	2	8.1	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	12:50	4	5.8	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	12:54	6	9.2	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	12:58	8	12.5	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	13:04	10	2.2	NA	<i>Not Analyzed for TPH</i>				
SB-5	10/26/2012	13:10	12	0.8	NA	<i>Not Analyzed for TPH</i>				
SB-6	10/26/2012	12:46	0	42.8	NA	<i>Not Analyzed for TPH</i>				

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-6	10/26/2012	12:50	2	1.4	NA					
SB-6	10/26/2012	12:53	4	4.0	NA					
SB-6	10/26/2012	12:57	6	5.1	NA					
SB-6	10/26/2012	13:02	8	1.7	NA					
SB-6	10/26/2012	13:09	10	1.5	NA					
SB-6	10/26/2012	13:18	12	1.0	NA					

PQL Practical Quantitation Limit

ND Not Detected at the Reporting Limit

NA Not Analyzed

DF Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Leather M. Woods



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 01, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: Enterprise Lateral 6B-12

OrderNo.: 1210C55

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/27/2012 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID:** SB-3 @ 0
Project: Enterprise Lateral 6B-12 **Collection Date:** 10/26/2012 11:34:00 AM
Lab ID: 1210C55-001 **Matrix:** SOIL **Received Date:** 10/27/2012 2:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	25	10		mg/Kg	1	10/29/2012 10:56:20 AM
Surr: DNOP	124	77.6-140		%REC	1	10/29/2012 10:56:20 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	10/29/2012 12:31:01 PM
Toluene	ND	0.050		mg/Kg	1	10/29/2012 12:31:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/29/2012 12:31:01 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/29/2012 12:31:01 PM
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%REC	1	10/29/2012 12:31:01 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%REC	1	10/29/2012 12:31:01 PM
Surr: Dibromofluoromethane	91.3	70-130		%REC	1	10/29/2012 12:31:01 PM
Surr: Toluene-d8	94.6	70-130		%REC	1	10/29/2012 12:31:01 PM
EPA METHOD 8015B MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	9.5	5.0		mg/Kg	1	10/29/2012 12:31:01 PM
Surr: BFB	93.8	70-130		%REC	1	10/29/2012 12:31:01 PM

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
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SB-4 @ 0

Project: Enterprise Lateral 6B-12

Collection Date: 10/26/2012 11:42:00 AM

Lab ID: 1210C55-002

Matrix: SOIL

Received Date: 10/27/2012 2:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	75	10		mg/Kg	1	10/29/2012 12:00:59 PM
Surr: DNOP	137	77.6-140		%REC	1	10/29/2012 12:00:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.072	0.050		mg/Kg	1	10/29/2012 12:59:20 PM
Toluene	ND	0.050		mg/Kg	1	10/29/2012 12:59:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/29/2012 12:59:20 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/29/2012 12:59:20 PM
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%REC	1	10/29/2012 12:59:20 PM
Surr: 4-Bromofluorobenzene	92.0	70-130		%REC	1	10/29/2012 12:59:20 PM
Surr: Dibromofluoromethane	94.2	70-130		%REC	1	10/29/2012 12:59:20 PM
Surr: Toluene-d8	102	70-130		%REC	1	10/29/2012 12:59:20 PM
EPA METHOD 8015B MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	15	5.0		mg/Kg	1	10/29/2012 12:59:20 PM
Surr: BFB	92.0	70-130		%REC	1	10/29/2012 12:59:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1210C55
 01-Nov-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6B-12

Sample ID MB-4558	SampType: MBLK		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: PBS	Batch ID: 4558		RunNo: 6531							
Prep Date: 10/29/2012	Analysis Date: 10/29/2012		SeqNo: 188701				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	12		10.00		117	77.6	140			

Sample ID LCS-4558	SampType: LCS		TestCode: EPA Method 8015B: Diesel Range Organics							
Client ID: LCSS	Batch ID: 4558		RunNo: 6531							
Prep Date: 10/29/2012	Analysis Date: 10/29/2012		SeqNo: 188731				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.7	52.6	130			
Surr: DNOP	4.7		5.000		94.0	77.6	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1210C55

