

3R-1011

**Release Report/ General
Correspondence**

Enterprise SJ

Date: Jan-Mar 2014

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Jacquez LS#3 Well Site	Facility Type: Meter Tube/Methanol Tank

Surface Owner: Private	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter C	Section 30	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.78623 Longitude -107.71744

NATURE OF RELEASE

Type of Release: Natural gas/Methanol/Condensate liquids/Paraffin	Volume of Release: Unknown	Volume Recovered
Source of Release: Natural gas meter tube/meter run/Methanol Tank	Date and Hour of Occurrence: 12/17/2013 @ 10:12 a.m.	Date and Hour of Discovery: 12/17/2013 @ 10:12 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD	
By Whom? Thomas Long	Date and Hour 12/17/2013 4:02 p.m.	RCUD JAN 6 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV.
DIST. 3		

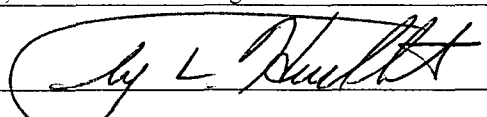
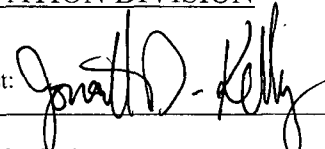
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A production company lease operator discovered a release associated with a methanol tank. The sight glass valve on the methanol tank froze and broke. The well was shut in and the meter run was blown down and LOTO was applied.

Describe Area Affected and Cleanup Action Taken.*

Natural gas/Methanol/Condensate liquids/Paraffin impacted an area of approximately 60 feet long by 40 feet wide. Remediation activities were completed on December 21, 2013. Approximately 50 cubic yards of impacted soil and approximately 7 barrels of water and soil (hydro excavation material) were disposed of at a NMOCD approved landfarm. A "final" c-141 will be submitted once corrective action report has been 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: Terry L. Hurlburt	Approved by Environmental Specialist: 	
Title: Group Sr. Vice President	Approval Date: 6/18/2014	Expiration Date:
E-mail Address: snolan@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/30/2013 Phone: 713-381-6595		

* Attach Additional Sheets If Necessary

nJK1416930206
NCS 143 385 3136

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Blanco 30-12 #100S	Facility Type: Well Site – Meter Tube/Meter Run

Surface Owner: Private	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter O	Section 10	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude **36.8229** Longitude **-108.0846**

NATURE OF RELEASE

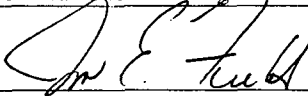
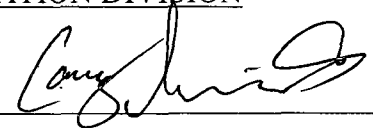
Type of Release: Natural gas and possible associated liquids	Volume of Release: 32mcf	Volume Recovered: To be determined
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: 12/14/2013 @ 6:00 p.m.	Date and Hour of Discovery: 12/14/2013 @ 6:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Thomas Long	Date and Hour	RCVD JAN 2 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	OIL CONS. DIV. DIST. 3

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On 12/14/2013 a gas leak occurred on a meter run at a producer's well location. An employee of the production company shut in the meter run and stopped the leak at about 6:00 PM. They estimate the leak lasted about 1.5 hours. The production company notified the Enterprise measurement department on 12/15/2013 at approximately 8:20 AM. An Enterprise measurement supervisor responded to the location to investigate and repair the problem. A gasket in the orifice flange had blown out due to liquids freezing in piping a meter tube. He replaced the gaskets and orifice plate and put the meter run back in service. Approximately 32 square feet of soil was stained from released water and condensate. Third party environmental contractor will oversee remediation activities and collect closure samples.

Describe Area Affected and Cleanup Action Taken.* Approximately 32 square feet of soil was stained from released water and condensate. Third party environmental contractor will oversee remediation activities and collect closure samples.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Field Environmental	Approval Date: 5/6/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/20/2013 Phone: 713-381-6684		

* Attach Additional Sheets If Necessary

NCS 1411 262 6966

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: EPNG COM D #5A	Facility Type: Well Site/Meter Tube

Surface Owner: BLM	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter D	Section 36	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.77370 Longitude -107.63242

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids/ produced water	Volume of Release: 45 mcf	Volume Recovered: To Be Determined
Source of Release: Equipment Failure on a Meter Tube	Date and Hour of Occurrence: 1/2/2014 @ 3:10 p.m.	Date and Hour of Discovery: 1/2/2014 @ 3:10 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly NMOCD, Brandon Powell NMOCD; Sherrie Landon BLM	
By Whom? Thomas Long	Date and Hour: 1/3/2014 @ 3:46 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

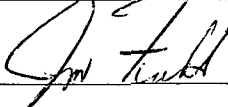
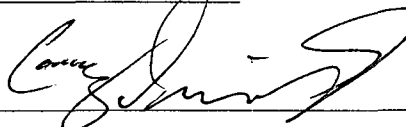
Describe Cause of Problem and Remedial Action Taken.* A release from meter tube due to equipment failure at the well site called the EPNG Com D#5A. An area of approximately 1,900 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured.

RCVD JAN 21 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.*

A release from meter tube due to equipment failure at the well site called the EPNG Com D#5A. An area of approximately 1,900 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured. Third party environmental contractor oversaw remediation activities and collected closure samples on 1-10-14. Impacted soil was transported to a NMOCD land farm facility. A "final" c-141 will be submitted upon receipt of the corrective action report.

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental		Approval Date: <u>9/4/14</u>	Expiration Date:
E-mail Address: : jefields@eprod.com		Conditions of Approval:	
Date: <u>1-16-2014</u> Phone: (713)381-6684		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

#NCS 142 41749347

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Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Howell M#1A Well Site	Facility Type: Well Site Meter Run/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter M	Section 31	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude **36.7623** Longitude **-107.7178**

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids	Volume of Release: 62 mcf	Volume Recovered: Approximately 70 cubic yards
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/13/2013 @ 10:00 a.m	Date and Hour of Discovery: 12/13/2013 @ 10:00 a.m
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD	
By Whom? Thomas Long	Date and Hour 12/16/2013 7:16 a.m.	PCUD JAN 2 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

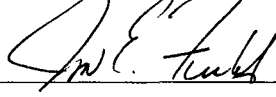
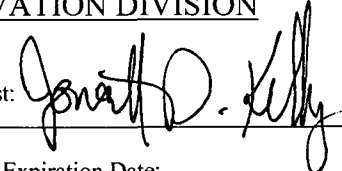
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A production company lease operator discovered gas leaking from a meter tube flange. The lease operator closed the upstream and downstream valves to stop the leak. The leak was due to a failed orifice flange gasket. LOTO was applied.

Describe Area Affected and Cleanup Action Taken.*

An area of approximately 830 square feet was impacted. Remediation activities were completed on December 18, 2013. Approximately 70 cubic yards of impacted soil were disposed of at a NMOCD approved landfarm. A "final" c-141 will be submitted once corrective action report has been 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: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Field Environmental	Approval Date: 6/18/2014	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/20/2013	Phone: 713-381-6684	

* Attach Additional Sheets If Necessary

n5K1416934063

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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

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

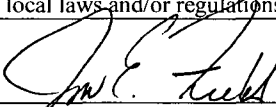
Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lambe #3M Well Site	Facility Type: Well Site Meter Run/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter J	Section 21	Township 31N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude **36.87996** Longitude **-107.88506**

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: 113 mcf	Volume Recovered: To be determined
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/12/2013 @ 1:30 p.m	Date and Hour of Discovery: 12/12/2013 @ 1:30 p.m
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD JAN 2 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Measurement technician found gas leaking from the orifice flange and the upstream flange when he visited location to calibrate meter. The technician locked and tagged out meter run and replaced both flange gaskets. There was not visual damage to the meter tube. An area of approximately 150 square feet (15 feet long by 10 feet wide) of soil staining was observed.		
Describe Area Affected and Cleanup Action Taken.* An area of approximately 150 square feet of soil staining was observed. Third party environmental contractor is scheduled to collect closure samples during remediation activities scheduled for December 23, 2013. A "final" c-141 will be submitted once corrective actions and report have been 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: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Field Environmental	Approval Date: 6/18/2014	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/20/2013	Phone: 713-381-6684	

* Attach Additional Sheets If Necessary

nJK 1416934372

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Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Gartner LS #6M Well Site	Facility Type: Well Site Meter Run/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter J	Section 27	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.780385 Longitude -107.660152

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: 113 mcf	Volume Recovered: To be determined
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/13/2013 @ 4:13 p.m	Date and Hour of Discovery: 12/13/2013 @ 4:13 p.m
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD JAN 2 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

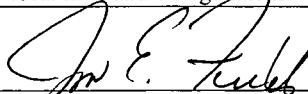
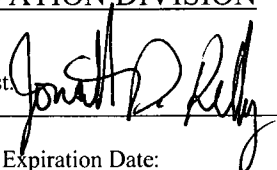
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Pipeline technician reported to supervisor that they had driven onto a location and discovered a coupon valve on the bottom of a dogleg was leaking and blowing gas. Supervisor and other area technicians arrived and LOTO was applied and the broken valve was replaced. An area of staining of approximately 10 feet wide by 10 feet long was observed.

Describe Area Affected and Cleanup Action Taken.*

An area of approximately 10 feet wide by 10 feet long was observed. Third party environmental contractor is scheduled to collect closure samples during remediation activities scheduled for December 27, 2013. A "final" c-141 will be submitted once corrective actions and report have been 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: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Field Environmental	Approval Date: 6/18/2014	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/20/2013	Phone: 713-381-6684	

* Attach Additional Sheets If Necessary

nJK 14169 34603

①

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State of New Mexico
Energy Minerals and Natural Resources

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Revised August 8, 2011

Oil Conservation Division **OIL CONS. DIV. DIST. 3**
1220 South St. Francis Dr.
Santa Fe, NM 87505
JUN 16 2014
Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Rachael #2	Facility Type: Well Site

Surface Owner: NAPI/Navajo Tribal	Mineral Owner: NAPI/Navajo Tribal	API No. 30-045-22285
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LOCATION OF RELEASE

Unit Letter J	Section 34	Township 26N	Range 12W	Feet from the 1458	North <u>South</u> Line	Feet from the 1010	<u>East</u> West Line	County San Juan
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Latitude 36.441434 Longitude -108.093404

NATURE OF RELEASE

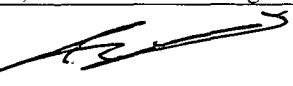
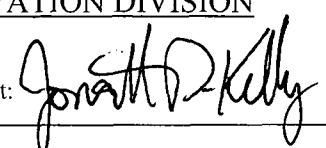
Type of Release: Natural Gas, Produced Water, and Condensate	Volume of Release: Estimated 2-3 bbls of fluids; Estimated 5 MCF gas release	Volume Recovered: To be Determined
Source of Release: Equipment Damage	Date and Hour of Occurrence: 5/30/2014 @ 11:43 a.m.	Date and Hour of Discovery: 5/30/2014 @ 12:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith – NMOCD, Eric Trevizo – NAPI Safety, Steve Austin – NNEPA, Mike Freeman – NAPI Management	
By Whom? Thomas Long	Date and Hour 5/30/2014 @ 3:01 p.m. phone call and email	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* At 11:43 a.m. on May 30, 2014, a NAPI contractor (Wilbur-Ellis Company) was spraying herbicide at the NAPI 467A field when the contractor stuck the meter house and meter tube located at the Rachel #2 well site with the sprayer attached to the tractor. As a result of the collision, the drip on the meter tube was broken and the meter house was significantly damaged. Natural gas, condensate and water was released. The meter tube was shut in and LOTO was applied. An area of approximately 50 feet by 30 feet was affected. No fire or injuries resulted from the incident.

Describe Area Affected and Cleanup Action Taken.* An area of approximately 50 feet by 30 feet was affected. Remediation activities are scheduled for the week of June 16, 2014. A third party environmental contractor will oversee remediation activities. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Ivan Zirbes	Approved by Environmental Specialist: 	
Title: Senior Director, Environmental	Approval Date: <u>6/18/2014</u>	Expiration Date:
E-mail Address: iwzirbes@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>6-11-14</u> Phone: (713) 381-1753		

* Attach Additional Sheets If Necessary

nJK1416941605

NCS 1433852671

(t)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Morris #3 Well Site	Facility Type: Well Site/Meter Tube

Surface Owner: BLM	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter P	Section 14	Township 27N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.56912 Longitude -107.8574

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 950 MCF	Volume Recovered: None
Source of Release: Drip Pot Knock Out/RTD on a Meter Tube	Date and Hour of Occurrence: 1/14/2014 @ 12:00 p.m.	Date and Hour of Discovery: 1/14/2014 @ 12:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Charlie Perrin and Brandon Powell - NMOCD	
By Whom? Thomas Long	Date and Hour: 1/14/2014 @ 1:50 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

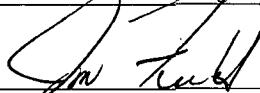
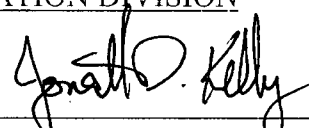
Describe Cause of Problem and Remedial Action Taken.* The meter tube was damaged by a boulder rolling down the hill next to the well location damaging the drip pot and RTD. No fluids were released.

OIL CONS. DIV DIST. 3

JAN 27 2014

Describe Area Affected and Cleanup Action Taken.* No fluids were released. No remediation required.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 1/14/2014	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-21-14 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

nJK 1424750061

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Atlantic C#1A Well Site	Facility Type: Well Site/Meter Tube

Surface Owner: Private	Mineral Owner: BLM	API No.
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LOCATION OF RELEASE

Unit Letter C	Section 35	Township 31N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.86002 Longitude -107.8559

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids/ produced water	Volume of Release: 89 MCF	Volume Recovered: To Be Determined
Source of Release: Orifice Flange on a Meter Tube	Date and Hour of Occurrence: 1/8/2014 @ 4:30 p.m.	Date and Hour of Discovery: 1/8/2014 @ 4:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom? Thomas Long	Date and Hour: JAN 27 2014	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

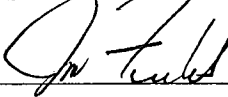
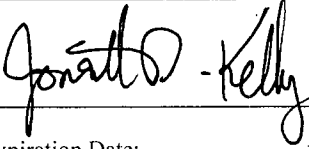
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release from an orifice flange on a meter tube at the Atlantic C#1A well site. An area of 400 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured.

Describe Area Affected and Cleanup Action Taken.*

A release from an orifice flange on a meter tube at the Atlantic C#1A well site. An area of 400 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured. Third party environmental contractor oversaw remediation activities and collected closure samples on 1-16-14. Approximately twenty-five (25) cubic yards of impacted soil was transported to a NMOCD land farm facility. A "final" c-141 will be submitted upon receipt of the corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 9/4/2014	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-20-2014 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

NJR 1424750531

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: JE Decker #3B Well Site	Facility Type: Well Site/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter E	Section 17	Township 32N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.98684 Longitude -108.0182

NATURE OF RELEASE

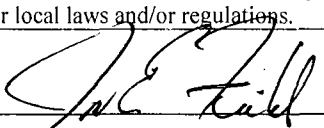

Type of Release: Natural Gas	Volume of Release: 60 MCF	Volume Recovered: To Be Determined
Source of Release: Orifice Flange on a Meter Tube	Date and Hour of Occurrence: 1/9/2014 @ 11:00 p.m.	Date and Hour of Discovery: 1/9/2014 @ 11:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom? Thomas Long	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. JAN 27 2014	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release from an orifice flange on a meter tube at the JE Decker #3B well site. The well was isolated and LOTO (lock out tag out) was applied, repairs were completed, the meter run was put back in service. No fluids were released.

Describe Area Affected and Cleanup Action Taken.* A release from an orifice flange on a meter tube at the JE Decker #3B well site. The well was isolated and LOTO (lock out tag out) was applied, repairs were completed, the meter run was put back in service. No fluids were released.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 5/14/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-20-2014	Phone: (713)381-6684	

* Attach Additional Sheets If Necessary

NCS 141 3531673

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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Gerk Com #1	Facility Type: Well Tie/Gathering Line	
Surface Owner: Private	Mineral Owner:BLM	API No.

LOCATION OF RELEASE

Unit Letter B	Section 30	Township 29N	Range 9W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.700710 Longitude -107.817140

NATURE OF RELEASE

Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: Unknown	Volume Recovered: Approximately 100 Cubic Yards
Source of Release: External Damage	Date and Hour of Occurrence: 1/14/2014 @ 1:15p.m.	Date and Hour of Discovery: 1/14/2014 @ 1:15p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Thomas Long	Date and Hour: 1/22/2014 @ 1:00 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

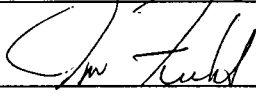
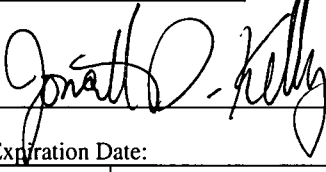
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release from the well tie to the Gerk Gas Com #1. The release was due external damage to the pipeline. The well was isolated and LOTO (lock out tag out) was applied. Repairs are scheduled for the week of 1/20/14.

RCVD JAN 30 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.* An area of estimated twenty-five (25) feet by twenty-five (25) feet was impacted. Third party environmental contractor will oversee remediation activities and collected closure samples. Approximately one hundred (100) cubic yards of impacted soil was transported to a NMOCD land farm facility. A "final" c-141 will be submitted upon receipt of the corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 6/18/2014	Expiration Date:
E-mail Address: : jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-24-2014	Phone: (713)381-6684	

* Attach Additional Sheets If Necessary

nJK1416956720

D

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lateral H-46/Bruington 15G Well Tie	Facility Type: Well Tie/Gathering Line	
Surface Owner: Private	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter F	Section 15	Township 30N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.81439 Longitude -107.98055

NATURE OF RELEASE

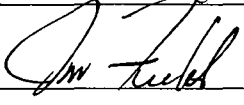

Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Internal Corrosion	Date and Hour of Occurrence: 1/23/2014 @ 10:30 a.m.	Date and Hour of Discovery: 1/23/2014 @ 10:30 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour. RCUD FEB 10 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Lateral H-46/Bruington 15G well tie on 1-23-14. The release is assumed to be from internal corrosion. The well was isolated and LOTO (lock out tag out) was applied. Repairs were completed during the week of January 27, 2014.

Describe Area Affected and Cleanup Action Taken.* An area of estimated fifteen (15) feet by fifteen (15) feet was impacted. Third party environmental contractor has overseen initial remediation/excavation activities and will continue to oversee additional remediation activities scheduled for the week of January 10, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>4/28/14</u>	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2-5-2014</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

NCS 141 185 5417

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Payne #221 Well Tie	Facility Type: Well Tie/Gathering Line
Surface Owner: Private	Mineral Owner: BLM
API No.	

LOCATION OF RELEASE

Unit Letter C	Section 22	Township 32N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude **36.977664** Longitude **-107.874914**

NATURE OF RELEASE

Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: External Damage	Date and Hour of Occurrence: 1/22/2014 @ 10:30 a.m.	Date and Hour of Discovery: 1/22/2014 @ 10:30 a.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Courtesy Notification to Jonathon Kelly - NMOCD	
By Whom? Thomas Long	Date and Hour: 1/24/2014 @ 11:37a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

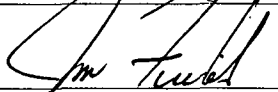
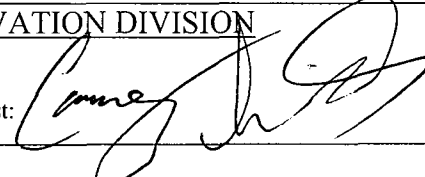
RCVD FEB 10 '14
OIL CONS. DIV.
DIST. 3

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release associated with the well tie to the Payne #221 well site. The release was due internal corrosion of to the pipeline. Approximately 35 gallons of produced water was release to the surface. The well was isolated and LOTO (lock out tag out) was applied. Repairs are completed the week of January 27, 2014.

Describe Area Affected and Cleanup Action Taken.* An area of estimated thirty-five (35) feet by three (3) feet wide was impacted. Third party environmental contractor collected closure samples during the repair activities. Approximately thirty-five barrels of water and soils associated with hydro-excavation activities were transported to a NMOCD land farm facility. A "final" c-141 will be submitted upon receipt of the corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 4/25/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-5-2014 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

#NCS 141 1845 64175

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lambe #3M Well Site	Facility Type: Well Site Meter Run/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter O	Section 21	Township 31N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude **36.879697** Longitude **-107.885211**

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: 113 MCF	Volume Recovered: Unknown
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/12/2013 @ 1:30 p.m	Date and Hour of Discovery: 12/12/2013 @ 1:30 p.m
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVDFER 10 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

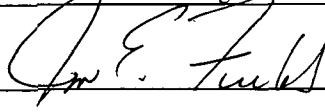
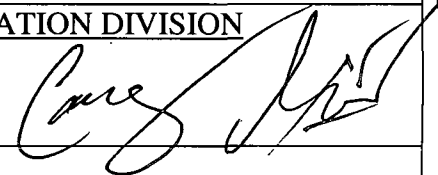
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Measurement technician found gas leaking from the orifice flange and the upstream flange when he visited location to calibrate meter. The technician locked and tagged out meter run and replaced both flange gaskets. There was not visual damage to the meter tube.

Describe Area Affected and Cleanup Action Taken.*

An area of approximately 25 feet long by 25 feet wide was affected. Third party environmental oversaw remediation activities and collected closure samples. Approximately thirty-six (36) cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved land farm facility. A third party corrective action report is included with this "final" c-141.

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

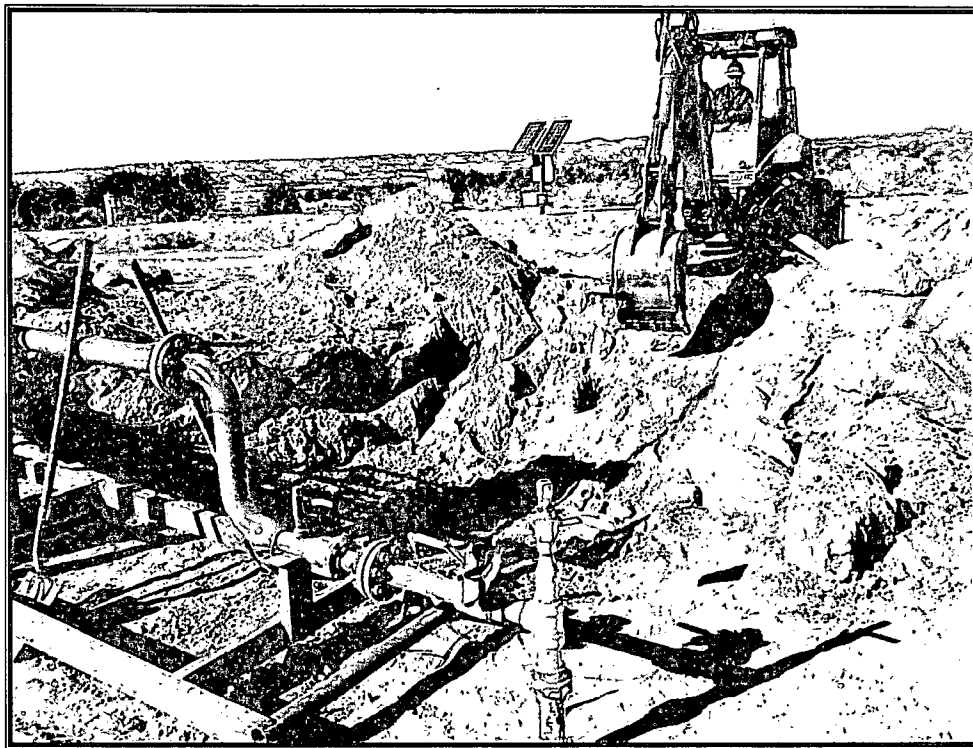
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Director, Field Compliance	Approval Date: 5/9/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-5-2014 Phone: (713) 381-6684		

* Attach Additional Sheets If Necessary

#NCS 141 2929 444

(38)

Enterprise Products
Lambe #3M Meter Run Release
Latitude North 36.879697, Longitude West -107.885211
Unit O Section 21 T31N R10W
San Juan County, New Mexico
January 27, 2014



Submitted To:

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

Submitted By:

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

OIL CONS. DIV DIST. 3
MAY 06 2014



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1.0 Executive Summary

Between December 23 and 27, 2013, Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the Lambe #3M meter run. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION				
Name	Lambe #3M Meter Run Release			
Location	Latitude/Longitude		Section, Township, Range (SW/SE)	
	36.879697	-107.885211	Unit O Section 21	T 31N, R 10W
Date Reported	December 18, 2013			
	Thomas Long			
Land Owner	Bureau of Land Management (BLM)			
Reported To	New Mexico Oil Conservation Division (NMOCD) and BLM			
Diameter of Pipeline	2 inches			
Source of Release	Freezing			
Release Contents	Natural Gas Liquids/Condensate			
Release Volume: Natural Gas	133 MCF			
Release Volume: Liquids/Condensate	Unknown			
Nearest Waterway	Hart Canyon			
Depth to Groundwater	Greater than 100 feet			
Nearest Domestic Water Source	Greater than 200 feet			
NMOCD Ranking	10			
SMA Response Dates	12/23/13, 12/24/13, 12/26/13, and 12/27/2013			
Subcontractors	Energy Maintenance Services (EMS)			
Disposal Facility	Industrial Ecosystems Incorporated (IEI)			
Yd ³ Contaminated Soil Excavated and Disposed	36			

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the 2-inch meter run release. The release was due to the meter run freezing and 133 MCF of Natural Gas was lost. The amount of Liquids/Condensate lost is unknown. The release was reported December 18, 2013 and was located in (SW/SE) Unit O, Section 21, Township 31 North, Range 10 West, 36.879697, -107.885211, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located approximately 500 feet south of an unnamed wash that is a tributary to the Hart Canyon wash on land owned by BLM with an elevation of approximately 6,200 feet above sea level. After evaluation of the sites using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, two wells were located within a 1-mile radius of the site, but there is no anticipated impact to these wells.

The physical location of this release is within the jurisdiction of BLM and NMOCD. This release location has been assigned a NMOCD ranking of 10 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm total benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 1,000 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

Upon discovery of the release, Enterprise personnel repaired the leaking meter tube. On December 23, 24, 26 and 27, 2013, SMA mobilized to the release site to oversee excavation activities and to delineate the release area through field screening using a calibrated photoionization detector (PID). During the excavation, soil samples were collected for field screening to determine the extent of the release. Under the supervision and direction of SMA, EMS excavated and transported the hydrocarbon impacted soil. Tables 3 summarize the field screening results. Field notes for these events are included in Appendix A.

The final excavation measured approximately 25 feet long by 25 feet wide with the excavation depth ranging from approximately 0.75 feet to 3.5 feet below ground surface.

Field screening of the excavated material determined that the soils removed were not suitable for use as backfill material. Approximately 36 cubic yards of impacted soil was transported to Industrial Ecosystems Inc. Landfarm, on Crouch Mesa near Bloomfield, New Mexico for disposal. A certificate of waste is included in Appendix C.

All laboratory soil samples were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation and laboratory results.

5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 10: 10 ppm benzene, 50 ppm total BTEX, and 1000 ppm TPH. Sample SC-20 exceeded the individual standards for Toluene (0.056ppm) and DRO (23ppm), but both were below the NMOCD Guideline concentrations for total BTEX and TPH, respectively. Laboratory analysis of the excavation detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines for all other samples. The impacted soil was hauled off site for disposal. Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

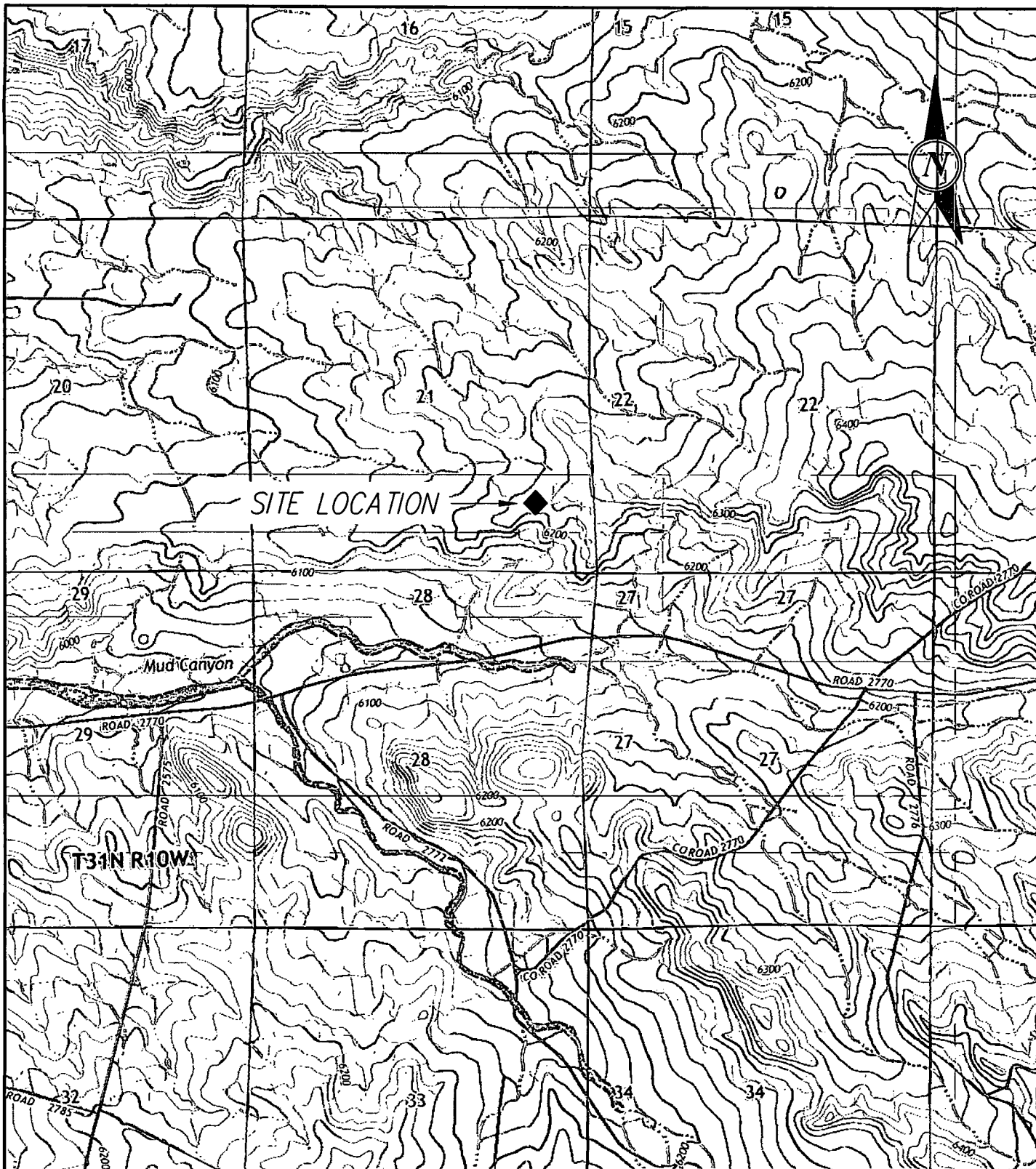


Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist

FIGURES



SCALE

0' 1000' 2000' 4000'



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

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

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ENTERPRISE

FARMINGTON, NEW MEXICO

Designed SM Drawn DJB Checked RSA

Date: 1/3/2014

Scale: Horiz: 1"=2000'

Vert: N/A

Project No: 5122104

Sheet: 1

VICINITY MAP

LAMBE #3M

SECTION 21, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

P:\S-Enterprise MSA (2013) 5122104\B025 - Lambe #3\CAD\Civil\LOCATION MAP.dwg, SJM, 1/22/2014 10:52 AM

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

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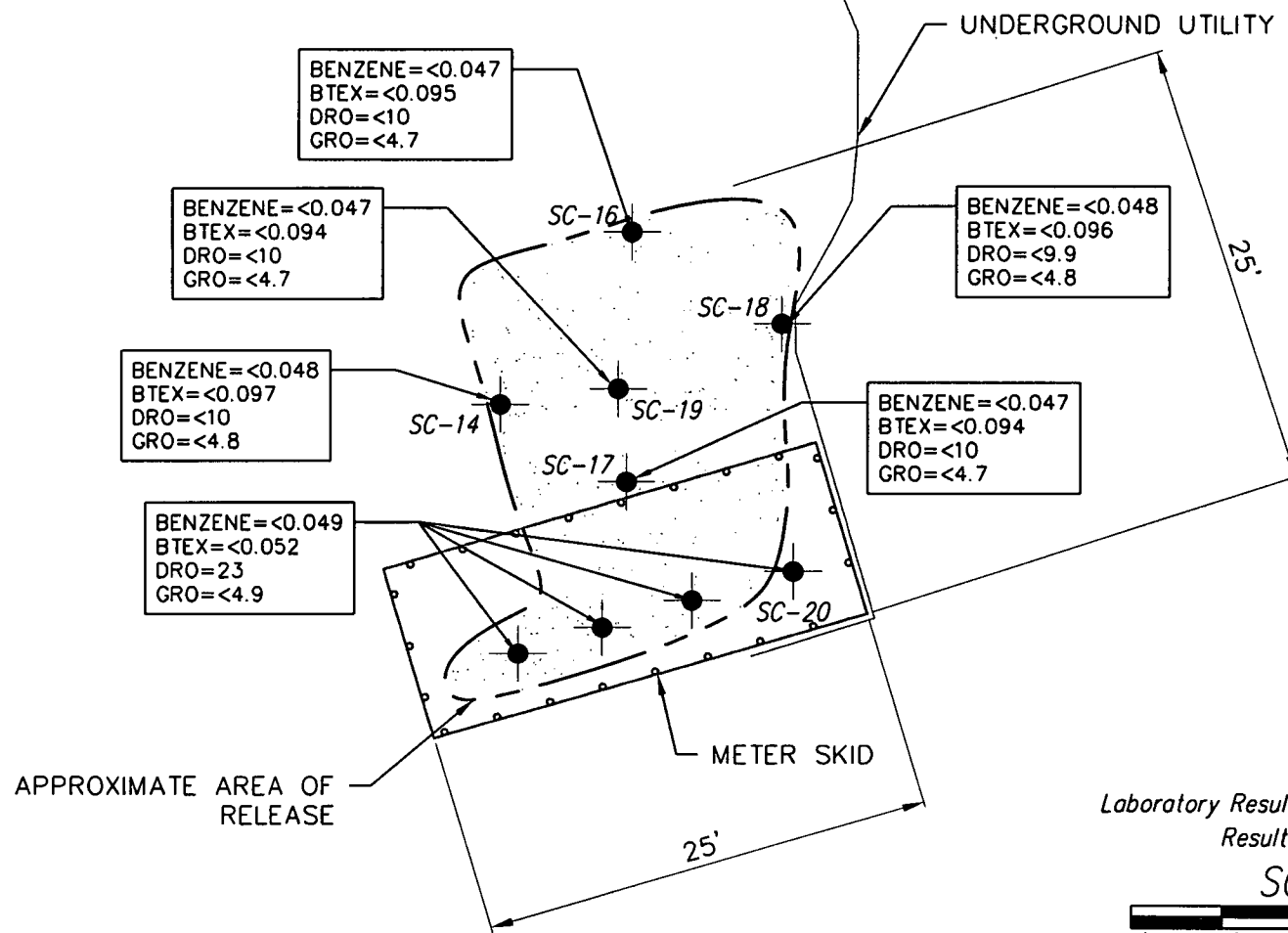
FARMINGTON, NEW MEXICO

SITE LOCATION MAP
LAMBE #3M
SECTION 21, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

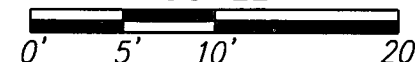
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Project No:	5122104	
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Laboratory Results Reported 1/9/2014
Results in mg/kg

SCALE



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FARMINGTON, NM 87401

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ENTERPRISE

FARMINGTON, NEW MEXICO

SOIL CONTAMINANT CONCENTRATION MAP
LAMBE #3M
SECTION 15, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 1/3/2014		
Scale: Horiz: 1"=10' Vert: N/A		
Project No: 5122104		
Sheet: 3		

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

TABLES

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		Verified using Google earth and Topo Maps; Field verified	Closest waterway is a unnamed wash that is a tributary to Hart Canyon 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		Verified using Google earth and Topo Maps; Field verified	Closest waterway is a unnamed wash that is a tributary to Hart Canyon Wash.
200'-1000' = 10	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?		New Mexico State Engineer's Office online water well data base	No water wells located within 1000'; Two wells located within a 1 mile radius
<200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0		
Total Site Ranking	10		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



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

Lambe # 3M
Meter Run Release
1/27/2014

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
12/23/2013	10:30	SC-1	0	95.3	N
12/23/2013	10:32	SC-2	0	241.3	N
12/23/2013	10:33	SC-3	0	252.9	N
12/23/2013	10:34	SC-4	0	3.3	N
12/23/2013	10:35	SC-5	0	60.2	N
12/23/2013	10:36	SC-6	0	1.8	N
12/23/2013	11:05	SC-7	0.25	667.1	N
12/26/2013	11:30	SC-8	1.50	38.4	N
12/27/2013	9:42	SC-9 Comp.	0.25	1304	N
12/27/2013	9:50	SC-10	0.25	1257	N
12/27/2013	10:45	SC-11 N. Wall	0.30	1431	N
12/27/2013	10:46	SC-12 E. Wall	0.30	1787	N
12/27/2013	10:47	SC-13 S. Wall	0.30	409.8	N
12/27/2013	10:48	SC-14 W. Wall	0.30	163.8	Y
12/27/2013	10:49	SC-15 Base	3.00	612.1	N
12/27/2013	11:55	SC-16 N. Wall	3.50	11.2	Y
12/27/2013	11:56	SC-17 S. Wall Comp.	3.50	198.8	Y
12/27/2013	11:57	SC-18 E. Wall Comp.	3.50	51.5	Y
12/27/2013	11:59	SC-19 Base Comp.	3.50	38.2	Y
12/27/2013	12:17	SC-20 Skid	0.75	96.2	Y



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 10		1,000ppm		10ppm	50ppm
12/27/2013	10:48	SC-14 W Wall	3.0	<4.8	<10	<0.048	<0.097
12/27/2013	11:55	SC-16 N Wall	3.5	<4.7	<10	<0.047	<0.095
12/27/2013	11:56	SC- 17 S Wall	3.5	<4.7	<10	<0.047	<0.094
12/27/2013	11:57	SC-18 E Wall	3.5	<4.8	<9.9	<0.048	<0.096
12/27/2013	11:59	SC-19 Base	3.5	<4.7	<10	<0.047	<0.094
12/27/2013	12:17	SC- 20 Skid	0.8	<4.9	23	<0.049	0.052



APPENDIX A

FIELD NOTES

SUBJECT Lamba #3M

PROJECT

PAGE

CLIENT EPcoDATE 12/23/13BY JJM

CHECKED

BY

- S. masked on site @ 10:20
- Bump test PID: 100.7 ppm
- Sign EPco work permit, re-form JMTA safety form
- No visible staining; EMS on site and already tested/sieved impacted material (approx. 2 yds)
- collect field screen samples from surface

2" above ground meter run release

Location	Depth	PID	Time Collected	Time Screened
Sc-1	Surface	95.3	1030	1046
Sc-2		241.3	1032	1047
Sc-3		252.9	1033	1048
Sc-4		3.3	1034	1048
Sc-5		60.2	1035	1049
Sc-6		1.3	1036	1050
Sc-7	0.25' bgs	66-7.1	1105	1113

- Ground hard/frozen. Only shovels & rakes available for excavation.

- Coordinate and schedule for backhoe, dump truck & backfill material to return on 12/26/13.

- Off site @ 11:45

12/26/13

- on site @ 10:00, conduct HASP and sign in w/ EPco Safe work permit, EMS not on site.
- EMS on site @ 10:30, tailgate HASP
- Bump test PID: 100.7
- Job shutdown due to EPco not having excavation permit or competent person. off site @ 12:00

SUBJECT Lambe #3m

PROJECT

PAGE

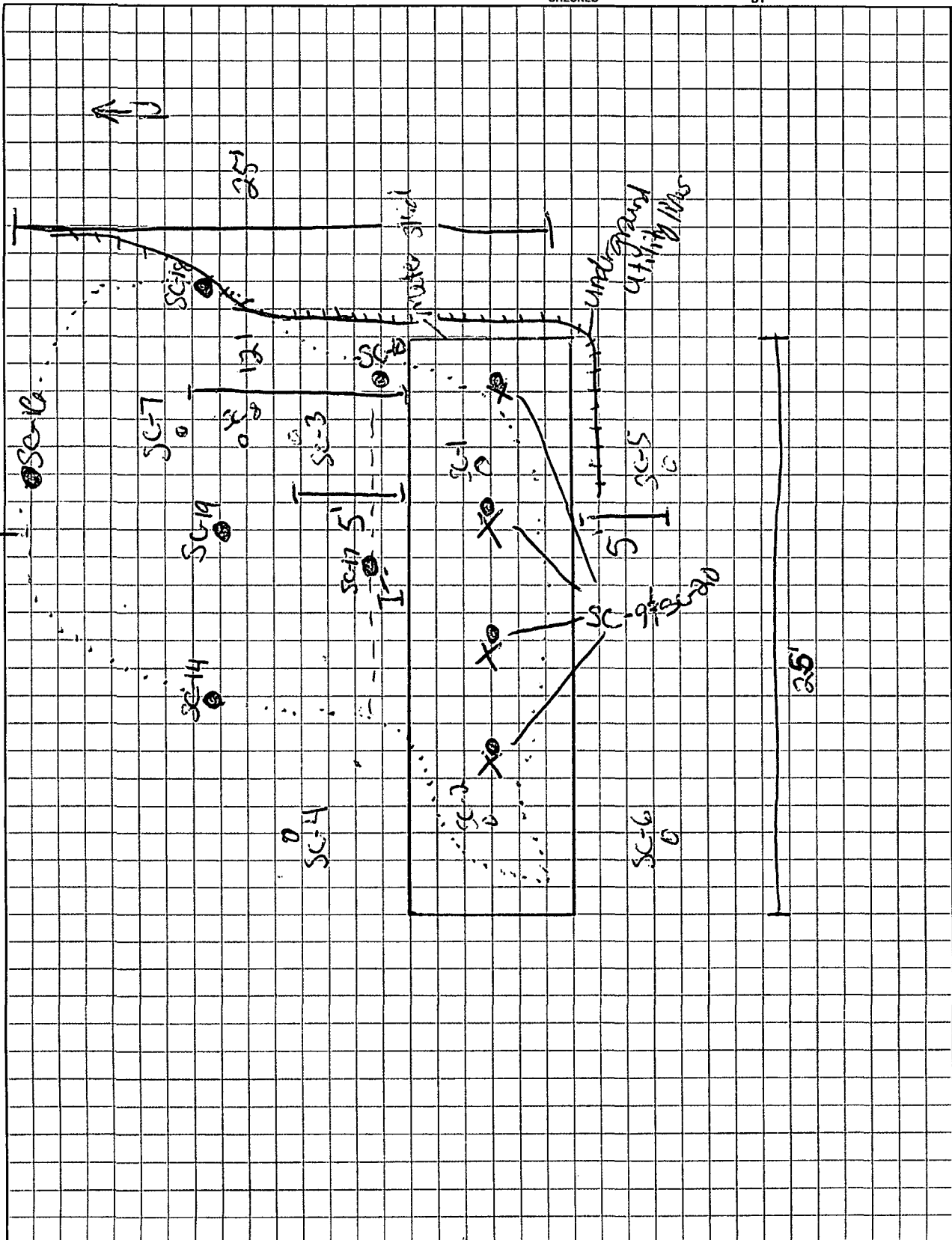
CLIENT EPCO

DATE 12/24, 12/26/13 SJM

CHECKED

BY

Approx Area of release



SUBJECT Lamba #3M

PROJECT

PAGE

CLIENT EPCODATE 12/26/13BY SJM

CHECKED

BY

Location		Depth	PID	Sample collection	Sample Screen
12/27/13	SC-8	1.5'	38.4	1130	1137
	SC-9	0.25' (Composite)	130.4	0942	0955
	SC-10	0.25'	125.7	0950	0958
	SC-11 Muall	0-3	148.1	1045	059
	SC-12 E wall	0-3	178.7	1046	1059
	SC-13 S wall	0-3	409.8	1047	1100
	SC-14 W wall	0-3	166.8	1048	1101
	SC-15 Base	3.0	612.1	1049	1102
	SC-16 Muall	Comp 0-3.5	11.2	1155	1210
	SC-17 S wall S wall	Comp 0-3.5	30.0 PB.8	1156	1211
	SC-18 E wall	Comp 0-3.5	51.5	1157	1212
	SC-19 Base	3.5 (Comp)	38.2	1159	1213
	SC-20 Skid	0.75	96.2	1217	1231

- Material excavated was hauled to IEI.

- Off site @ 1315

APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products for the Lambe #3M Meter Run Release

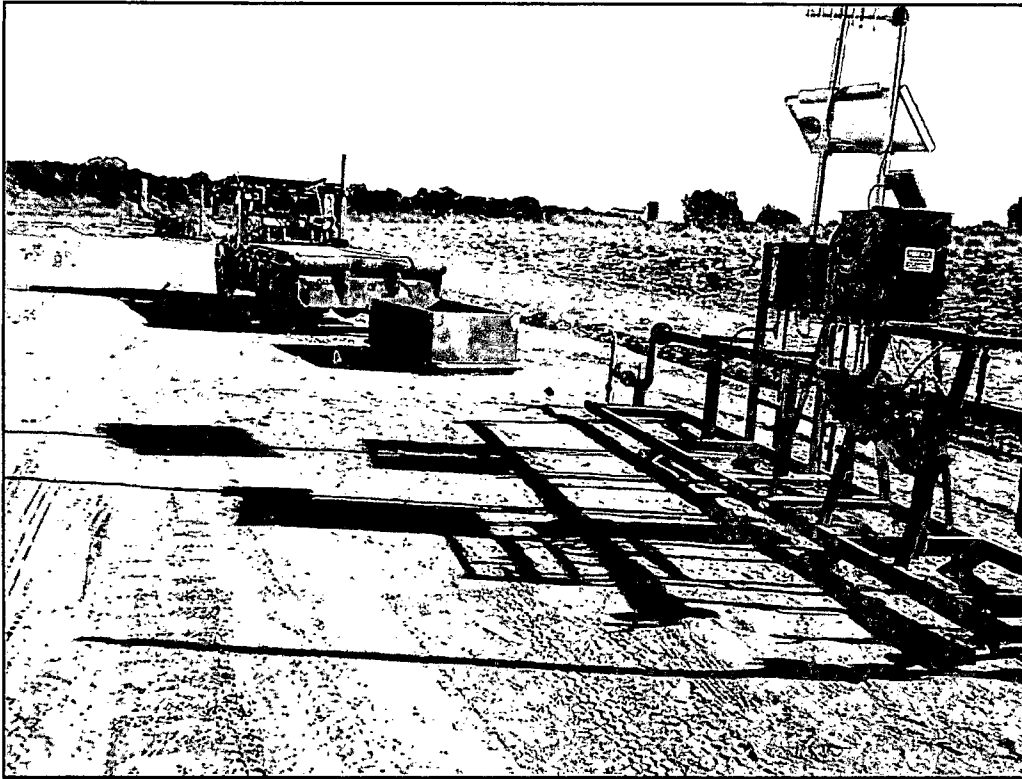


Photo 1: View of the Lambe #3M Meter Run release at the beginning of excavation activities.

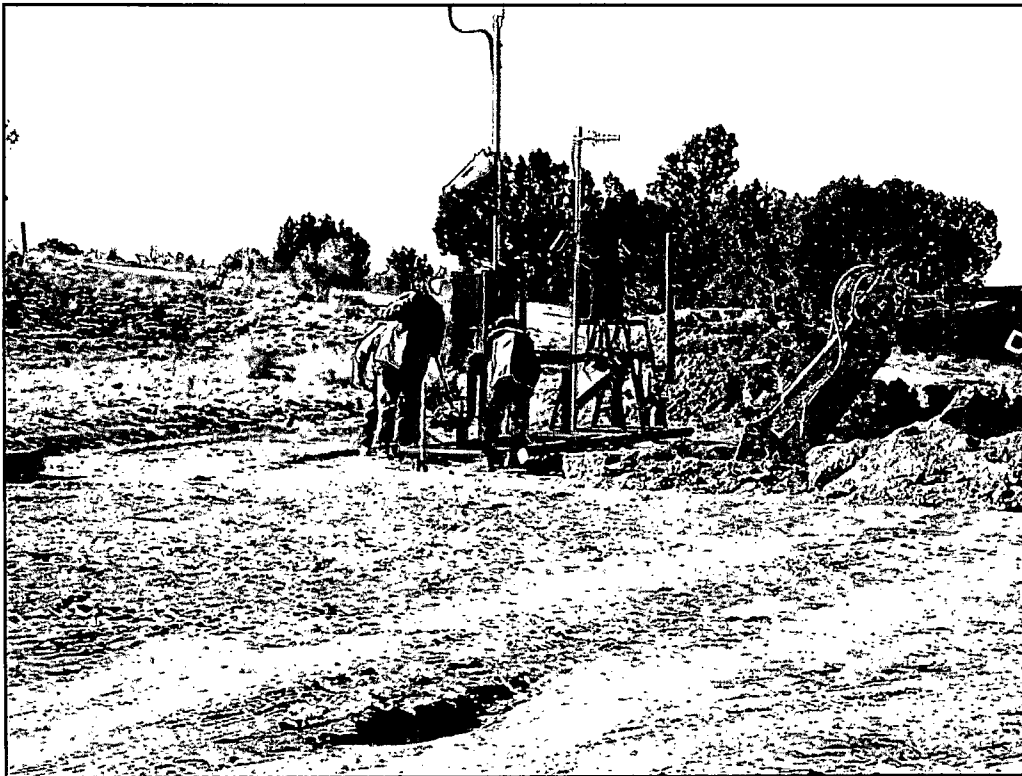


Photo 2: View of the Lambe #3M remediation activities beneath the meter skid.

Site Photographs
Enterprise Products for the Lambe #3M Meter Run Release

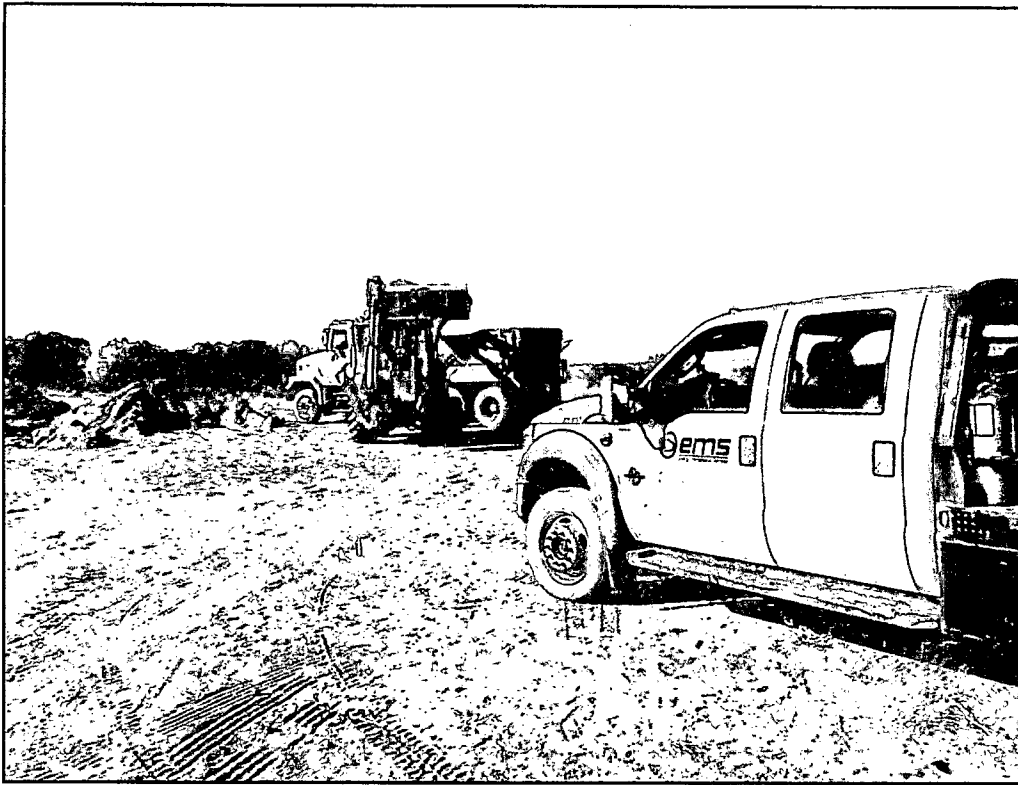


Photo 3: Photo documentation of impacted material being loaded for offsite disposal.

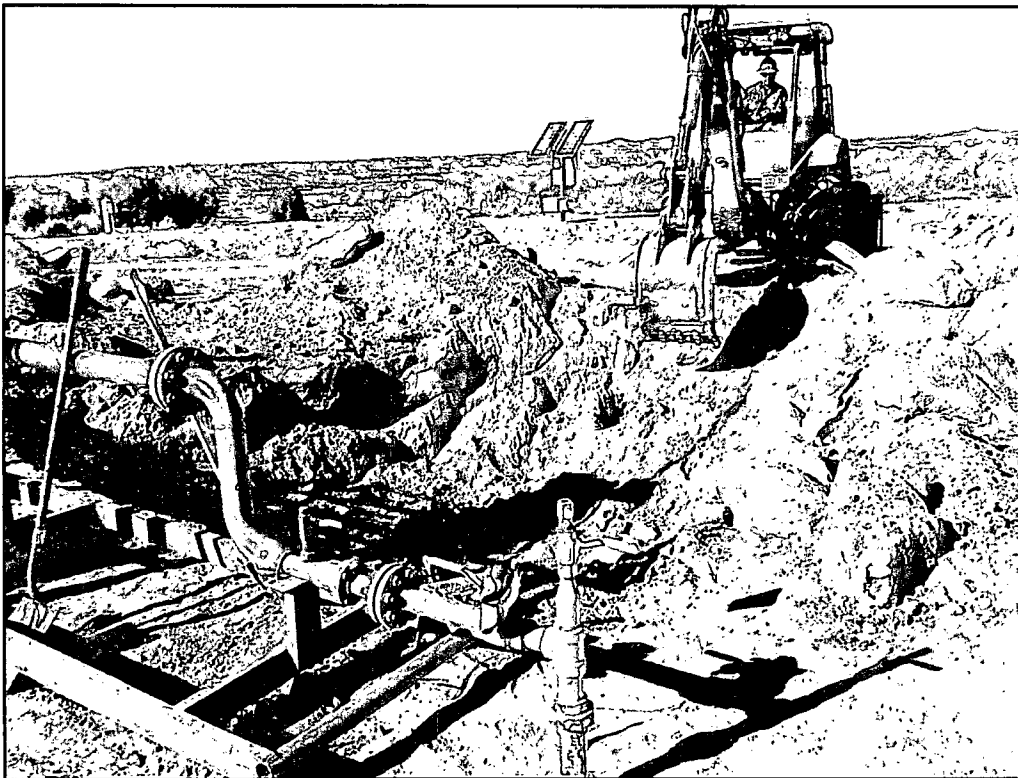


Photo 4: Near the final extent of the excavation on the Lambe #3M site.

Site Photographs
Enterprise Products for the Lambe #3M Meter Run Release



Photo 5: Photo of backfilling activities around the meter skid using imported material.



Photo 6: Backfilling activities of the larger portion of the Lambe #3M excavation.