01-Nov-12

Client: Animas Environmental Services

Project: Enterprise Lateral 6B-12

Sample ID: 5ml-rb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R6539	RunNo: 6539								
Prep Date:	Analysis Date: 10/29/2012	SeqNo: 189534			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: 1,2-Dichloroethane-d4	0.45		0.5000		90.7	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		90.5	70	130			
Surr: Toluene-d8	0.47		0.5000		93.4	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: R6539	RunNo: 6539								
Prep Date:	Analysis Date: 10/29/2012	SeqNo: 189535			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	105	70	130			
Toluene	1.0	0.050	1.000	0	104	80	120			
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.3	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.2	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.9	70	130			
Surr: Toluene-d8	0.47		0.5000		93.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1210C55
 01-Nov-12

Client: Animas Environmental Services
Project: Enterprise Lateral 6B-12

Sample ID: 5ml-rb	SampType: MBLK	TestCode: EPA Method 8015B Mod: Gasoline Range								
Client ID: PBS	Batch ID: R6539	RunNo: 6539								
Prep Date:	Analysis Date: 10/29/2012	SeqNo: 189522	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	480		500.0		95.1	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015B Mod: Gasoline Range								
Client ID: LCSS	Batch ID: R6539	RunNo: 6539								
Prep Date:	Analysis Date: 10/29/2012	SeqNo: 189524	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	74.6	137			
Surr: BFB	470		500.0		94.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1210C55
 Received by/date: AF 10/27/12
 Logged By: Anne Thorne 10/27/2012 2:00:00 PM *Anne Thorne*
 Completed By: Anne Thorne 10/29/2012 *Anne Thorne*
 Reviewed By: *[Signature]* 10/29/12

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 15. Is it clear what analyses were requested? Yes No
- 16. 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)

- 17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			



*Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com*

January 02, 2013

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: Enterprise Lateral 6B-12

OrderNo.: 1211073

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/2/2012 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued November 08, 2012.

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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', with a stylized flourish at the end.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1211073

Date Reported: 1/2/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-3 SC-1 tcr

Project: Enterprise Lateral 6B-12

Collection Date: 10/31/2012 1:45:00 PM

Lab ID: 1211073-001

Matrix: SOIL

Received Date: 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2012 10:21:44 AM
Surr: DNOP	92.4	77.6-140		%REC	1	11/6/2012 10:21:44 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2012 3:25:45 PM
Surr: BFB	96.9	84-116		%REC	1	11/5/2012 3:25:45 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: ~~SC-7~~ SC-2 tcr

Project: Enterprise Lateral 6B-12

Collection Date: 11/1/2012 1:14:00 PM

Lab ID: 1211073-002

Matrix: SOIL

Received Date: 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2012 10:43:22 AM
Surr: DNOP	94.4	77.6-140		%REC	1	11/6/2012 10:43:22 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2012 3:54:28 PM
Surr: BFB	97.4	84-116		%REC	1	11/5/2012 3:54:28 PM

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
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SC-8 SC-3 tcr**Project:** Enterprise Lateral 6B-12**Collection Date:** 11/1/2012 1:16:00 PM**Lab ID:** 1211073-003**Matrix:** SOIL**Received Date:** 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2012 12:30:59 PM
Surr: DNOP	100	77.6-140		%REC	1	11/6/2012 12:30:59 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2012 4:23:08 PM
Surr: BFB	97.4	84-116		%REC	1	11/5/2012 4:23:08 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Analytical Report

Lab Order 1211073

Date Reported: 1/2/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SG-9 SC-4 tcr

Project: Enterprise Lateral 6B-12

Collection Date: 11/1/2012 1:18:00 PM

Lab ID: 1211073-004

Matrix: SOIL

Received Date: 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2012 12:52:41 PM
Surr: DNOP	97.3	77.6-140		%REC	1	11/6/2012 12:52:41 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2012 4:51:54 PM
Surr: BFB	95.3	84-116		%REC	1	11/5/2012 4:51:54 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: ~~SC-4~~ SC-5 tcr