APPENDIX C
SOIL DISPOSAL DOCUMENTATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
90 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	W/O #499163
2. Originating Site: Lambe #3M Well Site	
3. Location of Material (Street Address, City, State or ULSTR): Unit J Sec 21 T 31 N R 10 W, San Juan County, NM; 36.87996, -107.88506	
4. Source and Description of Waste: Source: Orifice Flange on a Meter Tube Description: Natural Gas Liquids (Condensate and Water) released from a meter tube Estimated Volume <u>10</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) <u>34</u> yd ³ / bbls	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Thomas Long <i>Thomas Long</i> , representative or authorized agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261 subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Thomas Long <i>Thomas Long</i> , representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, <i>[Signature]</i> , representative for <u>IEI, Inc.</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the same have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
5. Transporter: To Be Determined	

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: #49 CR 2150 Aztec, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: L. Machado
SIGNATURE: *[Signature]*
Surface Waste Management Facility Authorized Agent

TITLE: Land Farm Administrator
TELEPHONE NO.: 505-632-1782

DATE: 12-27-13

12-23-13

APPENDIX D

LABORATORY ANALYTICAL REPORTS



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

January 09, 2014

Steve Moskal

Souder, Miller and Associates

2101 San Juan Boulevard

Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: Lambe 3M

OrderNo.: 1312C66

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/30/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-14-W. Wall @ 3'**Project:** Lambe 3M**Collection Date:** 12/27/2013 10:48:00 AM**Lab ID:** 1312C66-001**Matrix:** SOIL**Received Date:** 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/2/2014 2:03:08 PM	11030
Surr: DNOP	67.4	66-131		%REC	1	1/2/2014 2:03:08 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/2/2014 3:52:27 PM	11036
Surr: BFB	98.1	74.5-129		%REC	1	1/2/2014 3:52:27 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	1/2/2014 3:52:27 PM	11036
Toluene	ND	0.048		mg/Kg	1	1/2/2014 3:52:27 PM	11036
Ethylbenzene	ND	0.048		mg/Kg	1	1/2/2014 3:52:27 PM	11036
Xylenes, Total	ND	0.097		mg/Kg	1	1/2/2014 3:52:27 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	1/2/2014 3:52:27 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-16-N. Wall @ 3.5'

Project: Lambe 3M

Collection Date: 12/27/2013 11:55:00 AM

Lab ID: 1312C66-002

Matrix: SOIL

Received Date: 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/2/2014 2:26:06 PM	11030
Surr: DNOP	86.4	66-131		%REC	1	1/2/2014 2:26:06 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/2/2014 5:18:15 PM	11036
Surr: BFB	89.9	74.5-129		%REC	1	1/2/2014 5:18:15 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/2/2014 5:18:15 PM	11036
Toluene	ND	0.047		mg/Kg	1	1/2/2014 5:18:15 PM	11036
Ethylbenzene	ND	0.047		mg/Kg	1	1/2/2014 5:18:15 PM	11036
Xylenes, Total	ND	0.095		mg/Kg	1	1/2/2014 5:18:15 PM	11036
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	1/2/2014 5:18:15 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-17-S. Wall @ 3.5'

Project: Lambe 3M

Collection Date: 12/27/2013 11:56:00 AM

Lab ID: 1312C66-003

Matrix: SOIL

Received Date: 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/2/2014 2:48:10 PM	11030
Surr: DNOP	79.6	66-131		%REC	1	1/2/2014 2:48:10 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Surr: BFB	93.9	74.5-129		%REC	1	1/2/2014 7:12:46 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Toluene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Ethylbenzene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Xylenes, Total	ND	0.094		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	1/2/2014 7:12:46 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

Hall Environmental Analysis Laboratory, Inc.
CLIENT: Souder, Miller and Associates

Client Sample ID: SC-18-E. Wall @ 3.5'

Project: Lambe 3M

Collection Date: 12/27/2013 11:57:00 AM

Lab ID: 1312C66-004

Matrix: SOIL

Received Date: 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/2/2014 3:10:25 PM	11030
Surr: DNOP	83.4	66-131		%REC	1	1/2/2014 3:10:25 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Surr: BFB	94.1	74.5-129		%REC	1	1/2/2014 7:41:22 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Toluene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Ethylbenzene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Xylenes, Total	ND	0.096		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	1/2/2014 7:41:22 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	E	Value above quantitation range
	J	Analyte detected below quantitation limits
	O	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2 for VOA and TOC only.
RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-19-Base @ 3.5'

Project: Lambe 3M

Collection Date: 12/27/2013 11:59:00 AM

Lab ID: 1312C66-005

Matrix: SOIL

Received Date: 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/2/2014 3:32:27 PM	11030
Surr: DNOP	88.4	66-131		%REC	1	1/2/2014 3:32:27 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/2/2014 8:09:55 PM	11036
Surr: BFB	90.3	74.5-129		%REC	1	1/2/2014 8:09:55 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/2/2014 8:09:55 PM	11036
Toluene	ND	0.047		mg/Kg	1	1/2/2014 8:09:55 PM	11036
Ethylbenzene	ND	0.047		mg/Kg	1	1/2/2014 8:09:55 PM	11036
Xylenes, Total	ND	0.094		mg/Kg	1	1/2/2014 8:09:55 PM	11036
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	1/2/2014 8:09:55 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312C66

Date Reported: 1/9/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-20-Skid @ 0.75'

Project: Lambe 3M

Collection Date: 12/27/2013 12:17:00 PM

Lab ID: 1312C66-006

Matrix: SOIL

Received Date: 12/30/2013 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	23	10		mg/Kg	1	1/2/2014 3:54:36 PM	11030
Surr: DNOP	82.9	66-131		%REC	1	1/2/2014 3:54:36 PM	11030
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/6/2014 6:29:06 PM	11036
Surr: BFB	89.3	74.5-129		%REC	1	1/6/2014 6:29:06 PM	11036
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/6/2014 6:29:06 PM	11036
Toluene	0.052	0.049		mg/Kg	1	1/6/2014 6:29:06 PM	11036
Ethylbenzene	ND	0.049		mg/Kg	1	1/6/2014 6:29:06 PM	11036
Xylenes, Total	ND	0.098		mg/Kg	1	1/6/2014 6:29:06 PM	11036
Surr: 4-Bromofluorobenzene	93.9	80-120		%REC	1	1/6/2014 6:29:06 PM	11036

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312C66

09-Jan-14

Client: Souder, Miller and Associates

Project: Lambe 3M

Sample ID	MB-11030	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11030	RunNo:	15821					
Prep Date:	12/31/2013	Analysis Date:	12/31/2013	SeqNo:	456574	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	8.5		10.00		84.5	66	131			

Sample ID	LCS-11030	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	11030	RunNo:	15821					
Prep Date:	12/31/2013	Analysis Date:	12/31/2013	SeqNo:	456617	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	60.8	145			
Surr: DNOP	4.6		5.000		92.0	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312C66

09-Jan-14

Client: Souder, Miller and Associates

Project: Lambe 3M

Sample ID	MB-11036	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	11036	RunNo:	15860					
Prep Date:	12/31/2013	Analysis Date:	1/2/2014	SeqNo:	457799	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	920		1000		92.4	74.5	129			

Sample ID	LCS-11036	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	11036	RunNo:	15860					
Prep Date:	12/31/2013	Analysis Date:	1/2/2014	SeqNo:	457800	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	74.5	126			
Surr: BFB	1000		1000		103	74.5	129			

Sample ID	1312C66-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-16-N. Wall @ 3.5	Batch ID:	11036	RunNo:	15860					
Prep Date:	12/31/2013	Analysis Date:	1/2/2014	SeqNo:	457803	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.63	0	116	69.5	145			
Surr: BFB	950		945.2		100	74.5	129			

Sample ID	1312C66-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-16-N. Wall @ 3.5	Batch ID:	11036	RunNo:	15860					
Prep Date:	12/31/2013	Analysis Date:	1/2/2014	SeqNo:	457804	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.63	0	111	69.5	145	4.20	20	
Surr: BFB	960		945.2		101	74.5	129	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312C66

09-Jan-14

Client: Souder, Miller and Associates

Project: Lambe 3M

Sample ID	MB-11036		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	11036		RunNo:	15860			
Prep Date:	12/31/2013		Analysis Date:	1/2/2014		SeqNo:	457835		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	1.1		1.000		106	80	120			

Sample ID	LCS-11036		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	11036		RunNo:	15860			
Prep Date:	12/31/2013		Analysis Date:	1/2/2014		SeqNo:	457836		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	113	80	120			
Toluene	1.1	0.050	1.000	0	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	111	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

Sample ID	1312C66-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	SC-14-W. Wall @ 3'		Batch ID:	11036		RunNo:	15860			
Prep Date:	12/31/2013		Analysis Date:	1/2/2014		SeqNo:	457838		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9606	0	109	67.4	135			
Toluene	1.0	0.048	0.9606	0.009749	105	72.6	135			
Ethylbenzene	1.1	0.048	0.9606	0.01072	109	69.4	143			
Xylenes, Total	3.2	0.096	2.882	0.02752	109	70.8	144			
Surr: 4-Bromofluorobenzene	1.1		0.9606		113	80	120			

Sample ID	1312C66-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	SC-14-W. Wall @ 3'		Batch ID:	11036		RunNo:	15860			
Prep Date:	12/31/2013		Analysis Date:	1/2/2014		SeqNo:	457839		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9615	0	107	67.4	135	2.10	20	
Toluene	1.0	0.048	0.9615	0.009749	104	72.6	135	1.10	20	
Ethylbenzene	1.1	0.048	0.9615	0.01072	109	69.4	143	0.0788	20	
Xylenes, Total	3.1	0.096	2.885	0.02752	108	70.8	144	0.695	20	
Surr: 4-Bromofluorobenzene	1.1		0.9615		110	80	120	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



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

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1312C66

RcptNo: 1

Received by/date:

JB

12/30/13

Logged By:

Michelle Garcia

12/30/2013 8:30:00 AM

Michelle Garcia

Completed By:

Michelle Garcia

12/31/2013 8:49:55 AM

Michelle Garcia

Reviewed By:

IO

12/31/13

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? FedEx

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

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

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	3.6	Good	Yes			

Chain-of-Custody Record

Client: Souder Miller & Associates

Mailing Address: 2101 San Juan Blvd

Farmington NM 87401

Phone #: 505-325-7535

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Lambe 3M

Project #:

5122104 BG 25

Project Manager:

Steven.moskal@soudermiller.com

Sampler: Steve Moskal

On Site: ☒ Yes ☐ No

Sample Temperature: 5.6°C



**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	HEAL No	BTEX + MTBE + TMBs (0021)	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 Bubbles (Y or N)
12/27/13	1048	Soil	SC-14-W.wall @ 3'	4oz X 1	Cool	-001	X	X	X									
	1155		SC-16-N.wall @ 3.5'			-002	X	X	X									
	1156		SC-17-S.wall @ 3.5'			-003	X	X	X									
	1157		SC-18-E.wall @ 3.5'			-004	X	X	X									
	1159		SC-19-Base @ 3.5'			-005	X	X	X									
	1217		SC-20-Skid @ 0.75'			-006	X	X	X									

Date: 12/27/13 Time: 1700 Relinquished by: [Signature]

Received by: [Signature] Date: 12/31/13 Time: 0830

Remarks: Please Invoice to SMTA & copy report to
Shawn chubuck@soudermiller.com

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

☒ Updated Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lateral C-7 Line Leak	Facility Type: Gas gathering system pipeline	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

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

Latitude 36.610106 Longitude -107.740523

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: 445 MCF	Volume Recovered: Unknown
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: 12/9/2013	Date and Hour of Discovery: 12/9/2013 @10:30 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, NMOCD	
By Whom? Thomas Long	Date and Hour 12/9/13 @ 10:25 a.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	

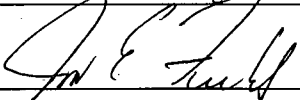

If a Watercourse was Impacted, Describe Fully.* A small unnamed ephemeral wash intersects CR 7007 and the release area. No visible surface impacts.

Describe Cause of Problem and Remedial Action Taken.* A technician discovered a pipeline leak on the Lateral C-7 pipeline. The line was isolated, depressurized and LOTO was applied. The release area is along the west side of CR 7007. The suspected cause is internal corrosion.

RCVD FEB 10 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.* Impacted area is along CR 7007. No noticeable surface impacts. Temporary repairs and initial remediation actions were completed in December 2013. Approximately 234 cubic yards of hydrocarbon impacted soil was excavated and transported to a NMOCD approved landfill facility. Additional maintenance and remediation is schedule during the spring of 2014. Third party environmental contractor will oversee future remediation activities. A third party environmental contractor report is included with this "updated" C-141.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>5/2/14</u>	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval: <u>Continue Remediation</u>	Attached <input type="checkbox"/>
Date: <u>2-5-2014</u> Phone: (713) 381-6684		

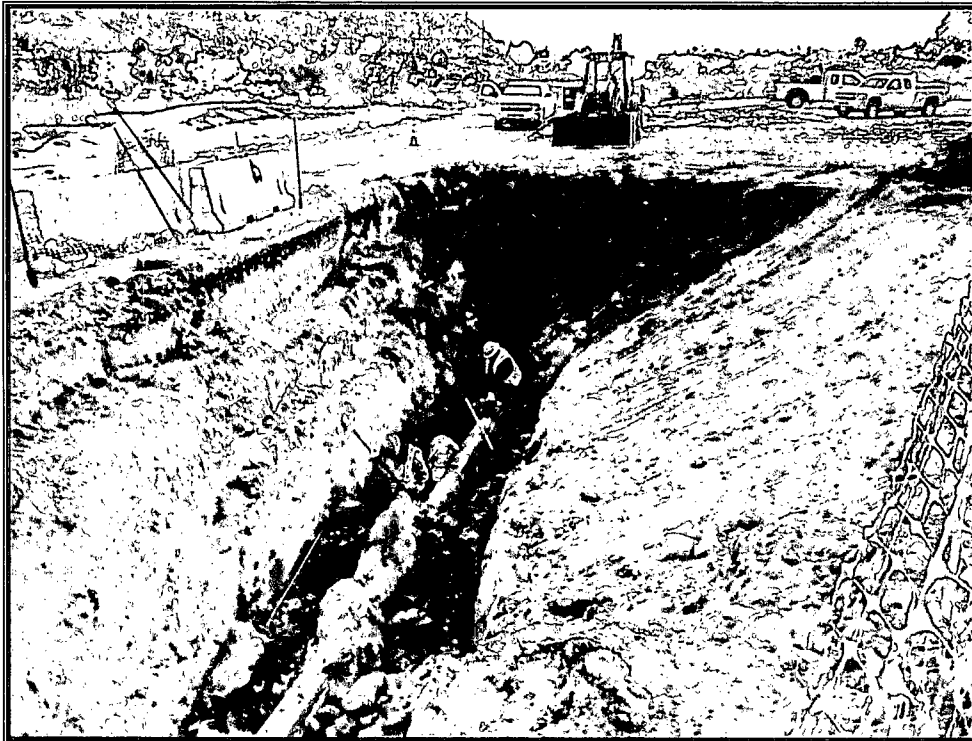
* Attach Additional Sheets If Necessary

NCS 1412253118
Facility ID
Enterprise pipeline San Juan

(17)

Enterprise Products
Lateral C-7 Pipeline Release
Latitude North 36.61010, Longitude West -107.74052
Unit C Section 1 T27N R9W
San Juan County, New Mexico
January 10, 2014

RCVD FEB 10 '14
OIL CONS. DIV.
DIST. 3



Submitted To:

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

Submitted By:

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



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Table 2: Site Ranking

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Table 4: Summary of Laboratory Analysis

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Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation

Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

On December 6, 7, 9, 10, 11, 12, 2013, 13, 14, and 16, 2013 Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the Lateral C-7 pipeline. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION					
Name	Lateral C-7 Pipeline Release				
Location	Latitude/Longitude		Section, Township, Range		
	36.61010	-107.74052	Unit C	Section 1	T 27N, R 9W
Date Reported	December 5, 2013				
	Keith Roddy				
Land Owner	Bureau of Land Management (BLM)				
Reported To	BLM, NM Oil Conservation Division (NMOCD)				
Diameter of Pipeline	10 inches				
Source of Release	Internal Corrosion, Faulty Welds				
Release Contents	Natural Gas Liquids/Condensate				
Release Volume	Unknown				
Nearest Waterway	Unnamed Tributary Wash to Blanco Wash				
Depth to Groundwater	Assumed to be less than 50 feet				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	40				
SMA Response Dates	12/6/13, 12/7/13, 12/9/13, 12/10/13, 12/11/13, 12/12/13, 12/13/13, 12/14/13, and 12/16/13				
Subcontractors	West States Energy Contractors (WSEC)				
Disposal Facility	Envirotech Landfarm				
Yd ³ Contaminated Soil Excavated and Disposed	234				

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Lateral C-7 pipeline. The C-7 pipeline release was a result of internal corrosion and faulty spiral welds associated with the steel pipeline. In all, 10 release points were identified in an approximately 30 foot section of the 10 inch steel pipeline. The release was reported on December 5, 2013. The pipeline is located in Unit C, Section 1, Township 27 North, Range 9 West, 36.61010, -107.74052, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

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

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site, wells were located within a 1 mile radius of the site. However, there is no anticipated impact pertaining to these wells. The physical location of this release is within the jurisdiction of the Bureau of Land Management. This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On December 6-7, 2013, December 9-14, 2013, and December 16, 2013 SMA mobilized to the release site to oversee excavation activities and to further delineate the release area through field screening on the excavation side walls, base and stock piled soil. Under the supervision of SMA, WSEC excavated the hydrocarbon impacted soil. WSEC identified 10 release points along an approximately 30 foot section of the steel pipeline. WSEC repaired the pipeline using an external coating method. SMA guided the excavation activities by collecting soil samples for field screening with a calibrated photo-ionization detector (PID). Table 3 summarizes the field screening results. Field notes are included in Appendix A.

Field screening results indicated that hydrocarbon impacted soil still remained after excavation ended. Two sets of soil samples were submitted for laboratory analysis. The first set was submitted on December 10, 2013 to determine the approximate horizontal and vertical extents of contamination and contaminant concentrations. The second set of samples was submitted on December 17, 2013 to confirm the status at the time of backfilling the excavation.

Soil samples for laboratory analysis were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 2 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

The final excavation dimensions were approximately 135 feet long by 18 feet wide and 12 to 18 feet deep, covering an area of approximately 2,430 square feet. In total, approximately 1350 cubic yards of material were excavated. The vertical extent of the Trackhoe was met at a depth of 18 feet. Site photography is included in Appendix B. Approximately 234 cubic yards of hydrocarbon contaminated soil were excavated and transported by WSEC to Envirotech Land Farm near Bloomfield, New Mexico for proper disposal. Soil disposal documentation is included in Appendix C.

5.0 Conclusions and Recommendations

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

Laboratory analytical results for samples collected on December 11, 2013 indicated that the north, east and west walls exceeded NMOCD Guidelines. Further, the base of the excavation from the pipeline release points to the northern extent of the excavation exceeded NMOCD Guidelines. At the conclusion of the excavation on December 16, 2013, samples collected on the west wall near the pipeline release area (SC-38: TPH 3,100 ppm, BTEX 634 ppm and benzene 23 ppm and SC-41: TPH 1,110 ppm) exceeded NMOCD Guidelines. Samples collected at the base of the excavation near the pipeline release, at 18 feet bgs (SC-40: TPH 2,480 ppm, Benzene 39 ppm, and BTEX 389 and SC-43: TPH 4,800 ppm, Benzene 35 ppm, and BTEX 525 ppm), also exceeded NMOCD Guidelines. Samples collected on the north side (SC-30, SC-33 and SC-34) and the south side (SC-37) demonstrated detection of benzene, BTEX and TPH below NMOCD Guidelines.

Soil contaminant concentrations are illustrated in Figure 2. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA understands that Enterprise Products plans for future excavation and additional repairs to the faulty section of pipeline. During the future work, SMA recommends further field screening of soil for contamination and excavation of the west wall, east wall and along the base near the release points along the pipeline. An approach to delineating remaining contamination to the east, prior to excavating adjacent to the east edge of the road, would be to install soil borings in the road to a minimum depth of 18 feet.

6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

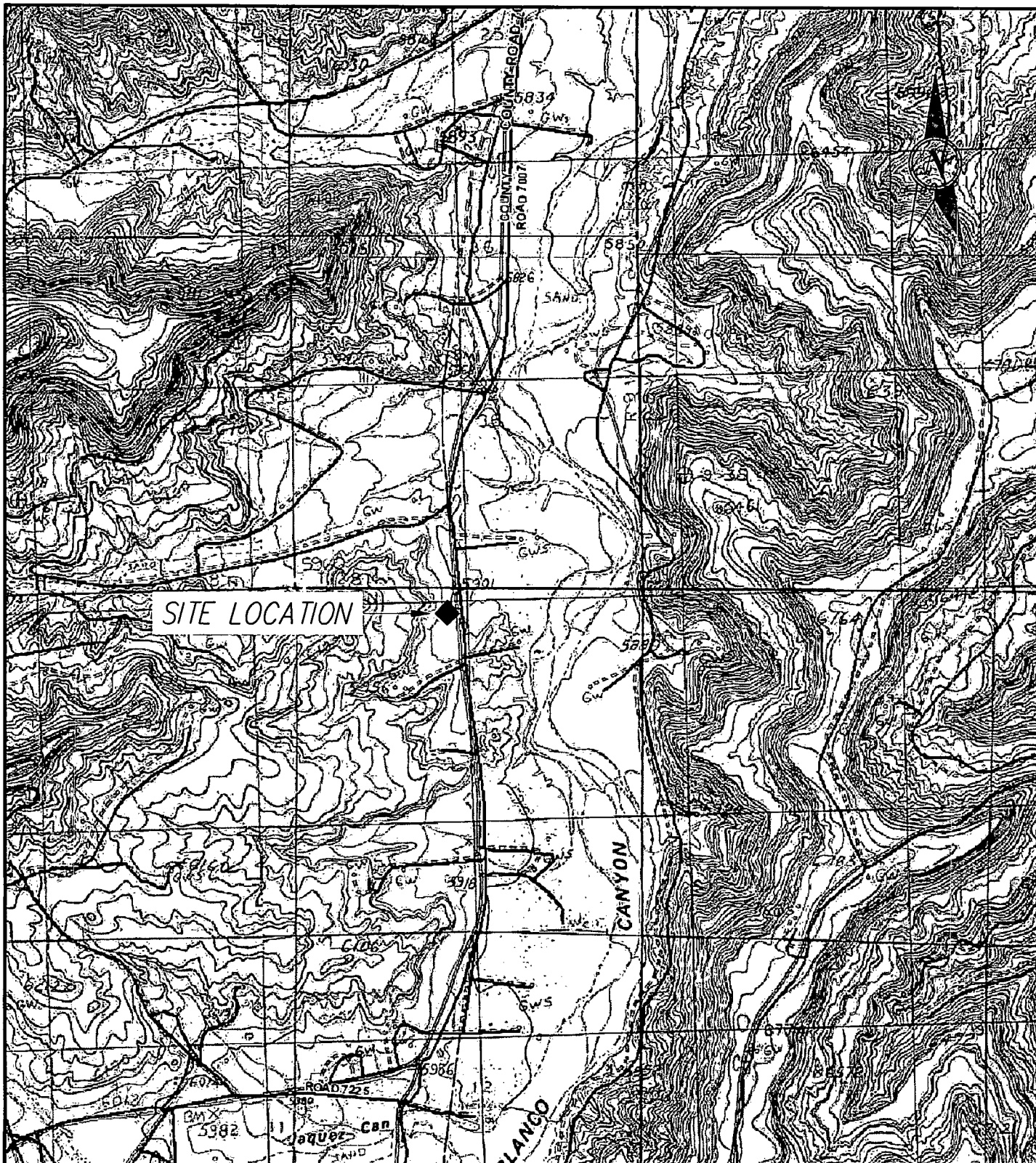


Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist

FIGURES



SOUDER, MILLER & ASSOCIATES
 2101 SAN JUAN BOULEVARD
 FARMINGTON, NM 87401-2247
 Phone (505) 325-7335 Toll-Free (800) 519-0098 Fax (505) 325-0045
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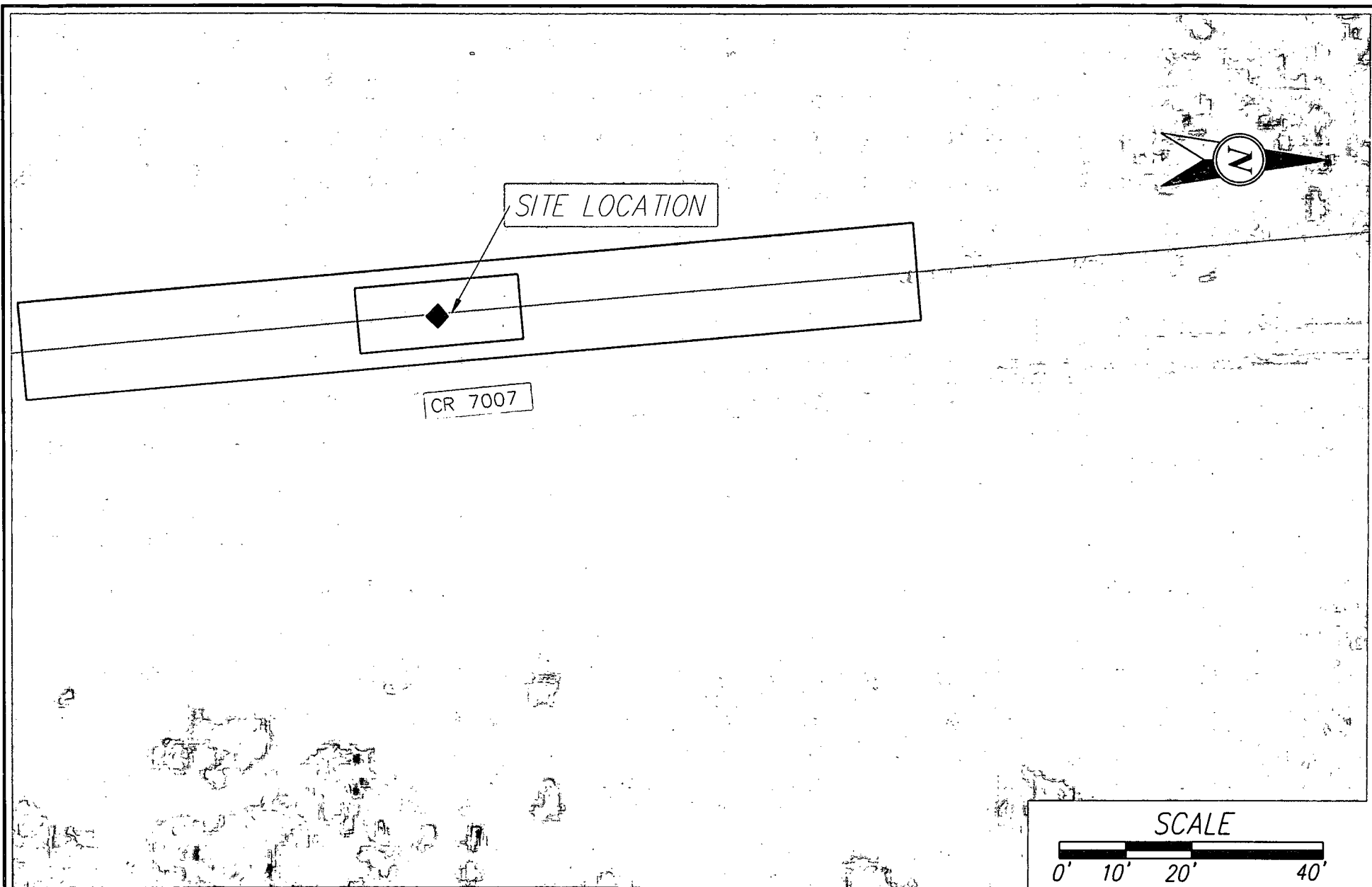
ENTERPRISE

FARMINGTON, NEW MEXICO

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

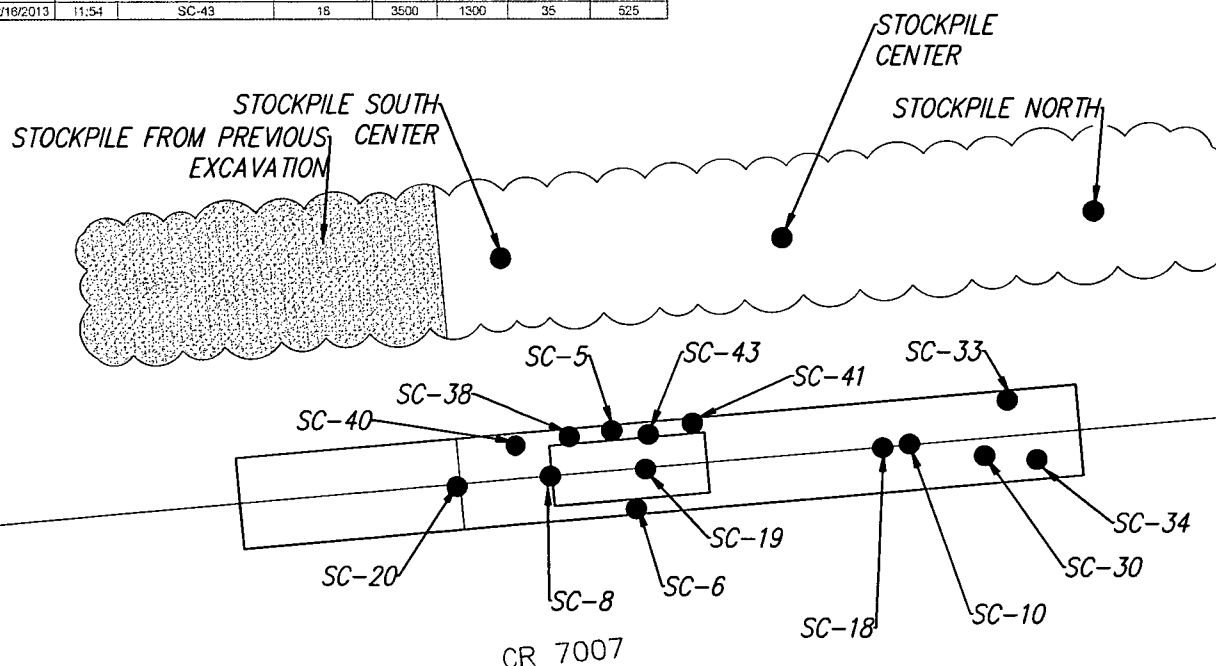
VICINITY MAP
LATERAL C-7
SECTION 1, T27N, R9W

SAN JUAN COUNTY, NEW MEXICO



THIS DRAWING IS COMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED AND DATED	<p>Engineering Environmental Surveying</p>	<p>SOUDER, MILLER & ASSOCIATES 2101 SAN JUAN BOULEVARD FARMINGTON, NM 87401-2247 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045 www.soudermiller.com Serving the Southwest & Rocky Mountains Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM • El Paso, TX Cortez • Grand Junction • Montrose, CO • Safford, AZ • Moab, UT</p>	ENTERPRISE SAN JUAN COUNTY, NEW MEXICO	FARMINGTON, NEW MEXICO SITE LOCATION MAP LATERAL C-7 SECTION 1, T27N, R9W	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td style="width: 33%;">Designed SM</td> <td style="width: 33%;">Drawn DJB</td> <td style="width: 33%;">Checked RSA</td> </tr> <tr> <td colspan="3">Date: 1/3/2014</td> </tr> <tr> <td colspan="3">Scale: Horiz: 1"=20'</td> </tr> <tr> <td colspan="3">Vert: N/A</td> </tr> <tr> <td colspan="3">Project No: 5122104</td> </tr> <tr> <td colspan="3">Sheet: 2</td> </tr> </table>	Designed SM	Drawn DJB	Checked RSA	Date: 1/3/2014			Scale: Horiz: 1"=20'			Vert: N/A			Project No: 5122104			Sheet: 2		
	Designed SM	Drawn DJB	Checked RSA																				
	Date: 1/3/2014																						
	Scale: Horiz: 1"=20'																						
Vert: N/A																							
Project No: 5122104																							
Sheet: 2																							

LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOC Guidelines		NMOC Site Ranking: 40		100 ppm		10 ppm	50 ppm
12/7/2013	11:25	SC-5 West Wall	10	1100	940	3.6	125.8
12/7/2013	11:37	SC-6 East Wall	10	980	820	1.1	80.8
12/7/2013	11:58	SC-10 North Wall	10	59	80	<0.037	5.1
12/7/2013	12:00	Stockpile South Center	0	160	230	<0.11	4.48
12/7/2013	12:03	Stockpile Mid Comp	0	34	32	<0.038	1.36
12/7/2013	12:05	Stockpile North Comp	0	36	19	<0.039	1.8
12/9/2013	1:05	SC-6 West Wall	0	<4.3	11	<0.043	0.10
12/9/2013	2:30	SC-6 Base	14	1300	610	7.7	197.7
12/9/2013	2:32	SC-19 Base	14	1000	930	2.7	115.3
12/9/2013	2:33	SC-20 Base	14	<4.3	<10	<0.043	<0.086
12/9/2013	3:20	SC-21 Stockpile South Comp	0	<3.5	<10	<0.035	0.218
12/14/2013	9:35	SC-30	15	<4.8	<10	<0.048	0.15
12/14/2013	9:52	SC-33	10	<5	<10	<0.050	<0.099
12/14/2013	9:55	SC-34	10	<4.8	<9.9	<0.048	0.44
12/14/2013	10:15	North Pie Comp	0	<4.6	<9.9	<0.046	0.21
12/16/2013	11:20	SC-37	12	14	37	<0.049	0.42
12/16/2013	11:32	SC-38	14	2000	1100	23	364
12/16/2013	11:38	SC-40	18	1800	680	39	389
12/16/2013	11:47	SC-41	14	460	650	<0.54	47.6
12/18/2013	11:54	SC-43	15	3500	1500	35	525



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2101 SAN JUAN BOULEVARD
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ENTERPRISE

FARMINGTON, NEW MEXICO

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

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 1/3/2014		
Scale: Horiz: 1"=20'		
Vert: N/A		
Project No: 5122104		
Sheet: 3		

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS PRINTED AS A WHOLE SHEET

TABLES

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



FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
12/6/2013	13:05	SC-1 SE Corner	3	386	N
12/6/2013	13:08	SC-2 Stockpile # 2	0	7021	N
12/6/2013	15:48	SC-3 Release Point	7	1462	N
12/7/2013	10:20	SC-4 Release Point W. Side Wall	7	1753	N
12/7/2013	11:35	SC-5 W. Wall	10	1771	Y
12/7/2013	11:37	SC-6 Release Point E. Wall	6	1606	Y
12/7/2013	11:39	SC-7 Release Point	14	295.7	N
12/7/2013	11:40	SC-8 S. Slope	9	740.9	N
12/7/2013	11:56	SC- 9 10ft. N. Release Point	10	640	N
12/7/2013	11:58	SC- 10 20ft. N. Release Point	10	751.6	Y
12/7/2013	12:00	Stockpile S. Center	0	1474	Y
12/7/2013	12:03	Stockpile Center	0	663.2	Y
12/7/2013	12:05	Stockpile N	0	883.4	Y
12/7/2013	11:55	SC-11 10ft. S. Release Point	6	131.7	N
12/9/2013	11:45	SC-12 W. of Pipeline	10	77.2	N
12/9/2013	11:55	SC-13 E. of Pipeline	10	20.1	N
12/9/2013	12:35	SC -14 E. Wall Comp.	4-10	13.8	N
12/9/2013	12:37	SC-15 W. Wall Comp.	4-10	40.2	N
12/9/2013	13:05	SC-16 W	4.5	138.5	Y
12/9/2013	13:07	SC-17 E	4	91.5	N
12/9/2013	14:30	SC-18 20ft N. Release Point Base	14	801	Y
12/9/2013	14:32	SC-19 Release Point	14	2882	Y
12/9/2013	14:33	SC-20 20ft. S. Release Point Base	14	1433	Y
12/9/2013	15:20	SC-21 S. Stockpile(carsonite)	0	102.2	Y
12/10/2013	14:30	South Stockpile #1	0	49.5	
12/10/2013	14:32	South Stockpile #2	0	57.5	
12/12/2013	12:50	South Stockpile #1	0	44.4	Y
12/12/2013	12:55	South Stockpile # 2	0	82.1	Y
12/12/2013	13:00	SC-22	0	27.8	Y
12/12/2013	13:02	SC-23 Stockpile South Center	0	28.2	Y
12/12/2013	13:05	SC-24 Stockpile Mid	0	443	Y
12/12/2013	13:10	SC-25 Stockpile North	0	1262	Y
12/14/2013	9:12	SC-26 E. Wall	12	247	N
12/14/2013	9:17	SC-27 Bottom	14	1266	N
12/14/2013	9:22	SC-28 Bottom	14	39.5	N
12/14/2013	9:28	SC-29 Bottom	14	216	N
12/14/2013	9:35	SC-30 Bottom	15	53.2	Y
12/14/2013	9:40	SC-31 Bottom	15	18.5	N
12/14/2013	9:44	SC- 32 Bottom	12	51.6	N
12/14/2013	9:52	SC-33 West Wall	10	72.7	Y
12/14/2013	9:55	SC-34 East Wall	10	47.4	Y
12/14/2013	10:05	SC-35 West Wall	11	73.8	N
12/14/2013	10:10	SC-36 Bottom	12	41.5	N
12/14/2013	10:15	North Pile Comp	0	16.9	Y
12/14/2013	10:26	HA 1	18	1173	N
12/14/2013	10:29	HA 1	22	1602	N
12/16/2013	11:20	SC-37 South Wall	12	19	Y
12/16/2013	11:32	SC-38 South W. Wall	14	1792	Y
12/16/2013	11:34	SC-39 Bottom	16	1365	N
12/16/2013	11:38	SC- 40 Bottom	18	4086	Y
12/16/2013	11:47	SC-41 North W. Wall	14	2421	Y
12/16/2013	11:50	SC-42 Bottom	16	3195	N
12/16/2013	11:54	SC-43 Bottom	18	1016	Y
12/16/2013	11:58	SC-44 North W. Wall	12	252	N



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 40		100 ppm		10 ppm	50 ppm
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12/7/2013	11:37	SC-6 East Wall	10	980	820	1.1	80.8
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12/7/2013	12:00	Stockpile South Center	0	160	230	<0.11	4.48
12/7/2013	12:03	Stockpile Mid Comp	0	34	32	<0.038	1.36
12/7/2013	12:05	Stockpile North Comp	0	36	19	<0.039	1.8
12/9/2013	1:05	SC-6 West Wall	0	<4.3	11	<0.043	0.10
12/9/2013	2:30	SC-8 Base	14	1300	610	7.7	197.7
12/9/2013	2:32	SC-19 Base	14	1000	930	2.7	115.3
12/9/2013	2:33	SC-20 Base	14	<4.3	<10	<0.043	<0.086
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12/14/2013	9:52	SC-33	10	<5	<10	<0.050	<0.099
12/14/2013	9:55	SC-34	10	<4.8	<9.9	<0.048	0.44
12/14/2013	10:15	North Pile Comp	0	<4.6	<9.9	<0.046	0.21
12/16/2013	11:20	SC-37	12	14	37	<0.049	0.42
12/16/2013	11:32	SC-38	14	2000	1100	23	364
12/16/2013	11:38	SC-40	18	1800	680	39	389
12/16/2013	11:47	SC-41	14	460	650	<0.94	47.6
12/16/2013	11:54	SC-43	18	3500	1300	35	525



APPENDIX A

FIELD NOTES

On Site @ 11:30

- Perform Tailgate safety / safe work permit review
- Calibrate PID meter

Excavation underway

GPS 36.608982
-107.740622

- Collect field screen samples

Location	Collect Time	PID	Screen Time (warm up)
SC-1 - SE corner 2.5'	1305	386	1340
SC-2 - Stockpile #2	1308	7021	1343
SC-3 - Release point 7'	1348	1462	1604

- Plan to return on 12/7/13 to continue repair / sampling work

- off site @ 1630

12/7/13

- On site @ 1000, refresh tailgate safety, sign into safe work permit

Excavation underway

Location	Time	PID	Screening time
SC-4 (Release Point)	1020	1753	1120
SC-5 W wall @ 10'	1135	1771	1213
SC-6 E wall @ RP 10'	1137	1606	1212
SC-7 RP @ 14'	1139	295.71	1213
SC-8 S slope @ 9' (S RP)	1140	740.9	1215
SC-9 10' N RP @ 10'	1156	640.0	1228
SC-10 20' N RP @ 10'	1158	751.6	1230
Stockpile S (center)	1200	1474	1225
Stockpile Center	1203	663.2	1226
Stockpile N	1205	883.4	1227
SC-11 10' S RP @ 6'	1155	131.7	1229

- Continue excavation looking for additional leaks, 4 found @ this point w/in a 20' section

- off site @ 1415

-on site @ 10:30, Perform tailgate safety, LOTO w/ EPco

-Begin excavation @ 11:30

Location	Time	PID	Time Screened
3' S. RP SC-12 W. of Pipeline @ 10'	1145	77.2	1223
SC-13 E. of pipeline @ 10'	1155	20.1	1224
30 S. RP SC-14 - Eval comp 4'-10'	1235	13.8	1257
SC-15 - Eval comp 4'-10'	1237	40.2	1258
25' N. RP SC-16 W. @ 45'	1305	138.5	1330
SC-17 E @ 4'	1307	9.5	1331

- 8 leaks found @ 1350, 10 leaks @ 1430

★ SC-18 20' N RP Base 13' (-1)	1430	80.1	1502
★ SC-19 RP @ 13' (-1)	1432	288.2	1503
★ SC-20 20' S RP Base 13' (-1)	1433	57.2 (Black staining)	1504

Excavation: 103' x 15' w x 12' D w/ 55' of pipeline exposed
off site @ 1530 to take samples for lab submission

★ SC-21 S. Stockpile (consolid)	1520	102.2	1622
---------------------------------	------	-------	------

12/10/13

On site w/ Tom Long @ 1145

Location	Time	PID	Time Screened
South Stockpile #1	1430	49.5	1600
South Stockpile #2	1432	57.5	1601

off site @ 1500 Inspect suspect Drum in ROW. Drum is empty and has hole along side. Disposed of drum @ SMA office

(00 X 14 X 12) RP @ 44' from North (11:40 12/7/13)

SUBJECT Central C-7

PROJECT 12/11/13

PAGE

CLIENT FPCO

DATE

BY SJM

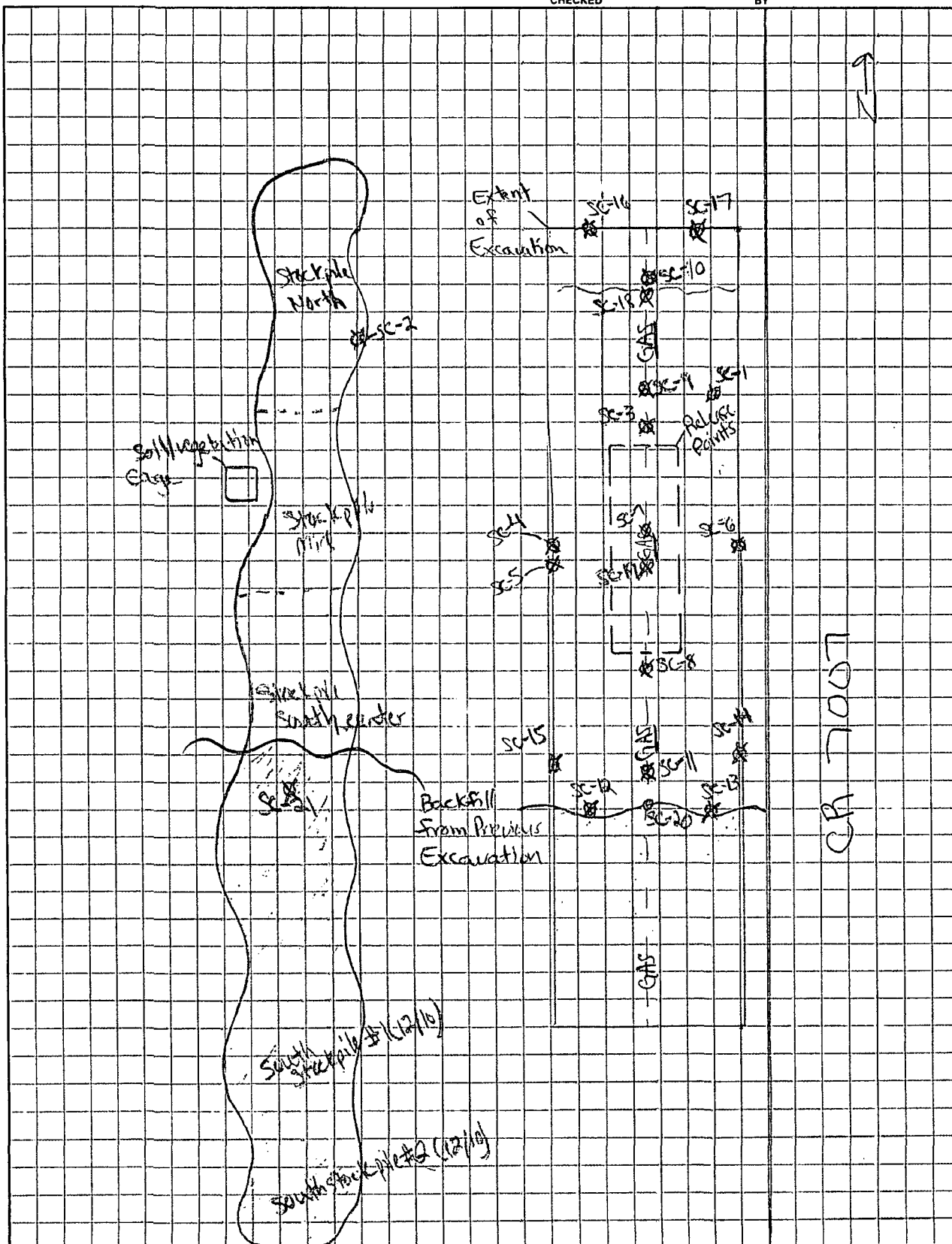
CHECKED

BY

- on site @ 1200 w/ Shawna Chubbuck for site orientation
- Explain to EMS the importance of not mixing the stockpile.

CHECKED

BY



SUBJECT ENTERPRISE BGA1 LATERAL C-7 PROJECT 5122104 BGA1
 CLIENT ENTERPRISE DATE 12/12/13 BY ATE

CHECKED BY

12:10 - ARRIVE ON SITE
 SAFETY MEETING
 Discuss work w/ JENETTE (ENTERPRISE)
 PUMPING IS BEING REPAIRED, WILL RETEST WHEN COMPLETE
 12:35: Calibrate PIDS
 MIN. PAE 2000 - 0.0 on ambient air
 101 on 100 ppm Isobutylene
 MIN. PAE 3000 - 0.0 on ambient air
 99.6 on 100 ppm Isobutylene

RESAMPLE STOCKPILES 12:50
 (ALL STOCKPILE SAMPLES ARE COMPOSITES)

SAMPLE	Time	HEADSPACE (PPM)	TIME SR
SOUTH STOCKPILE #1	1250	44.4	1300
SOUTH STOCKPILE #2	1255	82.1	1325
SC-22 (stockpile loc)	1300	27.8	1330
SC-23 (stockpile S of center)	1302	28.2	1333
SC-24 (stockpile mid)	1305	44.3	1336
SC-25 (stockpile NORTH)	1310	126.2	1338

14:10 Discuss further excavation w/ Tom Long
 NEED to scrape east side further before sampling
 Overall expand to west and north -
 collect confirmation samples if sidewalls
 are clean.

14:50 ATE off site

SUBJECT Enterprise C-7 (attn)

PROJECT 5122104 BGR PAGE 1

CLIENT EPCO

DATE 12/13/17

BY ASE

CHECKED

BY

ST. MILE: 115/13.5

8:25 - A. ESCHENBACHER arrives on site

8:30 - CHECK-IN w/ RICHARD, H&B, LOTO.

8:35 - CALIBRATE PID (M. J. RAE 2000)
READING on FRESH AIR: 0.0
100% ISOBUTYLENE: 101REPAIRS on PIPELINE CONTINUE, CLEAN FILL BEING HAULED,
PCS BEING HAULED OUT10:30 DISCUSS WORK PROGRESS w/ RICHARD - WORKERS ARE PREPARING
TO - I-WRAP, WILL EXCAVATE FURTHER TO THE NORTH THIS
AFTERNOON. EXCAVATION WILL LIKELY GO INTO TOMORROW.
RICHARD STATED ~~THEY~~ HE WILL NOT ALLOW ADDITIONAL EXCAVATION
OF THE EAST WALL BC OF THE COUNTY ROAD.10:50 - call Tom Long - update on work progress, i.e. poss.
excavation thru p.m. He said it exc. will not be
done for sure - leave the site.
Relayed Richards concerns about further excavation along
CR - Tom said to clear (sample clean soil) at
as many sides of excavation as possible.

11:10 - call Shanna back, relay above conversations

14:20 RICHARD DETERMINES NO excavation will be done today.
Resume 8 a.m. tomorrow19:30 - leave site - call Tom Long, leave message
call Shanna

SUBJECT LATERAL C-7

PROJECT 5122104

PAGE

CLIENT ENTERPRISE

DATE 12/16/13

BY AJE

CHECKED

BY

CHECKED

BY

12/12/

7:55 - AEA member arrive on site

8:00 - EMS arrive on site

8:13 - Calibrate PID

READS 0.0 ON AMBIENT AIR

READS 100.0 ON 100 ppm Isobutylene

9:00 - Haul TRUCKS ARRIVE TAPDEN: 1

Belly: 1

9:15 - Tailgate w/ Richard

10:40 - Pressurize Line - NO LEAKS on REPAIR PIPE

10:50 - DE-PRESSURIZE LINE

11:00 - REMOVE TRENCH BOXES

SAMPLE ID	TIME	HEADSPACE	TIME - HEADSPACE
SC-37 (S. well), 12'	11:20	1792	12:08
SC-38, 14' (SW well)	11:32	1792	12:10
SC-39, 16' (bottom)	11:34	1365	12:13
SC-40, 18' (bottom)	11:38	4086	12:17
SC-41, 14' (SW well)	11:47	2421	12:22
SC-42, 16' (bottom)	11:50	3175	12:26
SC-43, 18' (bottom)	11:54	1016	12:28
SC-44, 12' (SW well)	11:58	252	12:31

* SAMPLE SPLITS FOR LAB ANALYSIS

EXCAVATION EXTENDED AS FAR AS POSSIBLE.

NORTH AND SOUTH EXTENDED TO 100 ppm FIELD SCREENS

EAST LIMITED BY CR 2007. WEST LIMITED BY PIPE LINES.

13:15 - DISCUSS FIELD SCREENING w/ Richard
S.G. out.

13:30 - Call: Tom Long (leave message)

SUBJECT LATERAL C-7

PROJECT

PAGE

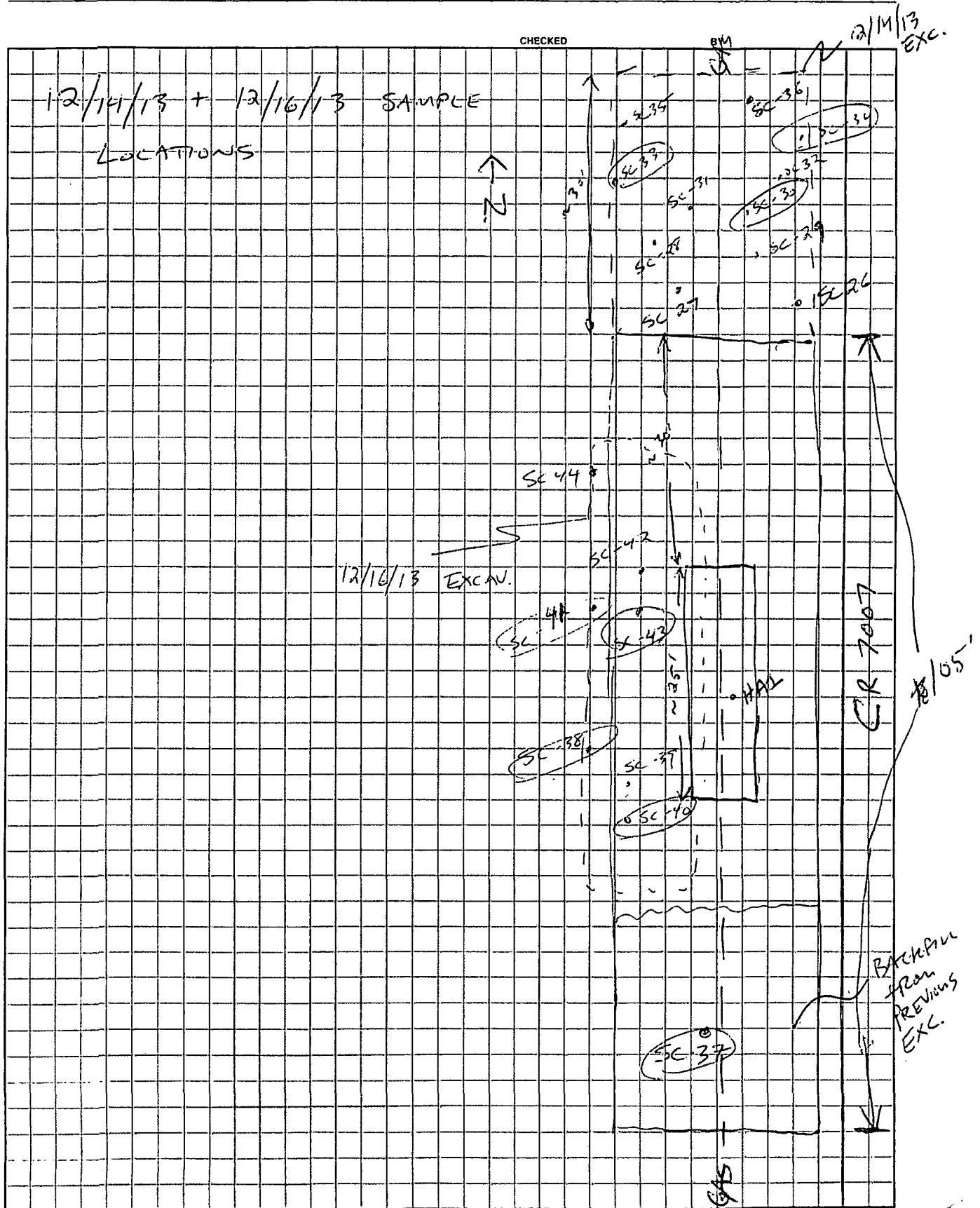
CLIENT EPCO

DATE

BY

CHECKED

BY



APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release



Photo 1: The beginning of excavation to determine the location of the release, December 6, 2013.



Photo 2: Discovery of the first release point with condensate flowing from the pipeline.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release



Photo 3: Pipeline repair activity; note the staining on the western sidewall.

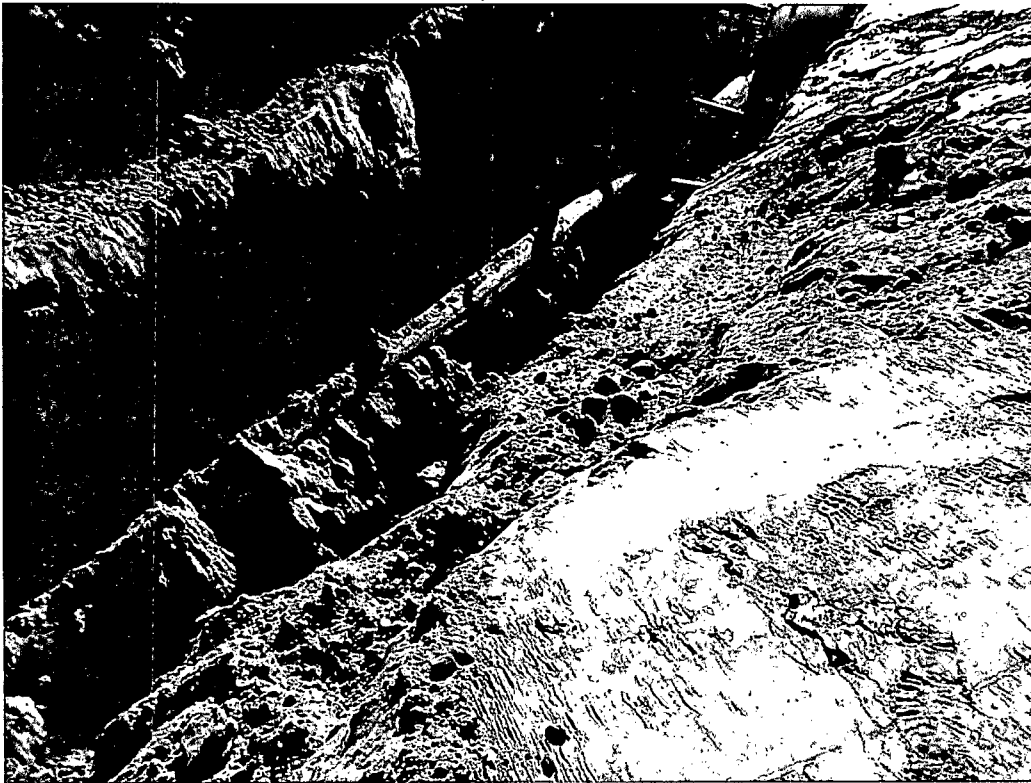


Photo 4: View of faulty section of Lateral C-7 pipeline, approximately 30 feet in length.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

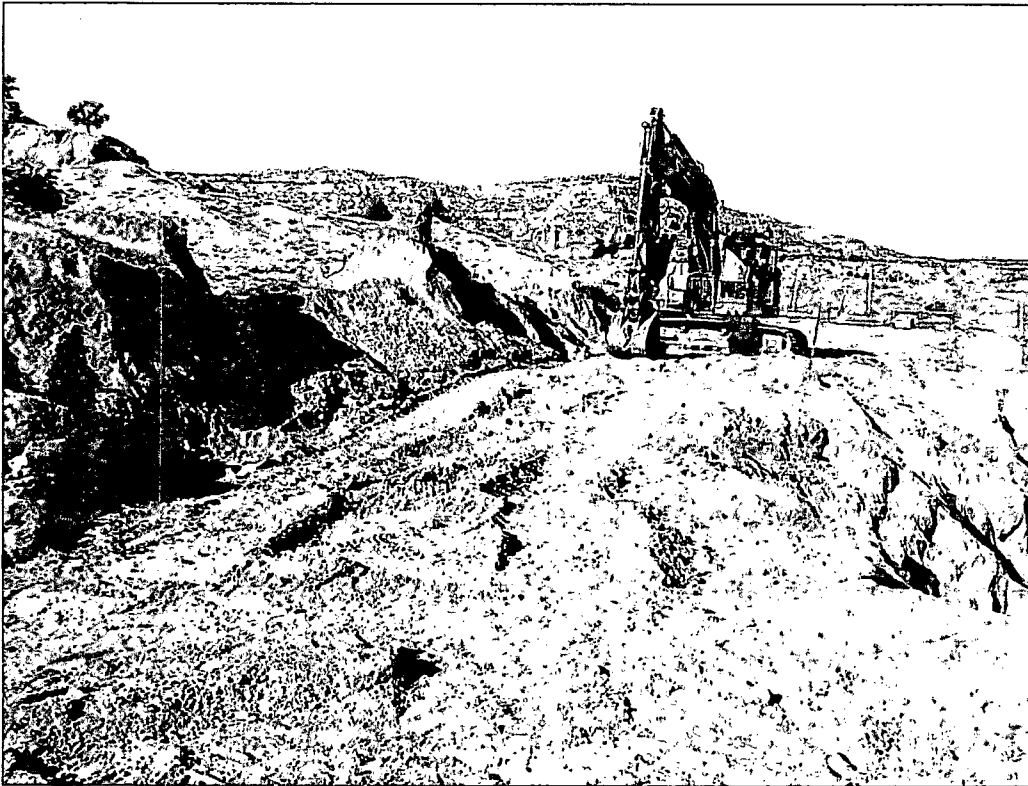


Photo 6: Excavated material stockpiled on the western side of the excavation.

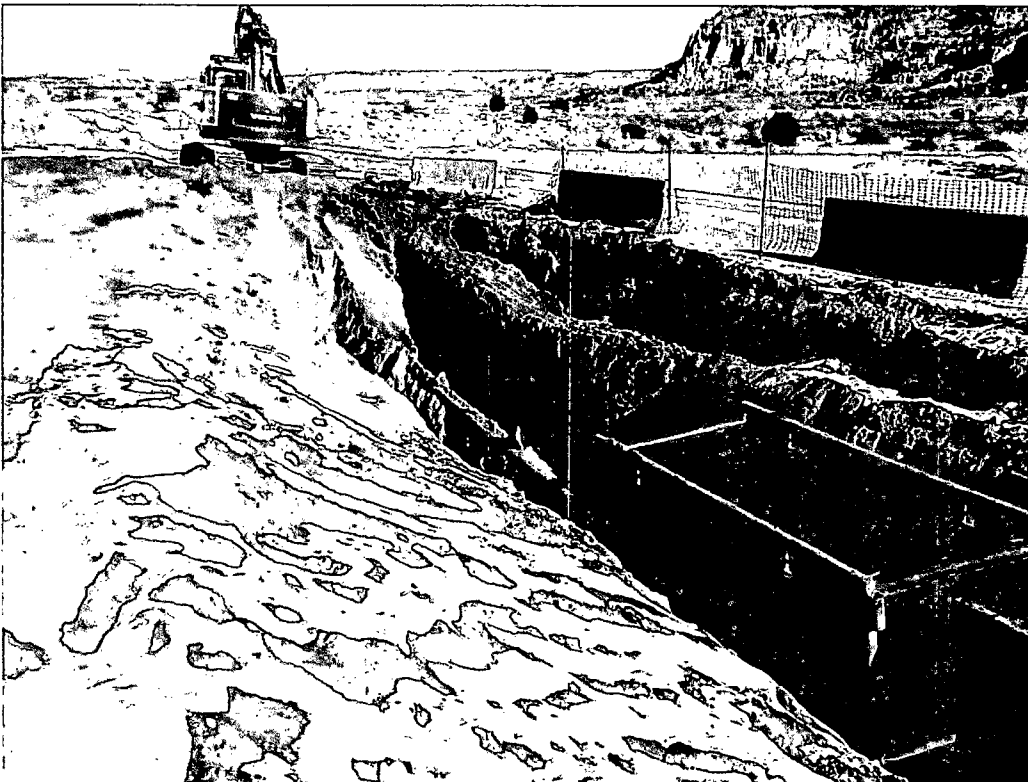


Photo 7: View of the northern section of the excavation. County road along east side of excavation

APPENDIX C
SOIL DISPOSAL DOCUMENTATION



MANIFEST # 45379 0611
DATE 12-12-13 JOB # 97057-~~7609~~

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
2	E-tech CAT 6-7	Enterprise CAT 6-7	CLEAN Fill	-	10	-	EMS	310- 309	13:15	Roginall P.	
2	"	"	"	-	10	-	EMS	310- 309	15:30	Roginall P.	
					<u>20</u>						
RESULTS:		LANDFARM EMPLOYEE: Certification of above receipt & placement	NOTES:								
/	CHLORIDE TEST										/
/	PAINT FILTER TEST										/

TRANSPORTER CO. EMS NAME Reginald Tosi SIGNATURE Reginald Tosi
COMPANY CONTACT Mike Smother PHONE (505) 333-2003 DATE 12-12-13

san juan reproduction 578-126



envirotech

Bill of Lading

MANIFEST # 45414

DATE 12-16-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. Flying M NAME Toby Wahl SIGNATURE Toby Wahl
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



MANIFEST # 45413

DATE 12-16-13 JOB # 97057-0611

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

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

TRANSPORTER CO. Flying M NAME Toby Wahler SIGNATURE Toby Wahler
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



MANIFEST # 45411
DATE 12-16-13 JOB # 97057-0611

DATE 12-16-13 JOB # 97057-0611

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

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45396

DATE 12-13-13

JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. Flying M NAME Toby Wahle SIGNATURE Toby Wahle
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

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

san juan reproduction 57B-126



MANIFEST # 45395

DATE 12-13-13 JOB # 97057-0611

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Blanco Canyon Cat C-7	LFIIL-25	Cont Soil	N-26	20	-	Flying M.	20	1117	<i>[Signature]</i>
2	" " "	" "	" "	N-26	20	-	" "	20	15:05	<i>[Signature]</i>
					40					
RESULTS:		LANDFARM EMPLOYEE: <i>[Signature]</i>	NOTES: ENTERED DEC 20 2013							
CLORIDE TEST	1									
PAINIT FILTER TEST	1		Certification of above receival & placement	RDC						

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

TRANSPORTER CO. Flying M NAME Toby Walter SIGNATURE Toby Walter
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



MANIFEST # 45394

DATE 12-13-73 JOB # 97057-0611

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

SIGNATURE

DATE _____

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



Bill of Lading

MANIFEST # 45393

DATE 12-13-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. _____ NAME Chen / Kite SIGNATURE Chen / Kite
COMPANY CONTACT _____ PHONE 323 562 DATE Dec 13 13

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45392

DATE 12-13-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. _____ NAME Henry Anmonta SIGNATURE [Signature]
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126



MANIFEST # 45391

DATE 12-13-13 JOB # 97057-0611

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

NAME Henry Avnuta

with. I certify that

PHONE

DATE _____

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



MANIFEST # 45387

DATE 12-12-13 JOB # 97057-0611

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

TRANSPORTER CO. Kitching Inc NAME John Kitching SIGNATURE John Kitching
COMPANY CONTACT John PHONE 632 3550 DATE Jan 12 13

Signatures required prior to distribution of the legal document.