Project: Enterprise Lateral 6B-12

Collection Date: 11/1/2012 2:20:00 PM

Lab ID: 1211073-005

Matrix: SOIL

Received Date: 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	17	10		mg/Kg	1	11/6/2012 1:14:25 PM
Surr: DNOP	98.4	77.6-140		%REC	1	11/6/2012 1:14:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	26	4.9		mg/Kg	1	11/6/2012 3:49:23 PM
Surr: BFB	302	84-116	S	%REC	1	11/6/2012 3:49:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID:** ~~SC-4~~ SC-6 tcr
Project: Enterprise Lateral 6B-12 **Collection Date:** 11/1/2012 4:32:00 PM
Lab ID: 1211073-006 **Matrix:** SOIL **Received Date:** 11/2/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2012 1:36:17 PM
Surr: DNOP	96.2	77.6-140		%REC	1	11/6/2012 1:36:17 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2012 5:49:30 PM
Surr: BFB	98.2	84-116		%REC	1	11/5/2012 5:49:30 PM

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
P	Sample pH greater than 2	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#: 1211073
02-Jan-13

Client: Animas Environmental Services
Project: Enterprise Lateral 6B-12

Sample ID	MB-4662	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	4662	RunNo:	6702					
Prep Date:	11/5/2012	Analysis Date:	11/6/2012	SeqNo:	193921	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.4	77.6	140			

Sample ID	LCS-4662	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	4662	RunNo:	6702					
Prep Date:	11/5/2012	Analysis Date:	11/6/2012	SeqNo:	193922	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	77.4	52.6	130			
Surr: DNOP	4.5		5.000		90.0	77.6	140			

Sample ID	1211064-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	4662	RunNo:	6702					
Prep Date:	11/5/2012	Analysis Date:	11/6/2012	SeqNo:	193929	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	51.18	0	79.5	57.2	146			
Surr: DNOP	4.8		5.118		92.8	77.6	140			

Sample ID	1211064-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	4662	RunNo:	6702					
Prep Date:	11/5/2012	Analysis Date:	11/6/2012	SeqNo:	193930	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.7	48.73	0	78.6	57.2	146	5.98	24.5	
Surr: DNOP	4.5		4.873		92.1	77.6	140	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1211073**

Received by/date:  **11/02/12**

Logged By: **Ashley Gallegos** 11/2/2012 10:00:00 AM 

Completed By: **Ashley Gallegos** 11/2/2012 12:04:07 PM 

Reviewed By:  **11/02/12**

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No # of preserved bottles checked for pH:
- 14. Are matrices correctly identified on Chain of Custody? Yes No (<2 or >12 unless noted)
- 15. Is it clear what analyses were requested? Yes No Adjusted?
- 16. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No Checked by:

Special Handling (if applicable)

- 17. 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: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services LLC

Mailing Address: 624 E. Comanche
Farmington, NM 87401

Phone #: 505-564-2281

email or Fax#:

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation
 NELAP Other _____

EDD (Type) _____

Turn-Around Time:
 Standard Rush

Project Name:
Enterprise Lateral 6B-12

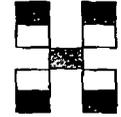
Project #:

Project Manager:
Tami Ross

Sampler: Tami Ross / Heather Woods

Office: _____

Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALING 3 10/10/12	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Pollution (VOC's)	
10/31/12	1345	Soil	SC-3	4 oz Jar	Non	-013-001	X												
11/1/12	1314	Soil	SC-7	4 oz Jar	Non	-014-002	X												
11/1/12	1316	Soil	SC-8	4 oz Jar	Non	-015-003	X												
11/1/12	1318	Soil	SC-9	4 oz Jar	Non	-016-004	X												
11/1/12	1420	Soil	SC-11	4 oz Jar	Non	-017-005	X												
11/1/12	1632	Soil	SC-14	4 oz Jar	Non	-018-006	X												

Date: 11/1/12 Time: 1747 Relinquished by: Heather M. Wood Received by: Christine Waeter Date: 11/1/12 Time: 1747 Remarks: Bill to Enterprise Products Company

Date: 11/1/12 Time: 757 Relinquished by: Christ Waeter Received by: [Signature] Date: 11/02/12 Time: 1000

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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 07, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: Lateral 6B-12