MANIFEST # 45385

DATE 12-12-13 JOB # 97057-0611

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

Signatures required prior to distribution of the legal document.

APPENDIX D
LABORATORY ANALYTICAL REPORTS

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: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Jacquez LS#3 Well Site	Facility Type: Meter Tube/Methanol Tank	
Surface Owner: Private	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter C	Section 30	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.78623 Longitude -107.71744

NATURE OF RELEASE

Type of Release: Natural gas/Methanol/Condensate liquids/Paraffin	Volume of Release: Unknown	Volume Recovered Unknown
Source of Release: Natural gas meter tube/meter run/Methanol Tank	Date and Hour of Occurrence: 12/17/2013 @ 10:12 a.m	Date and Hour of Discovery: 12/17/2013 @ 10:12 a.m
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD	
By Whom? Thomas Long	Date and Hour 12/17/2013 4:02 p.m.	RCVD FEB 13 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

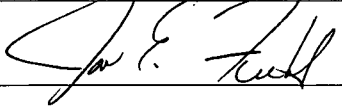
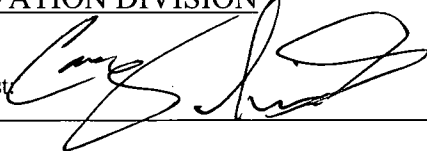
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A production company lease operator discovered a release associated with a methanol tank. The sight glass valve on the methanol tank froze and broke. The well was shut in and the meter run was blown down and LOTO was applied.

Describe Area Affected and Cleanup Action Taken.*

Natural gas/Methanol/Condensate liquids/Paraffin impacted an area of approximately 100 feet long by 50 feet wide. Remediation activities were completed on December 21, 2013. Approximately 50 cubic yards of impacted soil and approximately 7 barrels of water and soil (hydro excavation material) were disposed of at a NMOCD approved landfarm. A third party corrective action report is included with this "final" c-141.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>4/28/14</u>	Expiration Date:
E-mail Address: <u>jefields@eprod.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2-5-14</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

#NCS 141185 3607

100

SUBJECT LATERAL C-7

PROJECT 5122104

PAGE

CLIENT ENTERPRISE

DATE 12/16/13

BY AJE

CHECKED

BY

7:55 - AEA Environmental arrive on site

12/12/1

8:00 - EMS arrive on site

8:13 - Calibrate PID

READS 0.0 ON AMBIENT AIR

READS 100.0 ON 100 ppm Isobutylene

9:00 - Haul Trucks arrive TADDEM: 1

Belly: 1

7:15 - Tailgate w/ Richard

10:40 - Pressurize Line - NO LEAKS on REPAIR PIPE

10:30 - DE-PRESSURIZE LINE

11:00 - REMOVE TRENCH BOXES

SAMPLE ID	TIME	HEADSPACE	TIME - HEADSPACE
* SC-37 (S. well), 12'	11:20	1792	12:00
* SC-38, 14' (S. well)	11:32	1712	12:10
SC-39, 16' (bottom)	11:34	1365	12:13
* SC-40, 18' (bottom)	11:38	4086	12:17
* SC-41, 14' (S. well)	11:47	2421	12:22
SC-42, 16' (bottom)	11:50	3175	12:26
* SC-43, 18' (bottom)	11:54	1016	12:28
SC-44, 12' (S. well)	11:58	252	12:31

* SAMPLE SPLITS FOR LABS ANALYSIS

EXCAVATION EXTENDED AS FAR AS POSSIBLE.

NORTH AND SOUTH EXTENDED TO 100 ppm FIELD SCREENS

EAST LIMITED BY CR 7007. WEST LIMITED BY PIPE LINES

13:15 - DISCUSS FIELD SCREENING w/ Richard
S.G. out.

13:30 - Call: Tom Long (leave message)

SUBJECT LATERAL C-7

PROJECT

PAGE

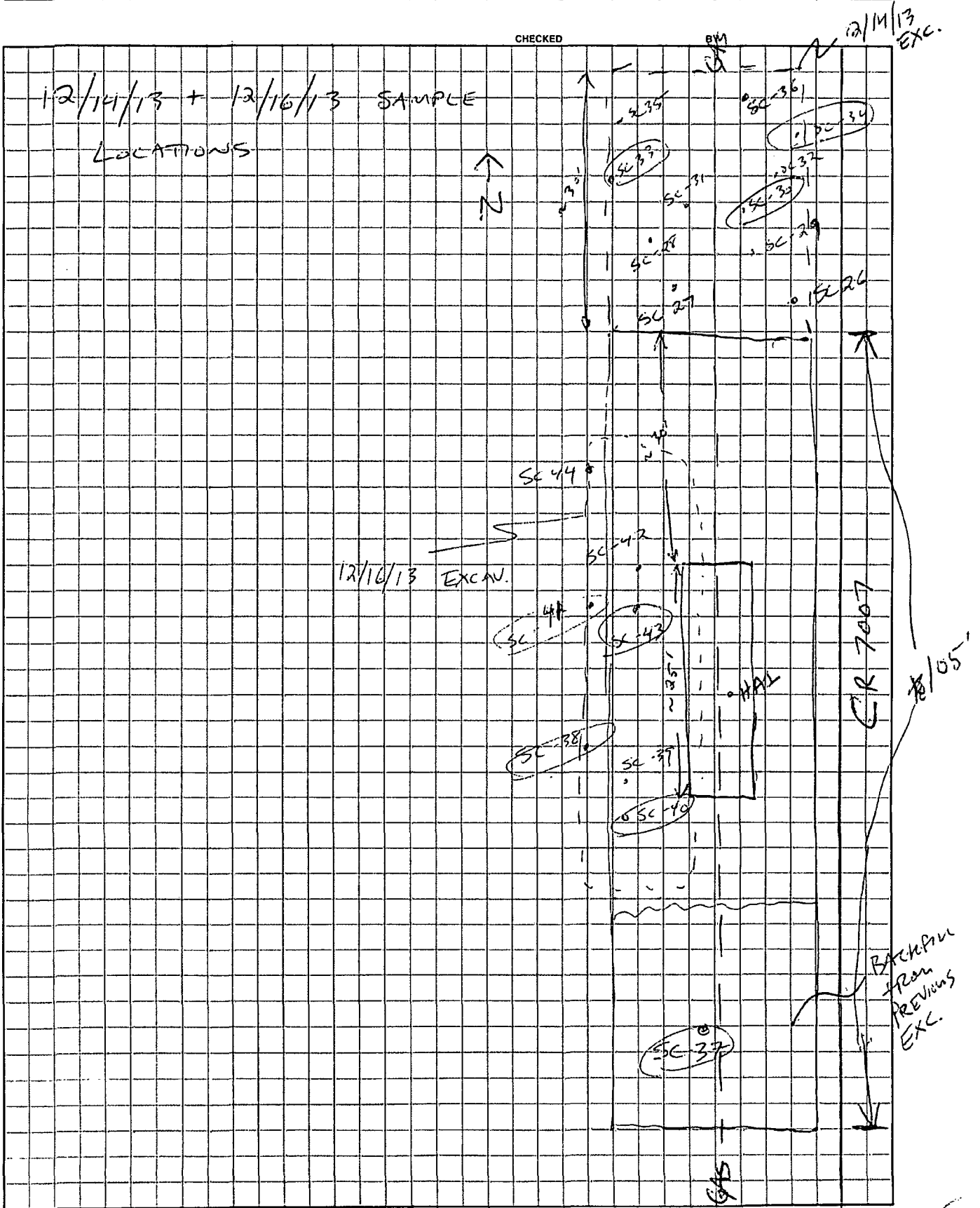
CLIENT EPCO

DATE

BY

CHECKED

BM



APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release



Photo 1: The beginning of excavation to determine the location of the release, December 6, 2013.



Photo 2: Discovery of the first release point with condensate flowing from the pipeline.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release



Photo 3: Pipeline repair activity; note the staining on the western sidewall.

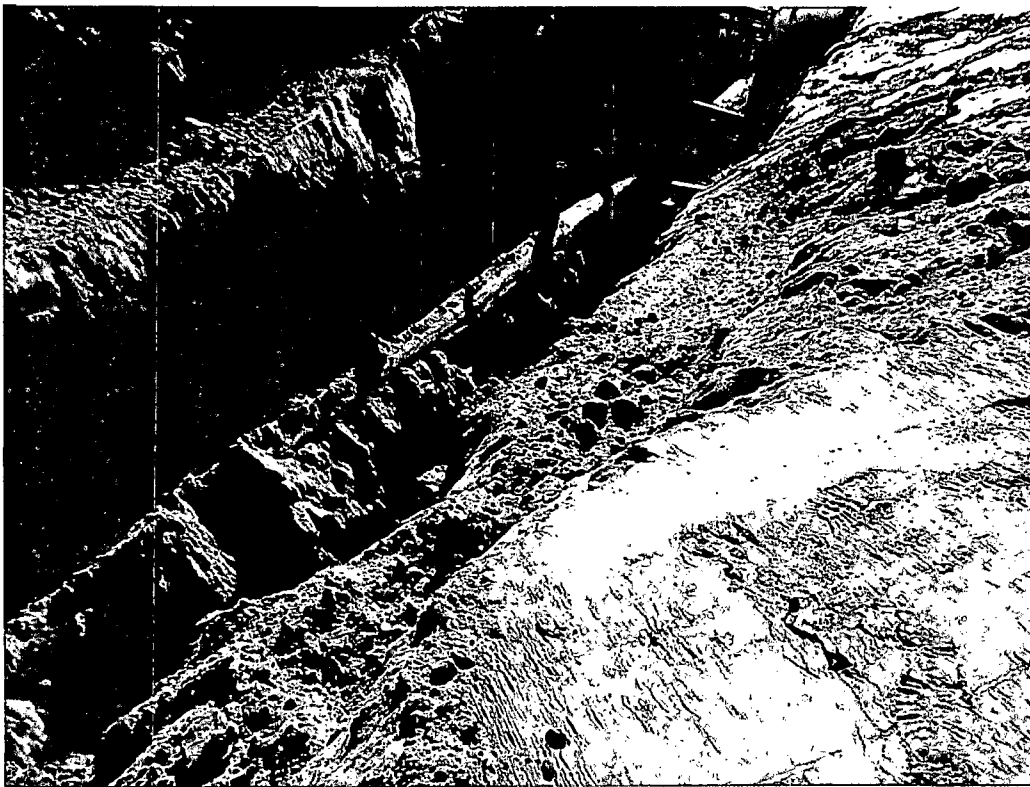


Photo 4: View of faulty section of Lateral C-7 pipeline, approximately 30 feet in length.

Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

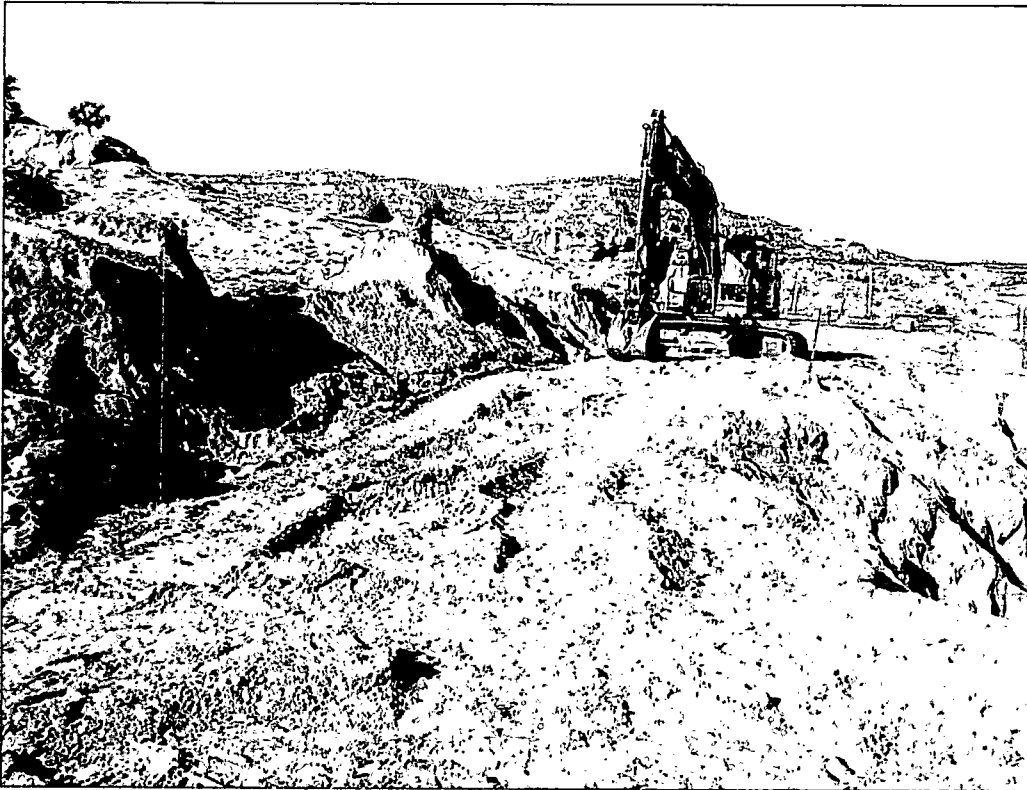


Photo 6: Excavated material stockpiled on the western side of the excavation.

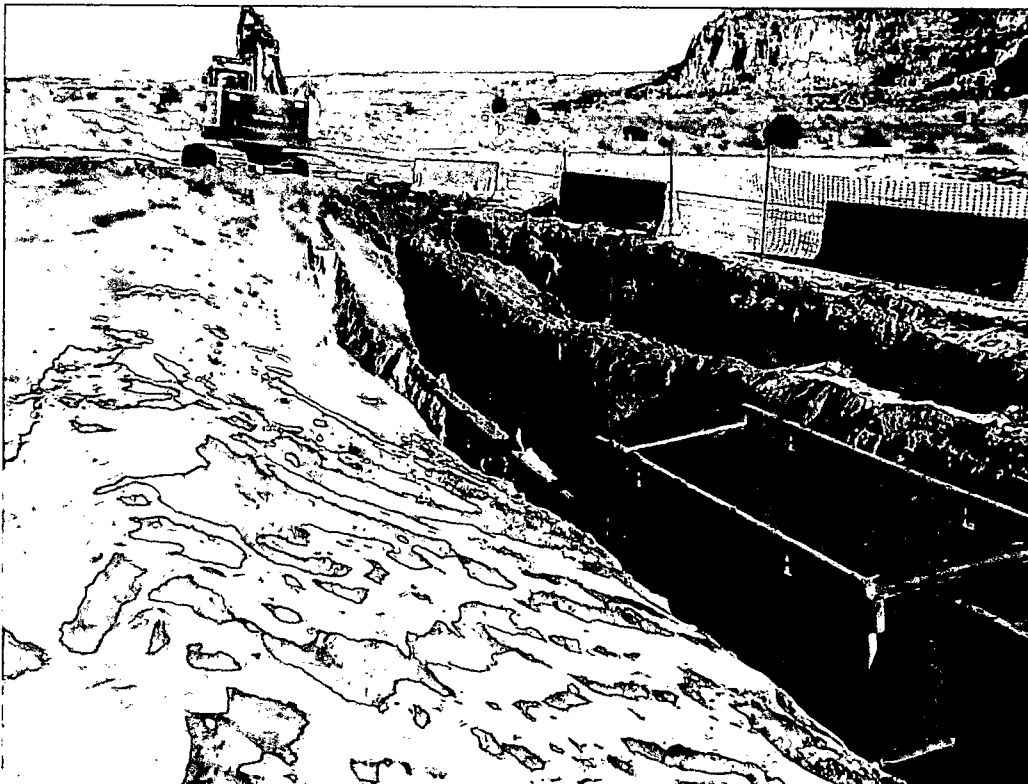


Photo 7: View of the northern section of the excavation. County road along east side of excavation

APPENDIX C
SOIL DISPOSAL DOCUMENTATION



MANIFEST # 45379 0611
DATE 12-12-13 JOB # 97057-12009

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

Signatures required prior to distribution of the legal document.



MANIFEST # 45414

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

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

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45413

DATE 12-16-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. Flying M NAME Toby Wahler SIGNATURE Toby Wahler
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126

**envirotech**

Bill of Lading

MANIFEST # 45412

DATE 12-16-13 JOB # 97057-0611

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

[illegible]

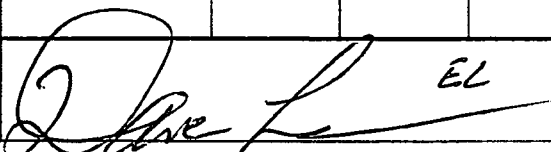
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. EMS NAME Kenji Sosa SIGNATURE Kenji Sosa
COMPANY CONTACT Mika Sanchez PHONE (505) 993-4424 DATE 12-16-13

Signatures required prior to distribution of the legal document.



MANIFEST # 45411
DATE 12-16-13 JOB # 97057-0611

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTER RISC BLANCO CANYON CAT C-7	LFI-5	cont Soilz	N-26	10	-	EMS	310-389	10:30	Rogge Tsouy
2	" "	" "	" "	N-26	10	-	" "	310-389	12:55	Rogge Tsouy
					<u>20</u>					
RESULTS:		LANDFARM EMPLOYEE:  EL	NOTES:							
<287	CHLORIDE TEST									
	PAINT FILTER TEST	1	Certification of above receipt & placement							

RDC

TRANSPORTER CO. EMS NAME Reggie Fosu SIGNATURE Reggie Fosu
COMPANY CONTACT Mik Sanchez PHONE (505) 793-4428 DATE 12-16-13

can plan reproduction 578-126



MANIFEST # 45396

DATE 12-13-13 JOB # 97057-0611

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

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

TRANSPORTER CO. Flying M NAME Toby Wahle SIGNATURE Toby Wahle
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45395

DATE 12-13-13 JOB # 97057-0611

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

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

COMPANY CONTACT _____ **PHONE** _____ **DATE** _____

Signatures required prior to distribution of the legal document.

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

san man reproduction 578-126



Bill of Lading

MANIFEST # 45394

DATE 12-13-73 JOB # 97057-0611

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	ENTERPRISE BLANCO CANYON CAT C-7	Class Fill	—	20	—	Pichey	21	10:53	<i>[Signature]</i>
					20					
RESULTS:		LANDFARM	<i>[Signature]</i> EL			NOTES:				
CHLORIDE TEST		EMPLOYEE:								
PAINT FILTER TEST		Certification of above receipt & placement								

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

TRANSPORTER CO. _____

NAME _____

SIGNATURE

COMPANY CONTACT

PHONE

DATE _____

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126



Bill of Lading

MANIFEST # 45393

DATE 12-13-13 JOB # 97057-0611

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

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

TRANSPORTER CO. _____ NAME John H. K. L. SIGNATURE John H. K. L.
COMPANY CONTACT _____ PHONE 632 3552 DATE June 13 13

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45392

DATE 12-13-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. _____ NAME Henry Armenta SIGNATURE [Signature]
COMPANY CONTACT _____ PHONE _____ DATE _____

Signatures required prior to distribution of the legal document.



MANIFEST # 45391

DATE 12-13-13 JOB # 97057-0611

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

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45390

DATE 6.13.13 JOB # 97057-0611

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

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

TRANSPORTER CO. EMS NAME Reggie Tsoni SIGNATURE Reggie Tsoni
COMPANY CONTACT Mike Sanchez PHONE (505) 793-4426 DATE 12-13-13

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126



MANIFEST # 45389

DATE 12-13-13 JOB # 97057-0611

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

TRANSPORTER CO. ETMS NAME Reggie Asorin SIGNATURE Reggie Asorin
COMPANY CONTACT Mike Sanchez PHONE (505) 793-4426 DATE 12-13-13

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45387

DATE 12-12-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. Kitchyup Bros NAME John Kitchy SIGNATURE John Kitchy
COMPANY CONTACT John PHONE 632 3550 DATE Jan 12 13

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126

**envirotech**

Bill of Lading

MANIFEST # 45385

DATE 12-12-13 JOB # 97057-0611

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

[illegible]

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

TRANSPORTER CO. EMS NAME Reginald Tsoni SIGNATURE Reginald Tsoni
COMPANY CONTACT Mike Sanchez PHONE (505) 793-4126 DATE 12-12-13

Signatures required prior to distribution of the legal document.

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

san juan reproduction 578-126



MANIFEST # 45381

DATE 12-12-13 JOB # 97057-0611

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

NAME Elmer T. Kitchay

SIGNATURE L. M. Ritchey

PHONE 637 3036

DATE Feb 12 13

san ivan reproduction 578-126

APPENDIX D

LABORATORY ANALYTICAL REPORTS

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Jacquez LS#3 Well Site	Facility Type: Meter Tube/Methanol Tank	
Surface Owner: Private	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter C	Section 30	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.78623 Longitude -107.71744

NATURE OF RELEASE

Type of Release: Natural gas/Methanol/Condensate liquids/Paraffin	Volume of Release: Unknown	Volume Recovered Unknown
Source of Release: Natural gas meter tube/meter run/Methanol Tank	Date and Hour of Occurrence: 12/17/2013 @ 10:12 a.m	Date and Hour of Discovery: 12/17/2013 @ 10:12 a.m
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD	
By Whom? Thomas Long	Date and Hour 12/17/2013 4:02 p.m.	RCVD FEB 13 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

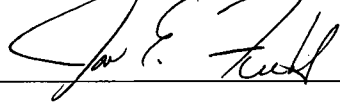
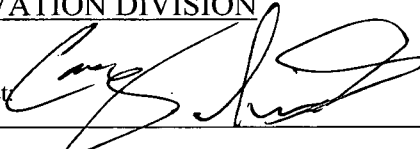
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A production company lease operator discovered a release associated with a methanol tank. The sight glass valve on the methanol tank froze and broke. The well was shut in and the meter run was blown down and LOTO was applied.

Describe Area Affected and Cleanup Action Taken.*

Natural gas/Methanol/Condensate liquids/Paraffin impacted an area of approximately 100 feet long by 50 feet wide. Remediation activities were completed on December 21, 2013. Approximately 50 cubic yards of impacted soil and approximately 7 barrels of water and soil (hydro excavation material) were disposed of at a NMOCD approved landfarm. A third party corrective action report is included with this "final" c-141.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist 	
Title: Sr. Director, Environmental	Approval Date: 4/28/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-5-14 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

#NCS 141185 3607

100



January 20, 2014

Project Number: 97057-0612

Mr. Tom Long
Enterprise Products
614 Reilly Avenue
Farmington, New Mexico 87401

Phone: (505) 599-2124

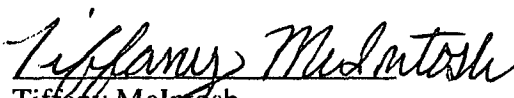
RE: SPILL CLEANUP REPORT FOR JACQUEZ LS #3 WELL SITE LOCATED IN SECTION 30, TOWNSHIP 30 NORTH, RANGE 8 WEST, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Long,

Enclosed please find the *Spill Cleanup Report* detailing cleanup activities from a release of methanol and paraffin at the Jacquez LS #3 well site, located in Section 30, Township 30 North, Range 8 West, San Juan County, New Mexico.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Tiffany McIntosh

Staff Scientist

tmcintosh@envirotech-inc.com

Enclosures: Spill Cleanup Report

Cc: Client File No. 97057

**ENTERPRISE
SPILL CLEANUP REPORT
JACQUEZ LS #3
SECTION 30, TOWNSHIP 30N, RANGE 8W
SAN JUAN COUNTY, NEW MEXICO**

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 Figure 2, Site Map 12/19/2013
 Figure 3, Site Map 12/20/2013
 Figure 4, Site Map 12/21/2013

Tables: Table 1, Summary of Analytical Results

Appendices: Appendix A, Site Photography
 Appendix B, Analytical Results

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Enterprise Products to provide spill cleanup activities for a release of methanol and paraffin at the Jacquez LS #3 well site, located in Section 30, Township 30 North, Range 8 West, San Juan County, New Mexico; see enclosed **Figure 1, Vicinity Map**. The sight glass on the dripper broke, releasing methanol and paraffin into the surrounding area. The release impacted the immediate area around the meter run and the down-slope area south of it. The impacted area had approximate dimensions of 50 feet by 100 feet. Activities included sample collection and analysis, documentation and reporting.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on December 19, 2013, with a request to respond to a release of methanol and paraffin that occurred at the above referenced location. Methanol and paraffin were observed to be yellow and layered along the surface of the impacted area; see enclosed **Appendix A, Site Photography, Picture 1 and 2**. The extents of the contamination were estimated to be approximately 50 feet by 100 feet; see enclosed **Figure 2, Site Map** and **Appendix A, Site Photography, Picture 1 and 2**. Because depth to groundwater was less than 50 feet, nearest surface water was between 200 and 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

One (1) five (5)-point composite sample, *South Perimeter Composite ~50' Horizontal*, was collected from approximately 50 feet south of the meter run, within a shrubby area of vegetation; see enclosed **Figure 2, Site Map 12/19/2013** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The sample returned results slightly above the regulatory standard for TPH, but below the regulatory standard for organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. Equipment Maintenance Services (EMS) utilized a backhoe to remove the vegetation in the impacted area south of the meter run, along with approximately one (1) inch of topsoil.

Automation electrical lines ran underground directly south of the meter run. Therefore, extra precaution had to be used when excavating the soil in that area. Utilizing hand shovels, approximately five (5) inches of soil were removed from the area immediately south of the meter run. One (1) five (5)-point composite sample, *Near Electrical Lines ~5" BGS Composite*, was collected from the area immediately south of the meter run; see enclosed **Figure 2, Site Map 12/19/2013** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. A determination was made to proceed with

hydrovac activities around the electrical lines.

On December 20, 2013, Envirotech, Inc. personnel returned to the above referenced location for continued spill cleanup activities. Hydrovac activities were conducted on the area directly south of the meter run to expose the electrical lines; see enclosed **Appendix A, Site Photography, Picture 3, 4, and 5**. To assess the depth of the contamination, two (2) trenches were dug, using a backhoe, on either side of the electrical lines, to a depth of approximately two (2) feet below ground surface (BGS). Another trench was dug west of the previously mentioned two (2) trenches, to a depth of approximately 1.5 feet BGS. Three (3) grab samples were collected from the trenches south of the meter run: *Grab Sample ~1.5' BGS*, from the western trench, *North Grab Sample ~2' BGS*, from the trench north of the electrical lines, and *South Grab Sample ~2' BGS*, from the trench south of the electrical lines; see enclosed **Figure 3, Site Map 12/20/2013** for sample locations. All three (3) samples returned results slightly above the regulatory standard for TPH, but below the regulatory standard for organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**.

The area above the electrical lines was hydrovaced to the depth of approximately one (1) foot BGS. One grab sample, *Grab Sample Over Electrical Lines ~1' BGS*, was collected; see enclosed **Figure 3, Site Map 12/20/2013** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. A determination was made to continue hydrovac activities around the electrical lines.

The previously mentioned area where the vegetation had been cleared, south of the meter run, was divided into two (2) sections: middle section and south section. Each section measured approximately 15 feet by 100 feet. Two (2) five (5)-point composite samples, *South Composite* and *Middle Composite*, were collected from the area of cleared vegetation; see enclosed **Figure 3, Site Map 12/20/2013** for sample locations. Both samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. Both samples returned results above the regulatory standard for TPH, but below the regulatory standard for organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. A recommendation was made to remove a few additional inches of soil in the south and middle sections of the area of cleared vegetation.

On December 21, 2013, Envirotech personnel returned to the above referenced location for continued spill cleanup activities. The previously mentioned south and middle sections, within the area of cleared vegetation, was excavated to a depth of approximately five (5) to six (6) inches; see enclosed **Appendix A, Site Photography, Picture 6**. One (1) five (5)-point composite sample, *South Composite*, was collected, representing both the previously named south and middle sections; see enclosed **Figure 4, Site Map 12/21/2013** for sample locations. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results below the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. The

sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**.

The area immediately surrounding the meter run house and tubes was excavated to a depth ranging from six (6) inches to two (2) feet; see enclosed **Appendix A, Site Photography, Picture 7 and 8**. One (1) five (5)-point composite sample, *Near Meter Run Composite*, was collected. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results below the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. The sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**.

The remaining area between the previously taken two (2) samples, *South Composite* (entire area of cleared vegetation) and *Near Meter Run Composite*, was excavated to a depth of approximately two (2) feet; see enclosed **Appendix A, Site Photography, Picture 6 and 7**. This excavation includes the area where the trenches and electrical lines were and has now been named the Middle Section. One (1) five (5)-point composite sample, *Middle Composite*, was collected. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results above the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. A recommendation was made to excavate this area an additional two (2) feet.

The Middle Section was excavated to a depth ranging from two (2) feet to four (4) feet. One (1) five (5)-point composite sample, *Middle Composite 2*, was collected. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results below the regulatory standard for TPH and organic vapor; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**. The sample was placed into a four (4)-ounce glass jar, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. The sample returned results below the regulatory standard for all constituents analyzed; see enclosed **Appendix B, Analytical Results** and **Table 1, Summary of Analytical Results**.

EMS transported the contaminated soil to the Industrial Ecosystems Incorporated (IEI) NMOCD permitted soil remediation facility for disposal. The excavation was then backfilled with clean-fill material and re-contoured to pre-incident conditions by EMS.

SUMMARY AND CONCLUSIONS

Confirmation and spill cleanup activities were performed for a release of methanol and paraffin at the Jacquez LS #3 well site, located in Section 30, Township 30 North, Range 8 West, San Juan County, New Mexico. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed confirmation and spill cleanup activities for a release of methanol and paraffin at the Jacquez LS #3 well site, located in Section 30, Township 30 North, Range 8 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,

ENVIROTECH, INC.

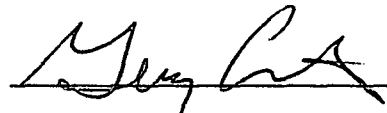


Tiffany McIntosh

Staff Scientist

tmcintosh@envirotech-inc.com

Reviewed by:



Greg Crabtree, PE

Environmental Manager

gcrabtree@envirotech-inc.com

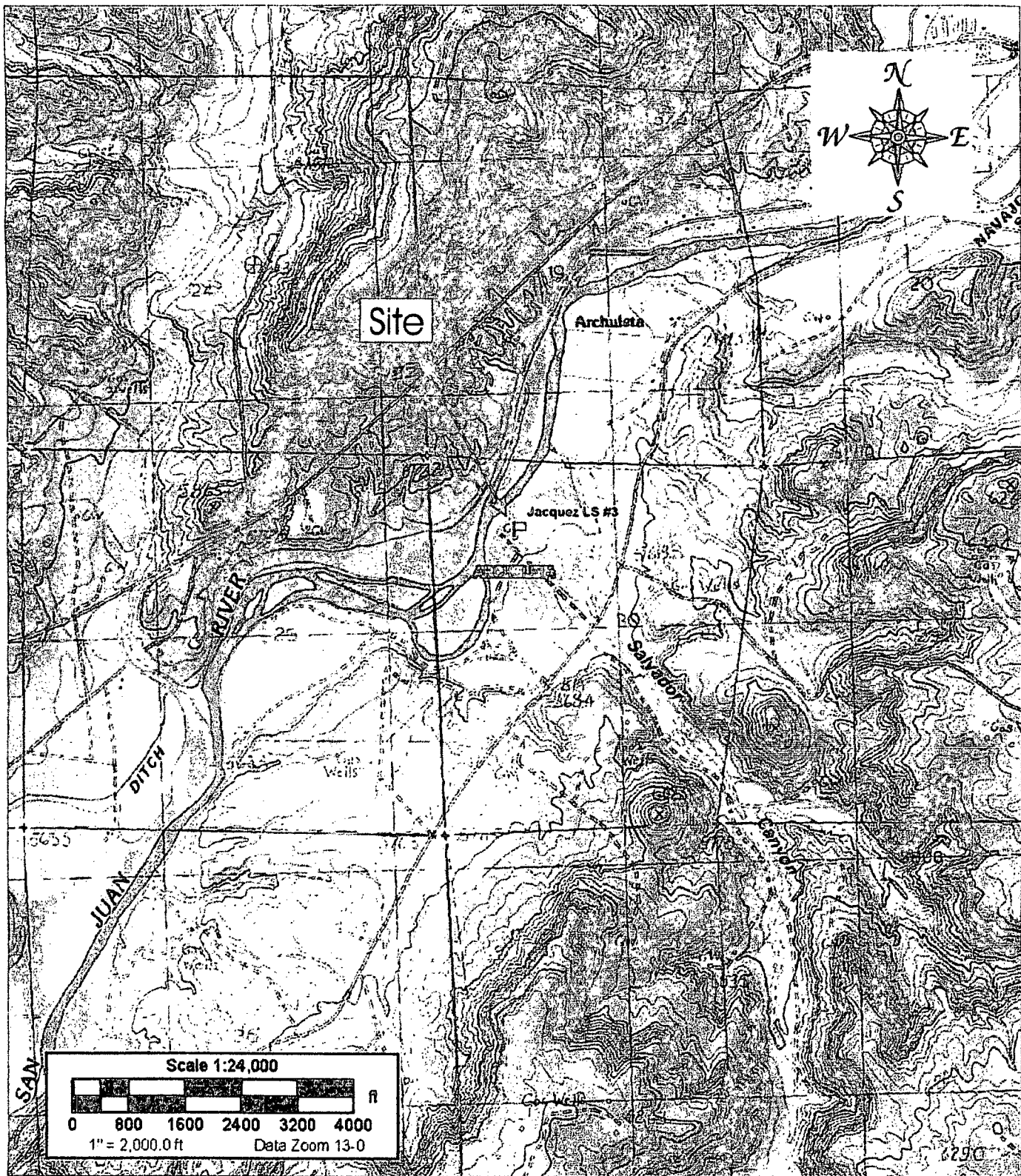
FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map 12/19/2013

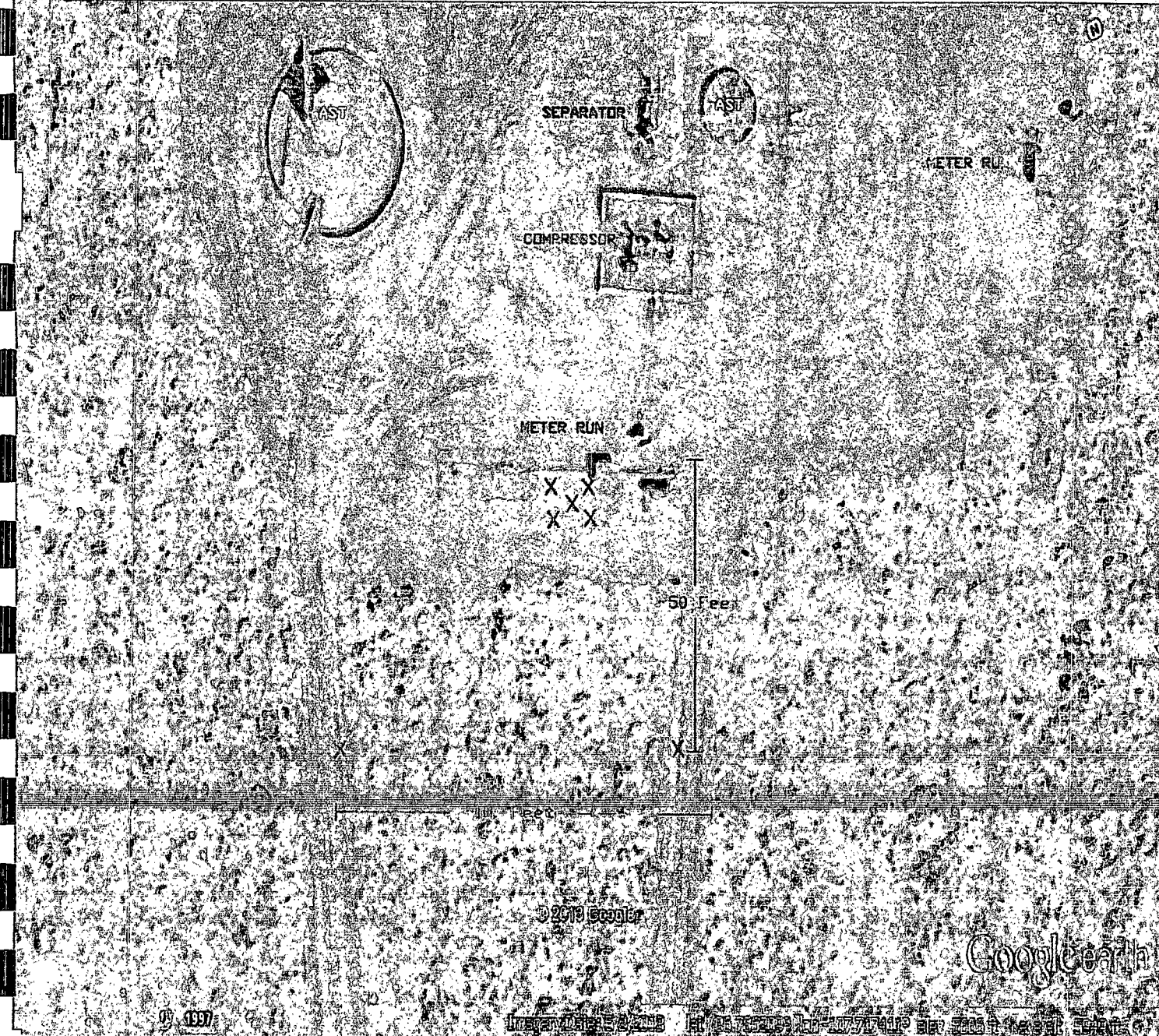
Figure 3, Site Map 12/20/2013

Figure 4, Site Map 12/21/2013



Source: Archuleta 7.5 Minute, San Juan County, New Mexico U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2000'

<p>Enterprise Products Jacquez LS #3 Section 30, Township 30N, Range 8W San Juan County, New Mexico</p>	<p>envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS</p> <p>5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615</p>	<p>Vicinity Map</p>	
<p>PROJECT Number: 97057-0612 Date Drawn: 12/21/13</p>		<p>Figure #1</p> <p>DRAWN BY: Tiffany McIntosh</p>	<p>PROJECT MANAGER: Greg Crabtree</p>



LEGEND

X SAMPLE 1:
South Perimeter Composite
~50' Horizontally

X SAMPLE 2:
Near Electrical Lines
~5" BGS Composite

SITE MAP - 12/19/2013

Enterprise Products

Jacquez LS #3

SECTION 30, TWP 30 NORTH, RANGE 8 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

FIGURE NO. 2

REV

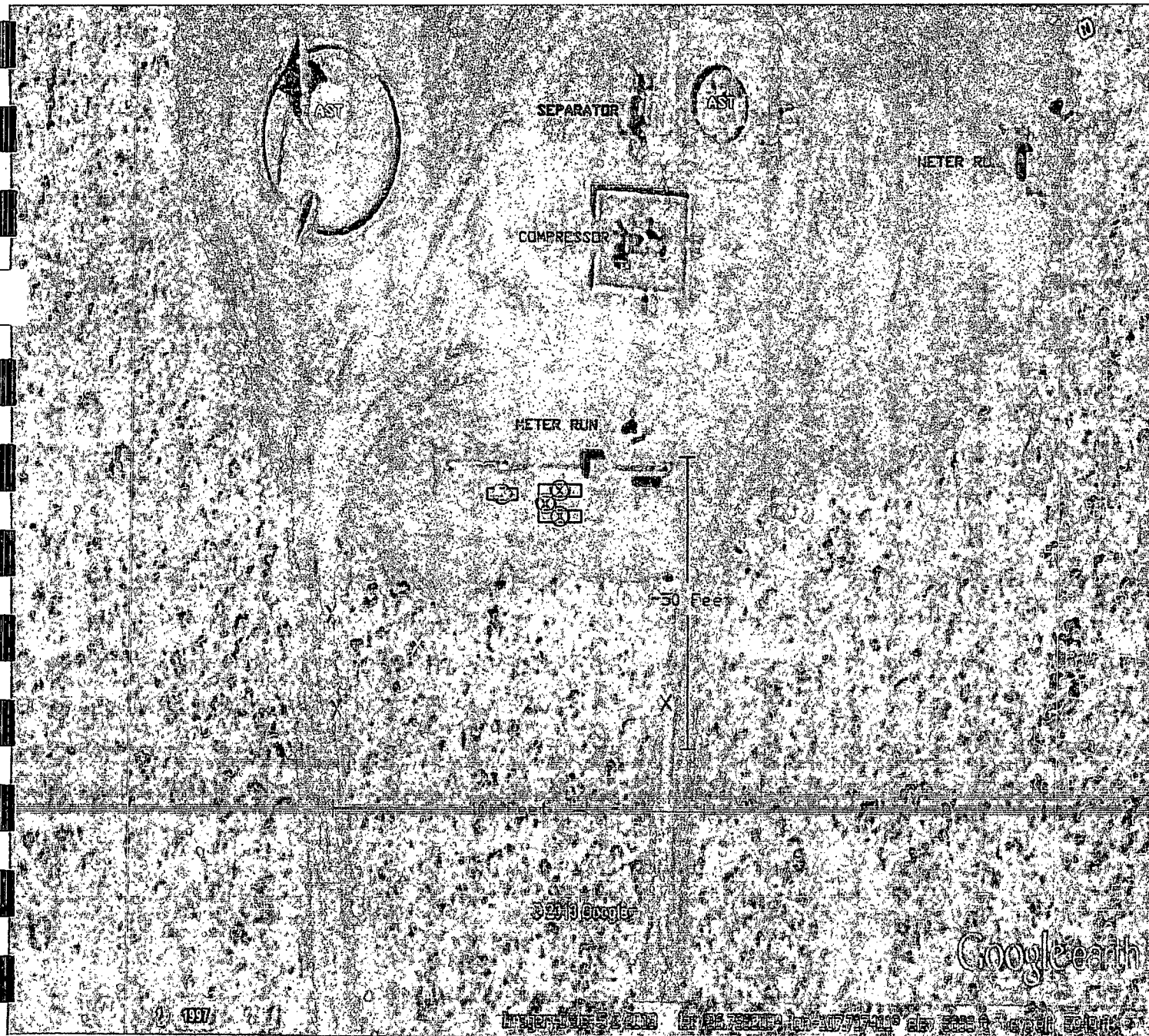
PROJECT NO97057-0612

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	TLM	12/24/13	BASE DRWN TLM 2/25/13



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



LEGEND

- ⊗ SAMPLE 1
Grab Sample ~1.5' BGS
- ⊗ SAMPLE 2
North Grab Sample ~2' BGS
- ⊗ SAMPLE 3
South Grab Sample ~2' BGS
- ⊗ SAMPLE 4
Grab Sample Over
Electrical Lines ~1' BGS
- X SAMPLE 5
South Composite
- X SAMPLE 6
Middle Composite

SITE MAP - 12/20/2013

Enterprise Products

Jacquez LS #3

SECTION 30, TWP 30 NORTH, RANGE 8 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

FIGURE NO. 3

REV

PROJECT N097057-0612

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	TLM	12/24/13	BASE DRWN
			TLM
			2/25/13

 envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



LEGEND

- X SAMPLE 1:
South Composite
- X SAMPLE 2:
Near Meter Run Composite
- X SAMPLE 3:
Middle Composite
- ⊗ SAMPLE 4:
Middle Composite 2

SITE MAP - 12/21/2013

Enterprise Products

Jacquez LS #3

SECTION 30, TWP 30 NORTH, RANGE 8 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS

FIGURE NO. 4

REV

PROJECT NO97057-0612

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	TLM	12/24/13	BASE DRWN TLM 2/25/13



envirotech

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 1. Summary of Analytical Results
Enterprise
Jacquez LS #3
Spill Cleanup Report
San Juan County, New Mexico
Project Number 97057-0612

Sample Description	Sample Number	Date	TPH USEPA Method 418.1 (ppm)	TPH USEPA Method 8015 (ppm)	Benzene USEPA Method 8021 (ppm)	BTEX USEPA Method 8021 (ppm)	OMV (ppm)
NMOC/RCRA Standards	NA	NA	100	100	10	50	100
South Perimeter Composite ~50' Horizontally	1	12/19/2013	192	NS	NS	NS	1.4
Near Electrical Lines ~5' BGS Composite	2	12/19/2013	8110	NS	NS	NS	2021
Grab Sample ~1.5' BGS	1	12/20/2013	104	NS	NS	NS	99.8
North Grab Sample ~2' BGS	2	12/20/2013	148	NS	NS	NS	42.1
South Grab Sample ~2' BGS	3	12/20/2013	108	NS	NS	NS	9.2
Grab Sample Over Electrical Lines ~1' BGS	4	12/20/2013	5440	NS	NS	NS	1260
South Composite	5	12/20/2013	184	NS	NS	NS	2.8
Middle Composite	6	12/20/2013	252	NS	NS	NS	7.1
South Composite	1	12/21/2013	24	ND	ND	ND	0.6
Near Meter Run Composite	2	12/21/2013	68	ND	ND	ND	39.3
Middle Composite	3	12/21/2013	948	NS	NS	NS	924
Middle Composite 2	4	12/21/2013	44	ND	ND	ND	17.3

NS = Not Sampled

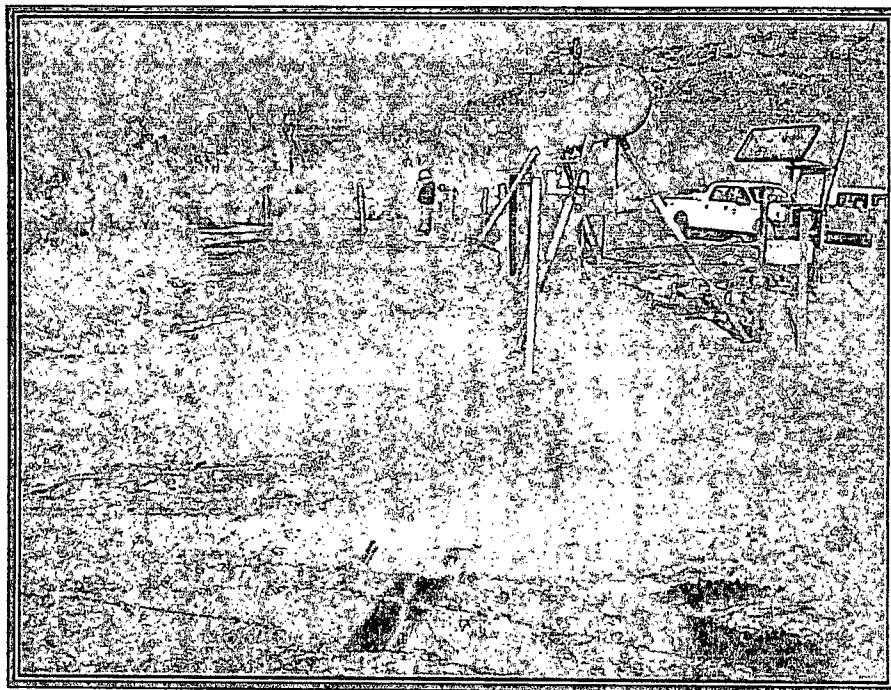
ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards

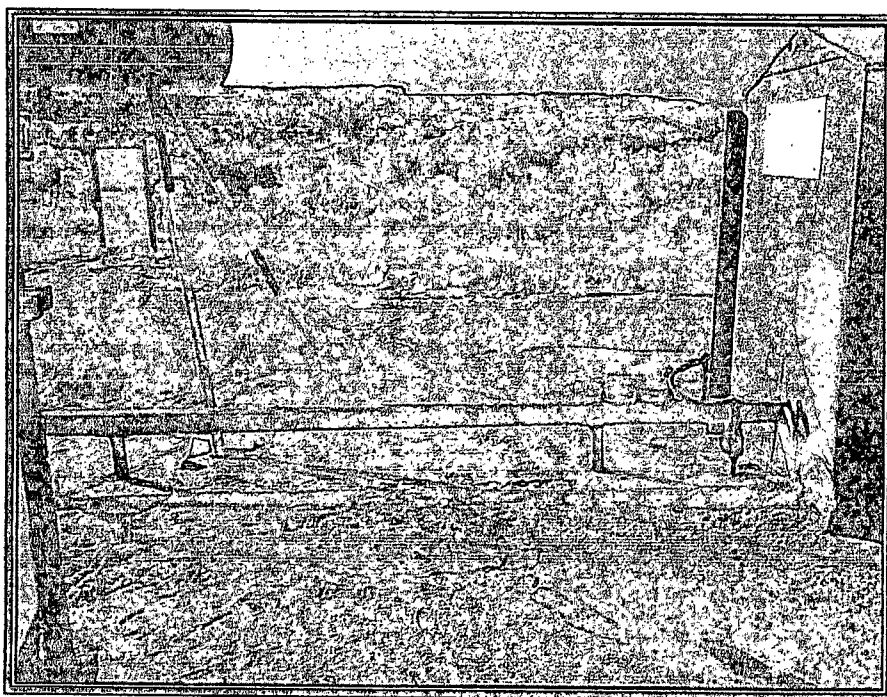
APPENDIX A

Site Photography

Site Photography
Enterprise
Jacquez LS #3
Spill Cleanup Report
Project No. 97057-0612
December 2013

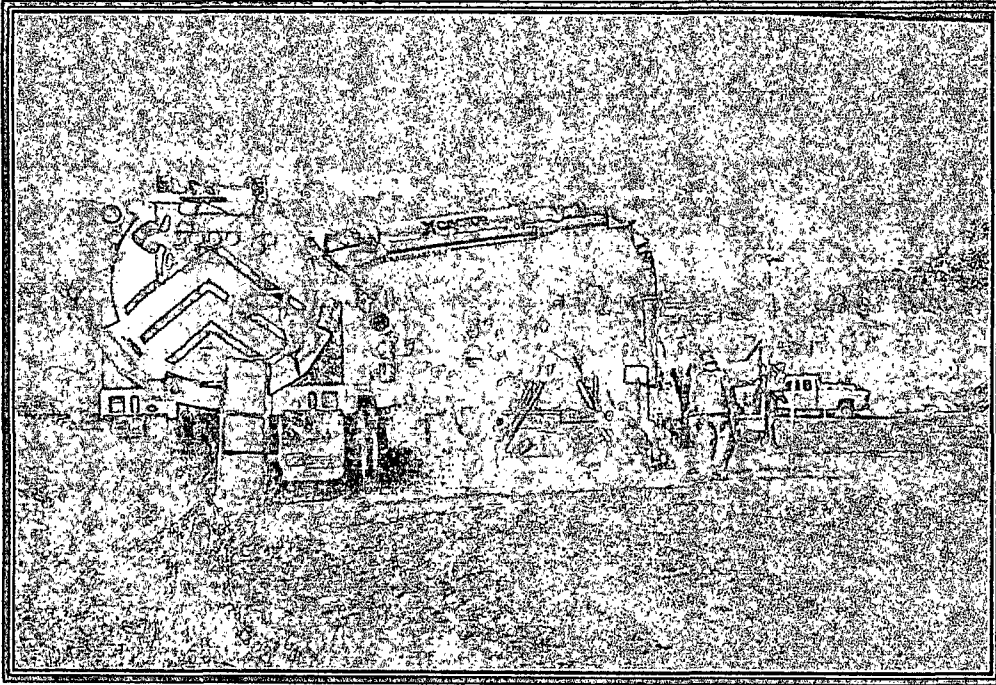


Picture 1: Release Area - 12/19/2013 (View 1)

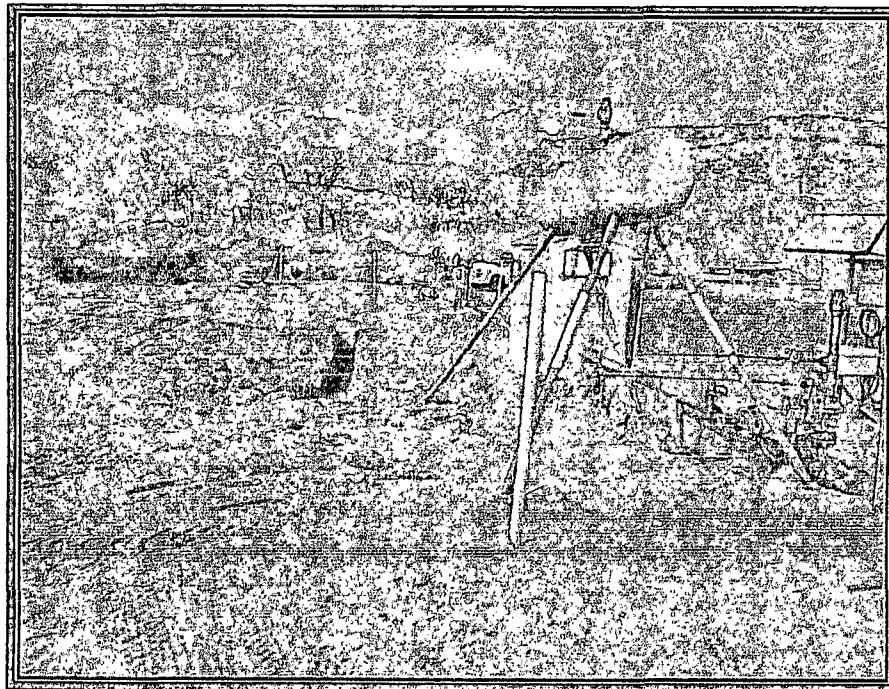


Picture 2: Release Area - 12/19/2013 (View 2)

Site Photography
Enterprise
Jacquez LS #3
Spill Cleanup Report
Project No. 97057-0612
December 2013

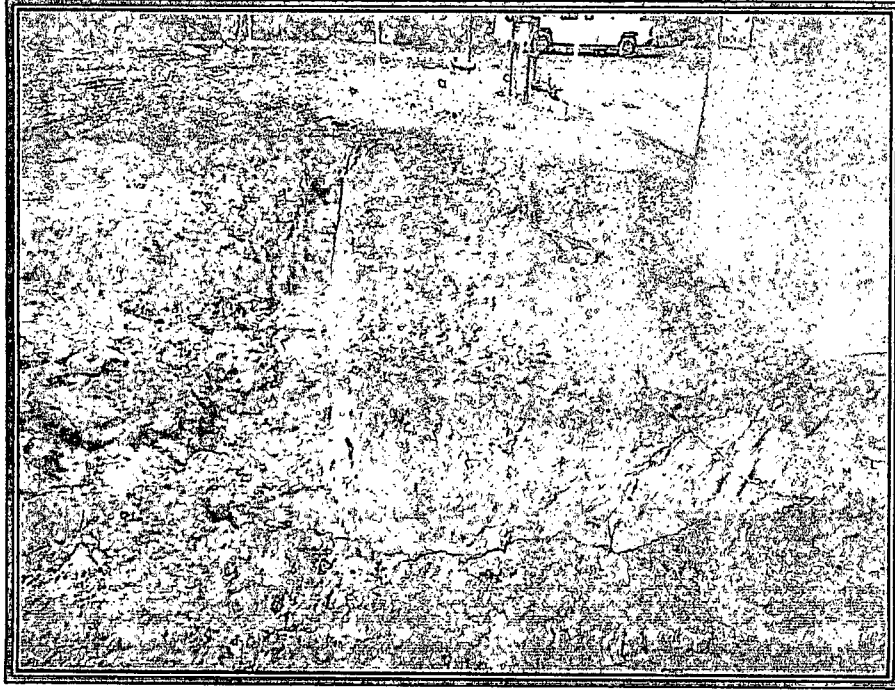


Picture 3: Hydrovac Activities - 12/20/2013 (View 1)

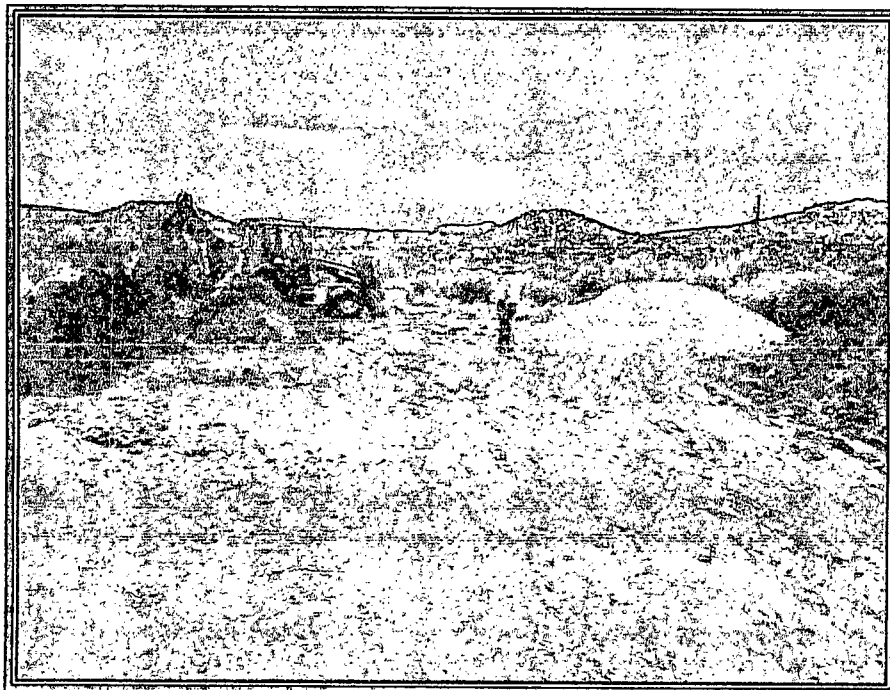


Picture 4: Hydrovac Activities - 12/20/2013 (View 2)

Site Photography
Enterprise
Jacquez LS #3
Spill Cleanup Report
Project No. 97057-0612
December 2013

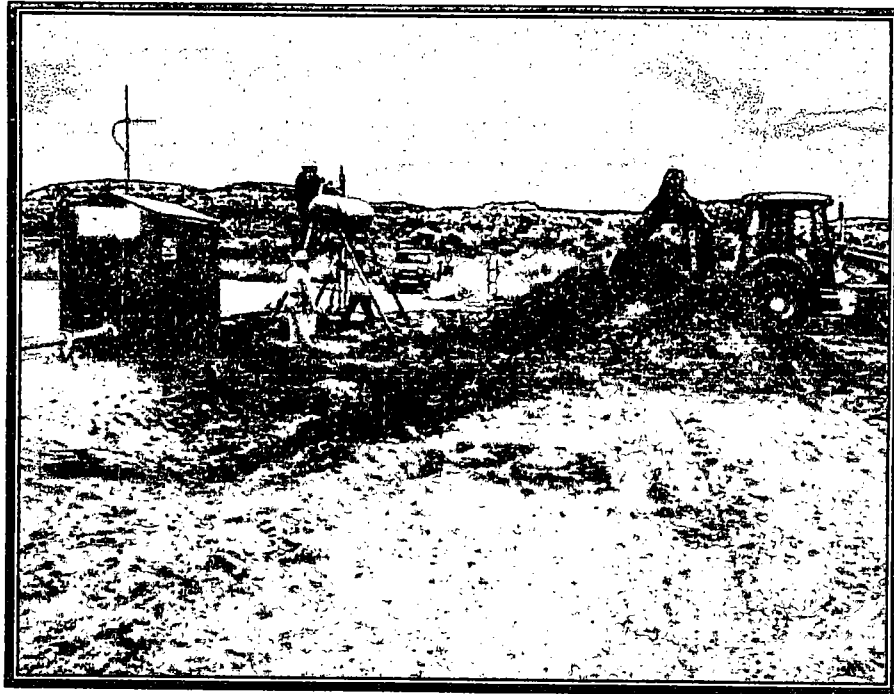


Picture 5: Uncovered Electrical Lines - 12/20/2013

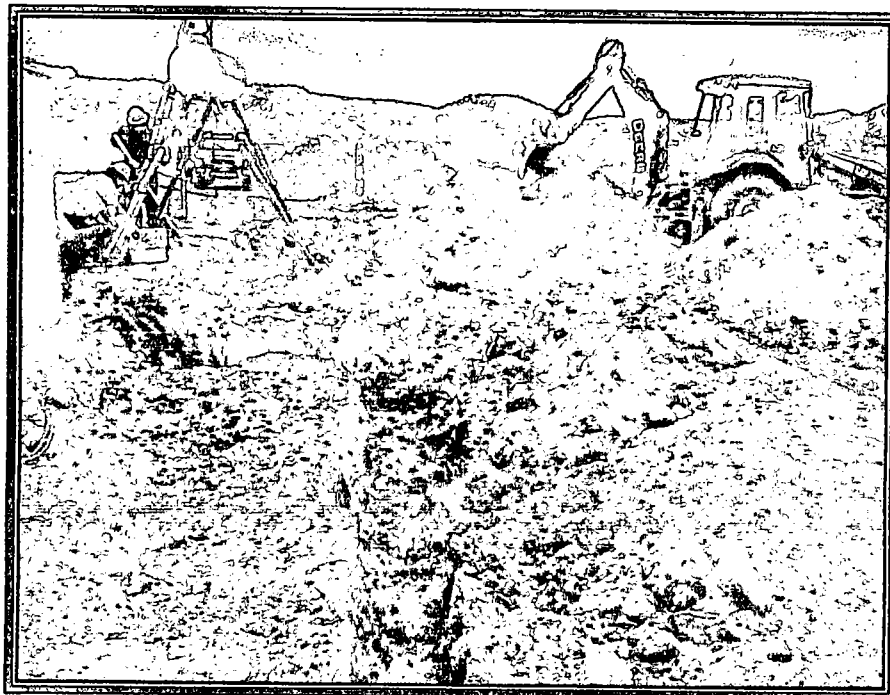


Picture 6: Cleared Vegetation / Clean-fill Pile / Contaminated Soil Stock Piles - 12/21/2013

Site Photography
Enterprise
Jacquez LS #3
Spill Cleanup Report
Project No. 97057-0612
December 2013



Picture 7: Excavation Activities - 12/21/2013 (View 1)



Picture 8: Excavation Activities - 12/21/2013 (View 2)

APPENDIX B

Analytical Results



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	1	Date Reported:	12/24/2013
Sample ID:	South Perimeter ~50' Horizon.	Date Sampled:	12/19/2013
Sample Matrix:	Soil	Date Analyzed:	12/19/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	192	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	2	Date Reported:	12/24/2013
Sample ID:	Near Electrical Lines ~5" BGS	Date Sampled:	12/19/2013
Sample Matrix:	Soil	Date Analyzed:	12/19/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	8,110	5.0
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ND = Parameter not detected at the stated detection limit.