OrderNo.: 1211007

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/1/2012 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: Stockpile (Initial) lrc

Project: Lateral 6B-12

Collection Date: 10/31/2012 2:25:00 PM

Lab ID: 1211007-001

Matrix: SOIL

Received Date: 11/1/2012 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/1/2012 11:09:21 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/1/2012 11:09:21 AM
Surr: DNOP	95.2	77.6-140		%REC	1	11/1/2012 11:09:21 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.096	0.050		mg/Kg	1	11/1/2012 1:08:33 PM
Toluene	0.87	0.050		mg/Kg	1	11/1/2012 1:08:33 PM
Ethylbenzene	0.26	0.050		mg/Kg	1	11/1/2012 1:08:33 PM
Xylenes, Total	2.7	0.10		mg/Kg	1	11/1/2012 1:08:33 PM
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%REC	1	11/1/2012 1:08:33 PM
Surr: 4-Bromofluorobenzene	99.8	70-130		%REC	1	11/1/2012 1:08:33 PM
Surr: Dibromofluoromethane	94.8	70-130		%REC	1	11/1/2012 1:08:33 PM
Surr: Toluene-d8	102	70-130		%REC	1	11/1/2012 1:08:33 PM
EPA METHOD 8015B MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	120	5.0		mg/Kg	1	11/1/2012 1:08:33 PM
Surr: BFB	99.8	70-130		%REC	1	11/1/2012 1:08:33 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211007

07-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID MB-4618	SampType: MBLK	TestCode: EPA Method 8015B: Diesel Range Organics								
Client ID: PBS	Batch ID: 4618	RunNo: 6627								
Prep Date: 10/31/2012	Analysis Date: 11/1/2012	SeqNo: 191363	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	77.6	140			

Sample ID LCS-4618	SampType: LCS	TestCode: EPA Method 8015B: Diesel Range Organics								
Client ID: LCSS	Batch ID: 4618	RunNo: 6627								
Prep Date: 10/31/2012	Analysis Date: 11/1/2012	SeqNo: 191364	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	77.1	52.6	130			
Surr: DNOP	4.4		5.000		87.1	77.6	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211007

07-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID: 5ml-rb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R6631	RunNo: 6631								
Prep Date:	Analysis Date: 11/1/2012	SeqNo: 191855	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: 1,2-Dichloroethane-d4	0.46		0.5000		92.7	70	130			
Surr: 4-Bromofluorobenzene	0.55		0.5000		111	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.9	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: R6631	RunNo: 6631								
Prep Date:	Analysis Date: 11/1/2012	SeqNo: 191868	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Benzene	1.1	0.050	1.000	0	106	70	130			
Toluene	1.1	0.050	1.000	0	112	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.2	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		93.6	70	130			
Surr: Toluene-d8	0.49		0.5000		97.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211007

07-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID: 5ml-rb	SampType: MBLK	TestCode: EPA Method 8015B Mod: Gasoline Range								
Client ID: PBS	Batch ID: R6631	RunNo: 6631								
Prep Date:	Analysis Date: 11/1/2012	SeqNo: 191754			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	550		500.0		111	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015B Mod: Gasoline Range								
Client ID: LCSS	Batch ID: R6631	RunNo: 6631								
Prep Date:	Analysis Date: 11/1/2012	SeqNo: 191796			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	74.6	137			
Surr: BFB	530		500.0		107	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1211007
 Received by/date: AT 11/01/12 & Lon 11/01/12
 Logged By: Anne Thorne 11/1/2012 9:50:00 AM *Am Th*
 Completed By: Anne Thorne 11/1/2012 *Am Th*
 Reviewed By: AT 11/01/12

Chain of Custody

1. Were seals intact? Yes No Not Present
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? Courier

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes No NA
5. Was an attempt made to cool the samples? Yes No NA
6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
7. Sample(s) in proper container(s)? Yes No
8. Sufficient sample volume for indicated test(s)? Yes No
9. Are samples (except VOA and ONG) properly preserved? Yes No
10. Was preservative added to bottles? Yes No NA
11. VOA vials have zero headspace? Yes No No VOA Vials
12. Were any sample containers received broken? Yes No
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
14. Are matrices correctly identified on Chain of Custody? Yes No
15. Is it clear what analyses were requested? Yes No
16. 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)