References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


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Toni McKnight, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 19-Dec-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	205
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Tiffany McIntosh
Analyst

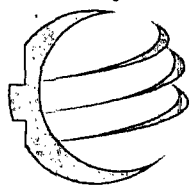
12/24/2013
Date

Tiffany McIntosh
Print Name

Toni McKnight
Review

12/24/2013
Date

Toni McKnight, EIT
Print Name



envirotech

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	1	Date Reported:	12/24/2013
Sample ID:	Grab Sample ~1.5' BGS	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

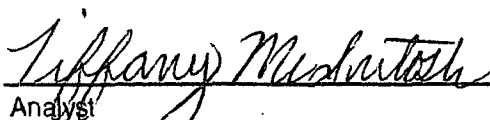
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	104	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	2	Date Reported:	12/24/2013
Sample ID:	North Grab Sample ~2' BGS	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	148	5.0

ND = Parameter not detected at the stated detection limit.

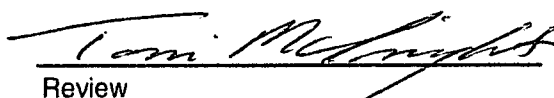
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
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Review

Toni McKnight, EIT
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	3	Date Reported:	12/24/2013
Sample ID:	South Grab Sample ~2' BGS	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	108	5.0

ND = Parameter not detected at the stated detection limit.

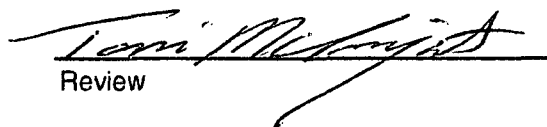
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


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Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	4	Date Reported:	12/24/2013
Sample ID:	Grab Smp./Elec. Lines ~1' BGS	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	5,440	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed

Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	5	Date Reported:	12/24/2013
Sample ID:	South Composite	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	184	5.0

ND = Parameter not detected at the stated detection limit.

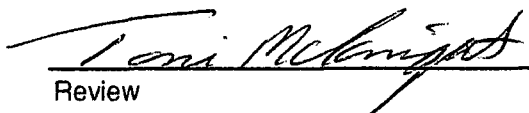
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	6	Date Reported:	12/24/2013
Sample ID:	Middle Composite	Date Sampled:	12/20/2013
Sample Matrix:	Soil	Date Analyzed:	12/20/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	252	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

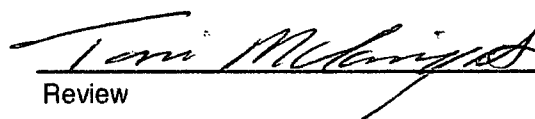
Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Tiffany McIntosh
Printed



Review

Toni McKnight, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 20-Dec-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	200
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Tiffany McIntosh
Analyst

12/24/2013
Date

Tiffany McIntosh
Print Name

Toni McKnight
Review

12/24/2013
Date

Toni McKnight, EIT
Print Name



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	1	Date Reported:	12/24/2013
Sample ID:	South Composite	Date Sampled:	12/21/2013
Sample Matrix:	Soil	Date Analyzed:	12/21/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	24	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

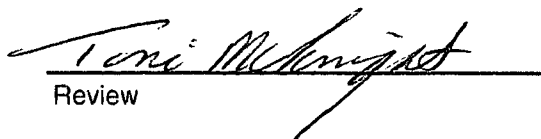
Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh

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Toni McKnight, EIT

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	2	Date Reported:	12/24/2013
Sample ID:	Near Meter Run Composite	Date Sampled:	12/21/2013
Sample Matrix:	Soil	Date Analyzed:	12/21/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	68	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	3	Date Reported:	12/24/2013
Sample ID:	Middle Composite	Date Sampled:	12/21/2013
Sample Matrix:	Soil	Date Analyzed:	12/21/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

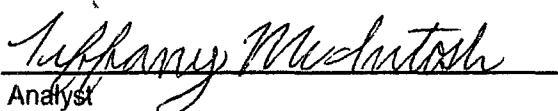
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	948	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Enterprise	Project #:	97057-0612
Sample No.:	4	Date Reported:	12/24/2013
Sample ID:	Middle Composite 2	Date Sampled:	12/21/2013
Sample Matrix:	Soil	Date Analyzed:	12/21/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	44	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jacquez LS #3**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 21-Dec-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	182
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Tiffany McIntosh
Analyst

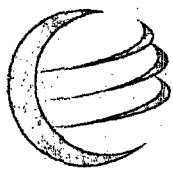
12/24/2013
Date

Tiffany McIntosh
Print Name

Toni McKnight
Review

12/24/2013
Date

Toni McKnight, EIT
Print Name



envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Enterprise Products

Chain Of Custody Number: 16290

Samples Received: 12/23/2013 11:18:00AM

Job Number: 97057-0612

Work Order: P312107

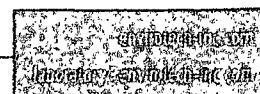
Project Name/Location: Jaquez LS #3

Entire Report Reviewed By:

Date: 1/3/14

Tim Cain, Laboratory Manager

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





envirotech

Analytical Laboratory

Enterprise Products
614 Reilly Ave
Farmington NM, 87401

Project Name: Jaquez LS #3
Project Number: 97057-0612
Project Manager: Tiffany McIntosh

Reported:
03-Jan-14 16:51

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Composite	P312107-01A	Soil	12/21/13	12/23/13	Glass Jar, 4 oz.
Near Meter Run Composite	P312107-02A	Soil	12/21/13	12/23/13	Glass Jar, 4 oz.
Middle Composite 2	P312107-03A	Soil	12/21/13	12/23/13	Glass Jar, 4 oz.

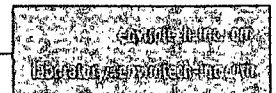
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5796 US Highway 64, Farmington, NM 87401

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

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

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



Enterprise Products
 614 Reilly Ave
 Farmington NM, 87401

 Project Name: Jaquez LS #3
 Project Number: 97057-0612
 Project Manager: Tiffany McIntosh

Reported:
 03-Jan-14 16:51

South Composite
P312107-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Surrogate: Bromochlorobenzene		117 %		80-120	1353009	12/30/13	12/31/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		110 %		80-120	1353009	12/30/13	12/31/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	12/30/13	01/01/14	EPA 8015D	

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Enterprise Products
 614 Reilly Ave
 Farmington NM, 87401

 Project Name: Jaquez LS #3
 Project Number: 97057-0612
 Project Manager: Tiffany McIntosh

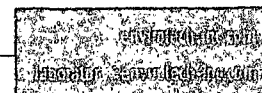
 Reported:
 03-Jan-14 16:51

Near Meter Run Composite

P312107-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Surrogate: Bromochlorobenzene		119 %		80-120	1353009	12/30/13	01/03/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		121 %		80-120	1353009	12/30/13	01/03/14	EPA 8021B	Surrogate
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	12/30/13	01/03/14	EPA 8015D	

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Enterprise Products
 614 Reilly Ave
 Farmington NM, 87401

 Project Name: Jaquez LS #3
 Project Number: 97057-0612
 Project Manager: Tiffany McIntosh

 Reported:
 03-Jan-14 16:51

Middle Composite 2
P312107-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Volatile Organics by EPA 8021

Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	

Surrogate: 1,3-Dichlorobenzene		125 %		80-120	1353009	12/30/13	01/03/14	EPA 8021B	Surr-1
Surrogate: Bromochlorobenzene		123 %		80-120	1353009	12/30/13	01/03/14	EPA 8021B	Surr-1

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	12/30/13	01/03/14	EPA 8015D	

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Enterprise Products
614 Reilly Ave
Farmington NM. 87401

Project Name: Jaquez LS #3
Project Number: 97057-0612
Project Manager: Tiffany McIntosh

Reported:
03-Jan-14 16:51

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

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

Batch 1353009 - Purge and Trap EPA 5030A

Blank (1353009-BLK1)

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.4		ug/L	50.0		101	80-120			
Surrogate: Bromochlorobenzene	53.4		"	50.0		107	80-120			

Duplicate (1353009-DUP1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	53.0		ug/L	50.0		106	80-120			
Surrogate: Bromochlorobenzene	56.0		"	50.0		112	80-120			

Matrix Spike (1353009-MS1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

Benzene	49.4		ug/L	50.0	ND	98.9	39-150			
Toluene	51.0		"	50.0	ND	102	46-148			
Ethylbenzene	49.8		"	50.0	ND	99.6	32-160			
p,m-Xylene	104		"	100	ND	104	46-148			
o-Xylene	51.0		"	50.0	ND	102	46-148			
Surrogate: 1,3-Dichlorobenzene	49.1		"	50.0		98.3	80-120			
Surrogate: Bromochlorobenzene	50.3		"	50.0		101	80-120			

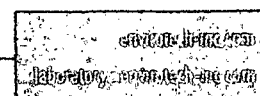
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Ph (970) 259-0615 Fr (800) 362-1879



Enterprise Products
 614 Reilly Ave
 Farmington NM, 87401

 Project Name: Jaquez LS #3
 Project Number: 97057-0612
 Project Manager: Tiffany McIntosh

 Reported:
 03-Jan-14 16:51

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

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

Batch 1353008 - DRO Extraction EPA 3550C
Blank (1353008-BLK1)

Prepared: 30-Dec-13 Analyzed: 01-Jan-14

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

Duplicate (1353008-DUP1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 01-Jan-14

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

Matrix Spike (1353008-MS1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 01-Jan-14

Diesel Range Organics (C10-C28) 230 mg/L 250 7.35 88.9 75-125

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Enterprise Products
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 Project Name: Jaquez LS #3
 Project Number: 97057-0612
 Project Manager: Tiffany McIntosh

 Reported:
 03-Jan-14 16:51

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

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

Batch 1353009 - Purge and Trap EPA 5030A
Blank (1353009-BLK1)

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

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

Duplicate (1353009-DUP1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

Gasoline Range Organics (C6-C10) ND 5.00 mg/kg ND 30

Matrix Spike (1353009-MS1)

Source: P312107-01

Prepared: 30-Dec-13 Analyzed: 31-Dec-13

Gasoline Range Organics (C6-C10) 0.47 mg/L 0.450 0.04 95.1 75-125

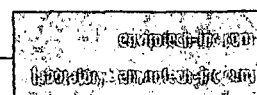
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Enterprise Products
614 Reilly Ave
Farmington NM, 87401

Project Name: Jaquez LS #3
Project Number: 97057-0612
Project Manager: Tiffany McIntosh

Reported:
03-Jan-14 16:51

Notes and Definitions

Surr I Surrogate recovery was above acceptable limits.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

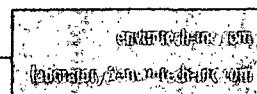
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CHAIN OF CUSTODY RECORD

16290

Page 10 of 10

Client: Enterprise			Project Name / Location: Jacquez LS #3			ANALYSIS / PARAMETERS													
Email results to: T. McIntosh			Sampler Name: T. McIntosh			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 97057-0612																
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl	cool												
South composite	12/21/13	1025	P312107-01	1-4 oz jar			X	X	X										
near meter run composite	I	1152	P312107-02	I			I	I	I										
middle composite 2	I	1256	P312107-03	I			I	I	I										
Relinquished by: (Signature) <i>Tiffany McIntosh</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time						
					12/21/13	1430						12/23/13	11:18						
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																			
																			
5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com																			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lateral 3B-23 Block Valve Leak	Facility Type: Gathering Line/Block Valve	
Surface Owner: Private	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter A	Section 30	Township 29N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.700682 Longitude -108.028410

NATURE OF RELEASE

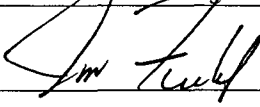
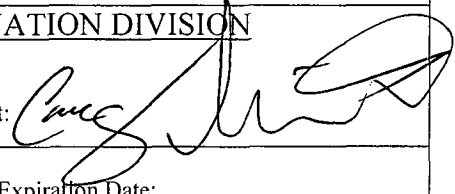
Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: 29 MCF	Volume Recovered: Unknown
Source of Release: Internal Corrosion	Date and Hour of Occurrence: 1/27/2014 @ 6:06 p.m.	Date and Hour of Discovery: 1/27/2014 @ 6:06 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD	
By Whom? Thomas Long	Date and Hour: 1/27/2014 7:00 p.m.	RCUD FEB 14 '14
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Lateral 3B-23 Block Valve. The release area was in the vicinity of a residential area. The line was blown down, taken out of service and LOTO (lock out tag out) was applied. An area of approximately 6 feet by 6 feet was impacted by a condensate/water mix.

Describe Area Affected and Cleanup Action Taken.* An area of approximately 6 feet by 6 feet was impacted by a condensate/water mix. Assessment activities were completed by a third party environmental contractor on 1/28/2014. Remediation activities are scheduled for the week of February 17, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 4/28/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-10-14	Phone: (713)381-6684	

* Attach Additional Sheets If Necessary

#NCS 1411 185 1861

①

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Gartner LS #6M Well Site	Facility Type: Well Site Meter Run/Meter Tube

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

LOCATION OF RELEASE

Unit Letter J	Section 27	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.780385 Longitude -107.660152

NATURE OF RELEASE

Type of Release: Natural gas and possible associated liquids	Volume of Release: 113 MCF	Volume Recovered: Unknown
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/13/2013 @ 4:13 p.m	Date and Hour of Discovery: 12/13/2013 @ 4:13 p.m
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD FEB 18 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

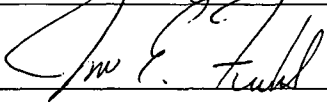
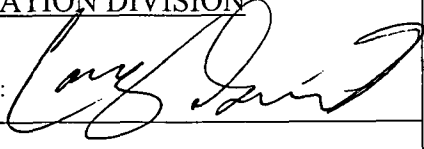
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Pipeline technician reported to supervisor that they had driven onto a location and discovered a coupon valve on the bottom of a dogleg was leaking and blowing gas. Supervisor and other area technicians arrived and LOTO was applied and the broken valve was replaced. An area of staining of approximately 10 feet wide by 10 feet long was observed.

Describe Area Affected and Cleanup Action Taken.*

Remediation activities were completed on January 6, 2014. An area of approximately 19 feet wide by 14 feet long was impacted. Approximately 30 cubic yards of hydrocarbon contaminated soil were excavated and transported to a NMOCD approved land farm facility. A third party environmental contractor corrective action report is included with this "final" c-141.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon E. Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 4/28/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-14-14 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

NCS 141184 8696

40

Enterprise Products
Gartner LS #6M Pipeline Release
Latitude North 36.780385°, Longitude West -107.660152°
Unit J Section 27 T30N R8W
San Juan County, New Mexico
January 27, 2014

RCVD FEB 18 '14
OIL CONS. DIV.
DIST. 3



Submitted To:

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

Submitted By:

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



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1.0	Executive Summary	1
2.0	Introduction	2
3.0	Site Ranking and Land Jurisdiction	2
4.0	Summary of Field Activities	2
5.0	Conclusions and Recommendations	3
6.0	Closure and Limitations	4

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Figure 1: Vicinity Map

Figure 2: Site Location Map

Figure 3: Soil Contaminant Concentration Map

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Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Field Screening Results

Table 4: Summary of Laboratory Analysis

Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation

Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

On December 27 and 31, 2013 and January 3 and 6, 2014, Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the Gartner LS #6M pipeline. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION					
Name	Gartner LS #6M Release				
Location	Latitude/Longitude		Section, Township, Range		
	36.780385°	-107.660152°	Unit J	Section 27	T 30N, R 8W
Date Reported	December 16, 2013				
	Thomas Long				
Land Owner	Bureau of Land Management (BLM)				
Reported To	BLM, NM Oil Conservation Division (NMOCD)				
Diameter of Pipeline	4 inches				
Source of Release	Faulty Valve				
Release Contents	Natural Gas Liquids/Condensate				
Release Volume: Natural Gas	113 MCF				
Release Volume: Liquids/Condensate	Unknown				
Nearest Waterway	Unnamed Tributary of the Gobernador Wash				
Depth to Groundwater	Assumed to be greater than 100 feet				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	0				
SMA Response Dates	12/27/13, 12/31/13, 1/3/14 and 1/6/14				
Subcontractors	Energy Maintenance Services (EMS)				
Disposal Facility	Industrial Ecosystems Incorporated (IEI), Envirotech Landfarm				
Yd ³ Contaminated Soil Excavated and Disposed	30				
BBLs Contaminated Soil Hydrovacted and Disposed	30				

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Gartner LS #6M pipeline. The Gartner LS #6M release was a result of a faulty bleed valve associated with the steel pipeline. The bleed valve froze and remained opened, allowing the release of natural gas and condensate. Approximately 133 thousand cubic feet (MCF) of natural gas was lost and the amount of liquid/condensate lost is unknown. The release was reported on December 16, 2013. The pipeline is located in Unit J, Section 27, Township 30 North, Range 8 West, 36.780385°, -107.660152°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located west of an unnamed tributary wash of Gobernador Wash on land owned by the Bureau of Land Management with an elevation of approximately 6,350 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be greater than 100 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. Additionally, no wells or points of diversion were located within a 1 mile radius of the site. The physical location of this release is within the jurisdiction of the Bureau of Land Management. This release location has been assigned a NMOCD ranking of 0 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 5000 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

Upon discovery of the release Enterprise personnel replaced the leaking bleed valve. On December 27 and 31, 2013, and January 3 and 6, 2014, SMA mobilized to the release site to oversee excavation activities and to further delineate the release area through field screening using a calibrated photoionization detector (PID). During the excavation, soil samples were collected for field screening to determine the extent of the release. Under the supervision of SMA, EMS potholed the underground pipeline with a hydrovac and

excavated the hydrocarbon impacted soil using a rubber-tired backhoe. Table 3 summarizes the field screening results. Field notes are included in Appendix A.

The final excavation measured approximately 19 feet long by 14 feet wide with excavation depths ranging from approximately 2.5 feet to 7.0 feet below ground surface. Field screening of the excavated material determined that the soils removed were not suitable for use as a backfill material. The impacted soil was transported for disposal to Industrial Ecosystems Inc. Landfarm (30 Yd³ and 5 BBLs) on Crouch Mesa, and Envirotech Landfarm (25 BBLs), on Hill Top. Both disposal facilities are near Bloomfield, New Mexico. Approximately 30 Yd³ and 30 BBLs were disposed of. Certificates of waste are included in Appendix C.

All laboratory soil samples were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation and laboratory samples locations with laboratory report results.

5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 0: 10 ppm benzene, 50 ppm total BTEX, and 5000 ppm TPH. Laboratory analysis of the excavation detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines. The impacted soil was hauled off site for disposal. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

6.0 Closure and Limitations

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

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

Submitted by:

SOUDER, MILLER & ASSOCIATES

Reviewed by:

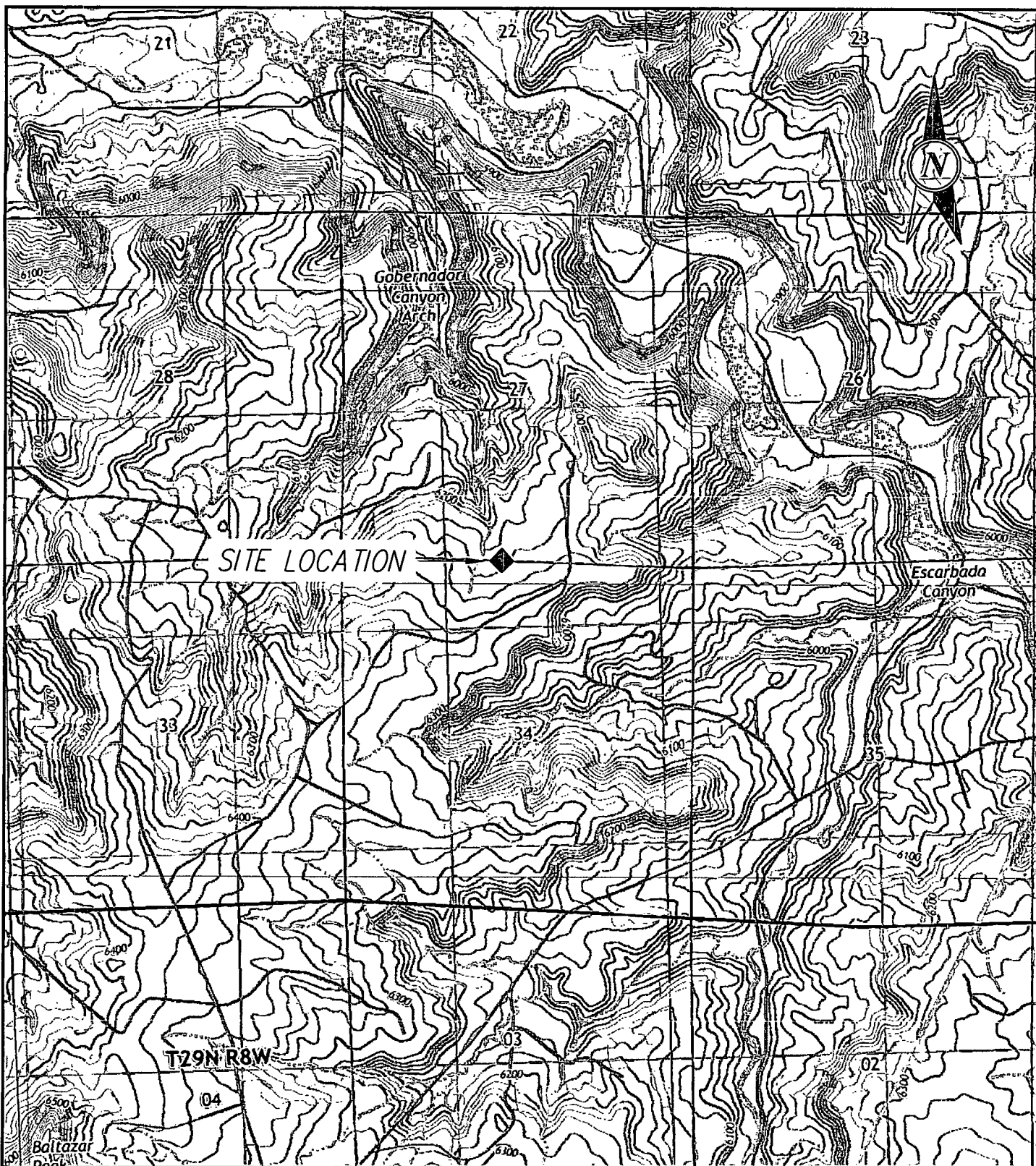


Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist

FIGURES



SITE LOCATION

Gobernador
Canyon
Arch

Escarbada
Canyon

T29N R8W

Baltazar
Peak

SCALE

0' 1000' 2000' 4000'



SOUDER, MILLER & ASSOCIATES
401 W. BROADWAY
FARMINGTON, NM 87401
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045
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Cortez - Grand Junction - Montrose, CO - Safford, AZ - Moab, UT

ENTERPRISE

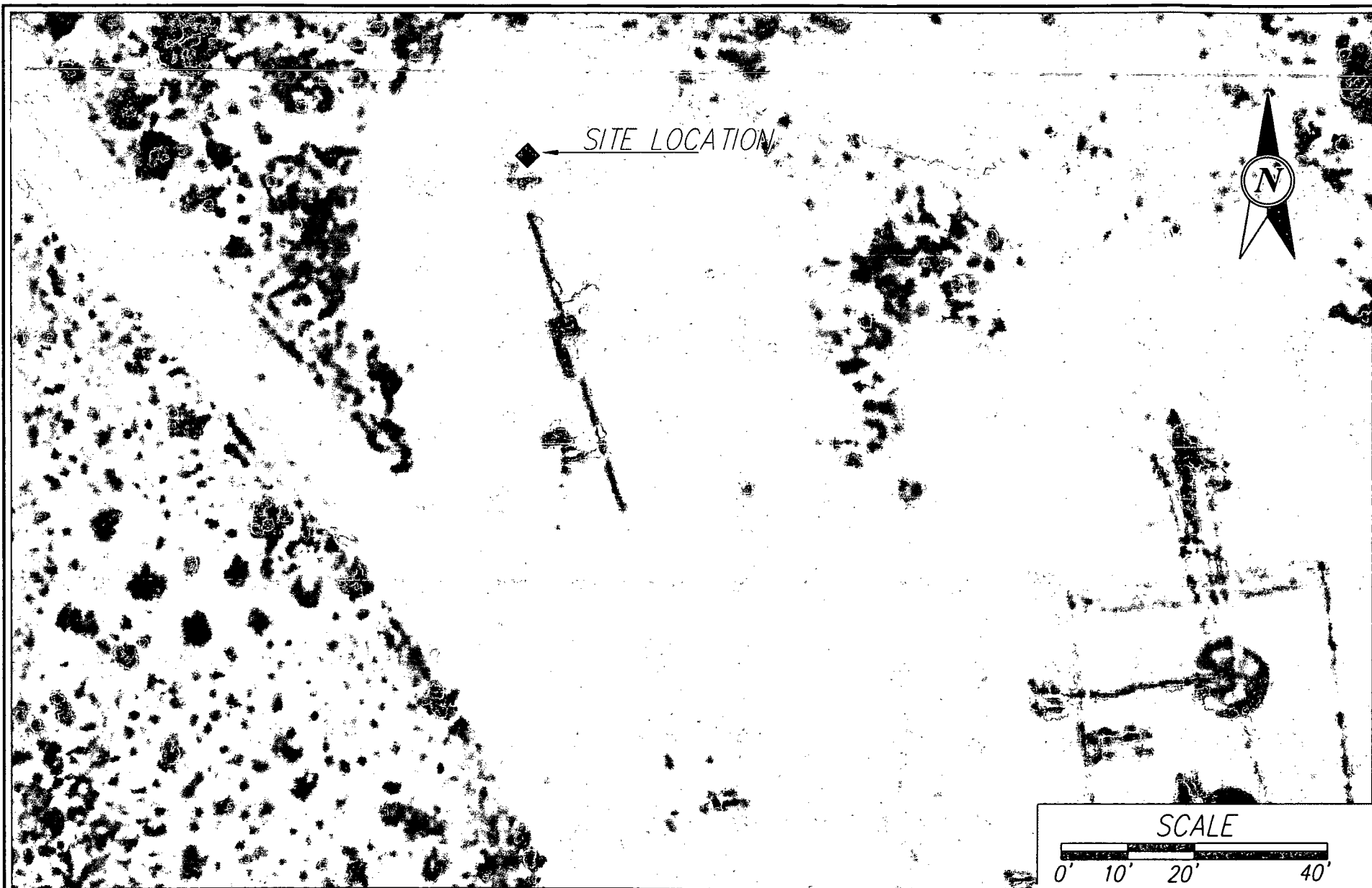
FARMINGTON, NEW MEXICO

VICINITY MAP
GARTNER LS #6M
SECTION 27, T30N, R8W

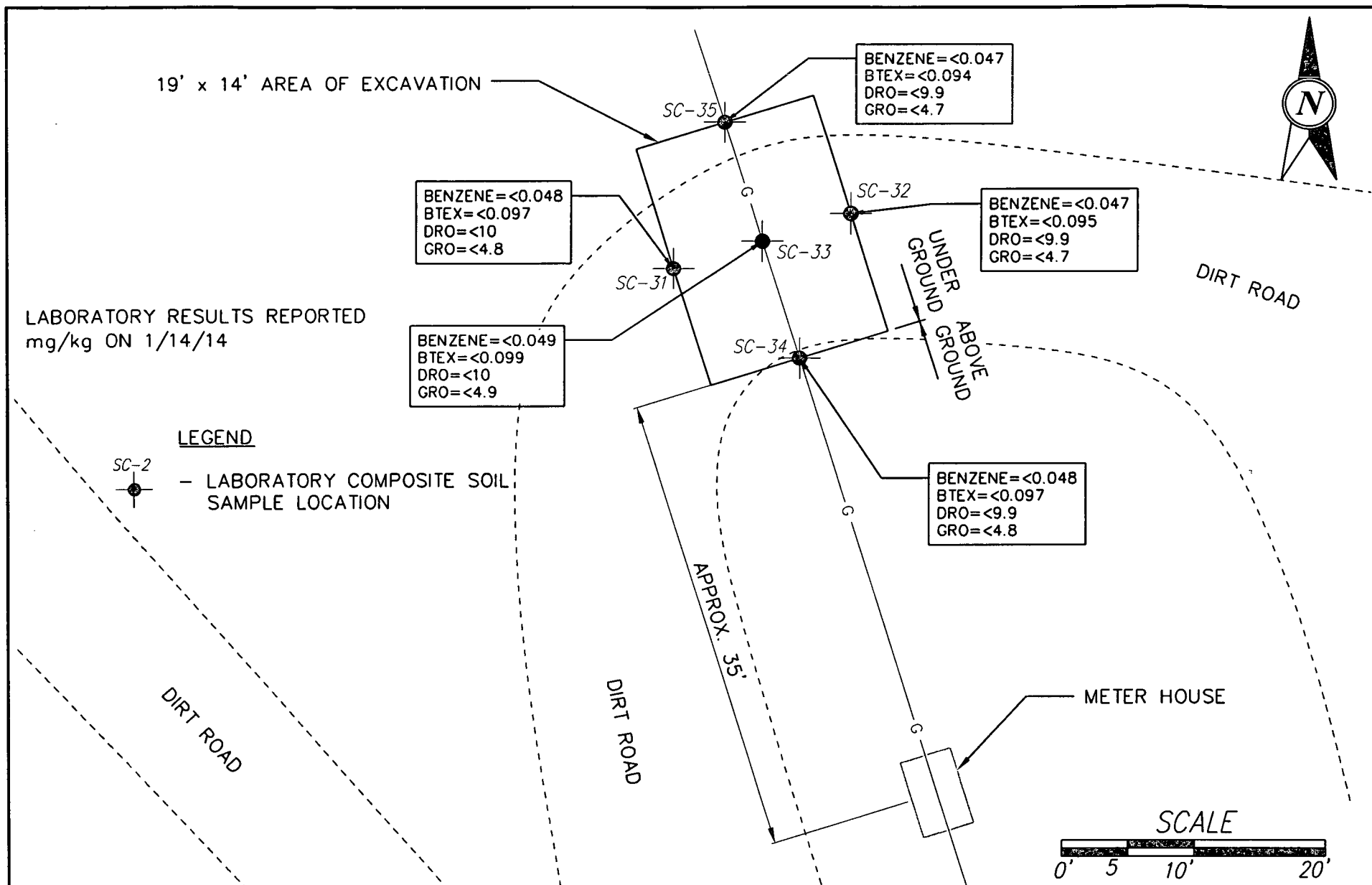
SAN JUAN COUNTY, NEW MEXICO

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

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS SO MARKED INDICATED



THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED	 Engineering Environmental Surveying	SOUDER, MILLER & ASSOCIATES 401 W. BROADWAY FARMINGTON, NM 87401 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 325-0045 www.soudermiller.com Serving the Southwest & Rocky Mountains Albuquerque, Farmington, Las Cruces, Roswell, Santa Fe, NM • El Paso, TX Cortez • Grand Junction • Montrose, CO • Salt Lake City, UT • Moab, UT	ENTERPRISE SAN JUAN COUNTY, NEW MEXICO	FARMINGTON, NEW MEXICO SITE LOCATION MAP GARTNER LS #6M SECTION 27, T30N, R8W	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Designed SM</td> <td style="width: 33%;">Drawn DJB</td> <td style="width: 33%;">Checked RSA</td> </tr> <tr> <td colspan="3">Date: 1/3/2014</td> </tr> <tr> <td colspan="3">Scale: Horiz: 1"=20' Vert: N/A</td> </tr> <tr> <td colspan="3">Project No: 5122104</td> </tr> <tr> <td colspan="3">Sheet: 2</td> </tr> </table>	Designed SM	Drawn DJB	Checked RSA	Date: 1/3/2014			Scale: Horiz: 1"=20' Vert: N/A			Project No: 5122104			Sheet: 2		
	Designed SM	Drawn DJB	Checked RSA																	
	Date: 1/3/2014																			
	Scale: Horiz: 1"=20' Vert: N/A																			
	Project No: 5122104																			
Sheet: 2																				



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ENTERPRISE

FARMINGTON, NEW MEXICO

SOIL CONTAMINANT CONCENTRATION MAP
GARTNER LS #6M
SECTION 27, T30N, R8W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date:	1/3/2014	
Scale:	Horizontal: 1"=10'	Vertical: N/A
Project No:	5122104	
Sheet:	3	

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

TABLES

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		Verified using Google earth and Topo maps; Field verified.	Groundwater is assumed to be greater than 100 feet below ground surface.
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		Verified using Google Earth and Topo maps; Field verified.	Release is located greater than 1,000 feet west of a tributary wash of Gobernador Wash.
200'-1000' = 10			
>1000' = 0	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	New Mexico State Engineer's Office online water well data base	No recorded water wells located with 1,000 feet or within a 1 mile radius.
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



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

Gartner LS #6M
Pipeline Release
1/27/2014

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field screening Reference	Sample Depth (Feet BGS)	PID Reading	Lab Sample Collected Y/N
12/27/2013	14:35	SC-1 (20' N of Release)	0	2.1	N
12/27/2013	14:35	SC-2 (10' N of Release)	0	171.2	N
12/27/2013	14:36	SC-3 (20' S of Release)	0	14	N
12/27/2013	14:36	SC-4 (10' S of Release)	0	164.3	N
12/27/2013	14:37	SC-5 (20' W of Release)	0	2.2	N
12/27/2013	14:37	SC-6 (10' W of Release)	0	741.1	N
12/27/2013	14:40	SC-7 (15' N of Release)	0	673.5	N
12/27/2013	14:41	SC-8 (15' S of Release)	0	26.7	N
12/27/2013	14:42	SC-9 (15' W of Release)	0	31.2	N
12/27/2013	14:46	SC-10 (At Release Point)	0	2278	N
12/31/2013	9:45	SC-11 (10' W of Release)	0.75	1147	N
12/31/2013	9:46	SC-12 (8' S of Release)	1.0	171.2	N
12/31/2013	9:47	SC-13 (8' N of Release)	1.0	669.2	N
12/31/2013	9:48	SC-14 (At Release Point)	3.0	1832	N
12/31/2013	10:34	SC-15 (12' S of Release)	1.5	1349	N
12/31/2013	10:35	SC-16 (5' W of Release)	1.5	182.6	N
12/31/2013	10:36	SC-17 (5' S of Release)	1.5	76.9	N
12/31/2013	14:12	SC-18 (5' N of Release)	2.0	1671	N
12/31/2013	14:13	SC-19 (5' S of Release)	3.5	1720	N
12/31/2013	14:14	SC-20 (5' W of Release)	2.0	540.8	N
12/31/2013	14:16	SC-21 (At Release Point)	5.0	1587	N
1/3/2014	14:28	SC-22 (W Base)	3.5	254.8	N
1/3/2014	14:29	SC-23 (SW Corner - Base)	3.5	452.1	N
1/3/2014	14:30	SC-24 (W Wall)	3.5	309.2	N
1/3/2014	14:55	SC-25 (W Wall 5' from Release)	3.5	57.4	N
1/3/2014	15:21	SC-26 (W Base)	4.0	126.2	N
1/3/2014	15:22	SC-27 (NE Corner)	2.0	371.6	N
1/6/2014	10:57	SC-28 (E Wall)	2.5	158.6	N
1/6/2014	10:58	SC-29 (N Wall)	2.5	337.2	N
1/6/2014	10:59	SC-30 (2' E of Release)	5.0	2098	N
1/6/2014	12:18	SC-31 (W Wall)	7.0	38.2	Y
1/6/2014	12:19	SC-32 (E Wall)	7.0	11.8	Y
1/6/2014	12:20	SC-33 (Base)	7.0	33.5	Y
1/6/2014	12:21	SC-34 (S Wall)	7.0	152.4	Y
1/6/2014	12:22	SC-35 (N Wall)	7.0	106.3	Y



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 0		5000 ppm		10 ppm	50 ppm
1/6/2014	12:18	SC-31 W. Wall	7	<4.8	<10	<0.048	<0.097
1/6/2014	12:19	SC-32 E. Wall	7	<4.7	<9.9	<0.047	<0.095
1/6/2014	12:20	SC-33 Base	7	<4.9	<10	<0.049	<0.099
1/6/2014	12:21	SC-34 S. Wall	7	<4.8	<9.9	<0.048	<0.097
1/6/2014	12:22	SC-35 N. Wall	7	<4.7	<9.9	<0.047	<0.094



APPENDIX A
FIELD NOTES

SUBJECT Gardner LS #60M

PROJECT

PAGE

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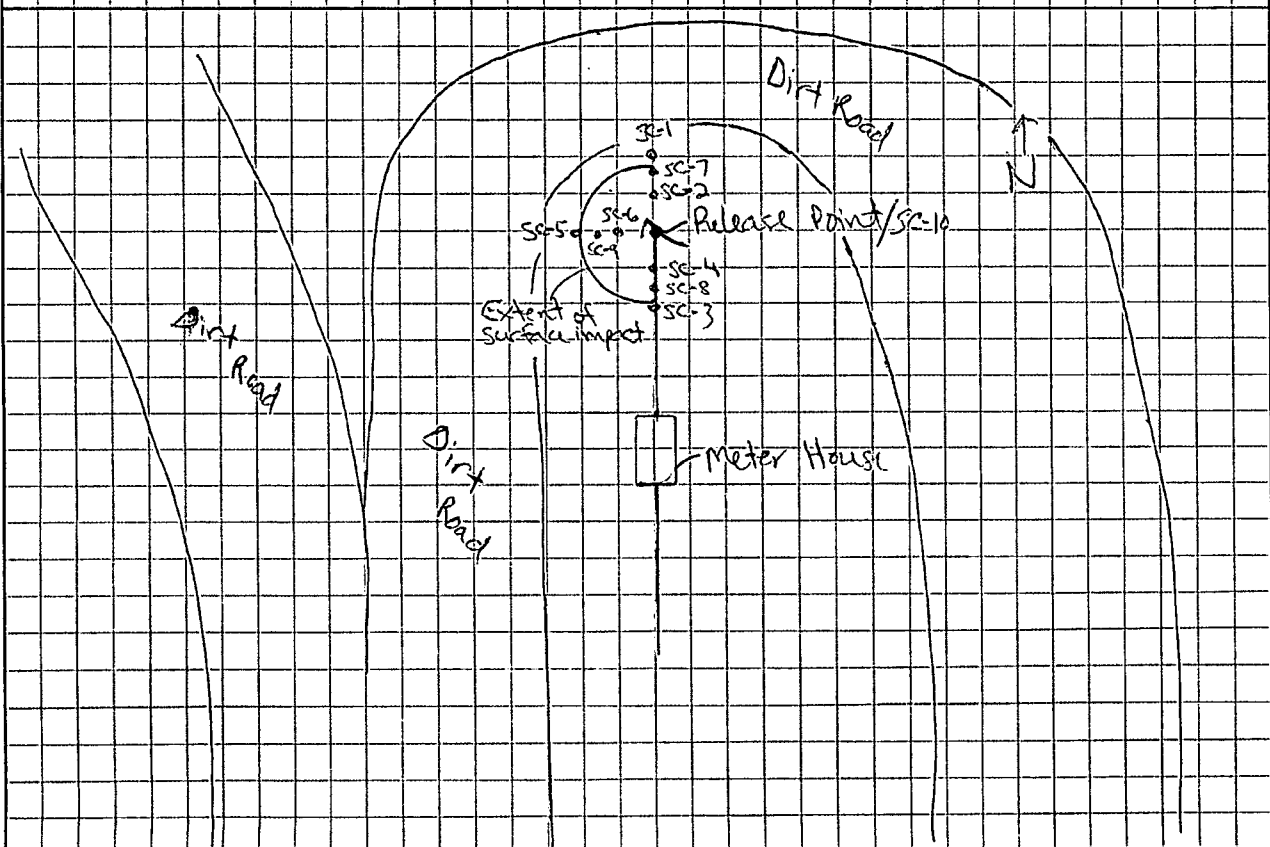
BY

- on site @ 1430

- Begin field sample collection & screening; frozen soil ~ 0.25 bags

<u>Location</u>	<u>PID</u>	<u>Collection Time</u>	<u>Screen Time</u>
SC-1 20' N @ surf.	2.1	1435	1448
SC-2 20' " " "	171.2	1435	1448
SC-3 20' S @ surf	14.0	1436	1449
SC-4 20' " " "	164.3	1436	1450
SC-5 20' W @ surf	2.2	1437	1450
SC-6 20' " " "	74.1	1437	1451
SC-7 15' N @ surf	673.5	1440	1452
SC-8 15' S @ surf	26.7	1441	1455
SC-9 15' W @ surf	31.2	1442	1455
SC-10 Release point @ surf	227.8	1446	1458

- off site @ 1530



SUBJECT Gartner LS #6m

PROJECT

PAGE 10thCLIENT EPCODATE 12/31/13BY SJM

CHECKED

BY

- on site @ 0935, EMS already excavated in vicinity of dog leg / release point to about 3' bgs. Also scraped surface impacts to about 1' bgs (about 10' radius).

- Complete SMA Tailgate Safety sheet. Talk w/ Liz Greenhorn (EPCO) about getting Vac-Truck to excavate around dog leg.

- Collect sample for field screening in area excavated. Cal. PID

<u>Location</u>	<u>PID</u>	<u>Depth</u>	<u>Time collected</u>	<u>Time screened</u>
SC-11 10'W	1147	0.75	0945	1056
SC-12 8'S	171.2	1.0	0946	1007
SC-13 8'N	669.2	1.0	0947	1007
SC-14 (RP.)	1832	3.0	0948	1058

- Remove approx 0.5' from accessible areas (away from underground piping)

<u>Location</u>	<u>PID</u>	<u>Depth</u>	<u>Time collected</u>	<u>Time screened</u>
SC-15 (12'W)	1249	1.5	1034	1055
SC-16 (5'W.)	182.6	1.5	1035	1056
SC-17 (5'S.)	76.9	1.5	1036	1056

- Hydraulic on site @ ~ 11:50, begin line excavation.

- Hydraulic to expose pipeline connection @ dog leg (approx 5.0' bgs)

<u>Location</u>	<u>PID</u>	<u>Depth</u>	<u>Time collected</u>	<u>Time screened</u>
SC-18 5'N	1671	2.0'	1412	1426
SC-19 5'S	1720	3.5'	1413	1427
SC-20 5'W	540.8	2.0'	1414	1428
SC-21 RP @ ~	1587	5.0' (bedrock)?	1416	1429

- Update Tom Long, off site ~ 1445

SUBJECT Gortner LS #60M

PROJECT

PAGE 2 of 2

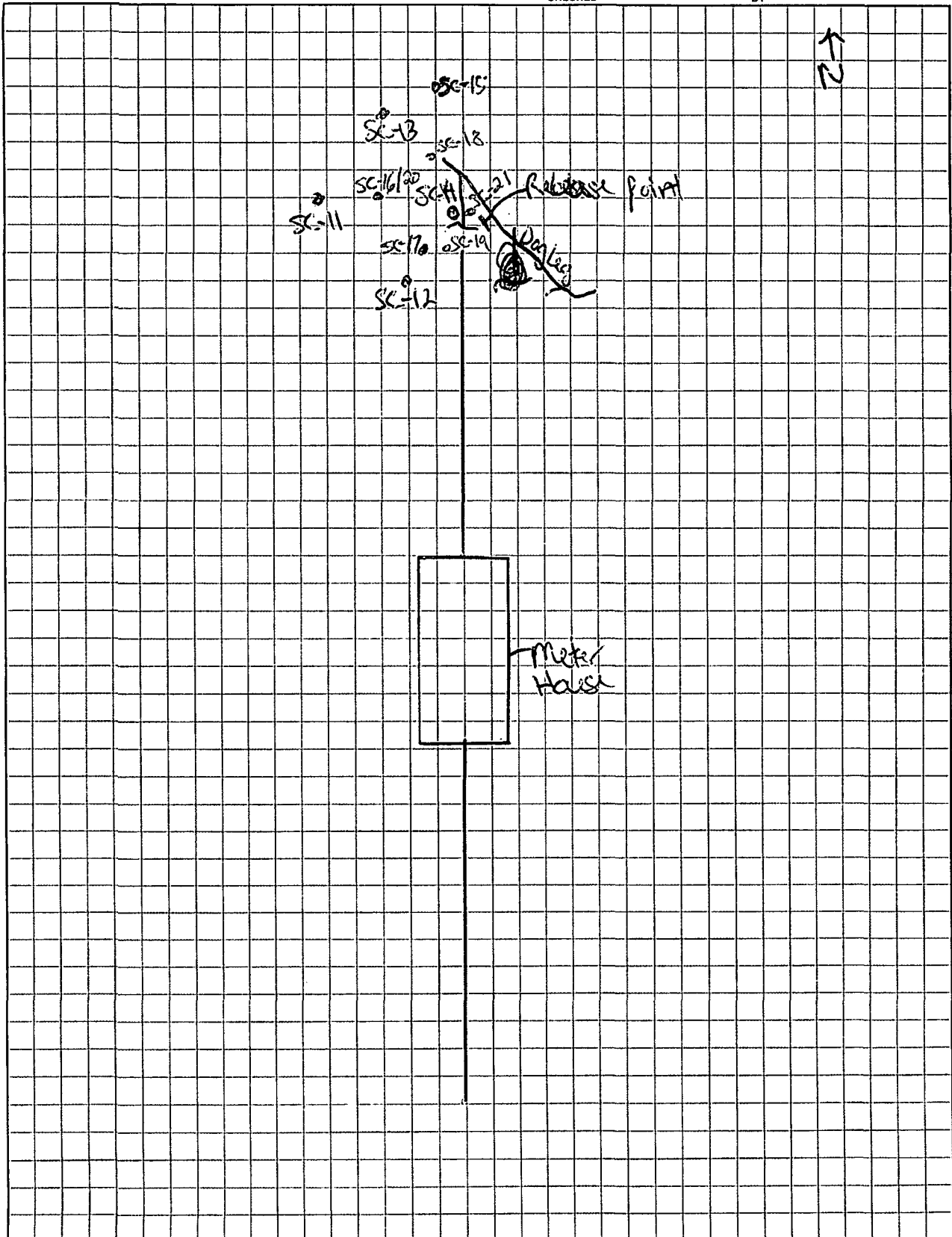
CLIENT EPCO

DATE 12/31/13

BY SJM

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BY



SUBJECT Gartner LS #6m

PROJECT

PAGE

CLIENT EPCO

DATE 1/3/14

BY Jam

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BY

- S. Moskal on site @ 0900, nobody on site
- EMS Dump Truck & vac truck (trailer mounted) on site 0915
- conduct SMA tailgate safety
- Bump test PID: 102.1
- EPCO on site @ 1200, perform Safety meeting / safe work permit
- BP on site questioning notification, isolated well head & meter run
- Begin Hydrovac @ 1315
- Excavate Trench along ~~to~~ suspected western edge of excavation collected samples

Location	PID	Depth	Time collected	Time screened
SC-22 W. Base	254.8	3.5'	1428	1444
SC-23 SW corner	452.1	3.5'	1429	1445
SC-24 W. wall (4')	309.2	3.5'	1430	1446
SC-25 W. wall (5' away)	57.4	3.5'	1455	1502
SC-26 W. Base @ 4.0'	126.2	4.0'	1521	1533
SC-27 NE corner	371.6	2.0'	1522	1534

- Vac Truck contents disposed of @ Envirotech, Dump Truck disposed @ IFEI (2nd load)

- Off site ~ 1550

SUBJECT Gartner LS#6m

PROJECT

PAGE

1 of 2CLIENT EPCO

DATE

1/6/14

BY

SJM

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BY

- Sampled on site @ 10:30, EMS already began excavation
- Conduct SMA Targeted safety sign on EPCO safe work permit
- Calibrate PID: 100.1 ppm

Collected samples for field screening:

<u>Location</u>	<u>PID</u>	<u>Depth</u>	<u>Time collected</u>	<u>Time screened</u>
SC-28 (E wall @ 25')	158.6	2.5'	1057	1114
SC-29 (N wall)	337.2	2.5'	1058	1115
SC-30 E of RFP (2E)	2098	5.0'	1059	1116
SC-31 (W. wall)	38.2	7.0'	1218	1232
SC-32 (E. wall)	1.8	7.0'	1219	1233
SC-33 (Base)	533.5	7.0'	1220	1234
SC-34 (S. wall)	152.4	7.0'	1221	1235
SC-35 (N. wall)	106.3	7.0'	1222	1237

* Indicates Lab Sample location

- Collect lab samples

off site @ 1315

SUBJECT Gartner LS #6M

PROJECT

PAGE 2 of 2

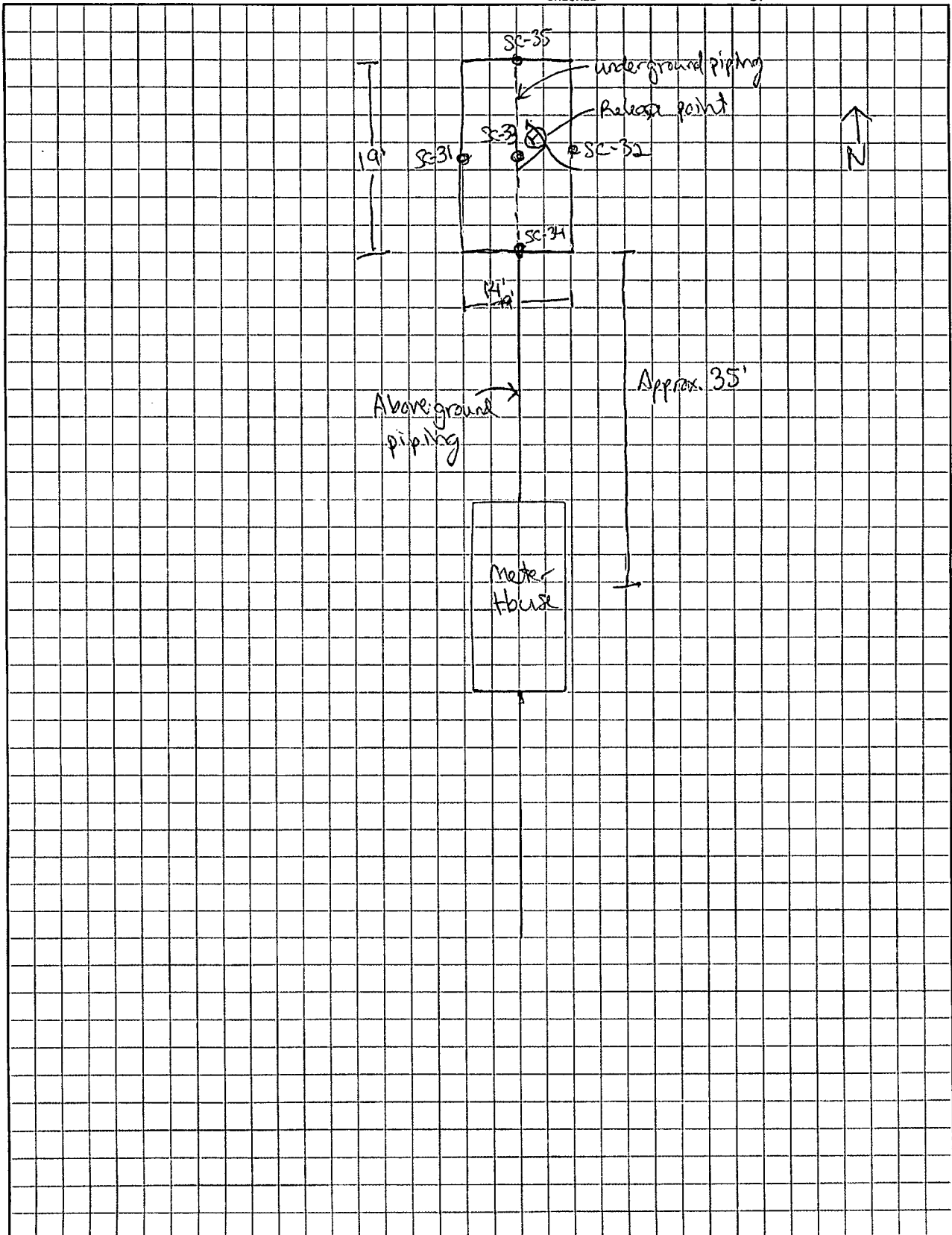
CLIENT EPCO

DATE 1/6/13

BY SJM

CHECKED

BY



APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products Gartner LS #6M Pipeline Release

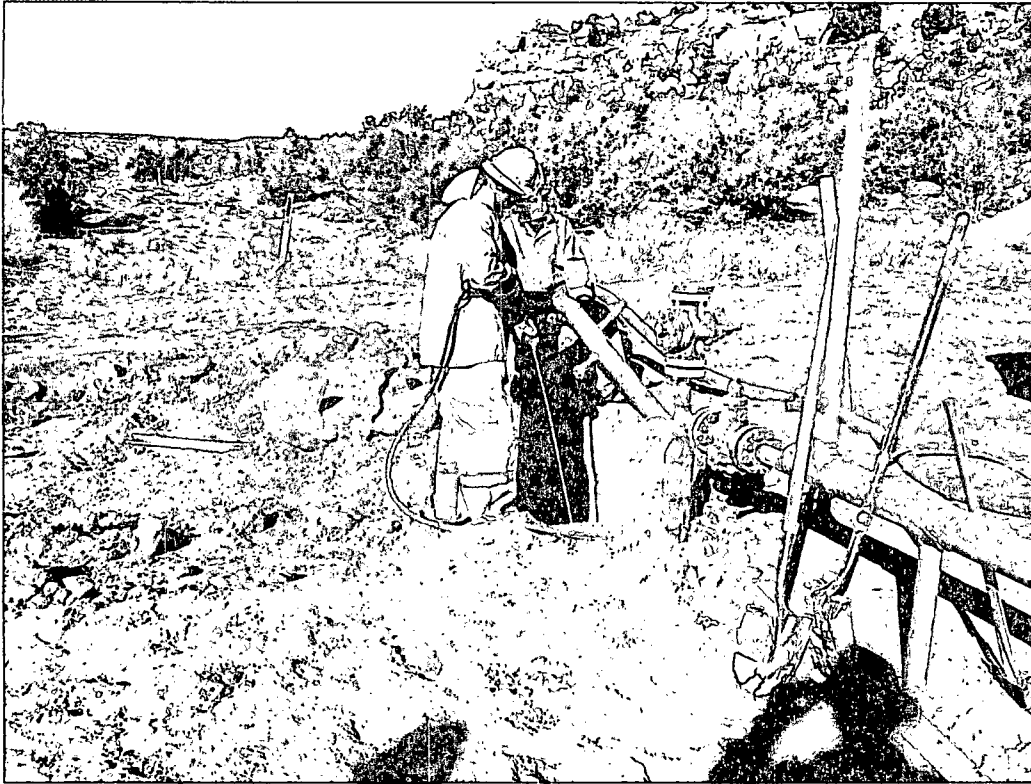


Photo 1: Hydrovac activities prior to excavation to determine the location of the underground pipeline.

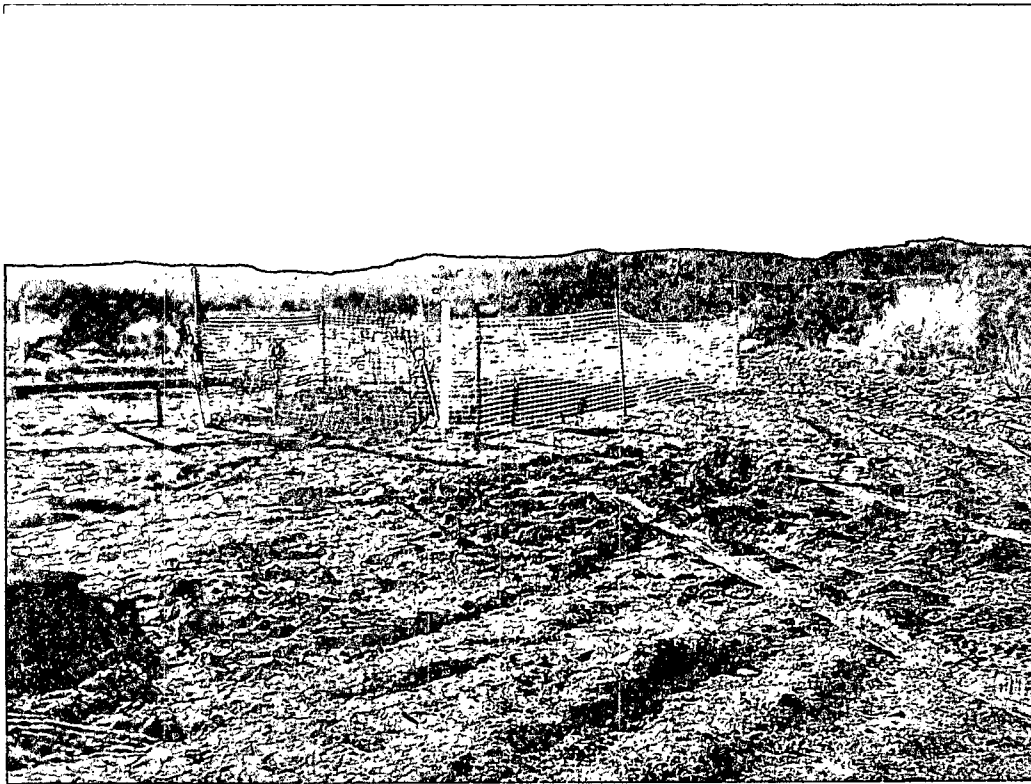


Photo 2: Temporary fencing placed around the excavation to prevent unauthorized entrance at end of day.

Site Photographs
Enterprise Products Gartner LS #6M Pipeline Release

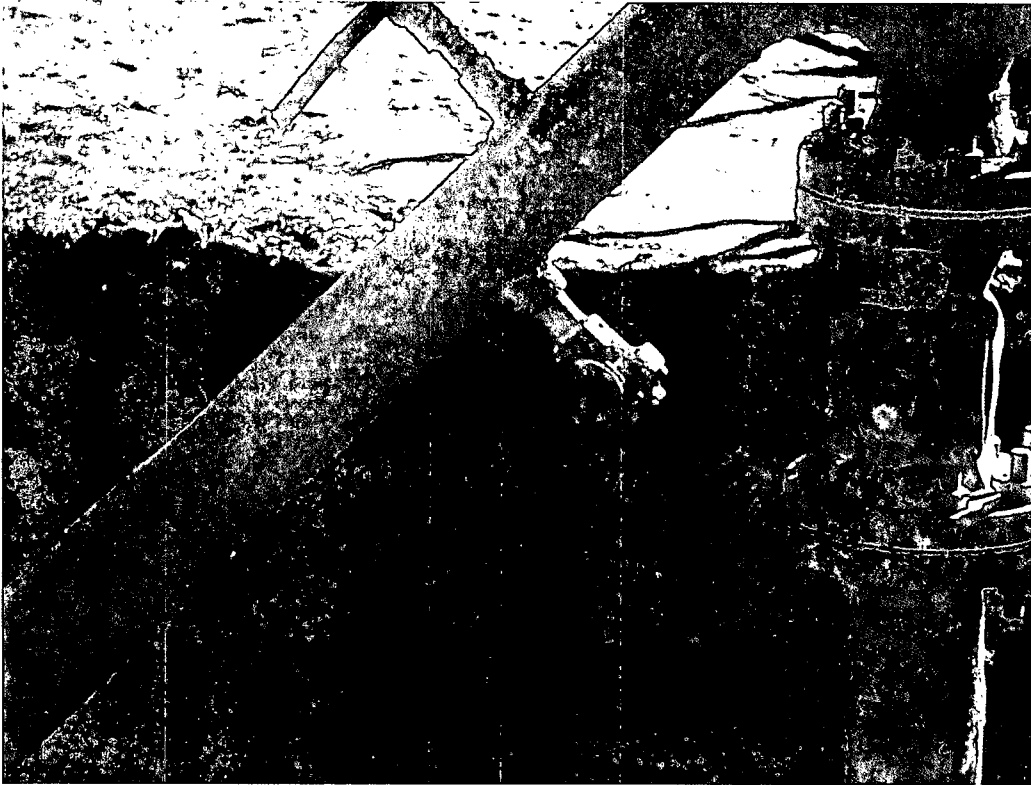


Photo 3: The location of the faulty 1" coupon valve (center) that was replaced during repairs.

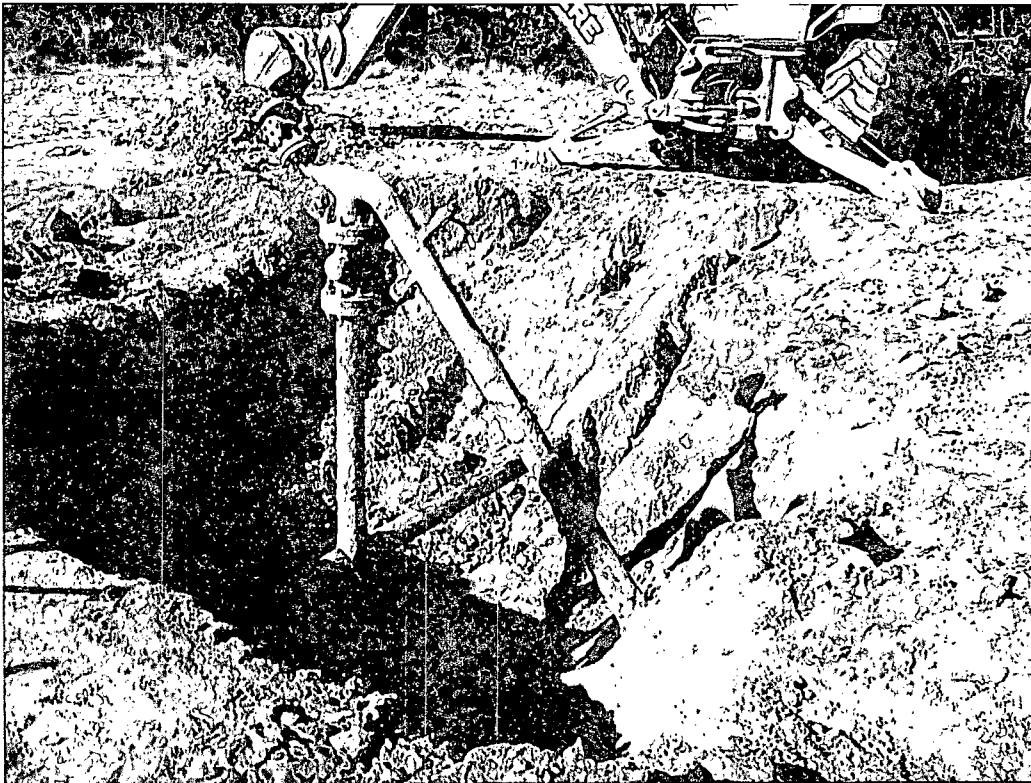


Photo 4: The extent of the excavation prior to backfilling activities.

APPENDIX C
SOIL DISPOSAL DOCUMENTATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401		W/O #498961
2. Originating Site: Gartner LS #6M Well Site		
3. Location of Material (Street Address, City, State or ULSTR): Unit J Sec 27 T 30 N R 8 W, San Juan County, NM; 36.780385, -107.660152		1-6-13 20cy 1-3-14 10cy 12-31-13 56bbls 10cy bbls
4. Source and Description of Waste: Source: Coupon Valve on a Dogleg Description: Natural Gas Liquids (Condensate and Water) released from a Coupon Valve on a Dogleg Estimated Volume <u>20</u> yd ³ bbls Known Volume (to be entered by the operator at the end of the haul) <u>10</u> yd ³ bbls		
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS		
I, Thomas Long <i>Thomas Long</i> , representative or authorized agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste having characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous (check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Thomas Long <i>Thomas Long</i> , representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification. I, <i>[Signature]</i> , representative for <u>IEL Inc.</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.		
5. Transporter: To Be Determined		

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: #49 CR 2150 Aztec, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ **APPROVED**

☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: *L. Magallon*
SIGNATURE: *[Signature]*
Surface Waste Management Facility Authorized Agent

TITLE: Land Farm Administrator DATE: 12-31-13
TELEPHONE NO.: 505-632-1782

CC-212
Ph-9

APPENDIX D
LABORATORY ANALYTICAL REPORTS



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

January 14, 2014

Steve Moskal

Souder, Miller and Associates

2101 San Juan Boulevard

Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: Gartner LS #6M

OrderNo.: 1401159

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/7/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1401159

Date Reported: 1/14/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-31 (W. Wall @7')**Project:** Gartner LS #6M**Collection Date:** 1/6/2014 12:18:00 PM**Lab ID:** 1401159-001**Matrix:** SOIL**Received Date:** 1/7/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/10/2014 4:42:50 PM	11128
Surr: DNOP	97.0	66-131		%REC	1	1/10/2014 4:42:50 PM	11128
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2014 12:55:38 PM	11111
Surr: BFB	103	74.5-129		%REC	1	1/9/2014 12:55:38 PM	11111
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	1/9/2014 12:55:38 PM	11111
Toluene	ND	0.048		mg/Kg	1	1/9/2014 12:55:38 PM	11111
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2014 12:55:38 PM	11111
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2014 12:55:38 PM	11111
Surr: 4-Bromofluorobenzene	113	80-120		%REC	1	1/9/2014 12:55:38 PM	11111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1401159

Date Reported: 1/14/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-32 (E. Wall @7')

Project: Gartner LS #6M

Collection Date: 1/6/2014 12:19:00 PM

Lab ID: 1401159-002

Matrix: SOIL

Received Date: 1/7/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/10/2014 5:48:55 PM	11128
Surr: DNOP	112	66-131		%REC	1	1/10/2014 5:48:55 PM	11128
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2014 2:21:29 PM	11111
Surr: BFB	102	74.5-129		%REC	1	1/9/2014 2:21:29 PM	11111
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/9/2014 2:21:29 PM	11111
Toluene	ND	0.047		mg/Kg	1	1/9/2014 2:21:29 PM	11111
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2014 2:21:29 PM	11111
Xylenes, Total	ND	0.095		mg/Kg	1	1/9/2014 2:21:29 PM	11111
Surr: 4-Bromofluorobenzene	116	80-120		%REC	1	1/9/2014 2:21:29 PM	11111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1401159

Date Reported: 1/14/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-33 (Base @7')**Project:** Gartner LS #6M**Collection Date:** 1/6/2014 12:20:00 PM**Lab ID:** 1401159-003**Matrix:** SOIL**Received Date:** 1/7/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/10/2014 6:11:06 PM	11128
Surr: DNOP	115	66-131		%REC	1	1/10/2014 6:11:06 PM	11128
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2014 3:47:12 PM	11111
Surr: BFB	102	74.5-129		%REC	1	1/9/2014 3:47:12 PM	11111
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/9/2014 3:47:12 PM	11111
Toluene	ND	0.049		mg/Kg	1	1/9/2014 3:47:12 PM	11111
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2014 3:47:12 PM	11111
Xylenes, Total	ND	0.099		mg/Kg	1	1/9/2014 3:47:12 PM	11111
Surr: 4-Bromofluorobenzene	117	80-120		%REC	1	1/9/2014 3:47:12 PM	11111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1401159

Date Reported: 1/14/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-34 (S. Wall @7')

Project: Gartner LS #6M

Collection Date: 1/6/2014 12:21:00 PM

Lab ID: 1401159-004

Matrix: SOIL

Received Date: 1/7/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/10/2014 6:33:31 PM	11128
Surr: DNOP	108	66-131		%REC	1	1/10/2014 6:33:31 PM	11128
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2014 4:15:47 PM	11111
Surr: BFB	109	74.5-129		%REC	1	1/9/2014 4:15:47 PM	11111
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	1/9/2014 4:15:47 PM	11111
Toluene	ND	0.048		mg/Kg	1	1/9/2014 4:15:47 PM	11111
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2014 4:15:47 PM	11111
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2014 4:15:47 PM	11111
Surr: 4-Bromofluorobenzene	116	80-120		%REC	1	1/9/2014 4:15:47 PM	11111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1401159

Date Reported: 1/14/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-35 (N. Wall @7')

Project: Gartner LS #6M

Collection Date: 1/6/2014 12:22:00 PM

Lab ID: 1401159-005

Matrix: SOIL

Received Date: 1/7/2014 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/10/2014 6:55:40 PM	11128
Surr: DNOP	99.5	66-131		%REC	1	1/10/2014 6:55:40 PM	11128
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2014 4:44:23 PM	11111
Surr: BFB	103	74.5-129		%REC	1	1/9/2014 4:44:23 PM	11111
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/9/2014 4:44:23 PM	11111
Toluene	ND	0.047		mg/Kg	1	1/9/2014 4:44:23 PM	11111
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2014 4:44:23 PM	11111
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2014 4:44:23 PM	11111
Surr: 4-Bromofluorobenzene	115	80-120		%REC	1	1/9/2014 4:44:23 PM	11111

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401159

14-Jan-14

Client: Souder, Miller and Associates

Project: Gartner LS #6M

Sample ID	LCS-11128		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 11128		RunNo: 16001					
Prep Date:	1/8/2014		Analysis Date: 1/10/2014		SeqNo: 461418		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	60.8	145			
Surr: DNOP	5.7		5.000		113	66	131			

Sample ID	LCS-11148		SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 11148		RunNo: 16001					
Prep Date:	1/9/2014		Analysis Date: 1/10/2014		SeqNo: 461419		Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.5		5.000		110	66	131			

Sample ID	MB-11128	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11128	RunNo:	16001					
Prep Date:	1/8/2014	Analysis Date:	1/10/2014	SeqNo:	461420	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	8.9		10.00		89.2	66	131			

Sample ID	MB-11148	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11148	RunNo:	16001					
Prep Date:	1/9/2014	Analysis Date:	1/10/2014	SeqNo:	461421	Units: %REC				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	66	131			

Sample ID	1401159-001AMS		SampType: MS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-31 (W. Wall @7')		Batch ID: 11128		RunNo: 16001					
Prep Date:	1/8/2014		Analysis Date: 1/10/2014		SeqNo: 461453		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.10	8.267	103	47.4	148			
Surr: DNOP	6.0		5.010		120	66	131			

Sample ID	1401159-001AMSD		SampType: MSD		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-31 (W. Wall @7')		Batch ID: 11128		RunNo: 16001					
Prep Date:	1/8/2014		Analysis Date: 1/10/2014		SeqNo: 461455		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	9.9	49.70	8.267	99.8	47.4	148	3.51	22.7	
Surr: DNOP	6.1		4.970		123	66	131	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401159

14-Jan-14

Client: Souder, Miller and Associates

Project: Gartner LS #6M

Sample ID	MB-11111	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	11111	RunNo:	16003					
Prep Date:	1/7/2014	Analysis Date:	1/9/2014	SeqNo:	461005	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	1000		1000		101	74.5	129			

Sample ID	LCS-11111	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	11111	RunNo:	16003					
Prep Date:	1/7/2014	Analysis Date:	1/9/2014	SeqNo:	461006	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	30	5.0	25.00	0	121	74.5	126			
Surr: BFB	1100		1000		110	74.5	129			

Sample ID	1401159-002AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-32 (E. Wall @7')	Batch ID:	11111	RunNo:	16003					
Prep Date:	1/7/2014	Analysis Date:	1/9/2014	SeqNo:	461009	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	30	4.7	23.58	0	126	69.5	145			
Surr: BFB	1100		943.4		113	74.5	129			

Sample ID	1401159-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-32 (E. Wall @7')	Batch ID:	11111	RunNo:	16003					
Prep Date:	1/7/2014	Analysis Date:	1/9/2014	SeqNo:	461010	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	29	4.7	23.58	0	122	69.5	145	3.77	20	
Surr: BFB	1100		943.4		113	74.5	129	0	0	

Sample ID	MB-11111 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R16003	RunNo:	16003					
Prep Date:		Analysis Date:	1/9/2014	SeqNo:	461014	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB	1000		1000		101	74.5	129			
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Sample ID	LCS-11111 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R16003	RunNo:	16003					
Prep Date:		Analysis Date:	1/9/2014	SeqNo:	461015	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: BFB	1100		1000		110	74.5	129			
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Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401159

14-Jan-14

Client: Souder, Miller and Associates

Project: Gartner LS #6M

Sample ID	MB-11111		SampType: MBLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS		Batch ID: 11111	RunNo: 16003						
Prep Date:	1/7/2014		Analysis Date: 1/9/2014	SeqNo: 461032		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	1.1		1.000		114	80	120			

Sample ID	LCS-11111		SampType: LCS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	LCSS		Batch ID: 11111	RunNo: 16003						
Prep Date:	1/7/2014		Analysis Date: 1/9/2014	SeqNo: 461033		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	80	120			
Toluene	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		119	80	120			

Sample ID	1401159-001AMS		SampType: MS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	SC-31 (W. Wall @7')		Batch ID: 11111	RunNo: 16003						
Prep Date:	1/7/2014		Analysis Date: 1/9/2014	SeqNo: 461035		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.049	0.9794	0	94.9	67.4	135			
Toluene	0.87	0.049	0.9794	0.008351	88.2	72.6	135			
Ethylbenzene	1.0	0.049	0.9794	0	102	69.4	143			
Xylenes, Total	3.0	0.098	2.938	0.02527	100	70.8	144			
Surr: 4-Bromofluorobenzene	1.2		0.9794		120	80	120			S

Sample ID	1401159-001AMSD		SampType: MSD	TestCode: EPA Method 8021B: Volatiles						
Client ID:	SC-31 (W. Wall @7')		Batch ID: 11111	RunNo: 16003						
Prep Date:	1/7/2014		Analysis Date: 1/9/2014	SeqNo: 461036		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.049	0.9814	0	95.3	67.4	135	0.570	20	
Toluene	0.88	0.049	0.9814	0.008351	88.8	72.6	135	0.879	20	
Ethylbenzene	1.0	0.049	0.9814	0	102	69.4	143	0.344	20	
Xylenes, Total	3.0	0.098	2.944	0.02527	100	70.8	144	0.132	20	
Surr: 4-Bromofluorobenzene	1.2		0.9814		120	80	120	0	0	S

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



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

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1401159

RcptNo: 1

Received by/date:

AG 01/07/14

Logged By: Michelle Garcia

1/7/2014 10:15:00 AM

Michelle Garcia

Completed By: Michelle Garcia

1/7/2014 10:56:24 AM

Michelle Garcia

Reviewed By:

IO 01/07/13

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? FedEx

Log In

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

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

eMail

Phone

Fax

In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Chain-of-Custody Record

Client: Souder Miller & Associates

Mailing Address: 2101 San Juan Blvd
Farmington NM 87401

Phone #: 505 325 7535

email or Fax#: steve.moskal@soudermiller.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ Standard ☐ Rush

Project Name:

5122104 BG 22

Project #:

Gartner LS #com

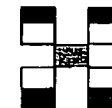
Project Manager:

Steve Moskal

Sampler: Steve Moskal

On Ice: ☒ Yes ☐ No

Sample Temperature: 8



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	HEAL No.	BTEX	MTBE	TFM	8024	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	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 Bubbles (Y or N)
11/6/14	1218	soil	SC-31 (w. wall @ 1')	4oz X 1	Cool	-001	X				X	X									
	1219		SC-32 (E wall @ 1')			-002	X				X	X									
	1220		SC-33 (Base @ 1')			-003	X				X	X									
	1221		SC-34 (S wall @ 1')			-004	X				X	X									
	1222		SC-35 (N wall @ 1')			-005	X				X	X									

Date: 11/6/14 Time: 1500 Relinquished by: Steve Moskal

Received by: Shawn Chuback Date: 01/07/14 Time: 1015

Date: 11/6/14 Time: 1500 Relinquished by: Steve Moskal

Received by: Shawn Chuback Date: 01/07/14 Time: 1015

Remarks: Please bill directly to SMA and copy shawn.chuback@soudermiller.com

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Maxie Federal #J1 Well Tie	Facility Type: Natural Gas Gathering Line

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

LOCATION OF RELEASE

Unit Letter D	Section 24	Township 29N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.714864 Longitude -107.044925

NATURE OF RELEASE

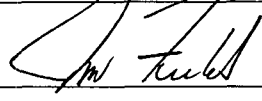
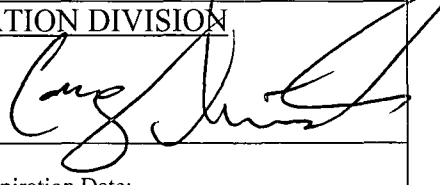
Type of Release: potable water, natural gas liquids	Volume of Release: To Be Determined	Volume Recovered: To Be Determined
Source of Release: Rupture of the pipeline during hydrostatic testing	Date and Hour of Occurrence: 2/11/2014 @ 4:00 p.m.	Date and Hour of Discovery: 2/11/2014 @ 4:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NRC CASE # 1073660, NMOCD – Jonathan Kelly, BLM – Sherrie Langdon	
By Whom? Thomas Long	Date and Hour 2/11/2014 @ ~ 1:30 p.m. RCVD FEB 28 14	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.* Approximately 65 to 100 barrels of potable water ran down the dry wash approximately 1000 feet

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Maxey Federal #J1 well tie during hydrostatic testing. An estimated 65 to 100 barrels of potable water used during the hydrostatic testing was release into a wash. An area of approximately 1000 feet of wash was affected. The line was blown down, taken out of service and LOTO (lock out tag out) was applied. The repairs/remediation activities began the week of February 17, 2014.

Describe Area Affected and Cleanup Action Taken.* An area of approximately 1000 feet of wash was affected. Repair and Remediation activities were completed began the week of February 17, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 4/28/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-21-2014 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

#NCS 141183 6 125

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral 2A-3	Facility Type: Natural Gas Gathering Line
Surface Owner: BLM	Mineral Owner: BLM
API No.	

LOCATION OF RELEASE

Unit Letter B	Section 13	Township 25N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.40413 Longitude -107.52189

NATURE OF RELEASE

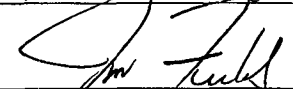
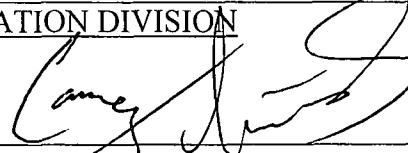
Type of Release: Natural Gas and Natural Gas Liquids	Volume of Release: To Be Determined	Volume Recovered: To Be Determined
Source of Release: Equipment Damage	Date and Hour of Occurrence: 2/10/2014 @ 4:00 p.m.	Date and Hour of Discovery: 2/10/2014 @ 4:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour RCVD FEB 28 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Lateral 2A-3, Natural Gas Gathering Line. The line was blown down, taken out of service and LOTO (lock out tag out) was applied. An area of approximately 8 feet by 4 feet was impacted by a condensate/water mix.

Describe Area Affected and Cleanup Action Taken.* An area of approximately 8 feet by 4 feet was impacted by a condensate/water mix. Repair and Remediation activities were completed during the week of February 17, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>4/28/14</u>	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2-21-2014</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

Incident # NCS 141183 8781

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lateral 2C-55	Facility Type: Natural Gas Gathering Line	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter O	Section 19	Township 25N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.381886 Longitude -107.612565

NATURE OF RELEASE

Type of Release: Natural Gas and Natural Gas Liquids (Produced Water)	Volume of Release: 65.13 MCF	Volume Recovered: To Be Determined
Source of Release: Internal Corrosion	Date and Hour of Occurrence: 2/12/2014 @ 6:30 p.m.	Date and Hour of Discovery: 2/12/2014 @ 6:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly - NMOCD, Shari Ketchum - BLM	
By Whom? Thomas Long	Date and Hour 2/14/2014 @ 12:30 p.m.	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Produced water and natural gas liquids were released and entered a small ephemeral wash. The liquids appeared to flow approximately 45 feet down the wash.	

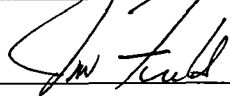
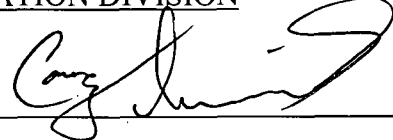
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Lateral 2C-55 Natural Gas Gathering Line. The line was, taken out of service and LOTO (lock out tag out) was applied. An area of approximately 10 feet by 45 feet was impacted by produced water.

RCVD MAR 3 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.* Produced water and natural gas liquids were released from the pipeline, flowing across the dirt road and entered a small ephemeral wash. The liquids appeared to flow approximately 40 feet down the wash. Repairs and Remediation work began the week of February 17, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 4/28/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2-25-2014 Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

Incident # NCS 141 183 3436

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Trunk 10A	Facility Type: Natural Gas Gathering Line	
Surface Owner: NAPI/Navajo Nation	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter SE/SW	Section 27	Township 26N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.455283 Longitude -108.101775

NATURE OF RELEASE

Type of Release: Natural Gas and Natural gas liquids	Volume of Release: Unknown	Volume Recovered: To Be Determined
Source of Release: Internal Corrosion of the Pipeline	Date and Hour of Occurrence: 2/19/2014 @ 12:30 p.m.	Date and Hour of Discovery: 2/19/2014 @ 12:30 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD - Jonathan Kelly, NNEPA - Steve Austin, Greg Yazzie and Mike Freeman - NAPI	
By Whom? Thomas Long	Date and Hour 2/19/2014 @ ~1: 30 p.m. by phone call	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

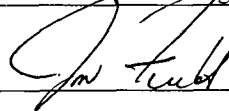
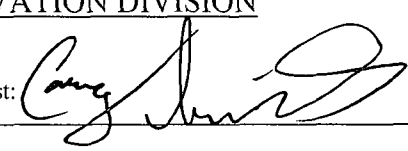
If a Watercourse was Impacted, Describe Fully.

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Trunk 10A. It is anticipated that the release was a result of internal corrosion. An area of approximately 12 feet by 25 feet wash affected. The line was blown down, taken out of service and LOTO (lock out tag out) was applied. The repairs/remediation activities began on February 26, 2014.

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.* Repair and Remediation activities began on February 26, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Director, Environmental	Approval Date: <u>4/24/14</u>	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>3-4-14</u> Phone: (713) 381-6684		

* Attach Additional Sheets If Necessary

Incident # NCS 141145 3775

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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
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State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Howell M#1A Well Site	Facility Type: Well Site Meter Run/Meter Tube	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter N	Section 31	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.7623 Longitude -107.7178

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids	Volume of Release: 62 MCF	Volume Recovered: Unknown
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence: 12/13/2013 @ 10:00 a.m.	Date and Hour of Discovery: 12/13/2013 @ 10:00 a.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell NMOCD	
By Whom? Thomas Long	Date and Hour 12/16/2013 7:16 a.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

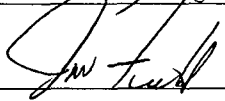
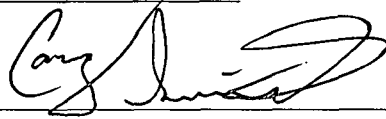
Describe Cause of Problem and Remedial Action Taken.* A production company lease operator discovered gas leaking from a meter tube flange. The lease operator closed the upstream and downstream valves to stop the leak. The leak was due to a failed orifice flange gasket. LOTO was applied. An area of approximately 1,288 square feet was impacted.

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.*

An area of approximately 1,288 square feet was impacted. Remediation activities were completed on December 18, 2013. Approximately 120 cubic yards of impacted soil were disposed of at a NMOCD approved land farm facility. A third party environmental contractor corrective action report is included in this "final" c-141.

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by Environmental Specialist: 	
Title: Director, Environmental		Approval Date: <u>4/24/2014</u>	Expiration Date:
E-mail Address: jefields@eprod.com		Conditions of Approval:	
Date: <u>3-4-2014</u>	Phone: (713) 381-6684	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Incident # ~~1433850624~~
NCS 1433850624

215



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

February 6, 2014

Thomas Long
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

Via electronic mail with delivery confirmation receipt to:
tjlong@eprod.com

**RE: Release Assessment Report
Howell M #1A December 2013 Meter Run Release
SE¼ SW¼, Section 31, T30N, R8W
San Juan County, New Mexico**

**RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3**

Dear Mr. Long:

On December 18, 2013, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of approximately 62,000 cubic feet (Mcf) of natural gas and an estimated volume of less than five barrels (bbls) pipeline liquids from the Enterprise Field Services, LLC (Enterprise) Howell M #1A meter run (Meter ID #89789). The release was discovered on December 13, 2013, and resulted from a failed orifice flange gasket.

1.0 Site Information

1.1 Location

Location – SE¼ SW¼, Section 31, T30N, R8W, San Juan County, New Mexico

Latitude/Longitude – N36.76245 and W107.71817, respectively

Surface Owner – Bureau of Land Management

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the assessment. The release was given a ranking score of 0 based on the following factors:

- **Depth to Groundwater:** Depth to groundwater is greater than 100 feet below ground surface (bgs) based on a cathodic well report dated May 1991. (0 points)

- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** The release is located approximately 1,275 feet to the southeast of an unnamed ephemeral wash draining to the San Juan River. (0 points)

The ranking score of 0 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 5,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

1.3 Assessment and Mitigation

On December 18, 2013, Enterprise contractors completed an excavation of petroleum hydrocarbon impacted soils in the release area around the meter house at the location. AES provided field screening for excavation guidance and prior to backfilling the excavation, collected a total of four confirmation soil samples for field screening and laboratory analysis from the walls and base of the final excavation. Historical contamination was observed in the base of the north portion of the final excavation. The final excavation measured approximately 46 feet by 28 feet by 1.5 to 3.5 feet deep and terminated on sandstone and shale. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Envirotech Landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The Envirotech Bills of Lading and a photograph log are included in the Appendix.

2.0 Soil Sampling

A total of four composite soil samples (SC-1 through SC-3 and Historical Composite) were collected from the walls and the base of the final excavation during the assessment. Composite samples SC-1 through SC-3 were field screened for volatile organic compounds (VOCs), and all four composite samples were submitted for laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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.

2.2 Laboratory Analyses

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 were laboratory analyzed for:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- TPH (GRO/DRO) per USEPA Method 8015D.

2.3 Field Screening and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 120 ppm in SC-2 to 193 ppm in SC-1. Results are included in Table 1 and on Figure 3.

Table 1. Soil Field Screening VOC Results
Howell M #1A Meter Run Release Assessment, December 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>
NMOCD Action Level*			100
SC-1	12/18/13	2 to 2.5	193
SC-2	12/18/13	1 to 1.5	120
SC-3	12/18/13	1 to 3.5	152
Historical Composite	12/18/13	3.5	NA

NA – not analyzed

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

Laboratory analytical results showed that benzene concentrations were below laboratory detection limits for all samples collected. Total BTEX concentrations ranged from below laboratory detection limits in SC-1 and SC-2 up to 16 mg/kg in the Historical Composite. TPH concentrations ranged from below the laboratory detection limit in SC-1 and SC-2 up to 880 mg/kg in the Historical Composite. Laboratory analytical results are included in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
Howell M #1A Meter Run Release Assessment, December 2013

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
NMOCD Action Level*			10	50	5,000	
SC-1	12/18/13	2 to 2.5	<0.046	<0.23	<4.6	<10
SC-2	12/18/13	1 to 1.5	<0.048	<0.24	<4.8	<10
SC-3	12/18/13	1 to 3.5	<0.047	0.41	<4.7	25
Historical Composite	12/18/13	3.5	<0.23	16	350	530

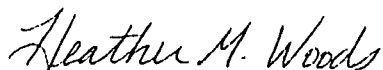
*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

3.0 Conclusions and Recommendations

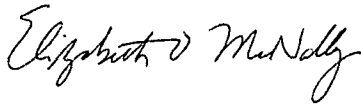
Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 0. Field screening of SC-1 through SC-3 showed VOC concentrations above the NMOCD action level of 100 ppm, with the highest VOC reading recorded in SC-1 (192 ppm). However, laboratory analytical results reported benzene, total BTEX, and TPH below the applicable NMOCD action levels in all the samples (SC-1 through SC-3 and the Historical Composite). Based on field screening and laboratory results of the final excavation extents for petroleum contaminated soils (associated with the release), as well as historical contamination observed in the base of the northern portion of the excavation, benzene, total BTEX, and TPH concentrations are below the applicable NMOCD action levels. No further work is recommended for the Howell M #1A meter run release.

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

Sincerely,



Heather Woods, P.G.
Project Manager

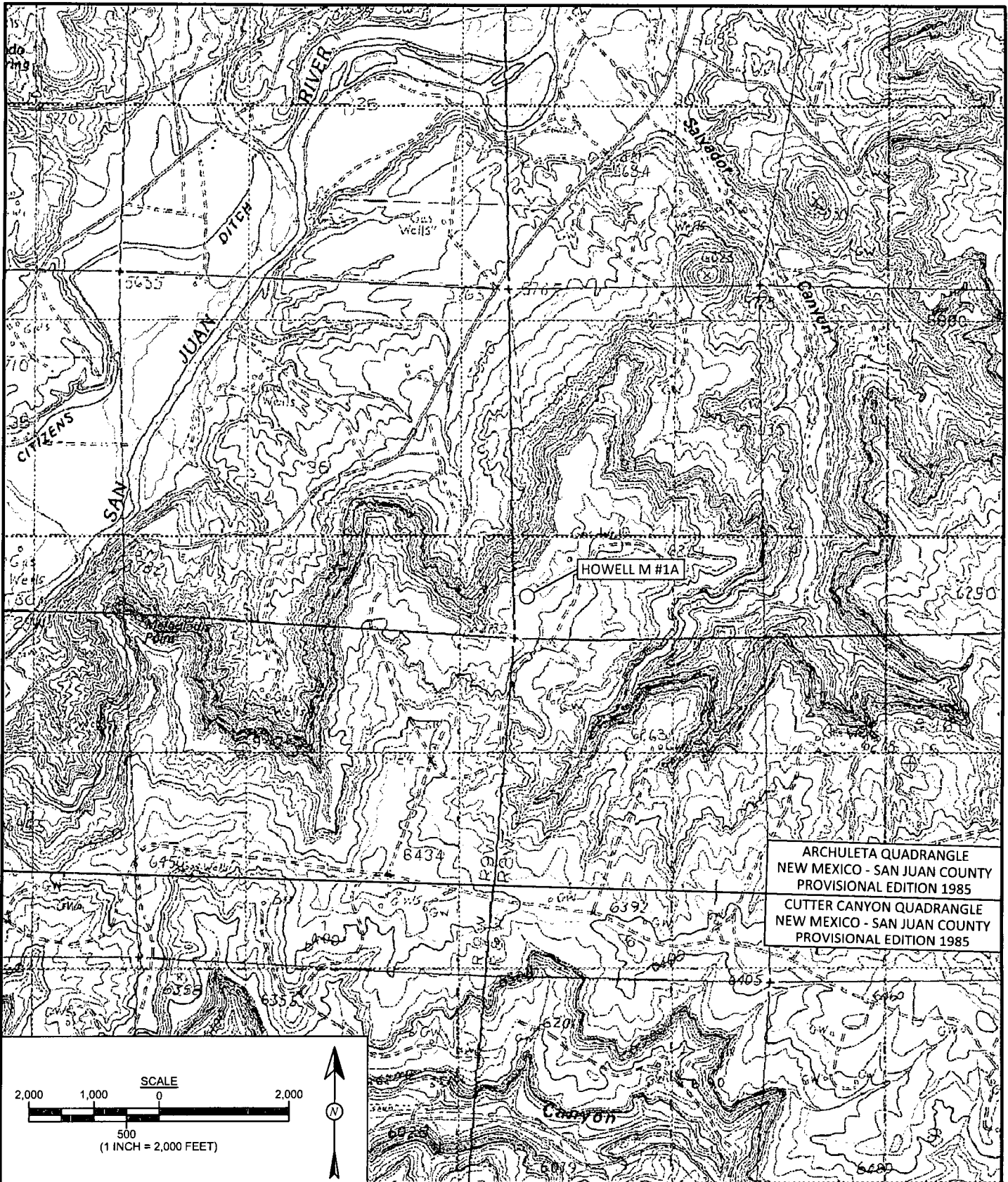


Elizabeth McNally, P.E.

Attachments:

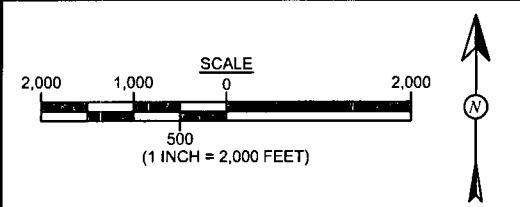
- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Final Excavation Sample Locations and Results, December 2013
- Bills of Lading (Envirotech 45444, 45445, 45457, and 45459)
- Photograph Log
- Laboratory Analytical Reports (Hall 1312A40)

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ARCHULETA QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
PROVISIONAL EDITION 1985

CUTTER CANYON QUADRANGLE
NEW MEXICO - SAN JUAN COUNTY
PROVISIONAL EDITION 1985



Animas Environmental Services, LLC

DRAWN BY: S. Glasses	DATE DRAWN: January 21, 2014
REVISIONS BY: C. Lameman	DATE REVISED: January 21, 2014
CHECKED BY: H. Woods	DATE CHECKED: January 29, 2014
APPROVED BY: E. McNally	DATE APPROVED: January 29, 2014

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ENTERPRISE FIELD SERVICES, LLC
HOWELL M #1A DECEMBER 2013 RELEASE
SE¼ SW¼, SECTION 31, T30N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.76245, W107.71817

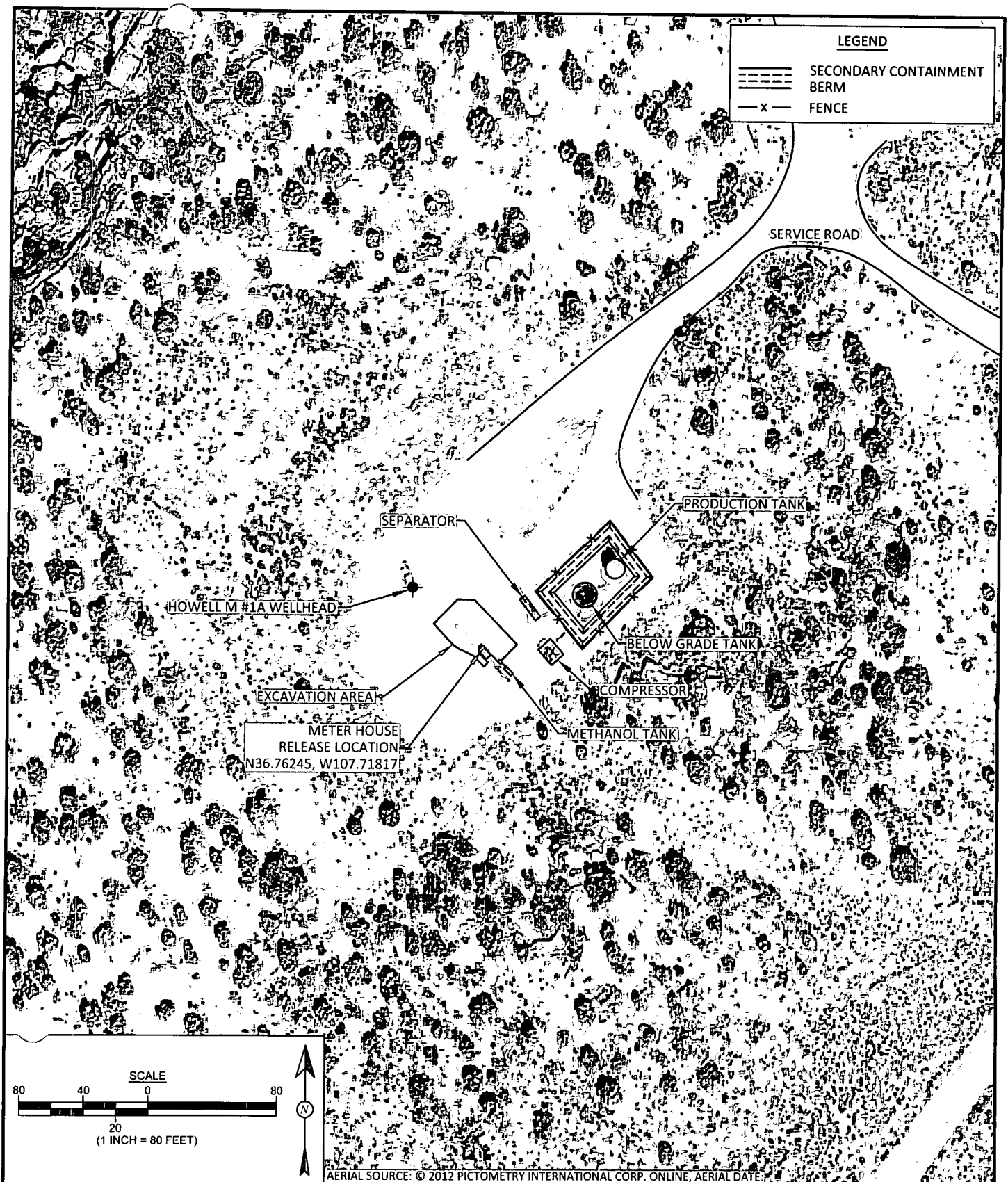


FIGURE 2

**AERIAL SITE MAP
DECEMBER 2013**

ENTERPRISE FIELD SERVICES, LLC
HOWELL M #1A DECEMBER 2013 RELEASE
SE¼ SW¼, SECTION 31, T30N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.76245, W107.71817

AES



Animas Environmental Services, LLC

DRAWN BY:

C. Lameman

DATE DRAWN:

January 21, 2014

REVISIONS BY:

C. Lameman

DATE REVISED:

January 29, 2014

CHECKED BY:

H. Woods

DATE CHECKED:

January 29, 2014

APPROVED BY:

E. McNally

DATE APPROVED:

January 29, 2014

HOWELL M #1A WELLHEAD

EXCAVATION AREA
46 FT x 28 FT x 1.5 TO 3.5 DEEP

RELEASE LOCATION
N36.76245, W107.71817

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)
NMOCD ACTION LEVEL			100	10	50	5,000	
SC-1	12/18/13	2 to 2.5	193	<0.046	<0.23	<4.6	<10
SC-2	12/18/13	1 to 1.5	120	<0.048	<0.24	<4.8	<10
SC-3	12/18/13	1 to 3.5	152	<0.047	0.41	<4.7	25
HISTORICAL COMPOSITE	12/18/13	3.5	NA	<0.23	16	350	530
ALL SAMPLES ARE COMPOSITE SAMPLES. ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015D. NA- NOT ANALYZED							

HISTORICAL COMPOSITE

SC-3

SC-1

SC-2

METER HOUSE

SEPARATOR

COMPRESSOR

METHANOL TANK

FIGURE 3

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
DECEMBER 2013
ENTERPRISE FIELD SERVICES, LLC
HOWELL M #1A DECEMBER 2013 RELEASE
SE¼ SW¼, SECTION 31, T30N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.76245, W107.71817

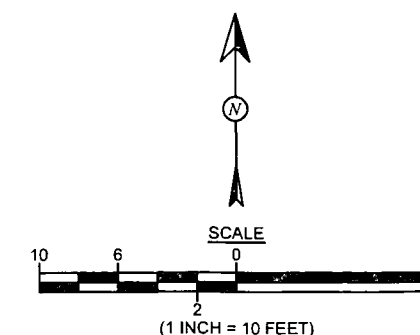


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: January 21, 2014
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APPROVED BY: E. McNally	DATE APPROVED: January 29, 2014

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x — FENCE





Bill of Lading

MANIFEST # 45444
DATE 12-18-13 JOB # 97057-0613

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Howell M#1A	LFII-5	Cont Soil	K-27	12	-	Doug Foutz	834	1108	Randy Foutz
2	"	"	"	K-27	12	-	"	"	835	1108 James Benally
3	"	"	"	K-27	12	-	"	"	834	1342 Randy Foutz
4	"	"	"	K-27	12	-	"	"	835	1350 Randy Foutz
5	"	"	"	K-27	12	-	"	"	835	15:55 Randy Foutz
6	"	"	"	K-27	12	-	"	"	835	16:05 Randy Foutz
					72					
RESULTS:			LANDFARM EMPLOYEE: Gary Robinson			NOTES:				
<287	CHLORIDE TEST	2	Certification of above receipt & placement			RDC				
	PAINT FILTER TEST	2								

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

TRANSPORTER CO. Doug Foutz NAME Randy Foutz SIGNATURE Randy Foutz
COMPANY CONTACT DFC PHONE 505 325-4922 DATE 12-18-13

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45457

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

DATE 12-19-13 JOB # 97057-0613

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	E-tech	Enterprise Howell M3A	clean Fill	—	10	—	Douse Foutz	835	8:40	[Signature]	
2	"	"	"	—	10	—	"	"	835	8:40	[Signature]
3	"	"	"	—	10	—	"	"	835	1051	[Signature]
4	"	"	"	—	10	—	"	"	935	1055	[Signature]
5	"	"	"	—	10	—	"	"	935	1310	[Signature]
6	"	"	"	—	10	—	"	"	835	1315	[Signature]
					60						
RESULTS:		LANDFARM EMPLOYEE:		NOTES:							
/	CHLORIDE TEST	/	[Signature] RD								
/	PAINT FILTER TEST	/	Certification of above receipt & placement								

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

TRANSPORTER CO. Doug Foutz Const NAME Tim Rodriguez SIGNATURE [Signature]
COMPANY CONTACT Randy Foutz PHONE 505 330 2560 DATE 12-19-13

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45459
DATE 12-19-13 JOB # 97057-0613

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Howell MIA	LFE-5	CON + SOIL	L-27	10	-	Doug Foutz	835	1051	<i>James Benally</i>
2	" "	" "	" "	L-27	10	-	Doug Foutz	935	1053	<i>James Benally</i>
3	" "	" "	" "	L-27	10	-	" "	1051	1310	<i>James Benally</i>
4	" "	" "	" "	L-27	10	-	" "	1055	1315	<i>James Benally</i>
					40			1		
RESULTS:			LANDFARM EMPLOYEE: <i>James Benally</i>			NOTES:				
<287	CHLORIDE TEST	2	Certification of above receipt & placement			<i>PDC</i>				
	PAINT FILTER TEST	2								

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

TRANSPORTER CO. Doug Foutz NAME James Benally SIGNATURE *James Benally*
COMPANY CONTACT _____ PHONE _____ DATE 12-19-13

Signatures required prior to distribution of the legal document.

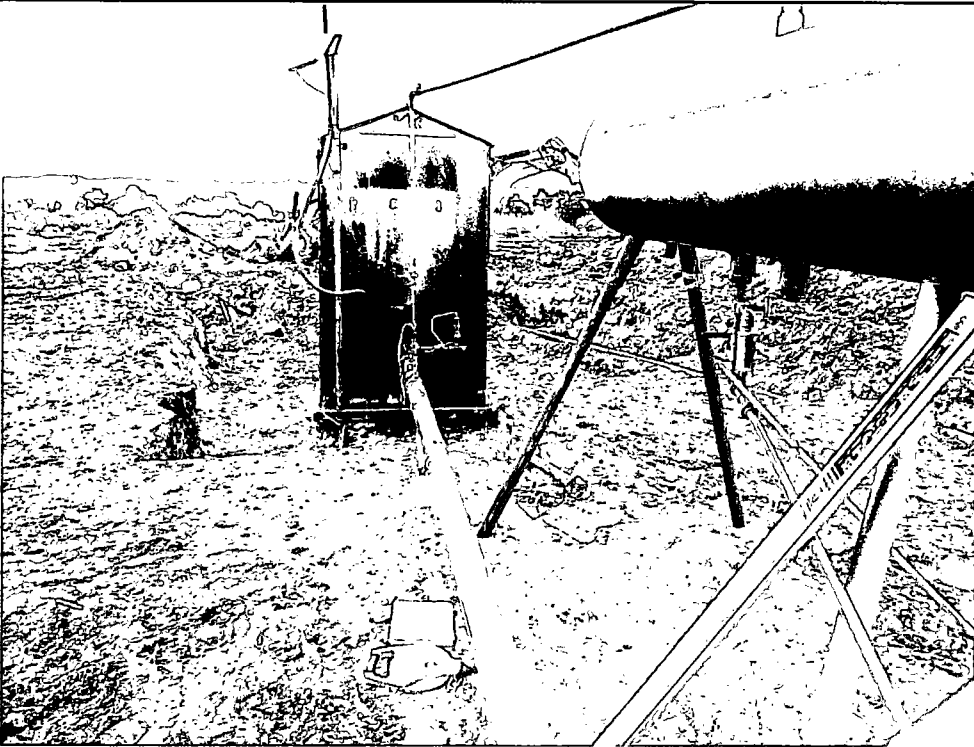
Photo #1	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking northwest.


Photo #2	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking northeast.

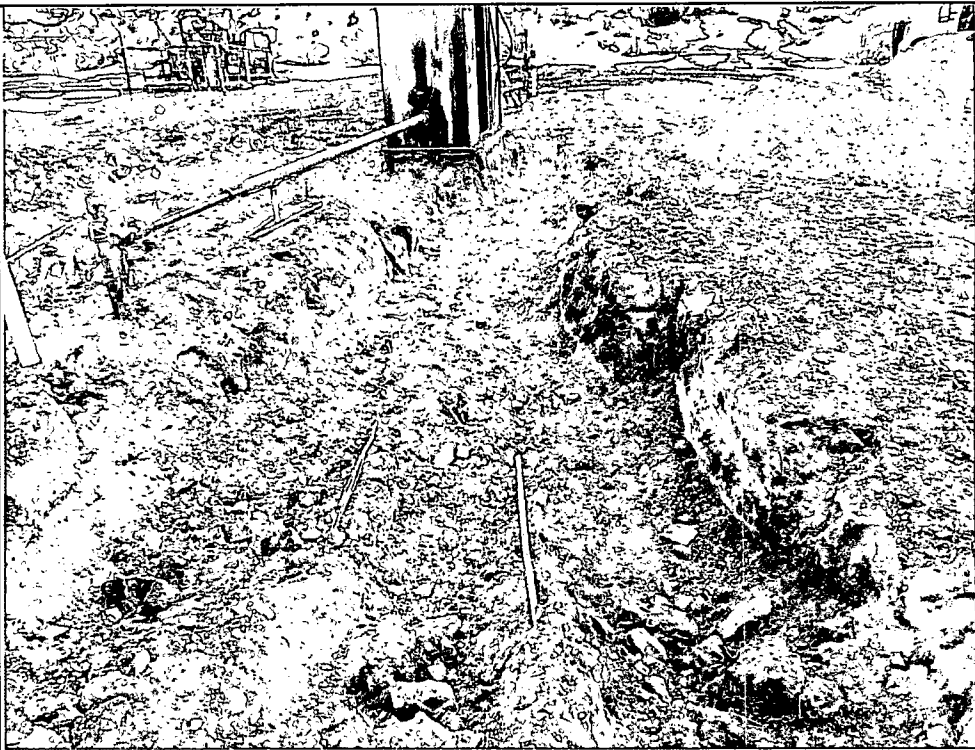
Photo #3	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking southeast.



Photo #4	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking southeast.

Photo #5	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	<p>Description:</p> <p>View of excavation area looking south. Historical contamination was observed in the base of this deeper area.</p>



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

January 03, 2014

Heather Woods

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 716-2787
FAX

RE: Enterprise Howell M #1A

OrderNo.: 1312A40

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/19/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman'.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1312A40**

Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SC-1**Project:** Enterprise Howell M #1A**Collection Date:** 12/18/2013 11:37:00 AM**Lab ID:** 1312A40-001**Matrix:** SOIL**Received Date:** 12/19/2013 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/24/2013 8:13:13 PM	10940
Surr: DNOP	100	66-131		%REC	1	12/24/2013 8:13:13 PM	10940
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/24/2013 4:01:07 PM	10957
Surr: BFB	87.0	74.5-129		%REC	1	12/24/2013 4:01:07 PM	10957
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	12/24/2013 4:01:07 PM	10957
Toluene	ND	0.046		mg/Kg	1	12/24/2013 4:01:07 PM	10957
Ethylbenzene	ND	0.046		mg/Kg	1	12/24/2013 4:01:07 PM	10957
Xylenes, Total	ND	0.092		mg/Kg	1	12/24/2013 4:01:07 PM	10957
Surr: 4-Bromofluorobenzene	93.4	80-120		%REC	1	12/24/2013 4:01:07 PM	10957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: Enterprise Howell M #1A

Collection Date: 12/18/2013 2:56:00 PM

Lab ID: 1312A40-002

Matrix: SOIL

Received Date: 12/19/2013 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/24/2013 8:35:14 PM	10940
Surr: DNOP	98.3	66-131		%REC	1	12/24/2013 8:35:14 PM	10940
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2013 4:29:42 PM	10957
Surr: BFB	86.5	74.5-129		%REC	1	12/24/2013 4:29:42 PM	10957
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	12/24/2013 4:29:42 PM	10957
Toluene	ND	0.048		mg/Kg	1	12/24/2013 4:29:42 PM	10957
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2013 4:29:42 PM	10957
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2013 4:29:42 PM	10957
Surr: 4-Bromofluorobenzene	94.9	80-120		%REC	1	12/24/2013 4:29:42 PM	10957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1312A40

Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SC-3**Project:** Enterprise Howell M #1A**Collection Date:** 12/18/2013 3:55:00 PM**Lab ID:** 1312A40-003**Matrix:** SOIL**Received Date:** 12/19/2013 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	25	10		mg/Kg	1	12/24/2013 8:57:07 PM	10940
Surr: DNOP	94.5	66-131		%REC	1	12/24/2013 8:57:07 PM	10940
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2013 4:58:25 PM	10957
Surr: BFB	88.9	74.5-129		%REC	1	12/24/2013 4:58:25 PM	10957
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	12/24/2013 4:58:25 PM	10957
Toluene	0.12	0.047		mg/Kg	1	12/24/2013 4:58:25 PM	10957
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2013 4:58:25 PM	10957
Xylenes, Total	0.29	0.094		mg/Kg	1	12/24/2013 4:58:25 PM	10957
Surr: 4-Bromofluorobenzene	94.8	80-120		%REC	1	12/24/2013 4:58:25 PM	10957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312A40

Date Reported: 1/3/2014

CLIENT: Animas Environmental Services

Client Sample ID: Historical Composite

Project: Enterprise Howell M #1A

Collection Date: 12/18/2013 4:00:00 PM

Lab ID: 1312A40-004

Matrix: SOIL

Received Date: 12/19/2013 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	530	10		mg/Kg	1	12/24/2013 9:19:05 PM	10940
Surr: DNOP	102	66-131		%REC	1	12/24/2013 9:19:05 PM	10940
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	350	46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Surr: BFB	226	74.5-129	S	%REC	10	12/24/2013 5:55:41 PM	10957
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.23		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Toluene	ND	0.46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Ethylbenzene	ND	0.46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Xylenes, Total	16	0.93		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Surr: 4-Bromofluorobenzene	103	80-120		%REC	10	12/24/2013 5:55:41 PM	10957

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A40

03-Jan-14

Client: Animas Environmental Services

Project: Enterprise Howell M #1A

Sample ID	MB-10939	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10939	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452732	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	66	131			

Sample ID	MB-10940	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10940	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452733	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	66	131			

Sample ID	LCS-10939	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10939	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452735	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.3		5.000		126	66	131			

Sample ID	LCS-10940	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10940	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452736	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	70	10	50.00	0	140	60.8	145			
Surr: DNOP	6.5		5.000		131	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A40

03-Jan-14

Client: Animas Environmental Services

Project: Enterprise Howell M #1A

Sample ID	MB-10957	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453870	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	880		1000		87.7	74.5	129			

Sample ID	LCS-10957	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453871	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	109	74.5	126			
Surr: BFB	960		1000		95.6	74.5	129			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A40

03-Jan-14

Client: Animas Environmental Services

Project: Enterprise Howell M #1A

Sample ID	MB-10957	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453911	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Sample ID	LCS-10957	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453912	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	108	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1312A40

RcptNo: 1

Received by/date:	<i>[Signature]</i>	12/19/13
Logged By:	Lindsay Mangin	12/19/2013 9:45:00 AM
Completed By:	Lindsay Mangin	12/21/2013 9:16:10 AM
Reviewed By:	<i>[Signature]</i>	12/23/13

Chain of Custody

- Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
- Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
- Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
- Sample(s) in proper container(s)? Yes ☒ No ☐
- Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
- Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
- Was preservative added to bottles? Yes ☐ No ☒ NA ☐
- VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
- Were any sample containers received broken? Yes ☐ No ☒
- Does paperwork match bottle labels? Yes ☒ No ☐
- (Note discrepancies on chain of custody)
- Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
- Is it clear what analyses were requested? Yes ☒ No ☐
- Were all holding times able to be met? Yes ☒ No ☐
- (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

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

- Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Lateral 10A-5	Facility Type: Natural Gas Gathering Line
Surface Owner: NAPI/Navajo Nation	Mineral Owner: BLM
API No.	

LOCATION OF RELEASE

Unit Letter M	Section 34	Township 26N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.438323 Longitude -108.103399

NATURE OF RELEASE

Type of Release: Natural Gas and Natural gas liquids	Volume of Release: Unknown	Volume Recovered: To Be Determined
Source of Release: Internal Corrosion of the Pipeline	Date and Hour of Occurrence: 2/19/2014:00 p.m.	Date and Hour of Discovery: 2/19/2014 @ 4:00 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD - Jonathan Kelly, NNEPA - Steve Austin, Greg Yazzie and Mike Freeman - NAPI	
By Whom? Thomas Long	Date and Hour 2/20/2014 @ ~10:00 a.m. by phone call	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

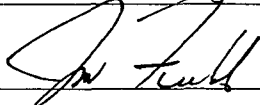
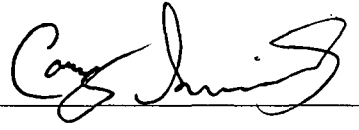
If a Watercourse was Impacted, Describe Fully.

Describe Cause of Problem and Remedial Action Taken.* A release was discovered on the Trunk 10A-5 while lowering. External corrosion was found and a pin hole was identified. The line was blown down, taken out of service and LOTO (lock out tag out) was applied. The repairs/remediation activities began February 28, 2014.

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.* Repair and Remediation activities began on February 28, 2014. A "final" c-141 will be submitted upon receipt of the third party environmental contractor corrective action report.

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by Environmental Specialist: 	
Title: Director, Environmental		Approval Date: <u>4/24/14</u>	Expiration Date:
E-mail Address: jefields@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>3-4-2014</u> Phone: (713) 381-6684			

* Attach Additional Sheets If Necessary

Incident # NCS 141145 3495

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

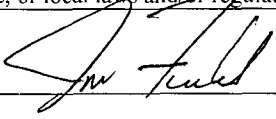
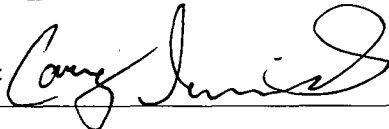
Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Atlantic C#1A Well Site	Facility Type: Well Site/Meter Tube	
Surface Owner: Private	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter C	Section 35	Township 31N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.86006 Longitude -107.855785

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids/ produced water	Volume of Release: 89 MCF	Volume Recovered: Unknown
Source of Release: Orifice Flange on a Meter Tube	Date and Hour of Occurrence: 1/8/2014 @ 4:30 p.m.	Date and Hour of Discovery: 1/8/2014 @ 4:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Thomas Long	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A release from an orifice flange on a meter tube at the Atlantic C#1A well site. An area of approximately 1,500 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured. <div style="text-align: right;">RCVD MAR 7 '14 OIL CONS. DIV. DIST. 3</div>		
Describe Area Affected and Cleanup Action Taken.* A release from an orifice flange on a meter tube at the Atlantic C#1A well site. An area of approximately 1,500 square feet was affected. Third party environmental contractor oversaw remediation activities and collected closure samples on 1-16-14. Approximately twenty-four (24) cubic yards of impacted soil was transported to a NMOCD land farm facility. A third party environmental corrective action report is included with this "final" c-141.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Director, Environmental	Approval Date: 4/24/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3-4-2014	Phone: (713) 381-6684	

* Attach Additional Sheets If Necessary

Incident # NCS 1411455301

37

Enterprise Products
Atlantic C #1A Meter Run Release
Latitude North 36.860060, Longitude West -107.855785
Unit C Section 35 T31N R10W
San Juan County, New Mexico
February 11, 2014

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3



Submitted To:

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

Submitted By:

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



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Figure 2: Site Location Map

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Table 2: Site Ranking

Table 3: Summary of Field Screening Results

Table 4: Summary of Laboratory Analysis

Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation

Appendix D: Laboratory Analytical Reports

1.0 Executive Summary

On January 16, 2014, Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the Atlantic C #1A meter run release. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION				
Name	Atlantic C #1A Meter Run Release			
Location	Latitude/Longitude		Section, Township, Range	
	36.860060°	-107.855785°	(NE ¼ /NW ¼) Unit C Section 35	T 31N, R 10W
Date Reported	January 9, 2014			
	Thomas Long			
Land Owner	Private			
Reported To	New Mexico Oil Conservation Division (NMOCD)			
Diameter of Pipeline	3 inches			
Source of Release	Faulty flange connection/Freezing			
Release Contents	Natural Gas/Condensate			
Release Volume: Natural Gas	Unknown			
Release Volume: Liquids/Condensate	89 MCF of Gas, Unknown amount of Condnsate			
Nearest Waterway	Tributary of Hart Canyon Wash			
Depth to Groundwater	Less than 50 feet			
Nearest Domestic Water Source	Greater than 200 feet			
NMOCD Ranking	40			
SMA Response Dates	1/16/2014			
Subcontractors	Energy Maintenance Services (EMS)			
Disposal Facility	Industrial Ecosystems Incorporated (IEI)			
Yd ³ Contaminated Soil Excavated and Disposed	24			

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the 3-inch meter run release. The release was due to the meter run freezing which resulted in a faulty flange. It was reported that approximately 89 thousand cubic feet (MCF) was released during the release. The amount of condensate liquids released are unknown. The release was reported January 9, 2014 and was located in (NE/NW) Unit C, Section 35, Township 31 North, Range 10 West, 36.860060°, -107.855785°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

3.0 Site Ranking and Land Jurisdiction

The release site is located less than 450 feet south of an unnamed wash that is an unnamed tributary to the Hart Canyon Wash on privately owned land with an elevation of approximately 6,350 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, twenty-one wells were located within a 1-mile radius of the site, but there is no anticipated impact to these wells.