17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:		Date	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 19, 2012

Tami Ross
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: Lateral 6B-12

OrderNo.: 1211511

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/13/2012 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. 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.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** Stockpile Backfill (final) lrc**Project:** Lateral 6B-12**Collection Date:** 11/12/2012 8:09:00 AM**Lab ID:** 1211511-001**Matrix:** MEOH (SOIL)**Received Date:** 11/13/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/14/2012 8:17:11 AM
Surr: DNOP	96.6	77.6-140		%REC	1	11/14/2012 8:17:11 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	12	5.0		mg/Kg	1	11/14/2012 3:24:31 PM
Surr: BFB	184	84-116	S	%REC	1	11/14/2012 3:24:31 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	11/14/2012 3:24:31 PM
Toluene	ND	0.050		mg/Kg	1	11/14/2012 3:24:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/14/2012 3:24:31 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/14/2012 3:24:31 PM
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	11/14/2012 3:24:31 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211511

19-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID	MB-4808	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	4808	RunNo:	6876					
Prep Date:	11/13/2012	Analysis Date:	11/14/2012	SeqNo:	198884	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	9.7		10.00		97.4	77.6	140			

Sample ID	LCS-4808	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	4808	RunNo:	6876					
Prep Date:	11/13/2012	Analysis Date:	11/14/2012	SeqNo:	198941	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.9	47.4	122			
Surr: DNOP	4.3		5.000		86.8	77.6	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211511

19-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID MB-4802	SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: PBS	Batch ID: 4802		RunNo: 6896							
Prep Date: 11/13/2012	Analysis Date: 11/14/2012		SeqNo: 200035		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.7	84	116			

Sample ID LCS-4802	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSS	Batch ID: 4802		RunNo: 6896							
Prep Date: 11/13/2012	Analysis Date: 11/14/2012		SeqNo: 200036		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	84	116			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1211511

19-Nov-12

Client: Animas Environmental Services

Project: Lateral 6B-12

Sample ID	MB-4802	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	4802	RunNo:	6896					
Prep Date:	11/13/2012	Analysis Date:	11/14/2012	SeqNo:	200049	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID	LCS-4802	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	4802	RunNo:	6896					
Prep Date:	11/13/2012	Analysis Date:	11/14/2012	SeqNo:	200050	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1211511
 Received by/date: AG 11/13/12
 Logged By: Michelle Garcia 11/13/2012 9:55:00 AM *Michelle Garcia*
 Completed By: Michelle Garcia 11/13/2012 10:25:44 AM *Michelle Garcia*
 Reviewed By: IO 11/13/2012

Chain of Custody

- 1. Were seals intact? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Coolers are present? (see 19. for cooler specific information) Yes No NA
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. VOA vials have zero headspace? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 15. Is it clear what analyses were requested? Yes No
- 16. 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)

- 17. 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: _____

18. Additional remarks:

19. 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	Contact: Aaron Dailey
Address 614 Reilly Ave., Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name Trunk 10 A pipeline	Facility Type: Natural gas gathering line

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

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	15	25N	11W					San Juan

Latitude 36.3939 N Longitude 107.9950 W

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release 127 MCF gas (estimated)	Volume Recovered: 0
Source of Release: Pipeline	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Approximately 14:00 hours on 3.5.2013
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Aaron Dailey	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. RCVD MAR 22 '13 OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Enterprise employee discovered leak on pipeline while performing routine work in the area. Technician performed all necessary notifications and isolated the pipeline with LOTO procedures. A one call was made to perform temporary clamp repairs until permanent repairs can be made, likely April 2013.

Describe Area Affected and Cleanup Action Taken.* Confirmation sampling was conducted on soil; preliminary soil sampling shows that the release was mostly dry gas that came out of hole. A corrective action report and a "final" C-141 report will be submitted once these actions are completed.

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: Matt Marra	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>5/24/2013</u>	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval:	
Date: <u>2-18-2013</u> Phone: 713-381-6684	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

nJK1314149252

72