The physical location of this release is within the jurisdiction of NMOCD. This release location has been assigned a NMOCD ranking of 30 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On January 16, 2014, SMA mobilized to the release site to oversee excavation activities and to delineate the release area through field screening using a calibrated photoionization detector (PID). Concurrently, Energy Maintenance Services (EMS) fixed the faulty flange connection. During the excavation, soil samples were collected for field screening to determine the extent of the release. Under the supervision and direction of SMA, EMS excavated and transported the hydrocarbon impacted soil. Tables 3 summarize the field screening results. Field notes for these events are included in Appendix A.

The final excavation covered approximately 1,500 square feet, measuring approximately 75 feet long by 20 feet wide. The majority of the excavation reached a depth of approximately 0.5 feet bgs. One section within the total area, measured approximately 10 feet long by 20 feet wide, was excavated to a depth of approximately 2.5 bgs. Field screening of the excavated material determined that the soils removed were not suitable for use as backfill material. Approximately 24 cubic yards of impacted soil was transported to Industrial Ecosystems Inc. Landfarm, on Crouch Mesa near Bloomfield, New Mexico for disposal. A certificate of waste is included in Appendix C.

All laboratory soil samples were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation and laboratory results.

5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 30: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH. Laboratory analysis detected DRO in samples SC-1 (12ppm), SC-5 (10ppm) and the base excavation sample (10ppm). All of the laboratory results reported below the NMOCD Guideline standards based on the site ranking. Laboratory analysis of the excavation detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines for all other samples. The impacted soil was hauled off site for disposal. Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

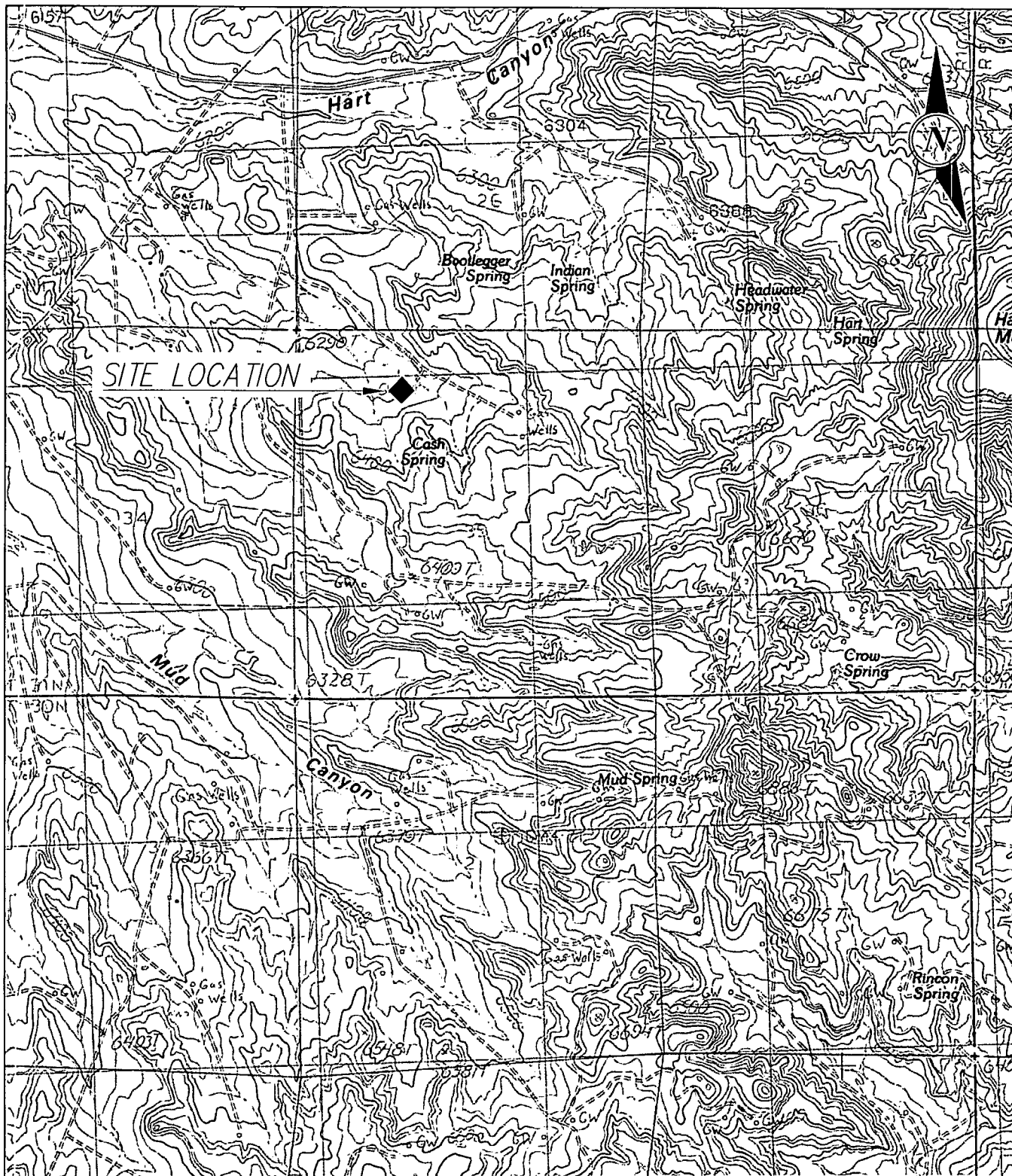
SOUDER, MILLER & ASSOCIATES



Steve Moskal
Project Scientist



Reid S. Allan, PG
Principal Scientist



SCALE



SOUDER, MILLER & ASSOCIATES
401 W BROADWAY AVENUE
FARMINGTON, NM 87401-5907

Phone (505) 325-7535 Toll-Free (800) 516-0098 Fax (505) 325-0045
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ENTERPRISE

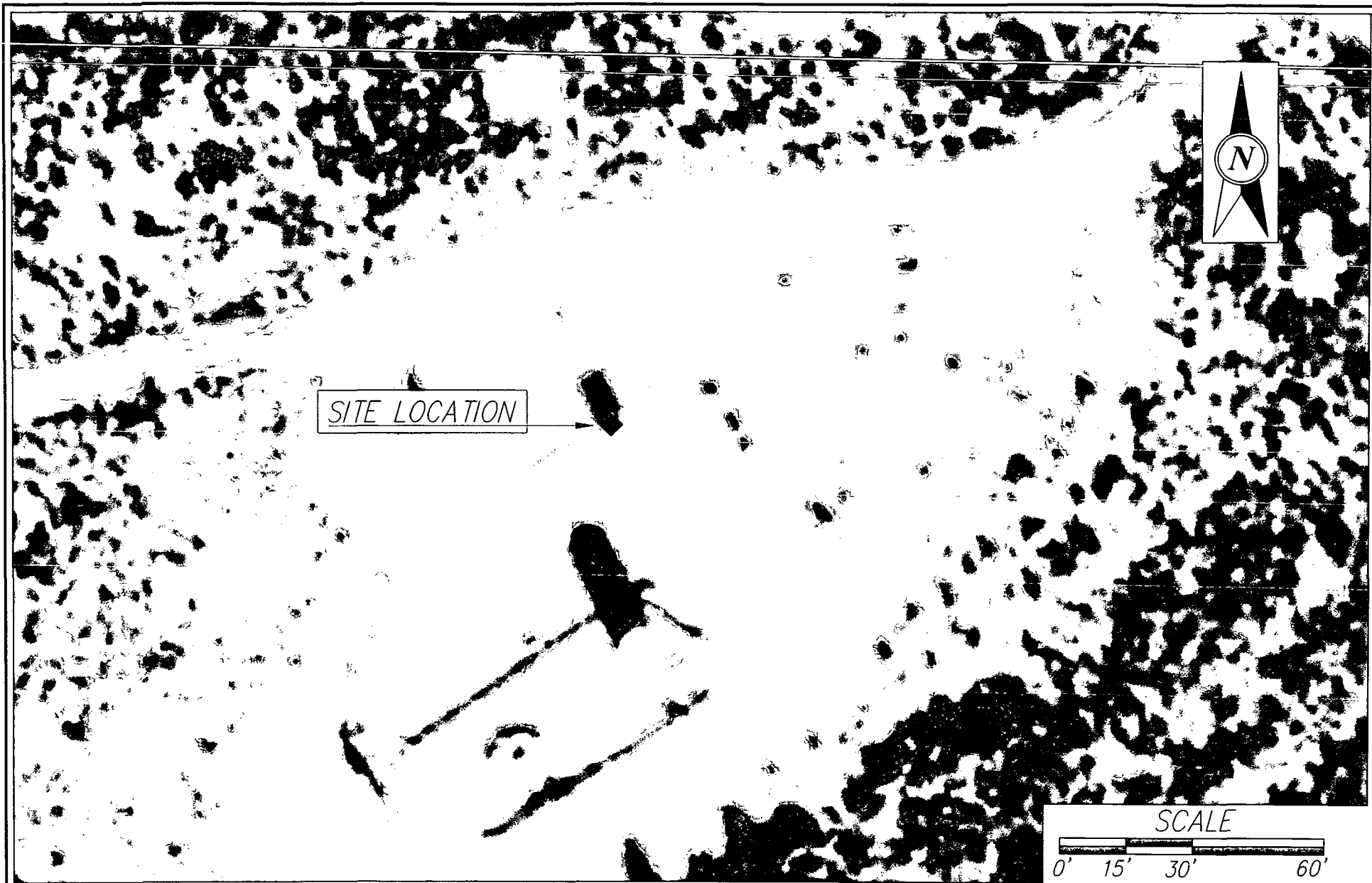
FARMINGTON, NEW MEXICO

VICINITY MAP
Atlantic C #1A

SECTION 35, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

Designed	Drawn	Checked
SM	DJB	RSA
Date: 2/5/2014		
Scale: Horiz: 1"=2000'		
Vert: N/A		
Project No: 5122855		
Sheet: 1		



SOUDER, MILLER & ASSOCIATES
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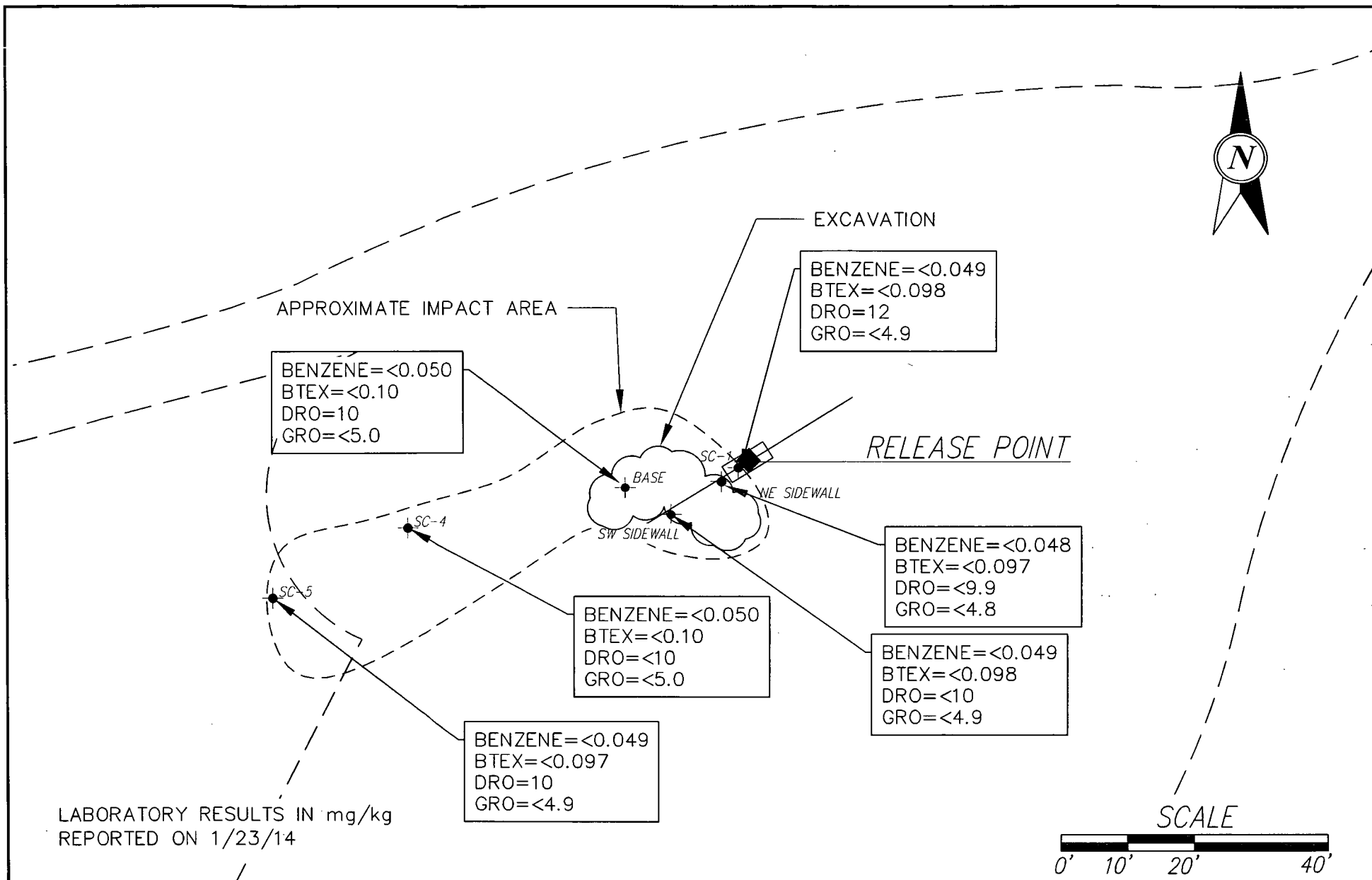
ENTERPRISE

FARMINGTON, NEW MEXICO

SITE LOCATION MAP
Atlantic C #1A
SECTION 35, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
Date: 2/5/2014		
Scale: Horiz: 1"=30'		
Vert: N/A		
Project No: 5122855		
Sheet: 2		



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FARMINGTON, NEW MEXICO

Designed SM	Drawn DJB	Checked RSA
----------------	--------------	----------------

Date: 2/5/2014

Scale: Horiz: 1"=20'
Vert: N/A

Project No: 5122855

Sheet: 3

SITE LOCATION MAP
Atlantic C #1A
SECTION 35, T31N, R10W

SAN JUAN COUNTY, NEW MEXICO

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Verified using Google earth and Topo maps; Field verified.	Groundwater is assumed to be less than 50 feet below the ground surface.
50' to 99' = 10			
>100' = 0			
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20	10	Verified using Google Earth and Topo maps; Field verified.	Release is located approximately 450 feet south of an unnamed tributary of Hart Canyon 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		New Mexico State Engineer's Office online water well data base	No recorded water wells located with 1,000 feet. Twenty-one wells within a 1 mile radius.
	0		
Total Site Ranking	30		
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



FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field screening Reference	Sample Depth (Feet BGS)	PID Reading	Lab Sample Collected Y/N
1/16/2014	12:00	SC-1 (In meter house @ RP)	2.00	1.1	Y
1/16/2014	12:28	SC-2 (N. of meter house 10')	1.00	11.2	N
1/16/2014	12:13	SC-3 (W. of SC-2, 25')	0.75	6.5	N
1/16/2014	12:15	SC-4 (W. of SC-2, 50')	0.50	1.7	Y
1/16/2014	12:27	SC-5 (W. of SC-2, 75')	0.00	1.0	Y
1/16/2014	12:30	SC-1 (In meter house @ RP)	0.50	5.5	N
1/16/2014	12:31	SC-6 (SW of Meter House)	0.75	537.4	N
1/16/2014	12:32	SC-7 (SW of Meter House)	0.50	0.8	N
1/16/2014	13:05	SC-6 (SW of Meter House)	1.00	1174.0	N
1/16/2013	13:20	SC-8 S.W. meter house	1.00	842.6	N
1/16/2014	13:22	SC-8 S.W. meter house	2.00	73.7	N
1/16/2014	13:48	SC-6 (SW of Meter House)	2.00	52.3	N
1/16/2014	14:05	SW sidewall excavation	2.00	659.2	N
1/16/2014	14:06	NE sidewall excavation	2.00	24.9	Y
1/16/2014	14:07	Base excavation	2.00	35.9	Y
1/16/2014	14:30	SW sidewall excavation	2.00	6.3	Y



LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD Guidelines		NMOCD Site Ranking: 30		100 ppm		10 ppm	50 ppm
1/16/2014	12:00	SC-1 (In meter house @ RP)	2.0	<4.9	12	<0.049	<0.098
1/16/2014	12:15	SC-4 (W. of SC-2, 50')	0.5	<5.0	<10	<0.050	<0.10
1/16/2014	12:16	SC-5 (W of SC-2, 75')	0.0	<4.9	10	<0.049	<0.097
1/16/2014	2:07	Base excavation	2.0	<5.0	10	<0.050	<0.10
1/16/2014	2:06	NE Sidewall excavation	2.0	<4.8	<9.9	<0.048	<0.097
1/16/2014	2:30	SW Sidewall excavation	2.0	<4.9	<10	<0.049	<0.098



APPENDIX A
FIELD NOTES

SUBJECT Atlantic C #1A

PROJECT

PAGE

CLIENT EPCO

DATE

1/16/14

BY

SDM

CHECKED

BY

- on site @ 11:50, complete SMA tailgate safety
- EMS begun excavation (completed pot-holing of pipelines)
- Collect field screen samples
- Instruct EMS to deepen excavation around SW/SE corners of meter-house (2,300)

SUBJECT Atlantic C #2A

PROJECT

PAGE

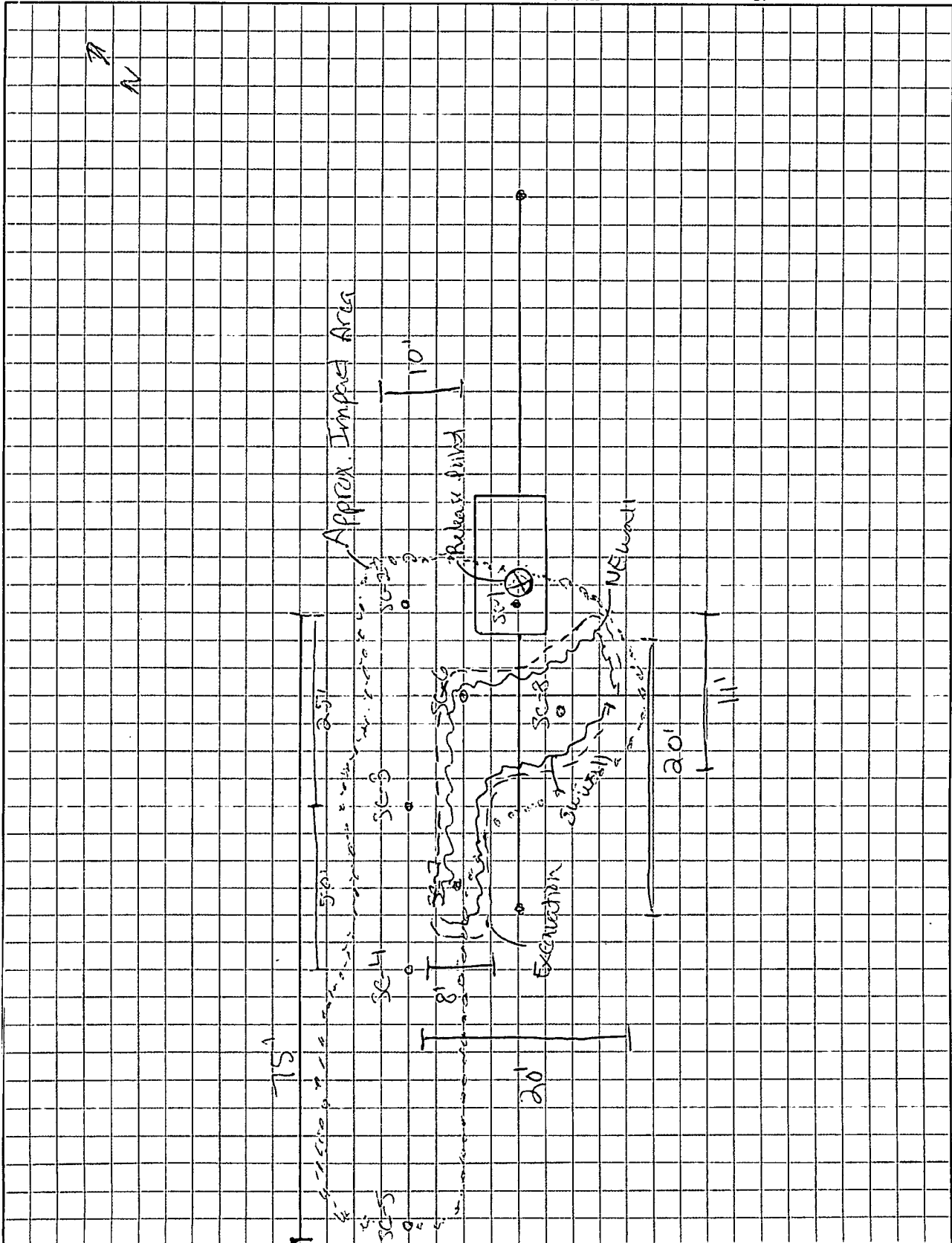
CLIENT EPCO

DATE 1/16/14

BY SJM

CHECKED

BY



Field Screening

Location Name					Date	
Atlantic E#1A					1/16/14	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)	
✓ ★ SC-1	In meter house DRP	2.0	1200	1224	1.1	
★ SC-2	N. of meter house 10'	1.0 0.5	1210	1228	11.2	
★ SC-3	W. of SC-2 25'	0.75	1213	1225	6.5	
✓ ★ SC-4	W. of SC-2 50'	0.5	1215	1226	1.7	
✓ ★ SC-5	W. of SC-2 75'	Surface	1216	1227	1.0	
SC-1	In meter house DRP	0.5'	1230	1244	5.5	
SC-6	12' W. meter house 5' outside meter house	0.75	1231	1245	537.4	
SC-7	32' W. meter house 5' outside meter house	0.5'	1232	1246	0.8	
SC-8	See above	1.0'	1305	1316	1174	
SC-8	Sur meter house	1.0	1320	1334	842.6	
★ SC-8	see above	2.0	1322	1335	73.7	
★ SC-6	see above	2.0	1348	1358	52.3	
SW sidewalk	excavation	2.0	1405	1411	659.2	
✓ ★ NE sidewalk	"	2.0	1406	1411	24.9	
✓ ★ Base	"	2.0	1407	1412	35.9	
✓ ★ SW wall	"	2.0	1430	1440	6.3	

Release Information

Name	Alondil C#1A		
Location	Latitude/Longitude		
	36° 51.6' -107° 51.3'		
	Section, Township, Range		
	Sec 35, T31N, R10W		
Reported To	Tom Long	1/9/14	
Area Supervisor	Duwayne Dixon		
Diameter of Pipeline	3" meter Run		
Source of Release	Flange on meter Run		
Release Contents	Natural Gas / Condensate		
Release Volume	Unknown		
Subcontractor	EMS		
Disposal Facility	IEI		
Yd ³ Contam. Soil			
PO/WO/AFE			

Notes:

APPENDIX B
SITE PHOTOGRAPHY

Site Photographs
Enterprise Products Atlantic C #1A Meter Run Release



Photo 1: Photo taken while contractor was removing surface impacts north of meter skid, facing west.



Photo 2: View of the release point after soil was excavated beneath the meter run release.

Site Photographs
Enterprise Products Atlantic C #1A Meter Run Release



Photo 3: Excavation contractor removing soil at depth from the southwest corner of the meter house.



Photo 4: View of the total depth of the Atlantic C #1A Meter Run excavation, facing southwest.

Site Photographs
Enterprise Products Atlantic C #1A Meter Run Release



Photo 5: View of the Atlantic C #1A Meter Run excavation, facing east.

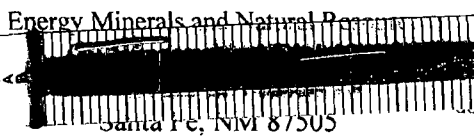


Photo 6: View of the Atlantic C #1A Meter Run backfill activities with imported soils.

APPENDIX C
SOIL DISPOSAL DOCUMENTATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
30 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico



Form C-138
Revised 08/01/11

Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401

2. Originating Site:
Atlantic C#1A Well Site

3. Location of Material (Street Address, City, State or ULSTR):
Unit C Sec 35 T 31 N R 10 W, San Juan County, NM; 36.86002, -107.8559

4. Source and Description of Waste:

Source: Orifice Flange Leak

Description: Natural Gas Liquids (Condensate and Water)

Estimated Volume 40 yd³/bbls Known Volume (to be entered by the operator at the end of the haul) 24 yd³/bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby

Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long, representative for Enterprise Products Operating authorize to complete

Generator Signature

the required testing/sign the Generator Waste Testing Certification.

I, [Signature], representative for IEI, Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter: To Be Determined

EMS

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: #49 CR 2150 Aztec, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: L. Machado

SIGNATURE: [Signature]

Surface Waste Management Facility Authorized Agent

TITLE: Land Farm Administrator

TELEPHONE NO.:

505-632-1782

DATE: 1-16-14

LC-2128
Ph. 8

1/15/14

APPENDIX D

LABORATORY ANALYTICAL REPORTS



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

January 23, 2014

Steve Moskal

Souder, Miller and Associates

401 W. Broadway

Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: Atlantic C #1A

OrderNo.: 1401721

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 6 sample(s) on 1/17/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-1@2.0'

Project: Atlantic C #1A

Collection Date: 1/16/2014 12:00:00 PM

Lab ID: 1401721-001

Matrix: SOIL

Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	12	10		mg/Kg	1	1/20/2014 3:25:17 PM	11283
Surr: DNOP	93.3	66-131		%REC	1	1/20/2014 3:25:17 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/20/2014 11:59:09 PM	11284
Surr: BFB	81.6	74.5-129		%REC	1	1/20/2014 11:59:09 PM	11284
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/20/2014 11:59:09 PM	11284
Toluene	ND	0.049		mg/Kg	1	1/20/2014 11:59:09 PM	11284
Ethylbenzene	ND	0.049		mg/Kg	1	1/20/2014 11:59:09 PM	11284
Xylenes, Total	ND	0.098		mg/Kg	1	1/20/2014 11:59:09 PM	11284
Surr: 4-Bromofluorobenzene	92.4	80-120		%REC	1	1/20/2014 11:59:09 PM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-4@0.5'**Project:** Atlantic C #1A**Collection Date:** 1/16/2014 12:15:00 PM**Lab ID:** 1401721-002**Matrix:** SOIL**Received Date:** 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/20/2014 7:32:09 PM	11283
Surr: DNOP	97.2	66-131		%REC	1	1/20/2014 7:32:09 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2014 12:29:21 AM	11284
Surr: BFB	81.5	74.5-129		%REC	1	1/21/2014 12:29:21 AM	11284
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	1/21/2014 12:29:21 AM	11284
Toluene	ND	0.050		mg/Kg	1	1/21/2014 12:29:21 AM	11284
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2014 12:29:21 AM	11284
Xylenes, Total	ND	0.10		mg/Kg	1	1/21/2014 12:29:21 AM	11284
Surr: 4-Bromofluorobenzene	91.1	80-120		%REC	1	1/21/2014 12:29:21 AM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-5@surface

Project: Atlantic C #1A

Collection Date: 1/16/2014 12:16:00 PM

Lab ID: 1401721-003

Matrix: SOIL

Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	10	10		mg/Kg	1	1/20/2014 8:02:33 PM	11283
Surr: DNOP	87.7	66-131		%REC	1	1/20/2014 8:02:33 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2014 12:59:30 AM	11284
Surr: BFB	92.6	74.5-129		%REC	1	1/21/2014 12:59:30 AM	11284
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/21/2014 12:59:30 AM	11284
Toluene	ND	0.049		mg/Kg	1	1/21/2014 12:59:30 AM	11284
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2014 12:59:30 AM	11284
Xylenes, Total	ND	0.097		mg/Kg	1	1/21/2014 12:59:30 AM	11284
Surr: 4-Bromofluorobenzene	96.3	80-120		%REC	1	1/21/2014 12:59:30 AM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** Base @2.0'**Project:** Atlantic C #1A**Collection Date:** 1/16/2014 2:07:00 PM**Lab ID:** 1401721-004**Matrix:** SOIL**Received Date:** 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	10	10		mg/Kg	1	1/20/2014 8:33:27 PM	11283
Surr: DNOP	97.9	66-131		%REC	1	1/20/2014 8:33:27 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JMP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/21/2014 4:58:45 PM	11284
Surr: BFB	88.4	74.5-129		%REC	1	1/21/2014 4:58:45 PM	11284
EPA METHOD 8021B: VOLATILES							Analyst: JMP
Benzene	ND	0.050		mg/Kg	1	1/21/2014 4:58:45 PM	11284
Toluene	ND	0.050		mg/Kg	1	1/21/2014 4:58:45 PM	11284
Ethylbenzene	ND	0.050		mg/Kg	1	1/21/2014 4:58:45 PM	11284
Xylenes, Total	ND	0.10		mg/Kg	1	1/21/2014 4:58:45 PM	11284
Surr: 4-Bromofluorobenzene	99.1	80-120		%REC	1	1/21/2014 4:58:45 PM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

CLIENT: Souder, Miller and Associates

Client Sample ID: NE Sidewall@2.0'

Project: Atlantic C #1A

Collection Date: 1/16/2014 2:06:00 PM

Lab ID: 1401721-005

Matrix: SOIL

Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/20/2014 9:03:51 PM	11283
Surr: DNOP	103	66-131		%REC	1	1/20/2014 9:03:51 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JMP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/21/2014 5:27:16 PM	11284
Surr: BFB	89.7	74.5-129		%REC	1	1/21/2014 5:27:16 PM	11284
EPA METHOD 8021B: VOLATILES							Analyst: JMP
Benzene	ND	0.048		mg/Kg	1	1/21/2014 5:27:16 PM	11284
Toluene	ND	0.048		mg/Kg	1	1/21/2014 5:27:16 PM	11284
Ethylbenzene	ND	0.048		mg/Kg	1	1/21/2014 5:27:16 PM	11284
Xylenes, Total	ND	0.097		mg/Kg	1	1/21/2014 5:27:16 PM	11284
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	1/21/2014 5:27:16 PM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report

Lab Order 1401721

Date Reported: 1/23/2014

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SW Sidewall@2.0'**Project:** Atlantic C #1A**Collection Date:** 1/16/2014 2:30:00 PM**Lab ID:** 1401721-006**Matrix:** SOIL**Received Date:** 1/17/2014 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/20/2014 9:34:21 PM	11283
Surr: DNOP	103	66-131		%REC	1	1/20/2014 9:34:21 PM	11283
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JMP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/21/2014 9:44:27 PM	11284
Surr: BFB	92.2	74.5-129		%REC	1	1/21/2014 9:44:27 PM	11284
EPA METHOD 8021B: VOLATILES							Analyst: JMP
Benzene	ND	0.049		mg/Kg	1	1/21/2014 9:44:27 PM	11284
Toluene	ND	0.049		mg/Kg	1	1/21/2014 9:44:27 PM	11284
Ethylbenzene	ND	0.049		mg/Kg	1	1/21/2014 9:44:27 PM	11284
Xylenes, Total	ND	0.098		mg/Kg	1	1/21/2014 9:44:27 PM	11284
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	1/21/2014 9:44:27 PM	11284

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401721

23-Jan-14

Client: Souder, Miller and Associates

Project: Atlantic C #1A

Sample ID	MB-11283	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11283	RunNo:	16170					
Prep Date:	1/17/2014	Analysis Date:	1/20/2014	SeqNo:	465944	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	10		10.00		99.9	66	131			

Sample ID	LCS-11283	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	11283	RunNo:	16170					
Prep Date:	1/17/2014	Analysis Date:	1/20/2014	SeqNo:	466029	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	60.8	145			
Surr: DNOP	5.0		5.000		99.6	66	131			

Sample ID	1401721-001AMS	SampType:	MS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-1@2.0'	Batch ID:	11283	RunNo:	16170					
Prep Date:	1/17/2014	Analysis Date:	1/20/2014	SeqNo:	466269	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.9	49.65	11.58	73.2	47.4	148			
Surr: DNOP	5.2		4.965		106	66	131			

Sample ID	1401721-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	SC-1@2.0'	Batch ID:	11283	RunNo:	16170					
Prep Date:	1/17/2014	Analysis Date:	1/20/2014	SeqNo:	466407	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.9	49.65	11.58	81.8	47.4	148	8.50	22.7	
Surr: DNOP	5.5		4.965		110	66	131	0	0	

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401721

23-Jan-14

Client: Souder, Miller and Associates

Project: Atlantic C #1A

Sample ID	MB-11284		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	11284		RunNo:	16184				
Prep Date:	1/17/2014		Analysis Date:	1/20/2014		SeqNo:	466363		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	820		1000		82.3	74.5	129				

Sample ID	LCS-11284		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 11284		RunNo: 16184					
Prep Date:	1/17/2014		Analysis Date: 1/20/2014		SeqNo: 466364		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.7	74.5	126			
Surr: BFB	800		1000		80.5	74.5	129			

Sample ID	MB-11304		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	11304		RunNo:	16199				
Prep Date:	1/20/2014		Analysis Date:	1/21/2014		SeqNo:	467111		Units: %REC		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	890		1000		88.5	74.5	129				

Sample ID	LCS-11304	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	11304	RunNo:	16199					
Prep Date:	1/20/2014	Analysis Date:	1/21/2014	SeqNo:	467112	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	920		1000		92.3	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401721

23-Jan-14

Client: Souder, Miller and Associates

Project: Atlantic C #1A

Sample ID	MB-11284		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	11284		RunNo:	16184			
Prep Date:	1/17/2014		Analysis Date:	1/20/2014		SeqNo:	466390		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	80	120			

Sample ID	LCS-11284		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	11284		RunNo:	16184			
Prep Date:	1/17/2014		Analysis Date:	1/20/2014		SeqNo:	466391		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	97.4	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.3	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	80	120			

Sample ID	MB-11304		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	11304		RunNo:	16199			
Prep Date:	1/20/2014		Analysis Date:	1/21/2014		SeqNo:	467136		Units: %REC	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	LCS-11304		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	11304		RunNo:	16199			
Prep Date:	1/20/2014		Analysis Date:	1/21/2014		SeqNo:	467137		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			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1401721

RcptNo: 1

Received by/date:

Logged By:

Lindsay Mangin

1/17/2014 10:00:00 AM

Completed By:

Lindsay Mangin

1/17/2014 10:51:31 AM

Reviewed By:

TO/mg

01/17/14

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

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

Chain-of-Custody Record

Client: Souder Miller & Associates

Mailing Address: 401 W. Broadway
Farmington, NM 87401

Phone #: 505 325 1535

email or Fax#: steven.moskel@soudermiller.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Atlantic C #1A

Project #:

Atlantic C #1A 5122855 BG#1

Project Manager:

Steve Moskel

Sampler: 11

☒ On ☐ Off ☐ Yes ☐ No

Sample Temperature: 10



**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	HEAL No.	BTEX + MTBE + TPH (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 Bubbles (Y or N)
11/6/14	1202	Soil	SC-1 @ 2.0'	802v1	cool	-001	X	X										
	1215		SC-4 @ 0.5'			-002	X	X										
	1216		SC-5 @ surface			-003	X	X										
11/6/14	1322		SC-8 @ 2.0'				X	X										
	1407		Bore @ 2.0'			-004	X	X										
	1416		NF sidewall @ 2.0'			-005	X	X										
✓	1430		3usidewall @ 2.0'	✓	✓	-006	X	X										

Date: 11/6/14 Time: 1540 Relinquished by: [Signature]

Date: 11/6/14 Time: 1546 Received by: [Signature]

Date: 11/6/14 Time: 1750 Relinquished by: [Signature]

Date: 11/6/14 Time: 1000 Received by: [Signature]

Remarks:

Please invoice direct to SMA and copy
shayna.chubbuck@soudermiller.com

Note: 8 oz Jars used due to 4 oz Jars being packed for move

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

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: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: EPNG COM D #5A	Facility Type: Well Site/Meter Tube

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

LOCATION OF RELEASE

Unit Letter D	Section 36	Township 30N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
-------------------------	----------------------	------------------------	--------------------	---------------	------------------	---------------	----------------	---------------------------

Latitude 36.77370 Longitude -107.63242

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids/ produced water	Volume of Release: 45 MCF	Volume Recovered: Unknown
Source of Release: Equipment Failure on a Meter Tube	Date and Hour of Occurrence: 1/2/2014 @ 3:10 p.m.	Date and Hour of Discovery: 1/2/2014 @ 3:10 p.m.
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly NMOCD, Brandon Powell NMOCD; Sherrie Landon BLM	
By Whom? Thomas Long	Date and Hour: 1/3/2014 @ 3:46 p.m.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

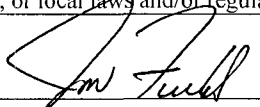
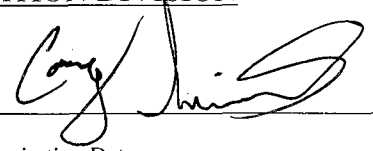
Describe Cause of Problem and Remedial Action Taken.* A release from meter tube due to equipment failure at the well site called the EPNG Com D#5A well site. An area of approximately 1,900 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured.

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Describe Area Affected and Cleanup Action Taken.*

A release from meter tube due to equipment failure at the well site called the EPNG Com D#5A. An area of approximately 1,900 square feet was affected. The well was isolated and LOTO (lock out tag out) was applied. The well site was secured. Third party environmental contractor oversaw remediation activities and collected closure samples on 1-10-14. A third party environmental contractor corrective action report is included with this final "final" c-141.

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

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Director, Environmental	Approval Date: <u>4/24/14</u>	Expiration Date:
E-mail Address: : jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>3-4-2014</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

Incident # NCS 1411450148



Animas Environmental Services, LLC

www.animasenvironmental.com

February 12, 2014

Thomas Long
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

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

Durango, Colorado
970-403-3084

Via electronic mail with delivery confirmation receipt to:
tjlong@eprod.com

**RE: Release Assessment Report
EPNG D Com #5A Meter Run Release
NW¼ NW¼, Section 36, T30N, R8W
San Juan County, New Mexico**

**RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3**

Dear Mr. Long:

On January 10, 2014, Animas Environmental Services, LLC (AES) completed an assessment associated with a non-reportable release of less than 50 Mcf natural gas and less than 5 barrels (bbls) of pipeline liquids from the Enterprise Field Services, LLC (Enterprise) EPNG D Com #5A meter run (Meter ID #89481). The release was discovered on January 2, 2014, and resulted from suspected material failure of a pipe fitting that separated at the threads.

1.0 Site Information

1.1 Location

Location - NW¼ NW¼, Section 36, T30N, R8W, San Juan County, New Mexico
Well Head Latitude/Longitude - N36.77377 and W107.63230, respectively
Release Location Latitude/Longitude - N36.77386 and W107.63203, respectively
Surface Owner – State of New Mexico
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The release was given a ranking score of 20 based on the following factors:

- **Depth to Groundwater:** Depth to groundwater is approximately 90 feet below ground surface (bgs) based on a cathodic well report dated May 1991. (10 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** The release is located approximately 500 feet to the northwest of the Navajo Indian Irrigation Project Main Canal and approximately 650 feet to the northeast of the wash in Gobernador Canyon. (10 points)

The ranking score of 20 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

1.3 Assessment and Mitigation

On January 10, 2014, Enterprise contractors completed an excavation of petroleum hydrocarbon impacted soils around the meter run. The release was reportedly caused by mechanical failure of a pipe fitting that failed along the threads. AES provided field screening for excavation guidance and prior to backfilling the excavation, collected a total of five confirmation soil samples for field screening and laboratory analysis from the walls and base of the final excavation. Historical contamination was observed in the base of the middle portion of the final excavation. The final excavation measured approximately 78 feet by 23 feet by 0.5 to 2.5 feet deep and terminated on sandstone. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Envirotech Landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The Envirotech Bills of Lading and a photograph log are included in the Appendix.

2.0 Soil Sampling

A total of five composite soil samples (SC-1 through SC-4 and Historical Composite) were collected from the walls and the base of the final excavation during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and were also submitted for laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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.

2.2 Laboratory Analyses

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 were laboratory analyzed for:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- TPH (GRO/DRO) per USEPA Method 8015D.

2.3 Field Screening and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 0.5 ppm in SC-2 to 120 ppm in the Historical Composite sample.

Table 1. Soil Field Screening VOC Results
EPNG D Com #5A Meter Run Release Assessment, January 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>
<i>NMOCD Action Level*</i>			100
SC-1	1/10/14	0.5 to 1.5	12.5
SC-2	1/10/14	0.5 to 1.5	0.5
SC-3	1/10/14	1.5 to 2.5	3.2
SC-4	1/10/14	0.5 to 1.5	76.2
Historical Composite	1/10/14	2.5	120

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

Laboratory analytical results showed that benzene concentrations were below laboratory detection limits for all samples. Total BTEX concentrations ranged from below laboratory detection limits SC-1, SC-2, and SC-4 up to 0.37 mg/kg in the Historical Composite sample. TPH concentrations ranged from below the laboratory detection limit in SC-2 and SC-4 up to 40 mg/kg in the Historical Composite sample. Laboratory

analytical results are included in Table 1 and on Figure 3. Laboratory analytical reports are attached.

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH
EPNG D Com #5A Meter Run Release Assessment, January 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
NMOCD Action Level*			10	50	100	
SC-1	1/10/14	0.5 to 1.5	<0.047	<0.24	16	11
SC-2	1/10/14	0.5 to 1.5	<0.048	<0.24	<4.8	<10
SC-3	1/10/14	1.5 to 2.5	<0.050	0.30	6.2	<10
SC-4	1/10/14	0.5 to 1.5	<0.047	<0.24	<4.7	<10
Historical Composite	1/10/14	2.5	<0.049	0.37	24	16

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

3.0 Conclusions and Recommendations

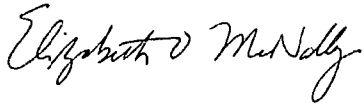
Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. Field screening and laboratory results were below NMOCD action levels for VOCs, benzene, total BTEX, and TPH (GRO/DRO) in all the samples except for the Historical Composite. Field screening of the Historical Composite showed VOCs above 100 ppm; however, laboratory analysis showed concentrations below NMOCD action levels for benzene, total BTEX, and TPH (GRO/DRO). Based on field screening and laboratory results of the final excavation extents, benzene, total BTEX, and TPH concentrations are below the applicable NMOCD action levels. No further work is recommended for the EPNG D Com #5A Meter Run Release.

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

Sincerely,



Heather Woods, P.G.
Project Manager

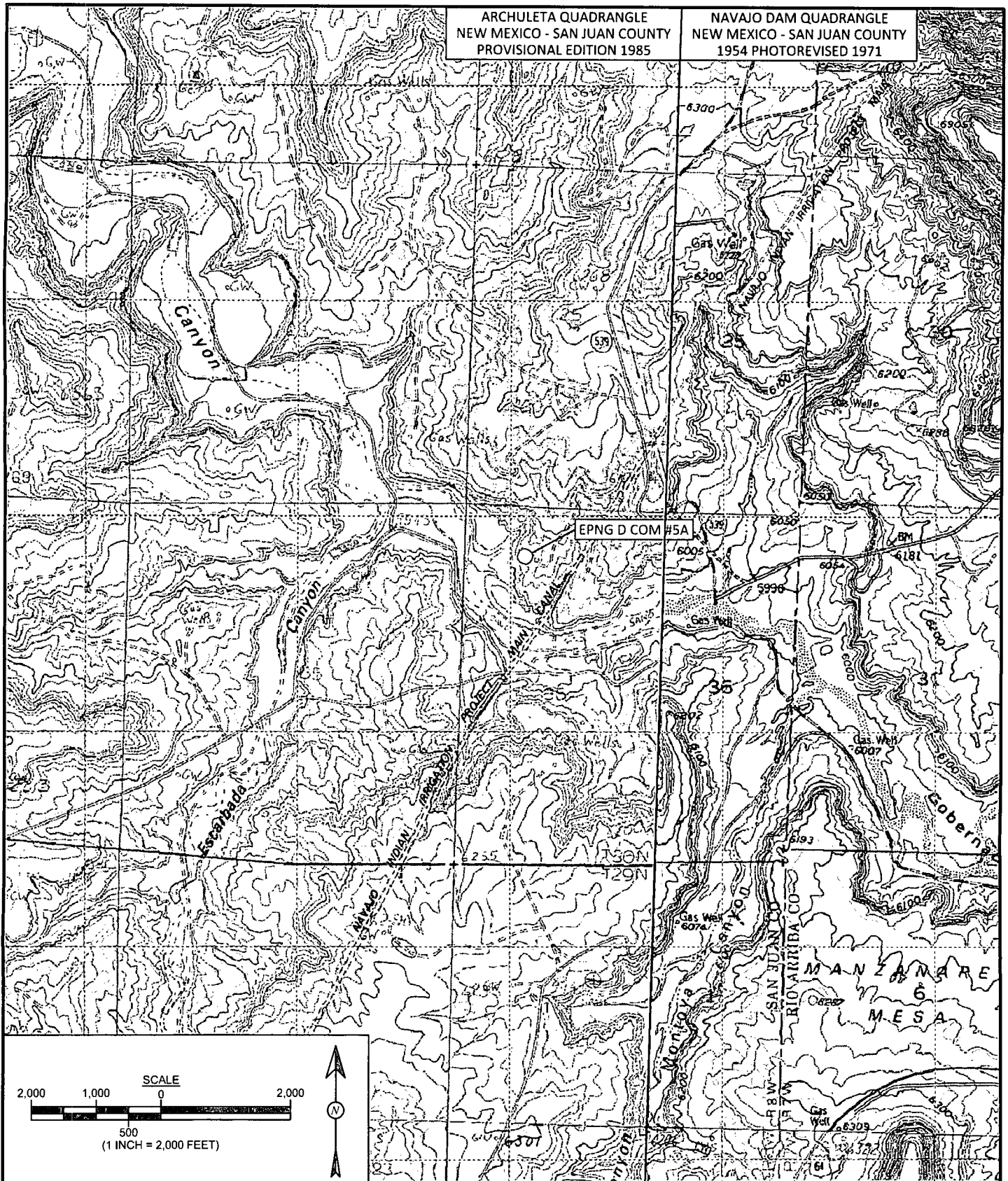


Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Final Excavation Sample Locations and Results, January 2014
- Bills of Lading (Envirotech 45574, 45576, 45583, and 45584)
- Photograph Log
- Laboratory Analytical Reports (Hall 1401443 and 1401444)

R:\Animas 2000\Dropbox\0000 Animas Server Dropbox EM\2014 Projects\Enterprise\EPNG D Com
#5A\Enterprise EPNG D Com #5A Meter Tube Release Report 021214.docx



AES

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
S. Glasses	January 31, 2014
REVISIONS BY:	DATE REVISED:
C. Lameman	January 31, 2014
CHECKED BY:	DATE CHECKED:
D. Watson	January 31, 2014
APPROVED BY:	DATE APPROVED:
E. McNally	January 31, 2014

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 ENTERPRISE FIELD SERVICES LLC
 EPNG D COM #5A
 NW¼ NW¼, SECTION 36, T30N, R8W
 SAN JUAN COUNTY, NEW MEXICO
 N36.77377, W107.63230

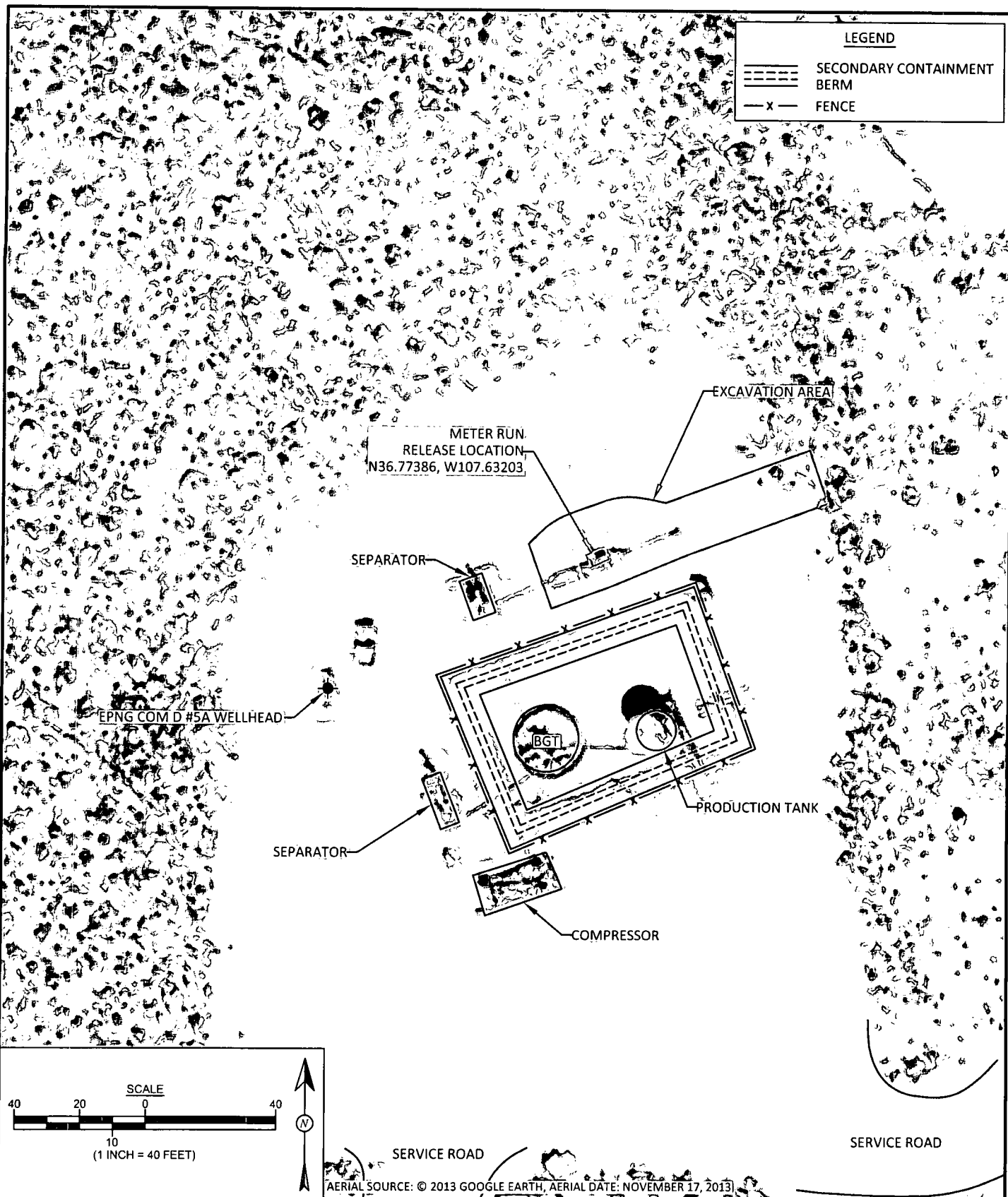
LEGEND

SECONDARY CONTAINMENT

BERM

- x -

FENCE



<div> <div>AES</div> <div> <div></div> <div>Animas Environmental Services. LLC</div> </div> </div>	<div>DRAWN BY:</div> <div>S. Glasses</div>	<div>DATE DRAWN:</div> <div>January 31, 2014</div>	<div>FIGURE 2</div> <div> <div>AERIAL SITE MAP</div> <div>JANUARY 2014</div> <div>ENTERPRISE FIELD SERVICES LLC</div> <div>EPNG D COM #5A</div> <div>NW¼ NW¼, SECTION 36, T30N, R8W</div> <div>SAN JUAN COUNTY, NEW MEXICO</div> <div>N36.77377, W107.63230</div> </div>
	<div>REVISIONS BY:</div> <div>C. Lameman</div>	<div>DATE REVISED:</div> <div>January 31, 2014</div>	
	<div>CHECKED BY:</div> <div>D. Watson</div>	<div>DATE CHECKED:</div> <div>January 31, 2014</div>	
	<div>APPROVED BY:</div> <div>E. McNally</div>	<div>DATE APPROVED:</div> <div>January 31, 2014</div>	

FIGURE 3

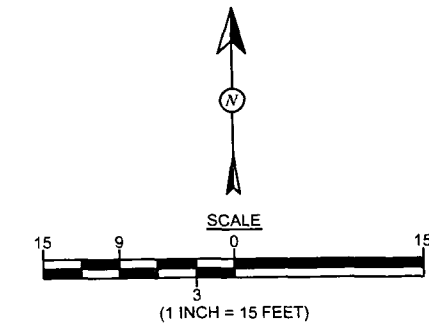
EXCAVATION SAMPLE
LOCATIONS AND RESULTS
JANUARY 2014
ENTERPRISE FIELD SERVICES LLC
EPNG D COM #5A
NW¼ NW¼, SECTION 36, T30N, R8W
SAN JUAN COUNTY, NEW MEXICO
N36.77377, W107.63230



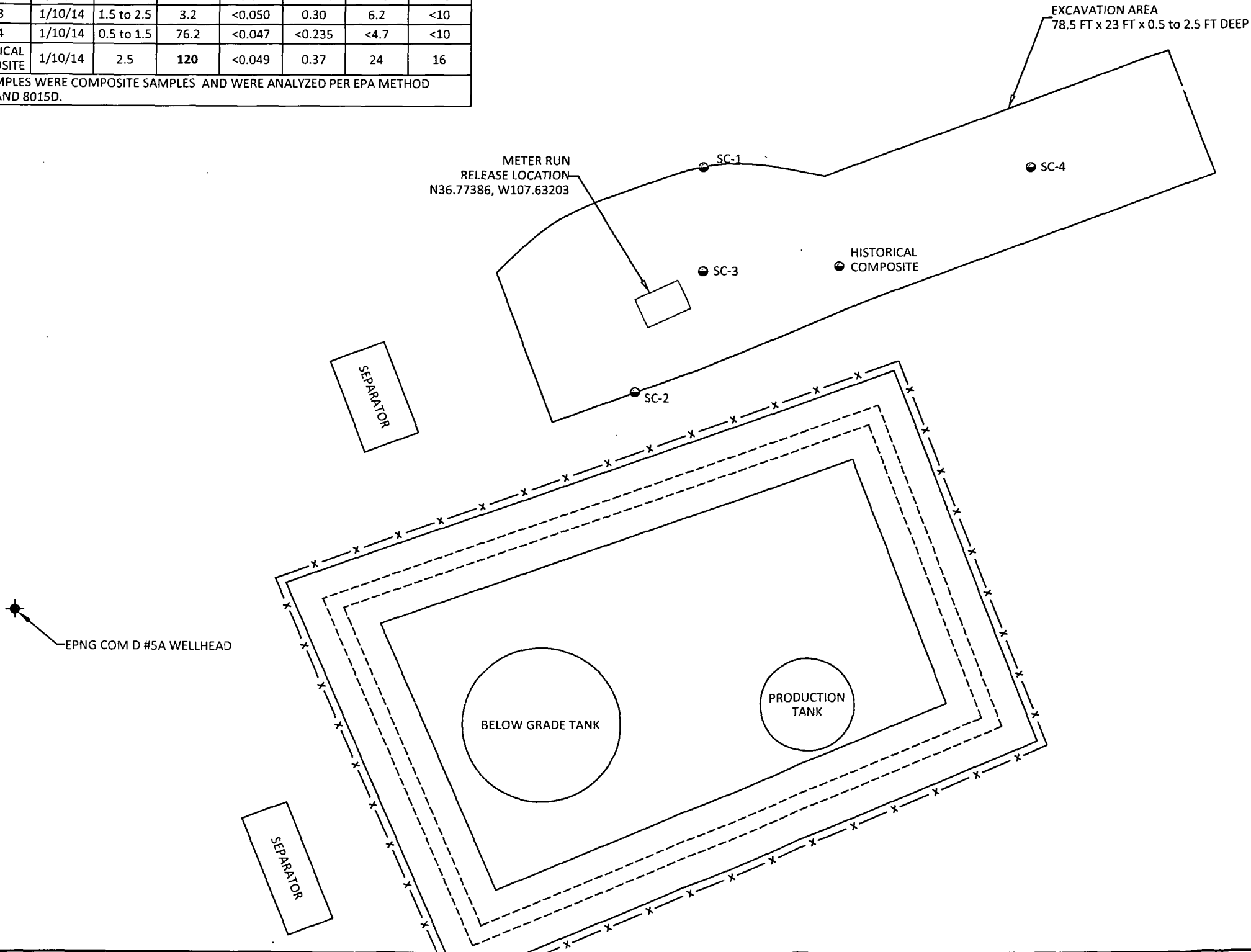
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: February 5, 2014
REVISIONS BY: C. Lameman	DATE REVISED: February 5, 2014
CHECKED BY: H. Woods	DATE CHECKED: February 5, 2014
APPROVED BY: E. McNally	DATE APPROVED: February 5, 2014

LEGEND	
●	SAMPLE LOCATIONS
=====	SECONDARY CONTAINMENT BERM
— x —	FENCE



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)
NMOCD ACTION LEVEL			100	10	50	100	
SC-1	1/10/14	0.5 to 1.5	12.5	<0.047	<0.235	16	11
SC-2	1/10/14	0.5 to 1.5	0.5	<0.048	<0.241	<4.8	<10
SC-3	1/10/14	1.5 to 2.5	3.2	<0.050	0.30	6.2	<10
SC-4	1/10/14	0.5 to 1.5	76.2	<0.047	<0.235	<4.7	<10
HISTORICAL COMPOSITE	1/10/14	2.5	120	<0.049	0.37	24	16
ALL SAMPLES WERE COMPOSITE SAMPLES AND WERE ANALYZED PER EPA METHOD 8021B AND 8015D.							





Bill of Lading

MANIFEST # 45574

DATE 1-10-14 JOB # 97057-0616

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	EnviroTech INC. Land Farm	Enterprise Lt A-7	Clean Fill soil	-	10	-	West States	515	8:30	[Signature]
2	" "	" "	" "	-	10	-	" "	515	11:20	[Signature]
3	" "	EPNG D-Com	" "	-	10	-	" "	515	13:55	[Signature]
4	" "	S-A	" "	-	10	-	" "	515	16:10	[Signature]
					40					
RESULTS:		LANDFARM EMPLOYEE: Garry Robinson Certification of above receipt & placement	NOTES: Pipeline name is Lateral A-7							
CHLORIDE TEST										
PAINT FILTER TEST										

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

TRANSPORTER CO. West States NAME FRANK COHEN SIGNATURE Frank Cohen

COMPANY CONTACT Dwaine Dixon PHONE _____ DATE 1-10-14

Signatures required prior to distribution of the legal document.

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

878.120 reproduction 578.125



Bill of Lading

MANIFEST # 45576

DATE 1-10-14 JOB # 97057-0616

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lat A-7	LF II	CON + SOIL	0-11	10	—	West states	515	11:20	Frank Smith
2	D-com 5A	"	"	0-11	10	—	"	515	13:55	Frank Smith
3	"	"	"	0-11	10	—	"	515	16:10	Frank Smith
					30					
RESULTS:		LANDFARM EMPLOYEE: <i>Cary Robinson</i> - EL	NOTES: Pipeline name is lateral A-7							
<299	CHLORIDE TEST									
	PAINT FILTER TEST	1	Certification of above receipt & placement							

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

TRANSPORTER CO. WPS+ States NAME FRANK COLLETTE SIGNATURE Frank Collette

COMPANY CONTACT _____ PHONE _____ DATE 1-10-17

Signatures required prior to distribution of the legal document.



Bill of Lading

MANIFEST # 45583

DATE 1-11-14 JOB # 97057-0616

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE LATA-7 D-COM-5A	LFH	CON'T SOIL	0-11	10	—	WEST STATES	515	8:22	Frank [Signature]
2	LATA-7 D-COM 5A	LFH	CON'T SOIL	0-11	10	—	WEST STATES	515	10:58	Frank [Signature]
3	LATA-7 D-COM 5A	LFH	CON'T SOIL	0-11	10	—	WEST STATES	515	12:40	Frank [Signature]
					30					
RESULTS:		LANDFARM EMPLOYEE:	<i>EL</i> <i>Betty [Signature]</i>				NOTES: pipeline name is Lateral A-7			
< 299	CHLORIDE TEST									
	PAINT FILTER TEST	1	Certification of above receipt & placement							

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

TRANSPORTER CO. WEST STATES NAME FRANK COLLETTA SIGNATURE Frank Colletta
COMPANY CONTACT _____ PHONE _____ DATE 1-11-14

Signatures required prior to distribution of the legal document.

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

57A-125 תמונת צילומים תרגום



Bill of Lading

MANIFEST # 45584

DATE 1-11-14 JOB # 97057-0616

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

[illegible]

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

TRANSPORTER CO. WEST STATES NAME FRANK COLLETT SIGNATURE Frank Collett

COMPANY CONTACT Wesley D. Ryan PHONE _____ DATE 1-11-14

Signatures required prior to distribution of the legal document.

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

520 4320 reproduction 578.12

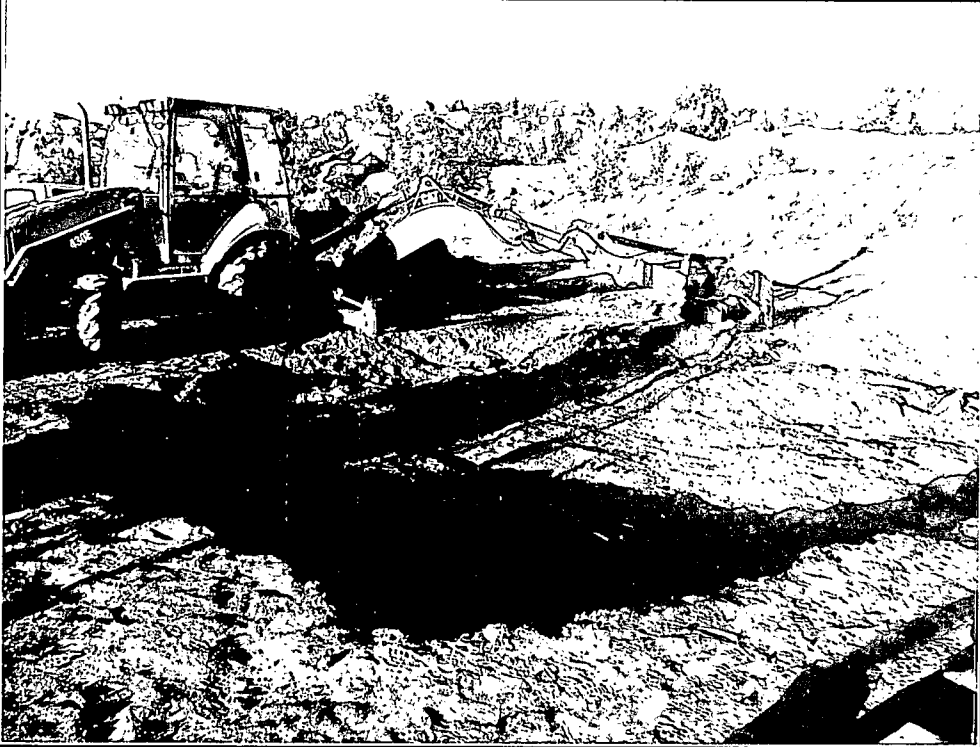
Photo #1	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No. 140108	Description: View of excavation area looking east.


Photo #2	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No. 140108	Description: View of excavation area looking southeast.

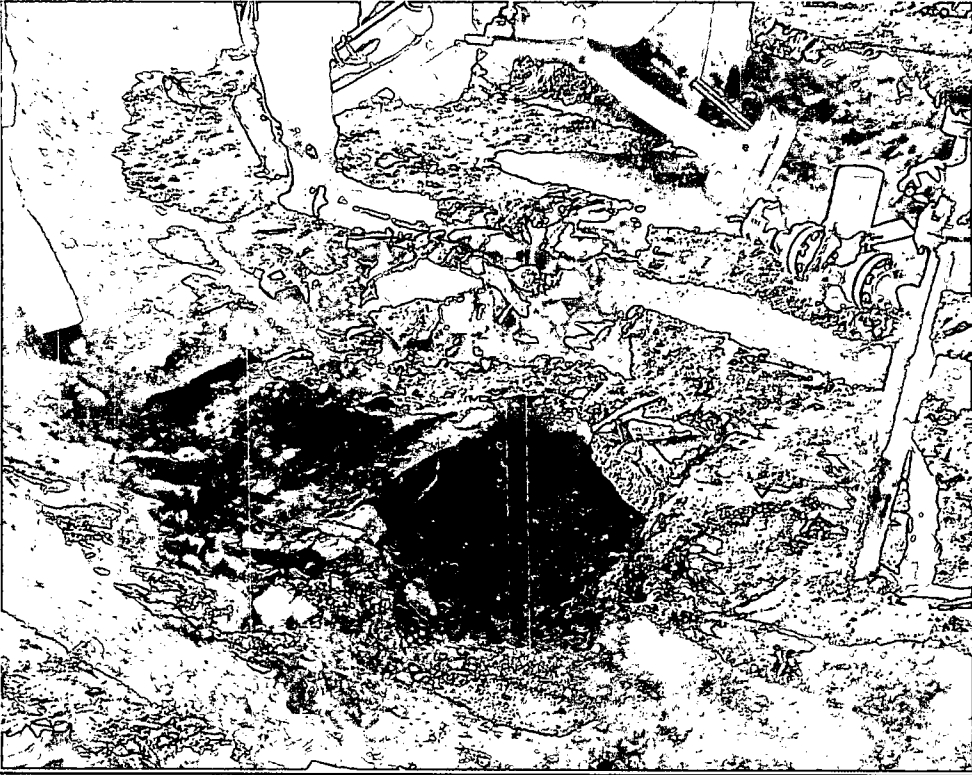
Photo #3	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No. 140108	Description: View of historic contamination in sandstone looking west.

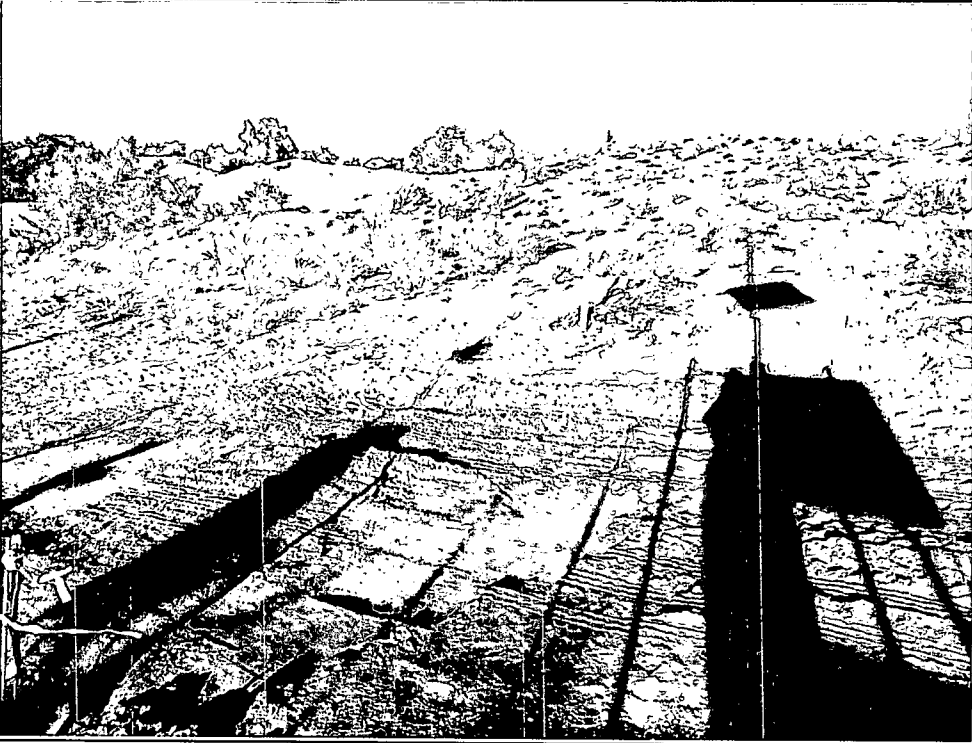

Photo #4	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No. 140108	Description: View of shallow excavation of misted area looking east.

Photo #5	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No. 140108	Description: View of historic contamination in sandstone looking south.



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

January 21, 2014

Heather Woods
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 716-2787
FAX

RE: Enterprise ENPG Com D #5A

OrderNo.: 1401443

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/11/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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 1401443

Date Reported: 1/21/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Enterprise ENPG Com D #5A

Collection Date: 1/10/2014 2:36:00 PM

Lab ID: 1401443-001

Matrix: SOIL

Received Date: 1/11/2014 12:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	11	10		mg/Kg	1	1/14/2014 1:04:59 PM	11196
Surr: DNOP	98.9	66-131		%REC	1	1/14/2014 1:04:59 PM	11196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	16	4.7		mg/Kg	1	1/15/2014 11:42:33 AM	11192
Surr: BFB	124	74.5-129		%REC	1	1/15/2014 11:42:33 AM	11192
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/15/2014 11:42:33 AM	11192
Toluene	ND	0.047		mg/Kg	1	1/15/2014 11:42:33 AM	11192
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2014 11:42:33 AM	11192
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2014 11:42:33 AM	11192
Surr: 4-Bromofluorobenzene	109	80-120		%REC	1	1/15/2014 11:42:33 AM	11192

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical ReportLab Order **1401443**Date Reported: **1/21/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental Services**Client Sample ID:** SC-2**Project:** Enterprise ENPG Com D #5A**Collection Date:** 1/10/2014 1:05:00 PM**Lab ID:** 1401443-002**Matrix:** SOIL**Received Date:** 1/11/2014 12:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/14/2014 2:37:25 PM	11196
Surr: DNOP	107	66-131		%REC	1	1/14/2014 2:37:25 PM	11196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/15/2014 1:08:17 PM	11192
Surr: BFB	91.4	74.5-129		%REC	1	1/15/2014 1:08:17 PM	11192
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.048		mg/Kg	1	1/15/2014 1:08:17 PM	11192
Toluene	ND	0.048		mg/Kg	1	1/15/2014 1:08:17 PM	11192
Ethylbenzene	ND	0.048		mg/Kg	1	1/15/2014 1:08:17 PM	11192
Xylenes, Total	ND	0.097		mg/Kg	1	1/15/2014 1:08:17 PM	11192
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	1/15/2014 1:08:17 PM	11192

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	ND Not Detected at the Reporting Limit
	O RSD is greater than RSDlimit	P Sample pH greater than 2 for VOA and TOC only.
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Analytical ReportLab Order **1401443**Date Reported: **1/21/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental Services**Client Sample ID:** SC-3**Project:** Enterprise ENPG Com D #5A**Collection Date:** 1/10/2014 3:30:00 PM**Lab ID:** 1401443-003**Matrix:** SOIL**Received Date:** 1/11/2014 12:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/14/2014 3:08:25 PM	11196
Surr: DNOP	112	66-131		%REC	1	1/14/2014 3:08:25 PM	11196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.2	5.0		mg/Kg	1	1/15/2014 1:36:55 PM	11192
Surr: BFB	94.2	74.5-129		%REC	1	1/15/2014 1:36:55 PM	11192
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	1/15/2014 1:36:55 PM	11192
Toluene	0.087	0.050		mg/Kg	1	1/15/2014 1:36:55 PM	11192
Ethylbenzene	ND	0.050		mg/Kg	1	1/15/2014 1:36:55 PM	11192
Xylenes, Total	0.21	0.099		mg/Kg	1	1/15/2014 1:36:55 PM	11192
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	1/15/2014 1:36:55 PM	11192

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Client Sample ID: SC-4
 Project: Enterprise ENPG Com D #5A Collection Date: 1/10/2014 2:30:00 PM
 Lab ID: 1401443-004 Matrix: SOIL Received Date: 1/11/2014 12:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/14/2014 3:39:06 PM	11196
Surr: DNOP	96.3	66-131		%REC	1	1/14/2014 3:39:06 PM	11196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/15/2014 2:05:31 PM	11192
Surr: BFB	95.5	74.5-129		%REC	1	1/15/2014 2:05:31 PM	11192
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	1/15/2014 2:05:31 PM	11192
Toluene	ND	0.047		mg/Kg	1	1/15/2014 2:05:31 PM	11192
Ethylbenzene	ND	0.047		mg/Kg	1	1/15/2014 2:05:31 PM	11192
Xylenes, Total	ND	0.094		mg/Kg	1	1/15/2014 2:05:31 PM	11192
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	1/15/2014 2:05:31 PM	11192

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401443

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11196	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11196	RunNo:	16046					
Prep Date:	1/13/2014	Analysis Date:	1/14/2014	SeqNo:	462288	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	10		10.00		104	66	131			

Sample ID	LCS-11196	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	11196	RunNo:	16046					
Prep Date:	1/13/2014	Analysis Date:	1/14/2014	SeqNo:	462296	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	60.8	145			
Surr: DNOP	5.1		5.000		102	66	131			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401443

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11192	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	11192	RunNo:	16104					
Prep Date:	1/13/2014	Analysis Date:	1/15/2014	SeqNo:	463814	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	900		1000		89.8	74.5	129			

Sample ID	LCS-11192	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	11192	RunNo:	16104					
Prep Date:	1/13/2014	Analysis Date:	1/15/2014	SeqNo:	463815	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	108	74.5	126			
Surr: BFB	960		1000		96.5	74.5	129			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401443

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11192	SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	11192		RunNo:	16104				
Prep Date:	1/13/2014	Analysis Date:	1/15/2014		SeqNo:	463837	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-11192		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 11192		RunNo: 16104					
Prep Date:	1/13/2014		Analysis Date: 1/15/2014		SeqNo: 463838		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	107	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |



Hall Environmental Analysis Laboratory
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: 1401443

RcptNo: 1

Received by/date:

Logged By: Lindsay Mangin

1/11/2014 12:20:00 PM

Completed By: Lindsay Mangin

1/13/2014 8:29:40 AM

Reviewed By:

TO

01/13/2014

[Signature]
[Signature]

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp. C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.4	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 21, 2014

Heather Woods
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 716-2787
FAX

RE: Enterprise ENPG Com D #5A

OrderNo.: 1401444

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/11/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1401444**Date Reported: **1/21/2014****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental Services**Client Sample ID:** Historic Composite**Project:** Enterprise ENPG Com D #5A**Collection Date:** 1/10/2014 3:32:00 PM**Lab ID:** 1401444-001**Matrix:** SOIL**Received Date:** 1/11/2014 12:20:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	16	10		mg/Kg	1	1/14/2014 4:09:50 PM	11196
Surr: DNOP	102	66-131		%REC	1	1/14/2014 4:09:50 PM	11196
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	24	4.9		mg/Kg	1	1/16/2014 4:12:39 PM	11192
Surr: BFB	229	74.5-129	S	%REC	1	1/16/2014 4:12:39 PM	11192
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	1/16/2014 4:12:39 PM	11192
Toluene	ND	0.049		mg/Kg	1	1/16/2014 4:12:39 PM	11192
Ethylbenzene	0.094	0.049		mg/Kg	1	1/16/2014 4:12:39 PM	11192
Xylenes, Total	0.28	0.097		mg/Kg	1	1/16/2014 4:12:39 PM	11192
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	1/16/2014 4:12:39 PM	11192

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401444

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11196	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	11196	RunNo:	16046					
Prep Date:	1/13/2014	Analysis Date:	1/14/2014	SeqNo:	462288	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	10		10.00		104	66	131			

Sample ID	LCS-11196	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	11196	RunNo:	16046					
Prep Date:	1/13/2014	Analysis Date:	1/14/2014	SeqNo:	462296	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	60.8	145			
Surr: DNOP	5.1		5.000		102	66	131			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401444

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11192	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	11192	RunNo:	16104					
Prep Date:	1/13/2014	Analysis Date:	1/15/2014	SeqNo:	463814	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	900		1000		89.8	74.5	129			

Sample ID	LCS-11192	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	11192	RunNo:	16104					
Prep Date:	1/13/2014	Analysis Date:	1/15/2014	SeqNo:	463815	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	108	74.5	126			
Surr: BFB	960		1000		96.5	74.5	129			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| E Value above quantitation range | H Holding times for preparation or analysis exceeded |
| J Analyte detected below quantitation limits | ND Not Detected at the Reporting Limit |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401444

21-Jan-14

Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

Sample ID	MB-11192	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS	Batch ID: 11192		RunNo: 16104						
Prep Date:	1/13/2014	Analysis Date: 1/15/2014		SeqNo: 463837		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-11192		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 11192		RunNo: 16104					
Prep Date:	1/13/2014		Analysis Date: 1/15/2014		SeqNo: 463838		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	107	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
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: 1401444

RcptNo: 1

Received by/date: AF 01/11/14

Logged By: Lindsay Mangin 1/11/2014 12:20:00 PM

Completed By: Lindsay Mangin 1/13/2014 8:33:31 AM

Reviewed By: IO 01/13/2014

[Signature]

[Signature]

Chain of Custody

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

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

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

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp. C	Condition	Seal Intact?	Seal No.	Seal Date	Signed By
1	2.4	Good	Yes			

<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush
Project Name: <i>Enterprise EPNG Com D #5A</i>	
Project #:	
Project Manager: <i>H. Woods</i>	
Sampler: <i>H. Woods</i>	
On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sample Temperature: <i>3.4°C</i>	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/10/14	1725	Heather M. Woods	Christine Walz	11/10/14	1725
Date:	Time:	Relinquished by:	Received by:	Date	Time
11/10/14	1750	Christine Walz	Christine Walz	11/10/14	1720

Remarks:
Bill to Enterprise Field Services

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

District I
1625 N. First Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286
Facility Name: Blanco 30-12 #100S	Facility Type: Well Site – Meter Tube/Meter Run

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

LOCATION OF RELEASE

Unit Letter O	Section 10	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
-------------------------	----------------------	------------------------	---------------------	---------------	------------------	---------------	----------------	---------------------------

Latitude 36.8229 Longitude -108.0846

NATURE OF RELEASE

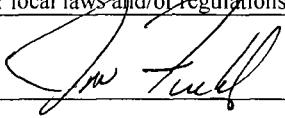
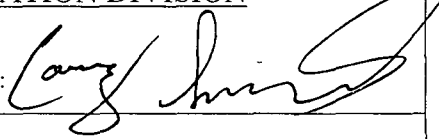
Type of Release: Natural gas and possible associated liquids	Volume of Release: 32 MCF	Volume Recovered: Unknown
Source of Release: Natural gas gathering pipeline	Date and Hour of Occurrence: 12/14/2013 @ 6:00 p.m.	Date and Hour of Discovery: 12/14/2013 @ 6:00 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OIL CONS. DIV DIST. 3	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. MAR 11 2014	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On 12/14/2013 a gas leak occurred on a meter run at a producer's well location. An employee of the production company shut in the meter run and stopped the leak at about 6:00 PM in which the fire department responded. They estimate the leak lasted about 1.5 hours. The production company notified the Enterprise measurement department on 12/15/2013 at approximately 8:20 AM. The gasket in the orifice flange had blown out due to liquids freezing in piping a meter tube. He replaced the gaskets and orifice plate and put the meter run back in service. Approximately 32 square feet of soil was stained from released water and condensate.

Describe Area Affected and Cleanup Action Taken.* Approximately 32 square feet of soil was stained from released water and condensate. Approximately 3 cubic yards of hydrocarbon contaminated soil was disposed of at a NMOCD approved land farm facility. A third party corrective action report is included with this final "C-141".

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Jon Fields		Approved by Environmental Specialist: 	
Title: Director, Environmental		Approval Date: 4/24/14	Expiration Date:
E-mail Address: jefields@eprod.com		Conditions of Approval:	
Date: 3-3-2014	Phone: (713)381-6684	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Incident # NCS 141 144 8874

16



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

February 6, 2014

Thomas Long
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

Via electronic mail with delivery confirmation receipt to:
tjlong@eprod.com

**RE: Release Assessment Report
Blanco 30-12 #100S Meter Run Release
SW¼ SE¼, Section 10, T30N, R12W
San Juan County, New Mexico**

OIL CONS. DIV DIST. 3

MAR 11 2014

Dear Mr. Long:

On December 20, 2013, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of approximately 34 Mcf of natural gas and an estimated volume of less than five barrels (bbls) pipeline liquids from the Enterprise Field Services, LLC (Enterprise) Blanco 30-12 #100S meter run. The release was discovered on December 14, 2013, and resulted from a failed orifice flange gasket due to freezing.

1.0 Site Information

1.1 Location

Location – SW¼ SE¼, Section 10, T30N, R12W, San Juan County, New Mexico
Well Head Latitude/Longitude – N36.82294 and W108.08458, respectively
Release Location Latitude/Longitude – N36.82326 and W108.08473, respectively
Surface Owner – Private
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the assessment. The release was given a ranking score of 20 based on the following factors:

- **Depth to Groundwater:** Depth to groundwater is estimated to be between 50 and 100 feet below ground surface (bgs) based on a reported depth to water of 60 and 70 feet bgs in nearby water wells (SJ 00945 and SJ 02128) registered with the Office of the State Engineer. These wells are located approximately 1,100 feet to the southwest of the release location. (10 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** The release is located approximately 265 feet to the west of the ephemeral wash in Johnson Arroyo draining to Flora Vista Arroyo and then to Animas River. (10 points)

The ranking score of 20 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

1.3 Assessment and Mitigation

On December 20, 2013, Enterprise contractors completed an excavation of petroleum hydrocarbon impacted soils in the release area around the meter house at the location. AES provided field screening for excavation guidance and, prior to backfilling the excavation, collected two confirmation soil samples for field screening and laboratory analysis from the base of the shallow, final excavation. The final excavation was approximately 230 square feet by 0.25 to 1 foot deep and terminated on sandstone. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Industrial Ecosystems, Inc. (IEI) landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The IEI waste manifest and a photograph log are included in the Appendix.

2.0 Soil Sampling

A total of two composite soil samples (SC-1 and SC-2) were collected from the base of the final excavation during the assessment. The composite samples were field screened for volatile organic compounds (VOCs) and submitted for laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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.

2.2 Laboratory Analyses

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 were laboratory analyzed for:

- TPH (GRO/DRO) per U.S. Environmental Protection Agency (EPA) Method 8015D.

2.3 Field Screening and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 2.1 ppm in SC-1 to 2.6 ppm in SC-2. Results are included in Table 1 and on Figure 3.

Table 1. Soil Field Screening VOC Results
 Blanco 30-12 #100S Meter Run Release Assessment, December 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs via OVM (ppm)</i>
NMOCD Action Level*			100
SC-1	12/20/13	0.25 to 1	2.1
SC-2	12/20/13	0.25 to 0.5	2.6

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

Laboratory analytical results showed that TPH concentrations were below the laboratory detection limit in SC-1 and SC-2. Laboratory analytical results are included in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Laboratory Analytical Results – TPH
 Blanco 30-12 #100S Meter Run Release Assessment, December 2013

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>TPH – GRO (mg/kg)</i>	<i>TPH – DRO (mg/kg)</i>
NMOCD Action Level*			100	
SC-1	12/20/13	0.25 to 1	<4.9	<10
SC-2	12/20/13	0.25 to 0.5	<4.7	<9.9

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

3.0 Conclusions and Recommendations

Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. Field screening of SC-1 and SC-2 showed VOC concentrations below the NMOCD action level of 100 ppm. Laboratory analytical results reported TPH concentrations below the NMOCD action level of 100 mg/kg in SC-1 and SC-2.

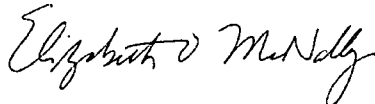
Based on field screening and laboratory results of the final excavation extents for petroleum contaminated soils, no further work is recommended for the Blanco 30-12 #100S Meter Run Release.

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

Sincerely,



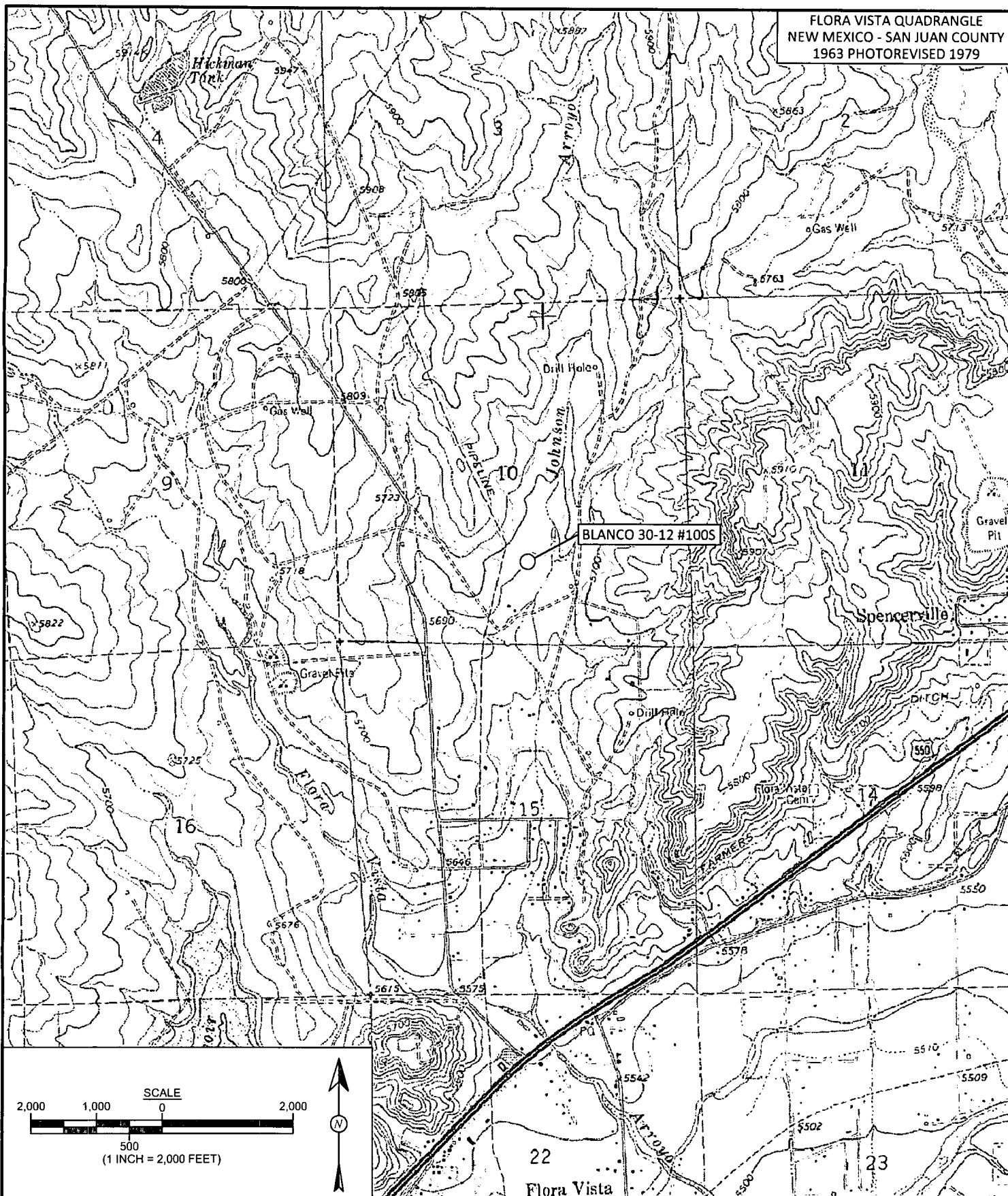
Heather Woods, P.G.
Project Manager



Elizabeth McNally, P.E.

Attachments:

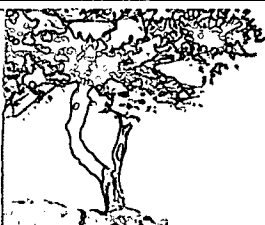
- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Final Excavation Sample Locations and Results, December 2013
- Waste Manifest (IEI C-138)
- Photograph Log
- Laboratory Analytical Reports (Hall 1312A30)



2,000 1,000 0 2,000
500
(1 INCH = 2,000 FEET)



AES



Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
February 5, 2014

REVISIONS BY:
C. Lameman

DATE REVISED:
February 5, 2014

CHECKED BY:
H. Woods

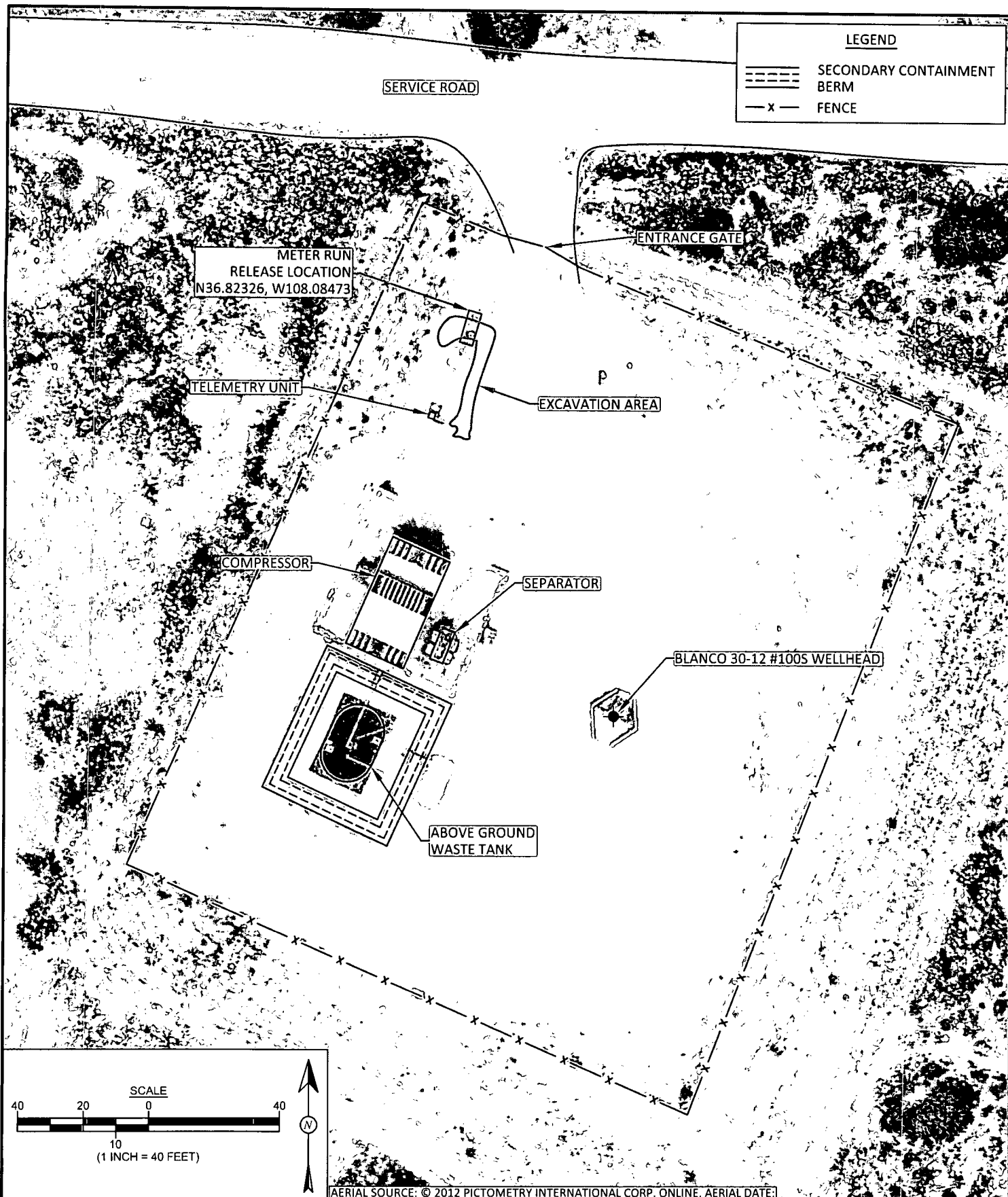
DATE CHECKED:
February 5, 2014

APPROVED BY:
E. McNally

DATE APPROVED:
February 5, 2014

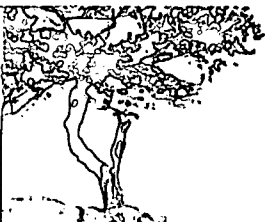
FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
ENTERPRISE FIELD SERVICES, LLC
BLANCO 30-12 #100S
SW¼, SE¼, SECTION 10, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.82294, W108.08458



AERIAL SOURCE: © 2012 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE:

AES



Animas Environmental Services, LLC

DRAWN BY:
C. Lameman

DATE DRAWN:
February 5, 2014

REVISIONS BY:
C. Lameman

DATE REVISED:
February 5, 2014

CHECKED BY:
H. Woods

DATE CHECKED:
February 5, 2014

APPROVED BY:
E. McNally

DATE APPROVED:
February 5, 2014

FIGURE 2

AERIAL SITE MAP
ENTERPRISE FIELD SERVICES, LLC
BLANCO 30-12 #100S
SW¼ SE¼, SECTION 10, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.82294, W108.08458

FIGURE 3

EXCAVATION SAMPLE
LOCATIONS AND RESULTS
DECEMBER 2013
ENTERPRISE FIELD SERVICES, LLC
BLANCO 30-12 #100S
SW¼, SE¼, SECTION 10, T30N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.82294, W108.08458

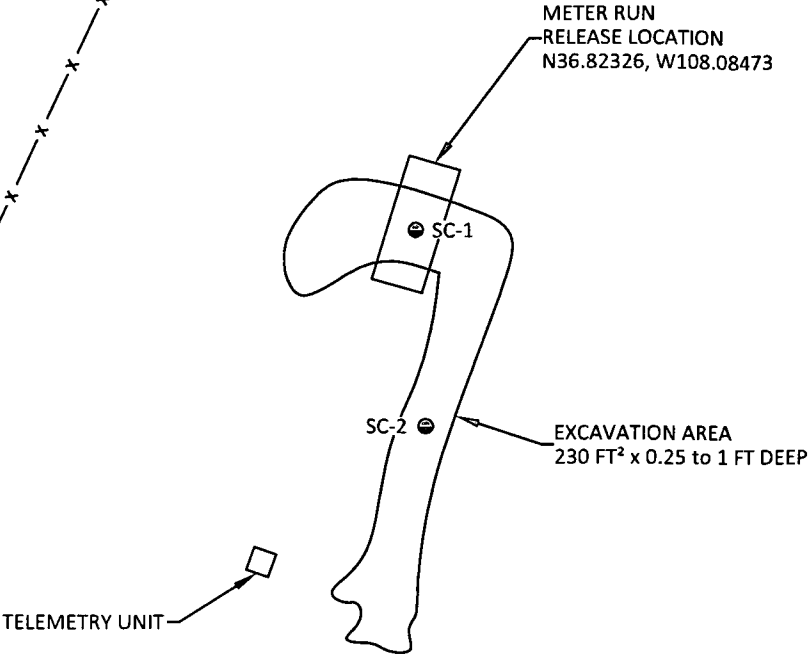
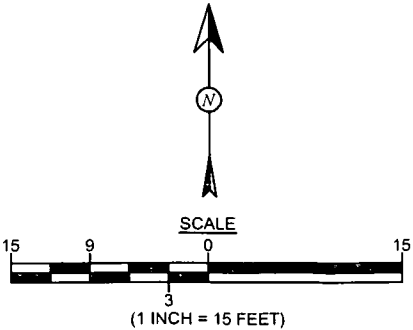


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: February 5, 2014
REVISIONS BY: C. Lameman	DATE REVISED: February 5, 2014
CHECKED BY: H. Woods	DATE CHECKED: February 5, 2014
APPROVED BY: E. McNally	DATE APPROVED: February 5, 2014

LEGEND

- SAMPLE LOCATIONS
- ===== SECONDARY CONTAINMENT BERM
- x— FENCE



Field Screening and Laboratory Analytical Results					
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			100	100	
SC-1	12/20/13	0.25 to 1	2.1	<4.9	<10
SC-2	12/20/13	0.25 to 0.5	2.6	<4.7	<9.9
ALL SAMPLES WERE COMPOSITE SAMPLES. ALL SAMPLES WERE ANALYZED PER EPA METHOD 8015D.					

BLANCO 30-12 #100S WELLHEAD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised 08/01/11

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. **Generator Name and Address:**
Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401
2. **Originating Site:**
Blanco 30-12 #100S Meter Tube Leak
3. **Location of Material (Street Address, City, State or ULSTR):**
Unit O Sec 10, T30N, R12W, San Juan County, NM; 36.8229, -108.0846

4. **Source and Description of Waste:**

Source: Natural Gas Gathering Line

Description: Natural Gas Liquids (Condensate and Water) released from a gathering line

Estimated Volume 4 (yd) bbls Known Volume (to be entered by the operator at the end of the haul) 3 (yd) bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby

Generator Signature

certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. **Operator Use Only: Waste Acceptance Frequency** ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazard characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☒ Process Knowledge ☐ Other (Provide description in Box)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Thomas Long, representative for Enterprise Products Operating authorize IEL, Inc. to complete the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for IEL Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the results have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The following documentation is attached to demonstrate the above-described waste conform to the requirements of Section 19.15.36 NMAC.

5. **Transporter: To Be Determined**

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: #49 CR 2150 Aztec, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: L. Machado

SIGNATURE: _____

Surface Waste Management Facility Authorized Agent

TITLE: Land Farm Administrator

TELEPHONE NO.:

505-632-1782

DATE: 12-20-13

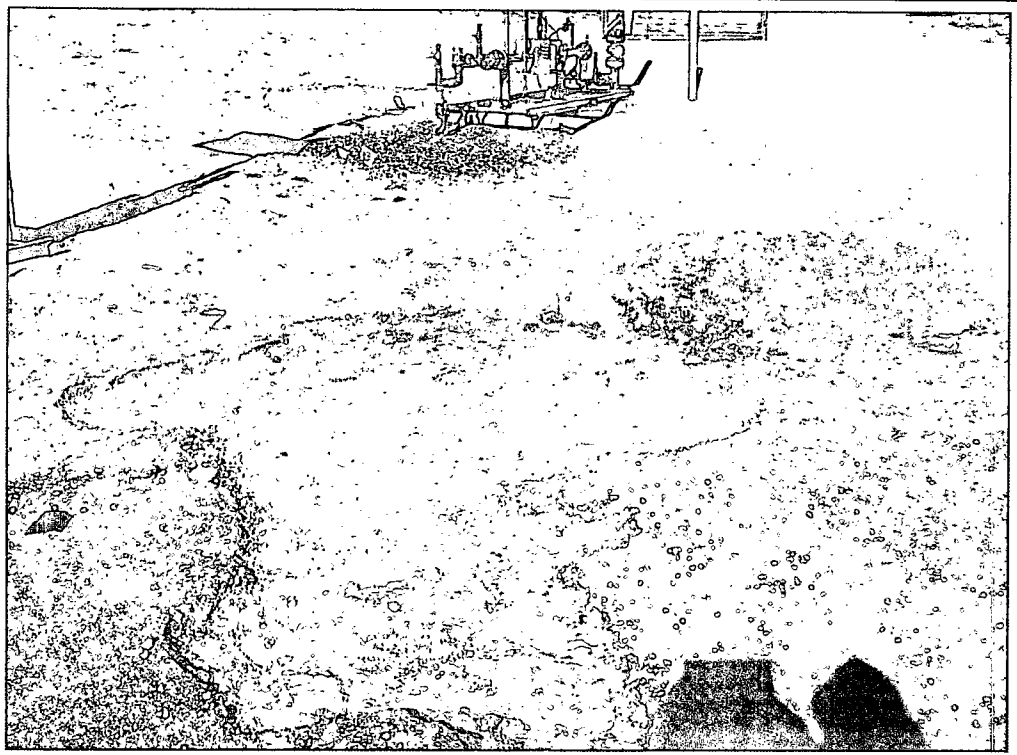
Photo #1	
Client: Enterprise Field Services, LLC	
Project: Blanco 30-12 #100S	
Taken by: Heather Woods	
Date: December 20, 2013	
AES Project No. 131230	Description: View of excavation area looking north.

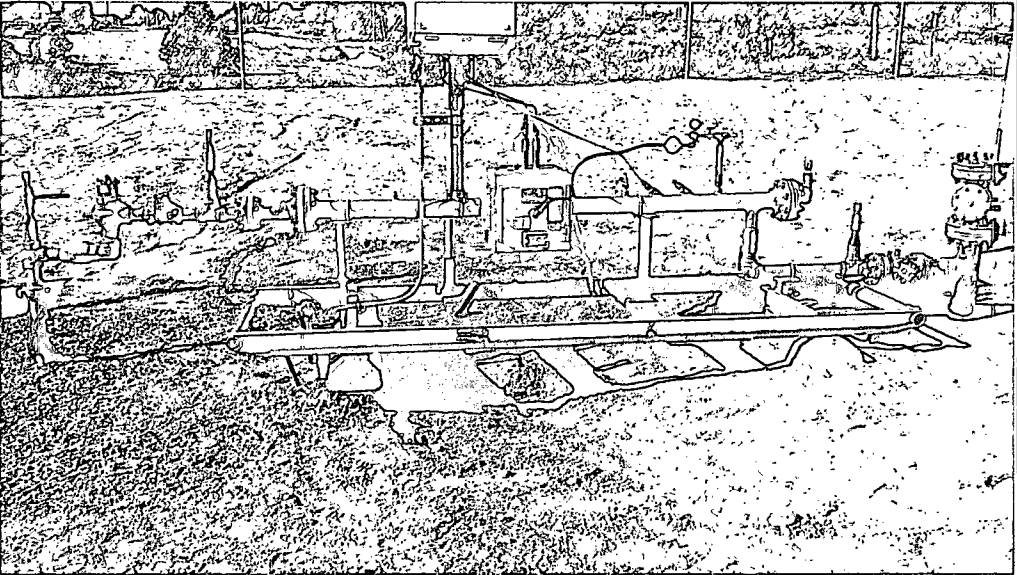
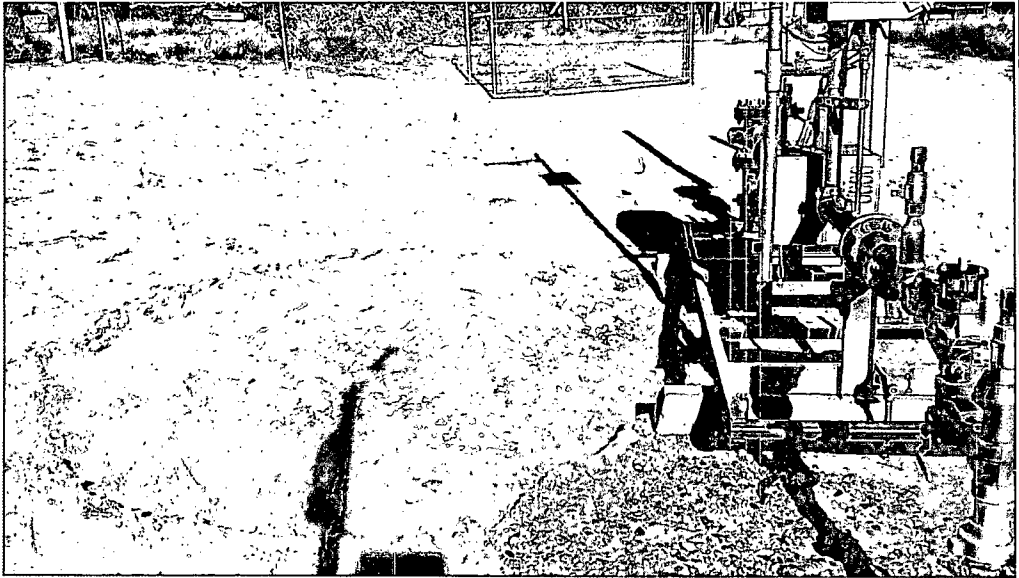
Photo #2	
Client: Enterprise Field Services, LLC	
Project: Blanco 30-12 #100S	
Taken by: Heather Woods	
Date: December 20, 2013	
AES Project No. 131230	Description: View of excavation area looking west.

Photo #3	
Client: Enterprise Field Services, LLC	
Project: Blanco 30-12 #100S	
Taken by: Heather Woods	
Date: December 20, 2013	
AES Project No. 131230	Description: View of excavation area looking north.



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

January 03, 2014

Heather Woods

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 716-2787

FAX

RE: Enterprise Blanco 30-12 #100S

OrderNo.: 1312A30

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/21/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312A30

Date Reported: 1/3/2014

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Enterprise Blanco 30-12 #100S

Collection Date: 12/20/2013 12:30:00 PM

Lab ID: 1312A30-001

Matrix: SOIL

Received Date: 12/21/2013 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/26/2013 9:41:45 AM
Surr: DNOP	99.9	66-131		%REC	1	12/26/2013 9:41:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/25/2013 3:27:21 AM
Surr: BFB	80.2	74.5-129		%REC	1	12/25/2013 3:27:21 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1312A30

Date Reported: 1/3/2014

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: Enterprise Blanco 30-12 #100S

Collection Date: 12/20/2013 1:10:00 PM

Lab ID: 1312A30-002

Matrix: SOIL

Received Date: 12/21/2013 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/25/2013 12:35:17 AM
Surr: DNOP	104	66-131		%REC	1	12/25/2013 12:35:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/25/2013 3:55:53 AM
Surr: BFB	81.6	74.5-129		%REC	1	12/25/2013 3:55:53 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A30

05-Feb-14

Client: Animas Environmental Services

Project: Enterprise Blanco 30-12 #100S

Sample ID	MB-10940	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	10940	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452733	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	12		10.00		117	66	131			

Sample ID	LCS-10940	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	10940	RunNo:	15679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	452736	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	70	10	50.00	0	140	60.8	145			
Surr: DNOP	6.5		5.000		131	66	131			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A30

05-Feb-14

Client: Animas Environmental Services

Project: Enterprise Blanco 30-12 #100S

Sample ID	MB-10957	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453870	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	880		1000		87.7	74.5	129			

Sample ID	LCS-10957	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	10957	RunNo:	15727					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	SeqNo:	453871	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	109	74.5	126			
Surr: BFB	960		1000		95.6	74.5	129			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1312A30

RcptNo: 1

Received by/date:

[Signature] 12/21/13

Logged By:

Lindsay Mangin

12/21/2013 8:20:00 AM

[Signature]

Completed By:

Lindsay Mangin

12/21/2013 8:35:36 AM

[Signature]

Reviewed By:

[Signature]

12/23/13

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of >0° C to 6.0°C

Yes ☒

No ☐

NA ☐

6. Sample(s) in proper container(s)?

Yes ☒

No ☐

7. Sufficient sample volume for indicated test(s)?

Yes ☒

No ☐

8. Are samples (except VOA and ONG) properly preserved?

Yes ☒

No ☐

9. Was preservative added to bottles?

Yes ☐

No ☒

NA ☐

10. VOA vials have zero headspace?

Yes ☐

No ☐

No VOA Vials ☒

11. Were any sample containers received broken?

Yes ☐

No ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date:

By Whom:

Via:

☐

eMail

☐

Phone

☐

Fax

☐

In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Carson Compressor Station	Facility Type: Natural Gas Compressor Station	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter F	Section 19	Township 26N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.469075 Longitude -107.941489

NATURE OF RELEASE

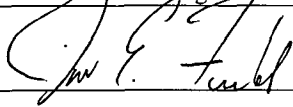
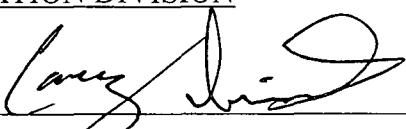
Type of Release: Natural Gas Condensate and Produced Water	Volume of Release: 9 BBLs	Volume Recovered: 9 BBLs
Source of Release: External Damage	Date and Hour of Occurrence: 2/06/2014 @ 2:30 p.m.	Date and Hour of Discovery: 2/06/2014 @ 2:30 p.m.
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour. RCVD FEB 18 '14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken: During pigging operations at Trunk 6A receiving facility the liquid recovery tanks were checked by the operations technician and had a liquid level of two foot when the first spec truck left the facility. He began removing the pigs from the receiver and the automatic dumps from the separator continued to dump to the tanks filling both tanks at a fast rate which resulted in an over topping approximately 9 barrels of natural gas condensate and produce water. All fluids were contained inside the secondary containment with an impermeable liner. The fluids were removed from the secondary containment by use of a water truck. The fluids were then transported to the Blanco Liquid facility.

Describe Area Affected and Cleanup Action Taken.* All fluids that were discharge form the filling tanks were contained within the secondary containment with an impermeable liner. The fluids were removed from the secondary containment by use of a water truck. The fluids were then transported to the Blanco Liquid facility.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>4/28/14</u>	Expiration Date:
E-mail Address: : jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>2-14-14</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

NCS 141184 3264

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

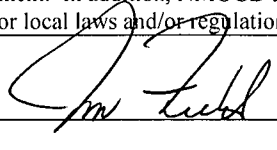
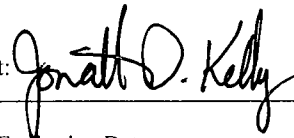
Name of Company: Enterprise Field Services LLC	Contact: Thomas Long	
Address: 614 Reilly Ave, Farmington, NM 87401	Telephone No. 505-599-2286	
Facility Name: Lateral 2C-107	Facility Type: Natural Gas Gathering Line	
Surface Owner: BLM	Mineral Owner: BLM	API No.

LOCATION OF RELEASE

Unit Letter K	Section 23	Township 25N	Range 3W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.380978 Longitude -107.117019

NATURE OF RELEASE

Type of Release: Natural gas and condensate liquids	Volume of Release: 450 mcf	Volume Recovered: To Be Determined
Source of Release: Natural gas gathering line	Date and Hour of Occurrence: 12/30/2013 @ 8:30 a.m	Date and Hour of Discovery: 12/30/2013 @ 8:30 a.m
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Thomas Long	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A third party reported a possible leak, technicians were dispatched and the line was isolated, blown down and lock out tag out (LOTO) was applied. The release was caused by internal corrosion of the pipeline. <div style="text-align: right;">RCVD JAN 16 '14 OIL CONS. DIV. DIST. 3</div>		
Describe Area Affected and Cleanup Action Taken.* A third party environmental contractor assessed the release site on 1-8-14 and estimates an area of approximately 18 feet long by 9 feet wide by 5 feet deep was impacted. Remediation of the release will be scheduled when weather permits access to the site. A "final" c-141 will be submitted once remediation activities and corrective action report has been 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: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: <u>9/4/2014</u>	Expiration Date:
E-mail Address: : jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>1-10-2013</u> Phone: (713)381-6684		

* Attach Additional Sheets If Necessary

nJK1424756324

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

☒ Updated

☐ Final 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 Ballard Compressor Station	Facility Type Natural Gas Compressor Station

Surface Owner Private	Mineral Owner BLM	API No.
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LOCATION OF RELEASE

Unit Letter 1	Section 26	Township 26N	Range 9W	Feet from the North/South Line	Feet from the East/West Line	County San Juan
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Latitude N 36.45953

Longitude W 107.75151 (Decimal Degrees)

NATURE OF RELEASE

Type of Release Natural Gas Condensate	Volume of Release 4-5 Barrels	Volume Recovered 4 Barrels (estimated)
Source of Release Condensate Tank Overtopping Event	Date and Hour of Occurrence 7.2.2013 @ 07:00 hours (estimated)	Date and Hour of Discovery 7.2.2013 @ 08:00 hours

Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?
--	------------------

By Whom?	Date and Hour
----------	---------------

Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.
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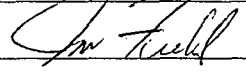
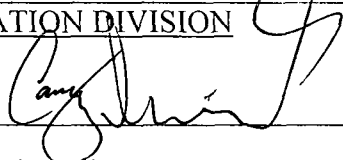
RCVD JAN 21 '14

If a Watercourse was Impacted, Describe Fully.*	OIL CONS. DIV. DIST. 3
---	---------------------------

Describe Cause of Problem and Remedial Action Taken.* Apparent tank overtopping was discovered at the Ballard condensate tanks on July 2, 2013. It is estimated that 4-5 barrels of condensate was released to the lined secondary containment system. Approximately 10-20 gallons of condensate was carried over in mist form and fell onto the ground within a 30 foot semi-circle to the North West of the tanks and containment system. The condensate from the secondary lined containment berm was removed within 2 hours of the discovery of the tank overtopping. Additionally, the condensate tanks were de-inventoried of condensate at this time. A malfunction of the automated liquid level indicator system was discovered as evidenced by incorrect readings relayed to the monitoring system. The liquid level monitoring system is currently being evaluated for re-design.

Describe Area Affected and Cleanup Action Taken.* Third party environmental contractor assessed the release area and approximately 120 barrels of contaminated soils were hydro-excavated from within the containment area. Contaminated soils were transported to a NMOCD approved land farm facility. After assessment and excavation activities were complete, a bioremediation solution (Micro-Blaze) was applied to excavation side walls a base to remediate the residual subsurface hydrocarbon contaminants. The excavation was then backfilled with clean fill dirt. A third party corrective action and assessment report is enclosed with this "updated" c-141 report.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Jon Fields	Approved by Environmental Specialist: 	
Title: Sr. Director, Environmental	Approval Date: 11/4/14	Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1-15-14 Phone: (713)381-6684	Enterprise Must Return No Later than 12/4/14 to Continued Remediation	

* Attach Additional Sheets If Necessary

NCS 1430840639



Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado
970-403-3084

December 9, 2013

Thomas Long
Enterprise Field Services, LLC
614 Reilly Avenue
Farmington, New Mexico 87401

*Via electronic mail with delivery confirmation receipt to:
tjlong@eprod.com*

**RE: Release Assessment Report
Ballard Compressor Station Condensate Tank Release
SE¼ NE¼, Section 26, T26N, R9W
San Juan County, New Mexico**

RCVD JAN 21 '14
OIL CONS. DIV.
DIST. 3

Dear Mr. Long:

On July 3 through August 2, 2013, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of an estimated four to five barrels (bbls) of natural gas condensate and oil from the Enterprise Field Services, LLC (Enterprise) Ballard Compressor Station condensate tank. The release occurred on July 2, 2013, and was contained within the lined steel wall secondary containment, except for an estimated 10 to 20 gallons that fell as a mist onto an approximate 30 foot semi-circular area on the northwest side of the secondary containment area. The release resulted from overtopping of the western condensate tank associated with malfunction of the automated liquid level indicator system.

1.0 Site Information

1.1 Location

Location - SE¼ NE¼, Section 26, T26N, R9W, San Juan County, New Mexico
Latitude/Longitude - N36.45949 and W107.75164, respectively
Surface Owner – Private – El Paso Field Services (per San Juan County Assessor's Map)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The release was given a ranking score of **10** based on the following factors:

- **Depth to Groundwater:** Based on depth to groundwater ranging from 215 to 230 feet below ground surface (bgs) reported in private wells SJ 00063, SJ 00064, and SJ 00214 located approximately 680 feet, 890 feet and 1,200 feet, respectively, from the release location, depth to groundwater is assumed to be greater than 100 feet bgs at the release location. (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** Two tributary ephemeral washes are located approximately 500 and 700 feet to the east of the release location and drain to the wash in Blanco Canyon. (10 points)

The ranking score of 10 was confirmed with Brandon Powell of NMOCD and dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 1,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

1.3 Assessment and Mitigation

On July 3, 2013, Heather Woods and Jesse Christopherson of AES completed the initial release assessment field work. Upon arrival, the spray-on liner inside the secondary containment was observed to be detaching from the steel wall containment and also appeared to be cut away from the two condensate tanks within the containment. A secondary poly-liner was observed beneath the two condensate tanks; however, visual verification of integration of the poly-liner with the spray-on liner was not possible. The initial assessment included the collection of soil samples from ten borings (SB-1 through SB-10) advanced diagonally inward from the outside edge of the secondary containment under the lined area inside the secondary containment berm and within the misted area. Soil borings were terminated on shallow sandy shale and sandstone. Initial assessment sample locations and results are included on Tables 1 and 2 and on Figure 3.

On July 10, 2013, Enterprise contractors removed approximately four yards of impacted soil from the misted area northwest of the containment area and stained areas along the outside edge of the steel wall containment. AES returned to the location on July 12, 2013, to collect soil samples from seven soil borings (SB-11 through SB-17) and two confirmation composite samples (SC-1 and SC-2). Soil boring SB-11 was advanced in the area created by the detachment of the spray-on liner from the steel wall containment. Soil boring SB-13 was advanced through a hole cut into the liner near the western condensate tank.

On July 24, 2013, Enterprise contractors removed the spray-on liner from the secondary containment. Staining of the soils was observed between the two tanks extending from

the north wall to the south wall of the steel wall containment, continuing eastward on the south side of the eastern tank toward the below grade tank (BGT). AES collected soil samples from two soil borings (SB-18 and SB-19) and two confirmation composite samples (SC-3 and SC-4).

On July 30 and August 2, 2013, approximately 120 barrels of impacted soils were excavated from inside the steel wall containment and along the footers of the steel wall containment on the north and west sides of the containment area using a hydro-excavation truck. Soils were removed to competent sandy shale or sandstone ranging from 0.25 to 1.25 feet bgs, except for the area immediately adjacent to the BGT, which was removed to a depth of approximately 4 to 6 feet bgs. Following excavation, AES collected four confirmation composite samples (SC-5 through SC-8). Further excavation was limited by the competent sandy shale and sandstone as well as by the facility equipment. On August 14, 2013, 500 gallons of Micro-Blaze® was applied to the excavation by Envirotech, Inc (Envirotech). The excavation was backfilled with clean fill, and impacted soil was transported to Envirotech Landfarm for proper disposal. Continued assessment soil sample locations and results are included on Tables 1 and 2 and on Figure 4. A photograph log and bills of lading are included in the Appendix.

2.0 Soil Sampling

A total of 34 soil samples were collected from 19 soil borings (SB-1 through SB-19), and 8 confirmation composite samples (SC-1 through SC-8) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for TPH. Seven samples collected from soil borings SB-4, SB-5, SB-8, SB-11, and SB-13 and six samples (SC-1, SC-2 and SC-5 through SC-8) from the final excavation were submitted for confirmation laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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.

2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per 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*.

2.2 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 were laboratory analyzed for:

- TPH as GRO, DRO, and motor oil range organics (MRO) per U.S. Environmental Protection Agency (USEPA) Method 8015D.

Samples SB-4, SB-5, and SB-8 were also analyzed for:

- BTEX per USEPA Method 8021B.

2.3 Field Screening and Laboratory Analytical Results

Release assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in several samples up to 1,497 ppm in SB-4. Field TPH concentrations ranged from 66.2 mg/kg in SB-16 to greater than 5,000 mg/kg in several samples. Results are included in Table 1 and on Figures 3 and 4.

Laboratory analytical results were used to confirm field screening results during the assessment and excavation activities. Benzene concentrations were reported below the laboratory detection limit in the four samples analyzed (SB-4 at 0.5 and 3.5 feet, SB-5, and SB-8). Total BTEX concentrations ranged from less than 0.23 mg/kg in SB-4 at 3.5 feet up to 15 mg/kg in SB-4 at 0.5 feet. TPH concentrations as GRO/DRO/MRO ranged from below laboratory detection limits in SC-1 and SC-2 up to 12,690 mg/kg in SC-6. Results are presented in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

3.0 Conclusions and Recommendations

On July 3 through August 2, 2013, AES conducted an assessment associated with a release of natural gas condensate and oil from the Ballard Compressor Station condensate tank. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Based on visual observations of detachment of the spray-on liner from the steel wall containment and no visual confirmation of the integration of the poly-liner to the spray-on liner beneath the two condensate tanks, soil borings were advanced diagonally

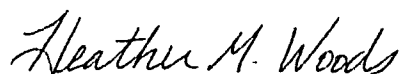
inward from outside the steel wall containment to confirm possible soil impacts below the liner. Soil borings were also advanced within the misted area outside the steel wall containment and stained areas along the steel wall footers to assess the depth of impacted soils.

Field screening results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in SB-4, SB-5, and SB-8 from the initial assessment on July 3, 2013. Following impacted soil removal from the misted area northwest of the containment area on July 10, 2013, field screening of confirmation composite samples SC-1 and SC-2 showed VOCs below the NMOCD action level, and laboratory analytical results showed TPH concentrations below the 1,000 mg/kg action level for both samples. Additional soil borings inside the steel wall containment areas (SB-11 and SB-13) indicated possible impact to the soil beneath the spray-on liner.

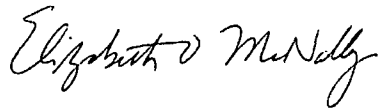
Removal of the spray-on liner on July 24, 2013, confirmed impact to the soils beneath the liner. Impacted soils were removed using a hydro-excavator to competent sandy shale and sandstone in the impacted areas between the two condensate tanks (south of the eastern tank toward the BGT) and along the steel wall footers on the north and west sides of the steel containment. Soil samples (SC-5 through SC-8) from the final excavation were collected, and field screening results above the NMOCD action level of 100 ppm were reported in SC-5 (247 ppm), SC-6 (119 ppm), and SC-8 (153 ppm). Additionally, laboratory analytical results reported TPH as GRO/DRO/MRO concentrations exceeding the NMOCD action level of 1,000 mg/kg in SC-5 through SC-8, with the highest concentration of 12,690 mg/kg in SC-6. Further excavation was limited by the competent sandy shale and sandstone as well as by the presence of facility equipment. On August 14, 2013, 500 gallons of Micro-Blaze® was applied to the excavation by Envirotech prior to backfill with clean, imported fill.

Based on the field screening and laboratory analytical results for VOCs, TPH, benzene, and total BTEX, further action is recommended for the Ballard Compressor Station condensate tank release location during future facility reset or closure operations, when access to residual petroleum hydrocarbon impacted soils is possible. If you have any questions about this report or site conditions, please do not hesitate to contact me at (505) 564-2281.

Sincerely,



Heather M. Woods, P.G.
Project Manager



Elizabeth McNally, P.E.

Attachments:

Tables

- Table 1. Summary of Field Screening Results
- Table 2. Summary of Laboratory Analytical Results

Figures

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Figure 3. Initial Release Assessment Sample Locations and Results, July 2013
- Figure 4. Continued Assessment Sample Locations and Results, July and August 2013

Appendices

- Appendix A. Photograph Log
- Appendix B. Bills of Lading (Envirotech 44071, 44122, 44263, 44313, and 44339)
- Appendix C. Laboratory Analytical Reports (Hall 1307218, 1307611, and 1308128)

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Tanks Initial Release Assessment and Final Excavation Report 120913.docx

TABLE 1: SUMMARY OF FIELD SCREENING RESULTS
Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release
San Juan County, New Mexico

Sample ID	Date Sampled	Depth (ft)	OVM - PID (ppm)	Field TPH (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
Sample Method			--	EPA Method 418.1				
NMOCD Action Level			100	1,000				
SB-1	3-Jul-13	0.5	15.5	Not Analyzed for TPH				
SB-2	3-Jul-13	1	4.7	Not Analyzed for TPH				
SB-3	3-Jul-13	1	24.5	Not Analyzed for TPH				
SB-4	3-Jul-13	0.5	1,497	Not Analyzed for TPH				
		1.5	24.9	Not Analyzed for TPH				
		3	4.7	Not Analyzed for TPH				
		3.5	134	Not Analyzed for TPH				
SB-5	3-Jul-13	0.5	433	Not Analyzed for TPH				
		1.5	7.5	Not Analyzed for TPH				
		3	3.5	Not Analyzed for TPH				
SB-6	3-Jul-13	1	5.5	Not Analyzed for TPH				
		2.5	5.0	Not Analyzed for TPH				
SB-7	3-Jul-13	0.5	2.1	Not Analyzed for TPH				
SB-8	3-Jul-13	Surface	474	Not Analyzed for TPH				
		0.5	349	Not Analyzed for TPH				
SB-9	3-Jul-13	0.5	51.3	Not Analyzed for TPH				
SB-10	3-Jul-13	0.5	17.3	Not Analyzed for TPH				
SB-11	12-Jul-13	1	0.1	558	10:53	20.0	1	KC
		2	0.0	91.8	12:04	20.0	1	KC
SB-12	12-Jul-13	1	64.5	1,250	10:55	20.0	1	KC
		2	0.5	86.1	12:09	20.0	1	KC
SB-13	12-Jul-13	1	1.1	311	10:57	20.0	1	KC
		2	0.0	120	12:11	20.0	1	KC
		3	0.0	Not Analyzed for TPH				
SB-14	12-Jul-13	1	1,340	>2,500	10:59	20.0	1	KC
		2	14.2	Not Analyzed for TPH				
		4	0.0	80.4	12:07	20.0	1	KC
SB-15	12-Jul-13	1	2.5	94.7	11:22	20.0	1	HW
SB-16	12-Jul-13	1	1.4	66.2	11:24	20.0	1	HW
SB-17	12-Jul-13	1	0.3	115	11:19	20.0	1	HW
SB-18	24-Jul-13	0.25	260	>5,000	15:01	40.0	1	HW
		0.75	110	5,040	15:36	40.0	1	HW
SB-19	24-Jul-13	0.5	335	>5,000	15:05	40.0	1	HW
		1.5	215	>5,000	15:39	40.0	1	HW

TABLE 1: SUMMARY OF FIELD SCREENING RESULTS
Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release
San Juan County, New Mexico

Sample ID	Date Sampled	Depth (ft)	OVM - PID (ppm)	Field TPH (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
Sample Method			--	EPA Method 418.1				
NMOCD Action Level			100	1,000				
SC-1	12-Jul-13	0 to 0.5	0.0	166	12:15	20.0	1	KC
SC-2	12-Jul-13	0 to 0.5	0.0	107	12:17	20.0	1	KC
SC-3	24-Jul-13	0.25	285	>5,000	15:39	40.0	1	HW
SC-4	24-Jul-13	0.25	164	>5,000	15:41	40.0	1	HW
SC-5	2-Aug-13	1 to 6	247	<i>Not Analyzed for TPH</i>				
SC-6	2-Aug-13	0.5 to 1.25	119	<i>Not Analyzed for TPH</i>				
SC-7	2-Aug-13	0.25 to 0.75	92.1	<i>Not Analyzed for TPH</i>				
SC-8	2-Aug-13	0.25 to 0.5	153	<i>Not Analyzed for TPH</i>				

Notes: DF - Dilution factor
PQL - Not detected at the reporting limit
> - Analyte detected above the listed method limit

Analysts:

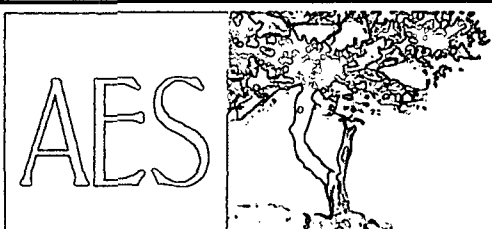
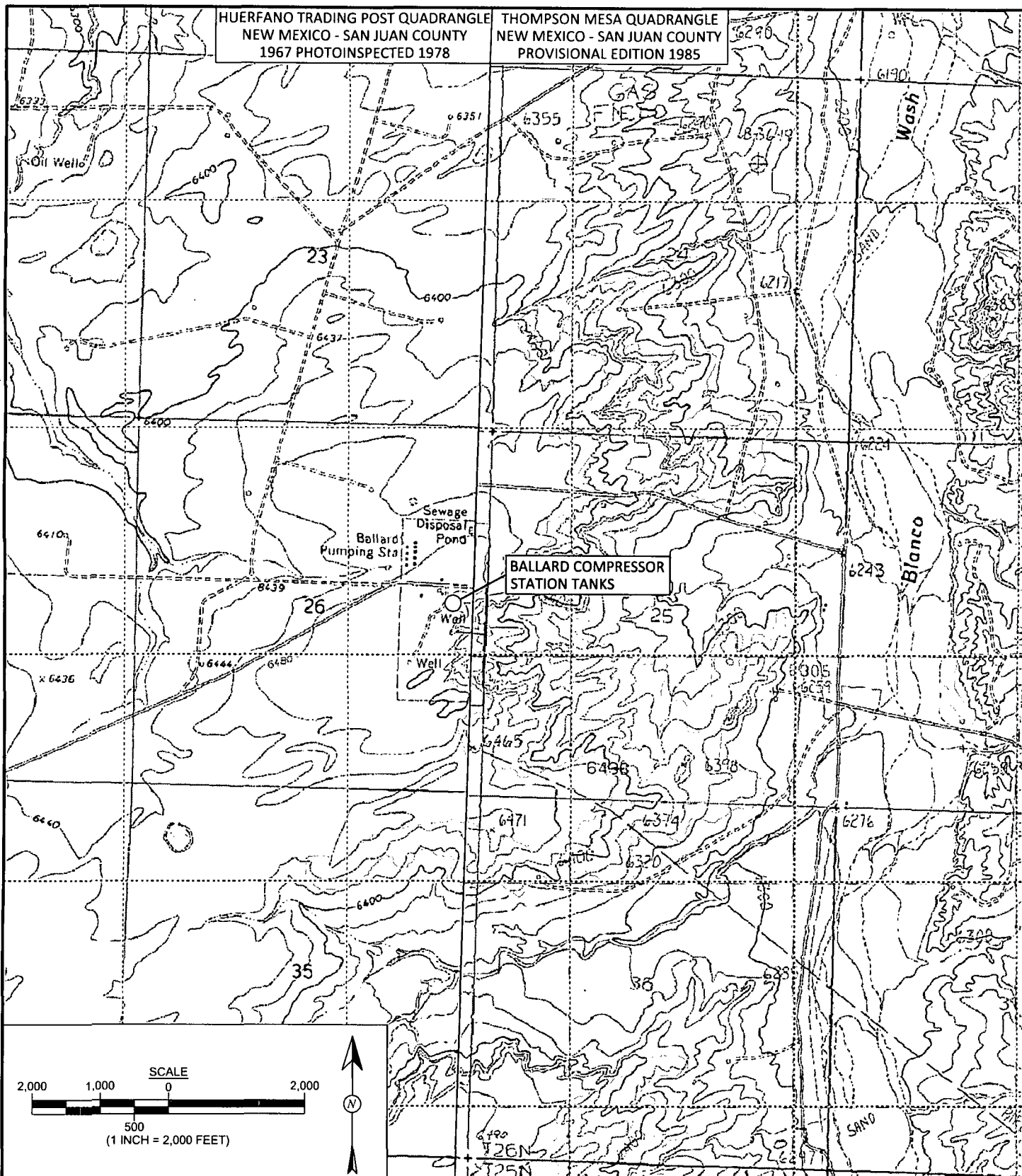
Heather M Woods

Kelany Christman

TABLE 2: SUMMARY OF LABORATORY ANALYTICAL RESULTS
Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release
San Juan County, New Mexico

Sample ID	Date Sampled	Depth (ft)	Benzene	Total BTEX	TPH - GRO	TPH - DRO	TPH - MRO
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Sample Method			EPA Method 8021B		EPA Method 8015D		
NMOCD Action Level			10	50	1,000		
SB-4	3-Jul-13	0.5	<0.48	15	880	4,000	2,400
		3.5	<0.046	<0.23	6.1	69	61
SB-5	3-Jul-13	0.5	<0.048	0.5	84	530	590
SB-8	3-Jul-13	0.5	<0.24	1.0	130	1,800	1,400
SB-11	12-Jul-13	1	NA	NA	<4.6	15	57
SB-13	12-Jul-13	1	NA	NA	<4.6	<10	130
		2	NA	NA	<4.8	<9.9	86
SC-1	12-Jul-13	0 to 0.5	NA	NA	<4.8	<10	<50
SC-2	12-Jul-13	0 to 0.5	NA	NA	<4.8	<10	<50
SC-5	2-Aug-13	1 to 6	NA	NA	800	3,400	1,600
SC-6	2-Aug-13	0.5 to 1.25	NA	NA	790	8,000	3,900
SC-7	2-Aug-13	0.25 to 0.75	NA	NA	1,200	6,900	3,300
SC-8	2-Aug-13	0.25 to 0.5	NA	NA	600	2,600	1,600

Notes: **NA - Not Analyzed**
 < - Analyte not detected above the listed method limit



Animas Environmental Services, LLC

DRAWN BY:

C. Lameman

DATE DRAWN:

July 15, 2013

REVISIONS BY:

C. Lameman

DATE REVISED:

July 15, 2013

CHECKED BY:

H. Woods

DATE CHECKED:

July 15, 2013

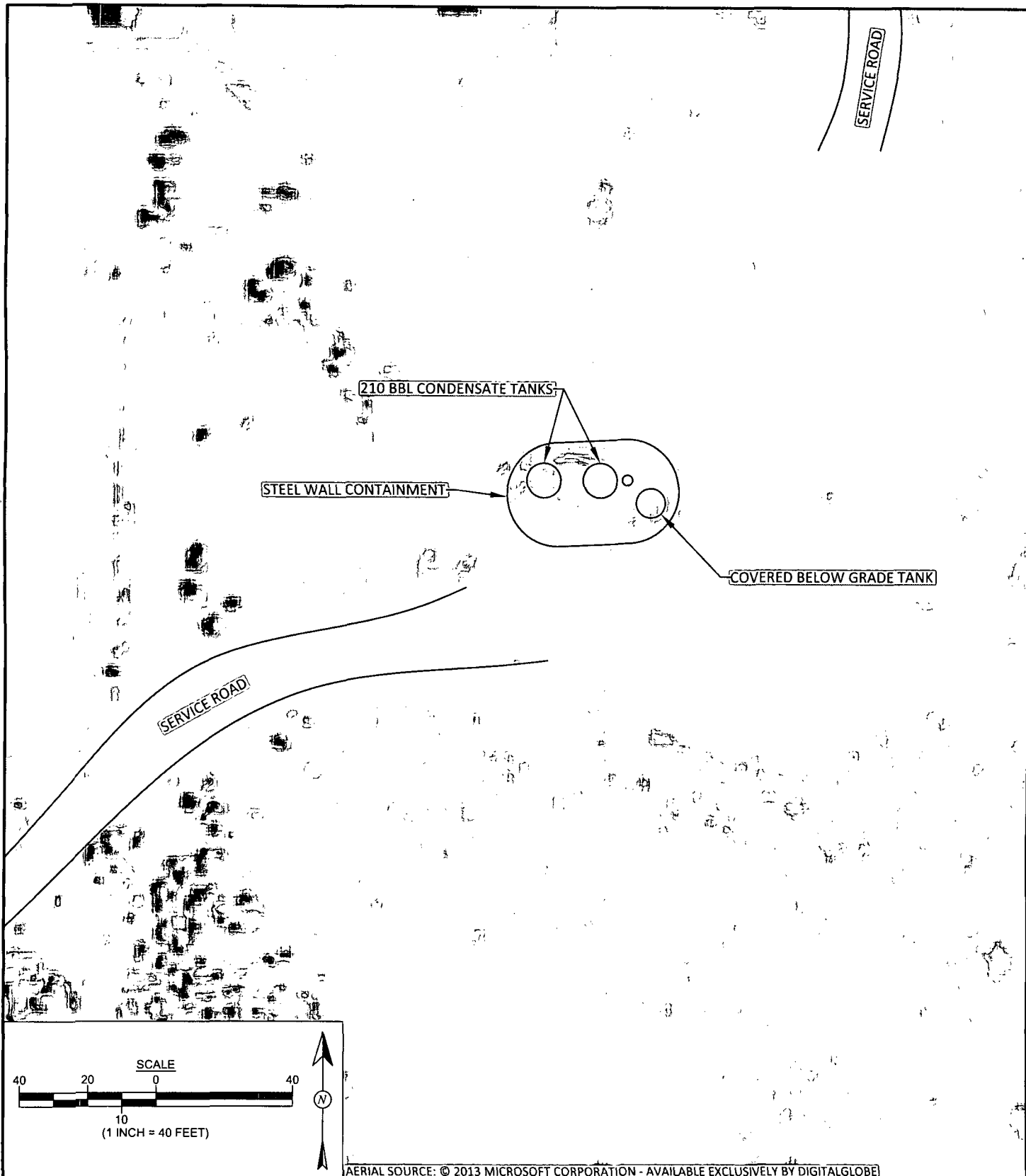
APPROVED BY:

E. McNally

DATE APPROVED:

July 15, 2013

TOPOGRAPHIC SITE LOCATION MAP
ENTERPRISE FIELD SERVICES, LLC
BALLARD COMPRESSOR STATION
CONDENSATE TANK RELEASE
SE¼ NE¼, SECTION 26, T26N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.45949, W107.75164

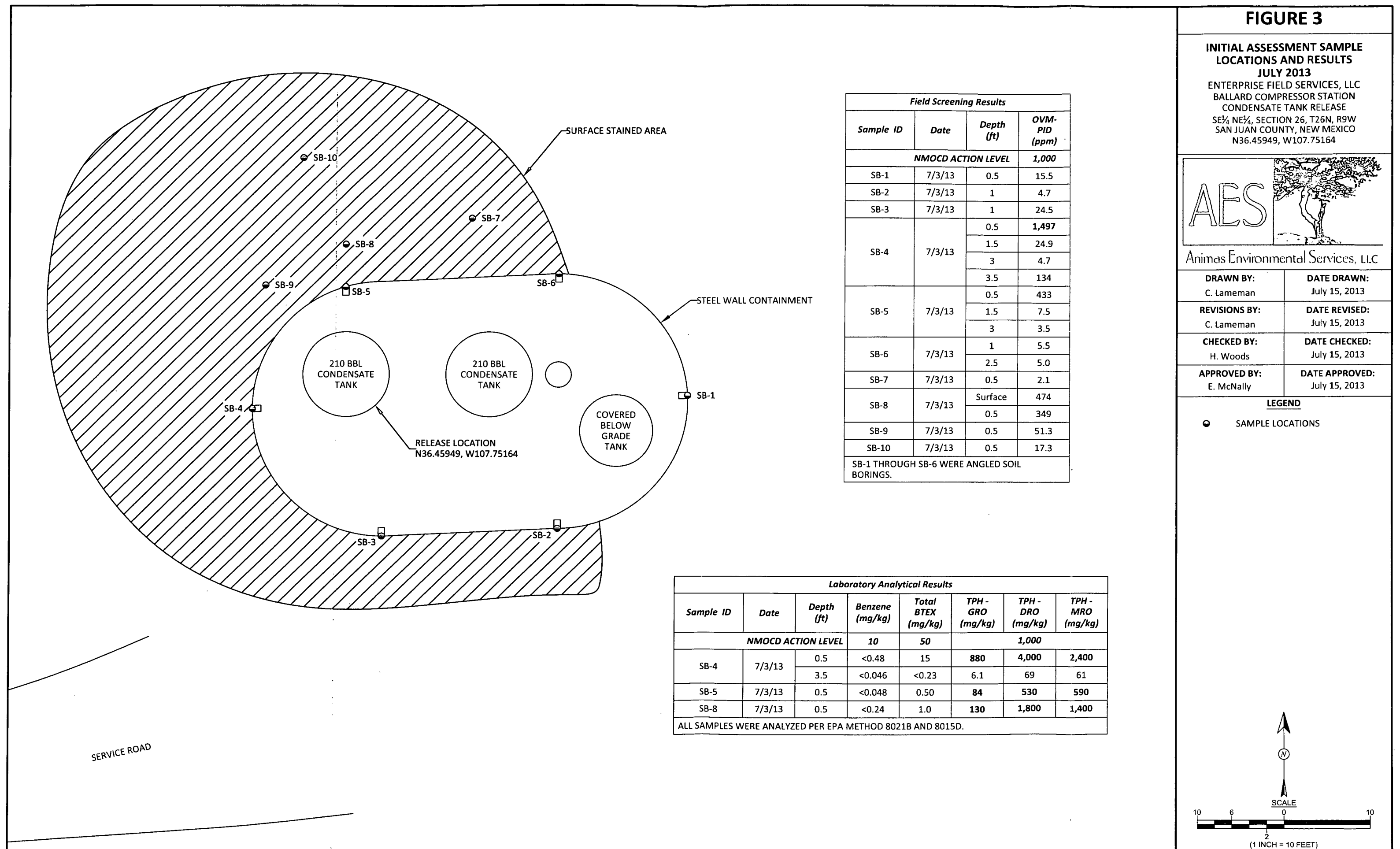


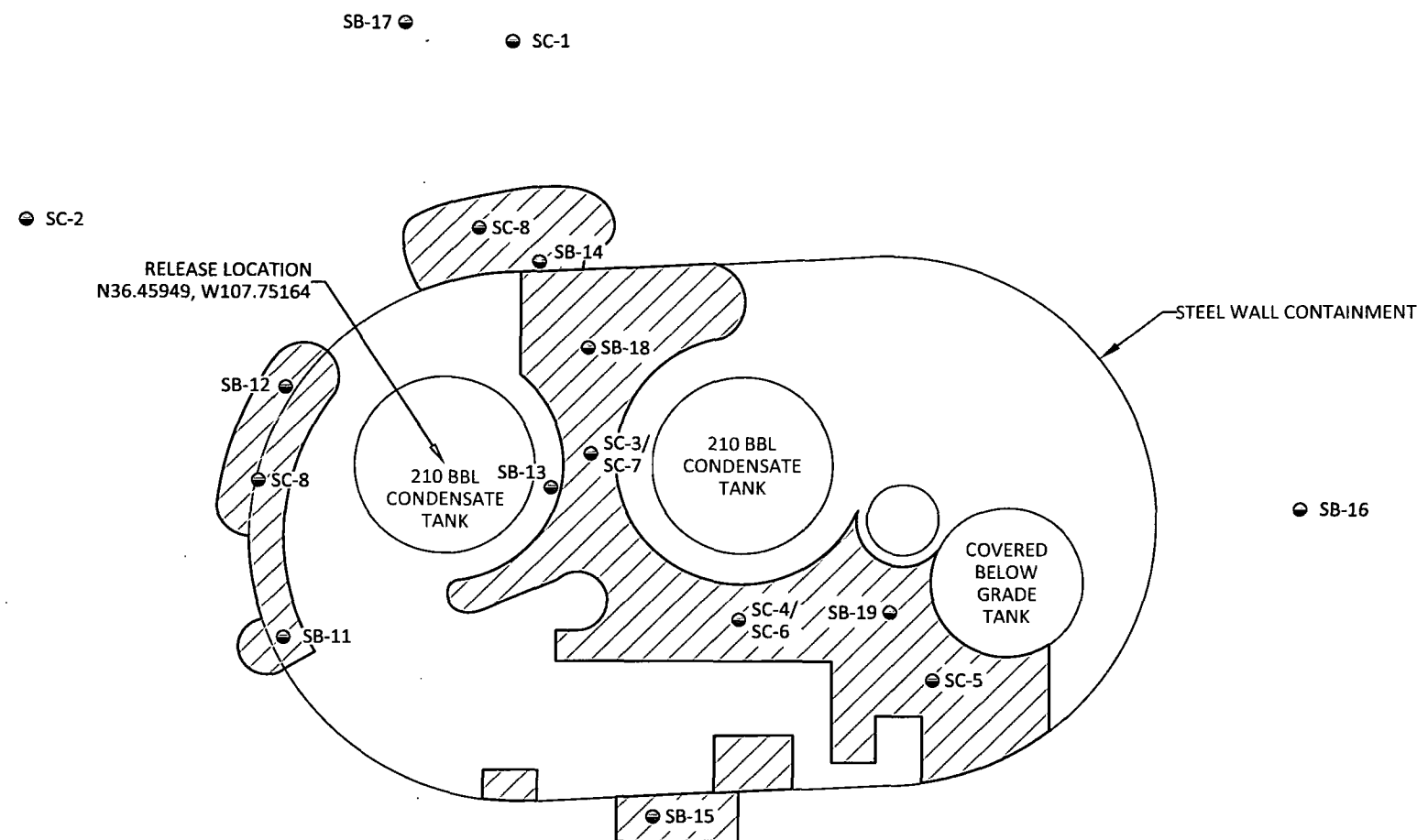
Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 15, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 15, 2013
CHECKED BY: H. Woods	DATE CHECKED: July 15, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 15, 2013

FIGURE 2

AERIAL SITE MAP
 ENTERPRISE FIELD SERVICES, LLC
 BALLARD COMPRESSOR STATION
 CONDENSATE TANK RELEASE
 SE¼ NE¼, SECTION 26, T26N, R9W
 SAN JUAN COUNTY, NEW MEXICO
 N36.45949, W107.75164





Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	1,000
SB-11	7/12/13	1	0.1	558
		2	0.0	91.8
SB-12	7/12/13	1	64.5	1,250
		2	0.5	86.1
SB-13	7/12/13	1	1.1	311
		2	0.0	120
		3	0.0	NA
SB-14	7/12/13	1	1,340	>2,500
		2	14.2	NA
		4	0.0	80.4
SB-15	7/12/13	1	2.5	94.7
SB-16	7/12/13	1	1.4	66.2
SB-17	7/12/13	1	0.3	115
SB-18	7/24/13	0.25	260	>5,000
		0.75	110	5,040
SB-19	7/24/13	0.5	335	>5,000
		1.5	215	>5,000
SC-1	7/12/13	0 to 0.5	0.0	166
SC-2	7/12/13	0 to 0.5	0.0	107
SC-3	7/24/13	0.25	285	>5,000
SC-4	7/24/13	0.25	164	>5,000
SC-5	8/2/13	1 to 6	247	NA
SC-6	8/2/13	0.5 to 1.25	119	NA
SC-7	8/2/13	0.25 to 0.75	92.1	NA
SC-8	8/2/13	0.25 to 0.5	153	NA

SC-1 AND SC-2 ARE 10-POINT COMPOSITES. SC-3 THROUGH SC-8 ARE 5-POINT COMPOSITES. SC-5 THROUGH SC-7, SB-18, AND SB-19 WERE TERMINATED ON SANDY SHALE. NA - NOT ANALYZED

Laboratory Analytical Results					
Sample ID	Date	Depth (ft)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)
NMOCD ACTION LEVEL			1,000		
SB-11	7/12/13	1	<4.6	15	57
SB-13	7/12/13	1	<4.6	<10	130
		2	<4.8	<9.9	86
SC-1	7/12/13	0 to 0.5	<4.8	<10	<50
SC-2	7/12/13	0 to 0.5	<4.8	<10	<50
SC-5	8/2/13	1 to 6	800	3,400	1,600
SC-6	8/2/13	0.5 to 1.25	790	8,000	3,900
SC-7	8/2/13	0.25 to 0.75	1,200	6,900	3,300
SC-8	8/2/13	0.25 to 0.5	600	2,600	1,600

ALL SAMPLES WERE ANALYZED PER EPA 8015D.

FIGURE 4

**CONTINUED ASSESSMENT SAMPLE LOCATIONS AND RESULTS
JULY AND AUGUST 2013**
ENTERPRISE FIELD SERVICES, LLC
BALLARD COMPRESSOR STATION
CONDENSATE TANK RELEASE
SE¼, NE¼, SECTION 26, T26N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.45949, W107.75164



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: July 15, 2013
REVISIONS BY: C. Lameman	DATE REVISED: July 15, 2013
CHECKED BY: H. Woods	DATE CHECKED: July 15, 2013
APPROVED BY: E. McNally	DATE APPROVED: July 15, 2013

LEGEND

- SAMPLE LOCATIONS
- ▨ EXCAVATION AREAS

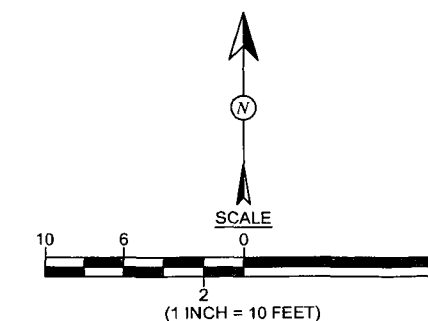
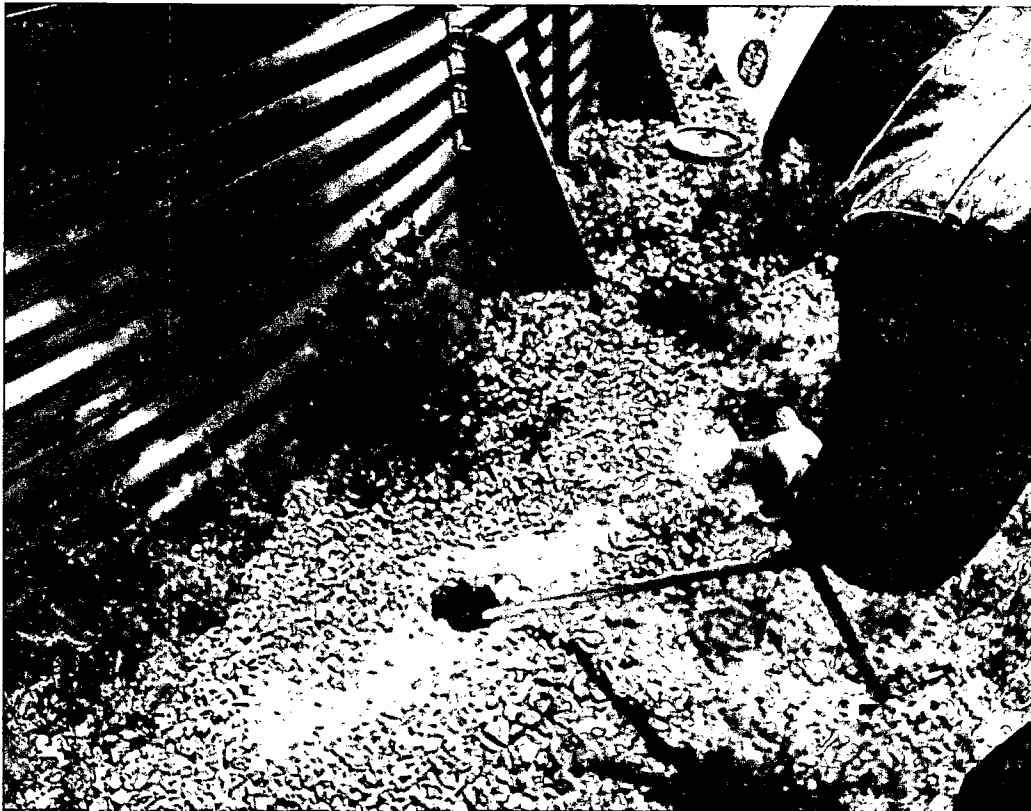


Photo #01

Date: 7/3/2013 11:34 AM



Description: View of soil bornig SB-3 showing method used to diagonally advance soil borings from the edge of the steel wall containment inwards under the spray on liner.

Photo #02

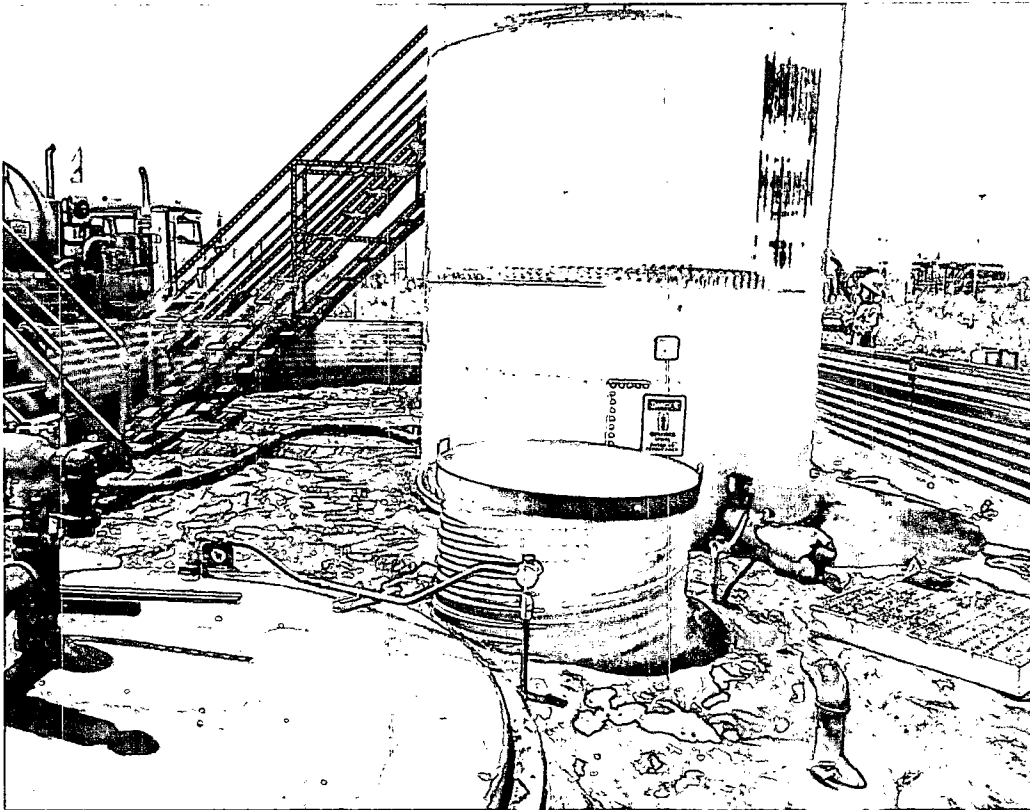
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Description: View looking west of misted area outside of the steel wall containment.

Photo #03

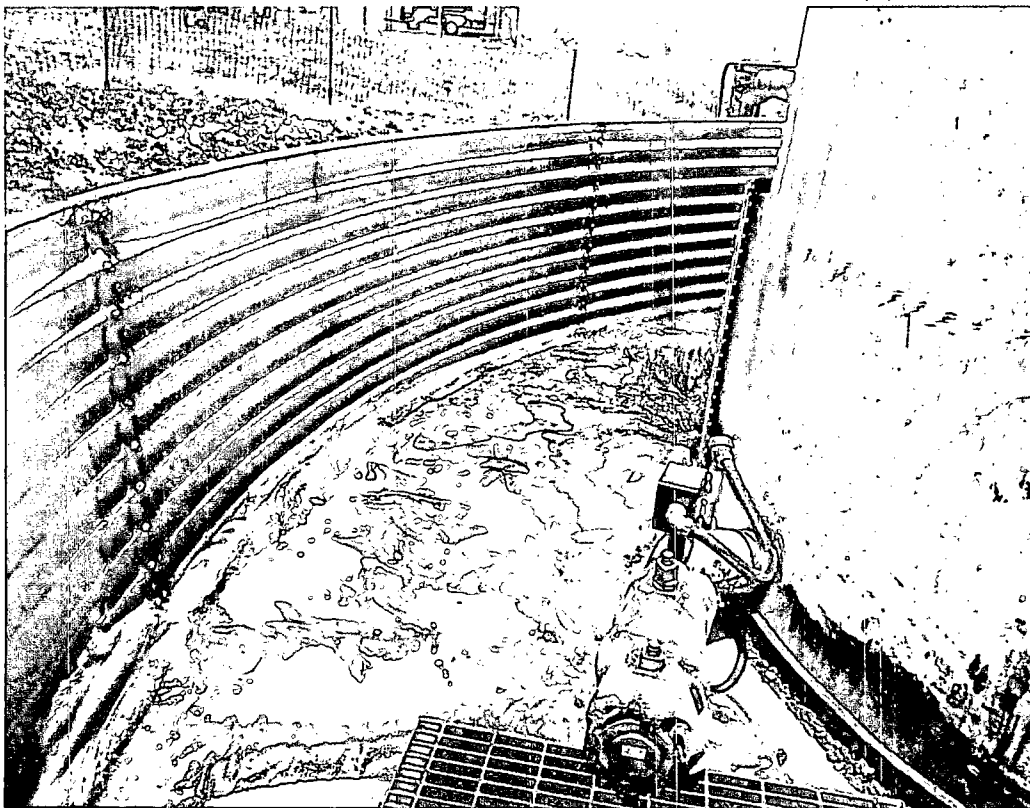
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Description: View looking west inside the containment area following wash down of tank and liner.

Photo #04

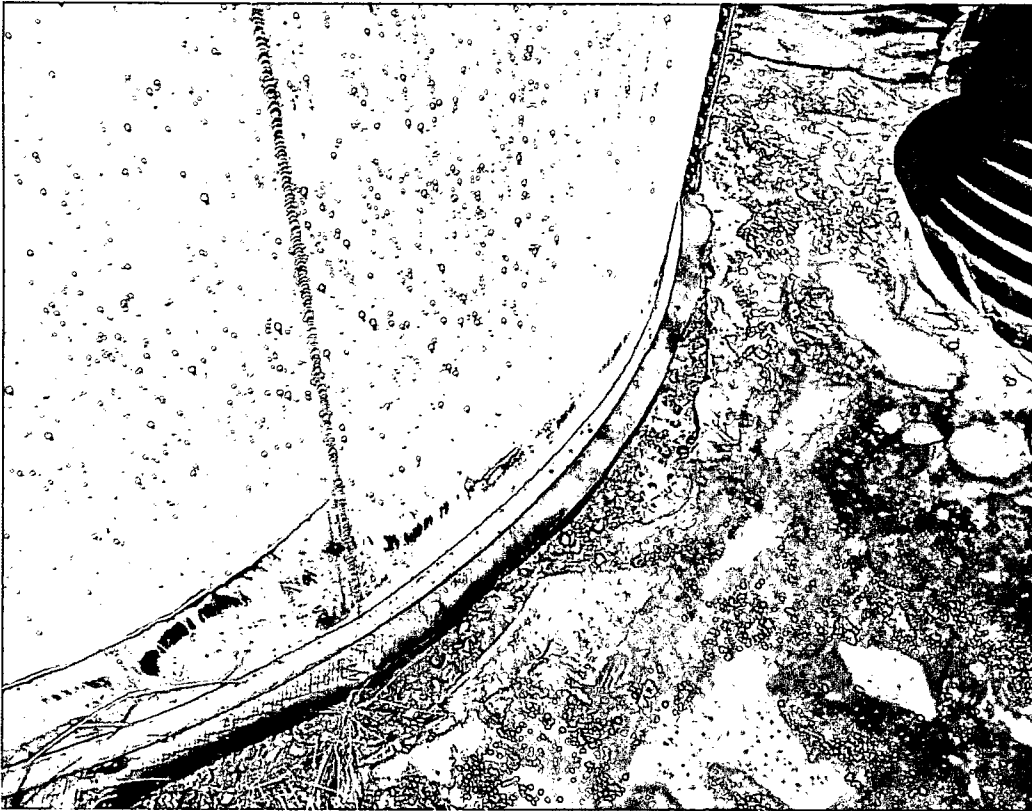
Date: 7/3/2013 1:26 PM



Description: View looking north of west tank and liner.

Photo #05

Date: 7/3/2013 1:26 PM



Description: Example of spray on liner near the condensate tanks. Poly-liner is located beneath gravel layer under the tanks.

Photo #06

Date: 7/12/2013 11:10 AM



Description: View looking north of misted area after clean up.

Photo #07

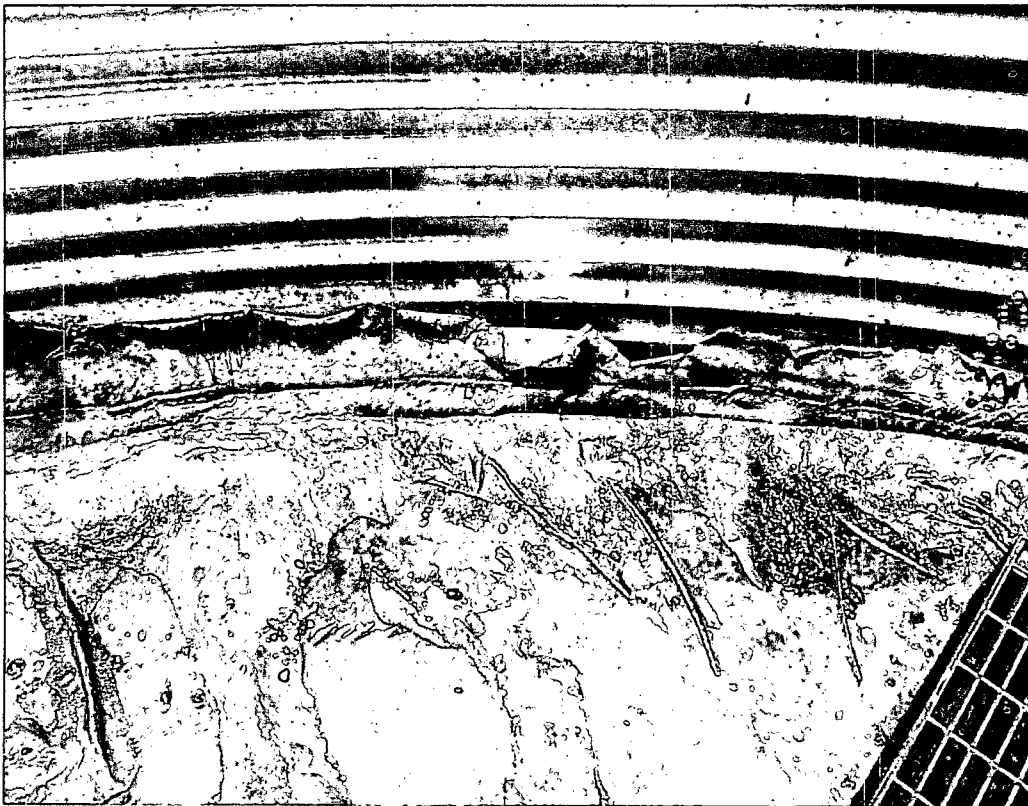
Date: 7/12/2013 12:27 PM



Description: View of soil boring SB-13 and cut made into liner near western tank.

Photo #08

Date: 7/12/2013 12:30 PM



Description: View of spray on liner detachment from steel wall containment along western wall.

Photo #09

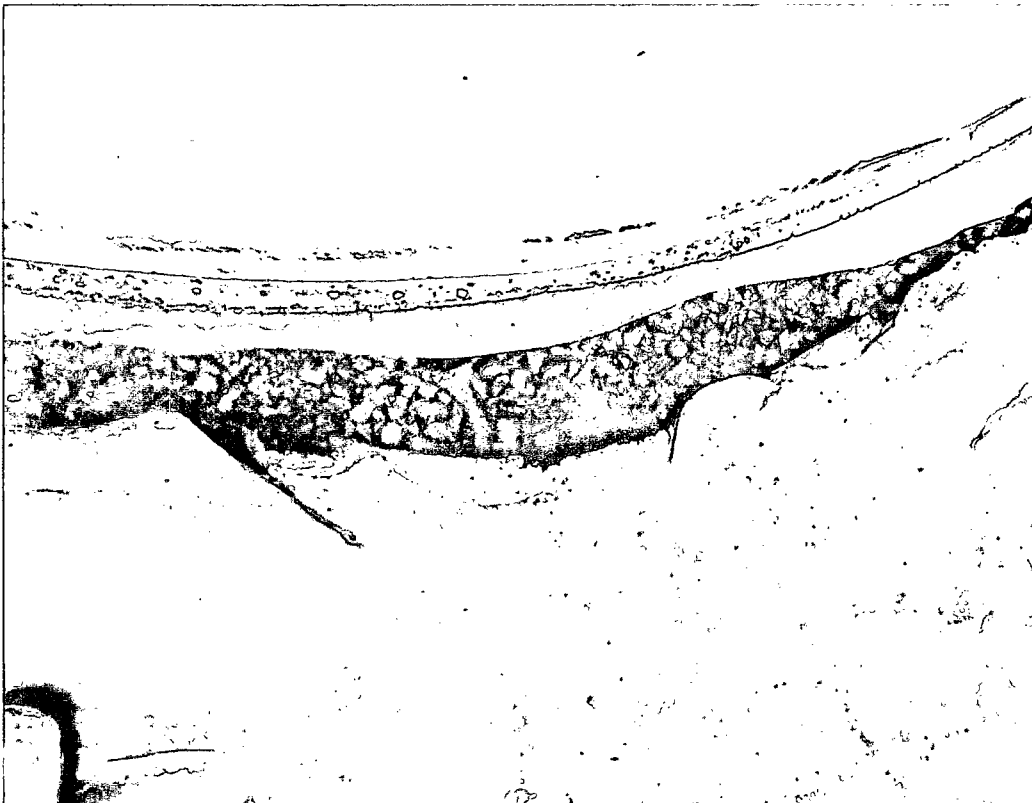
Date: 7/12/2013 12:30 PM



Description: View of soil boring SB-11 advanced between the spray on liner and the steel wall containment.

Photo #10

Date: 7/12/2013 12:31 PM



Description: Example of poly-liner beneath gravel layer under the condensate tanks.

Photo #11

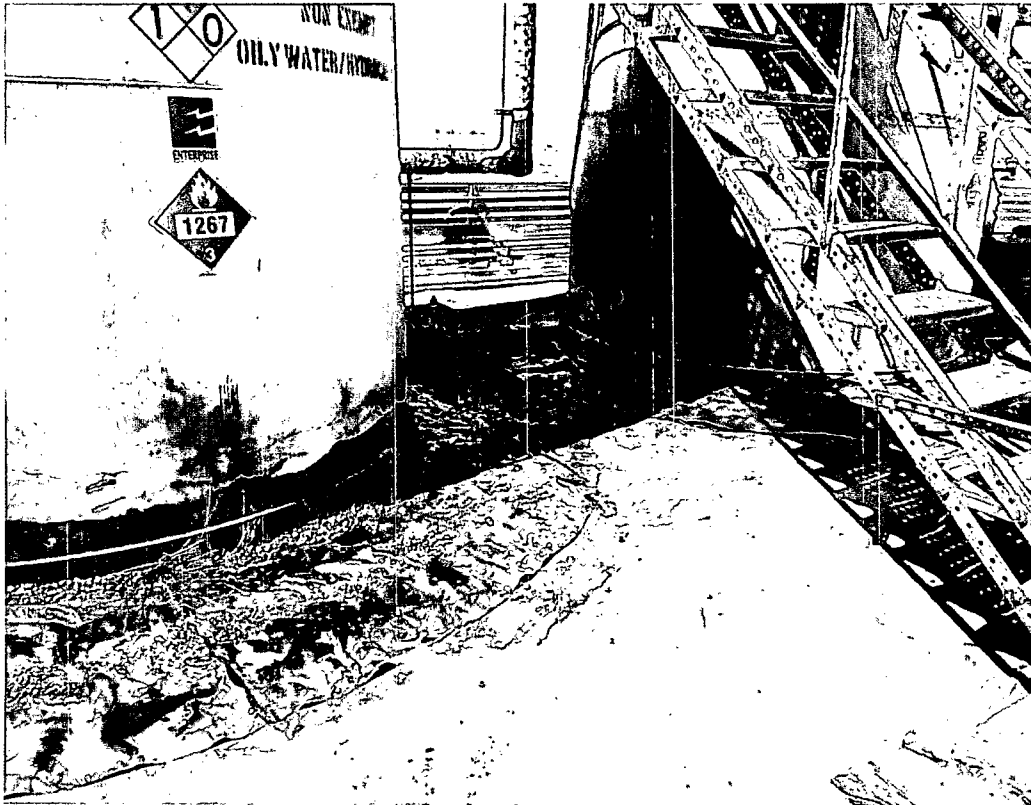
Date: 7/24/2013 3:51 PM



Description: View looking east of stained soils after spray on liner removal.

Photo #12

Date: 7/24/2013 3:51 PM



Description: View looking northeast of stained soils between condensate tanks after spray on liner removal.

Photo #13

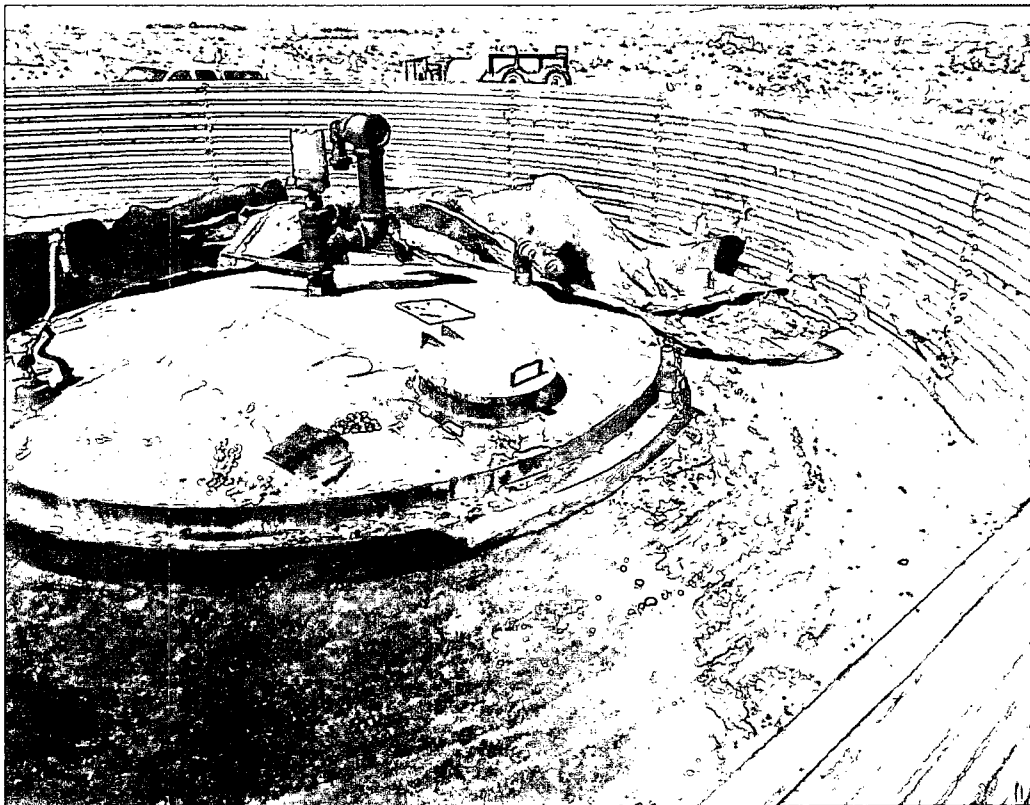
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Description: View looking north of stained soils after spray on liner removal.

Photo #14

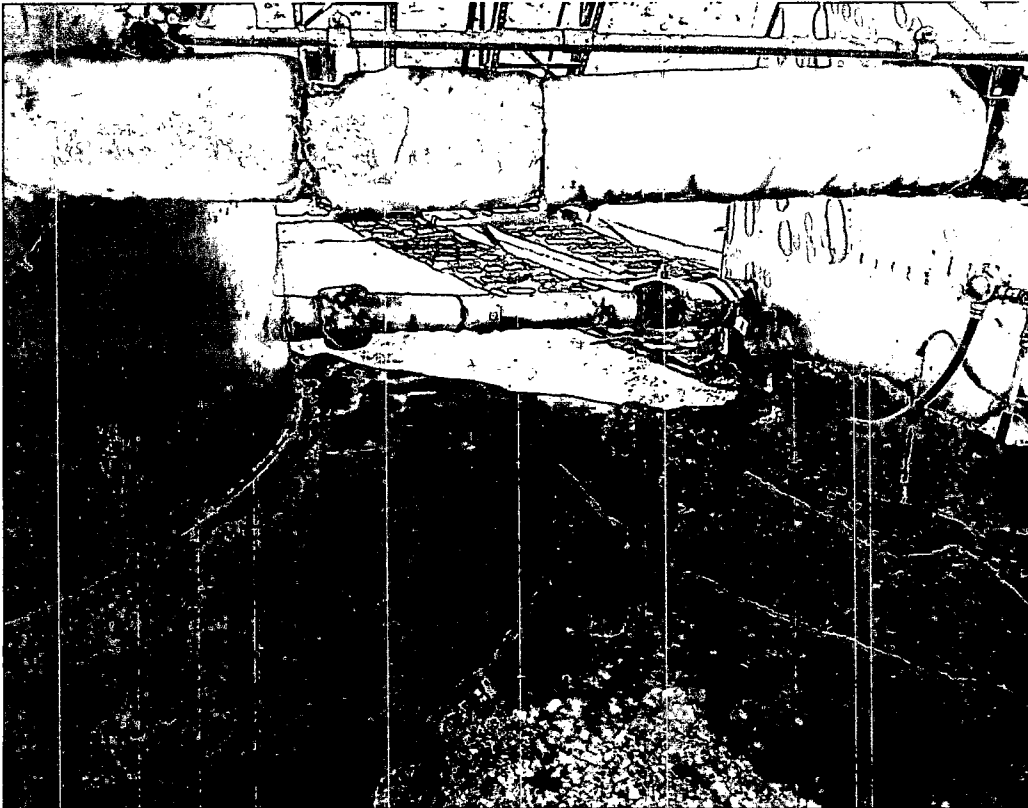
Date: 7/24/2013 3:51 PM



Description: View looking northeast of stained soils following removal of spray on liner.

Photo #15

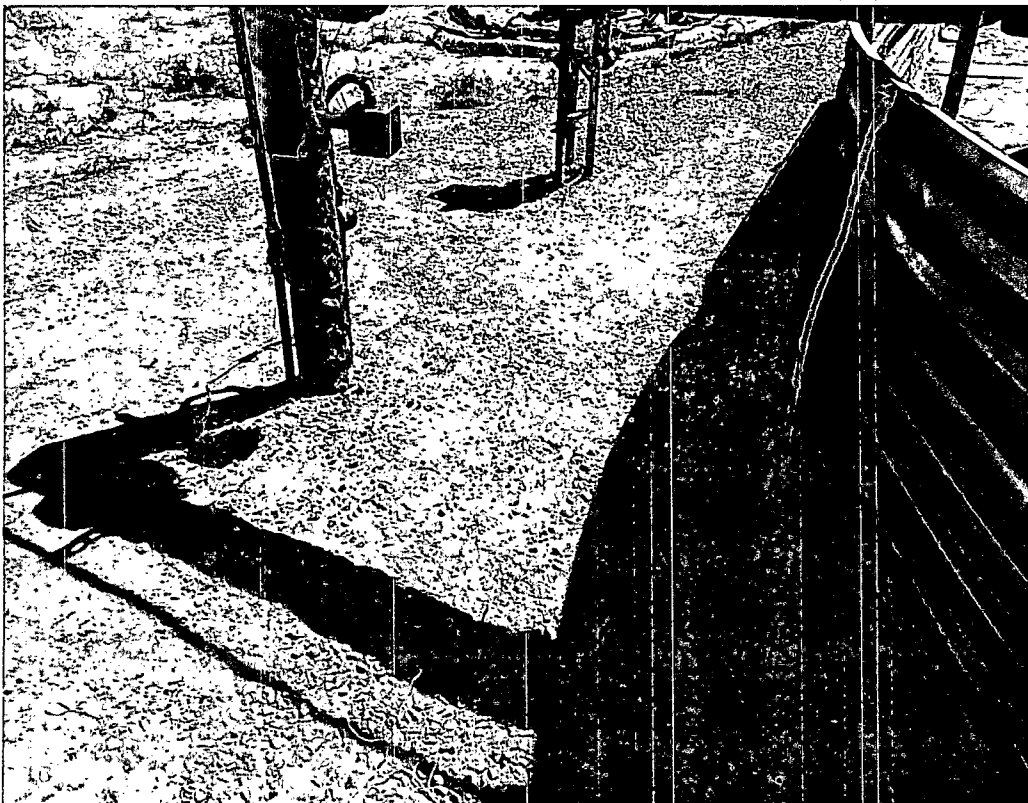
Date: 7/30/2013 11:03 AM



Description: View looking south of stained soils between the condensate tanks following removal of the spray on liner.

Photo #16

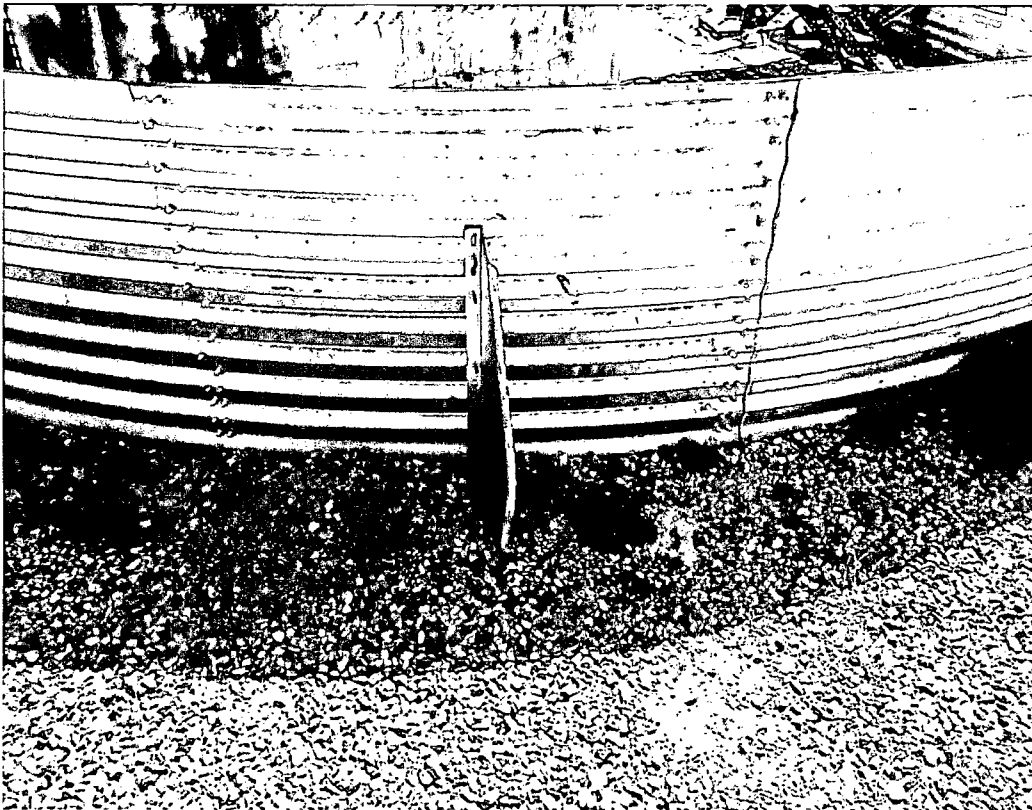
Date: 7/30/2013 11:04 AM



Description: View looking east of stained soils along the north side of the steel wall containment.

Photo #17

Date: 7/30/2013 11:04 AM



Description: View looking east of stained soils along the west side of the steel wall containment.

Photo #18

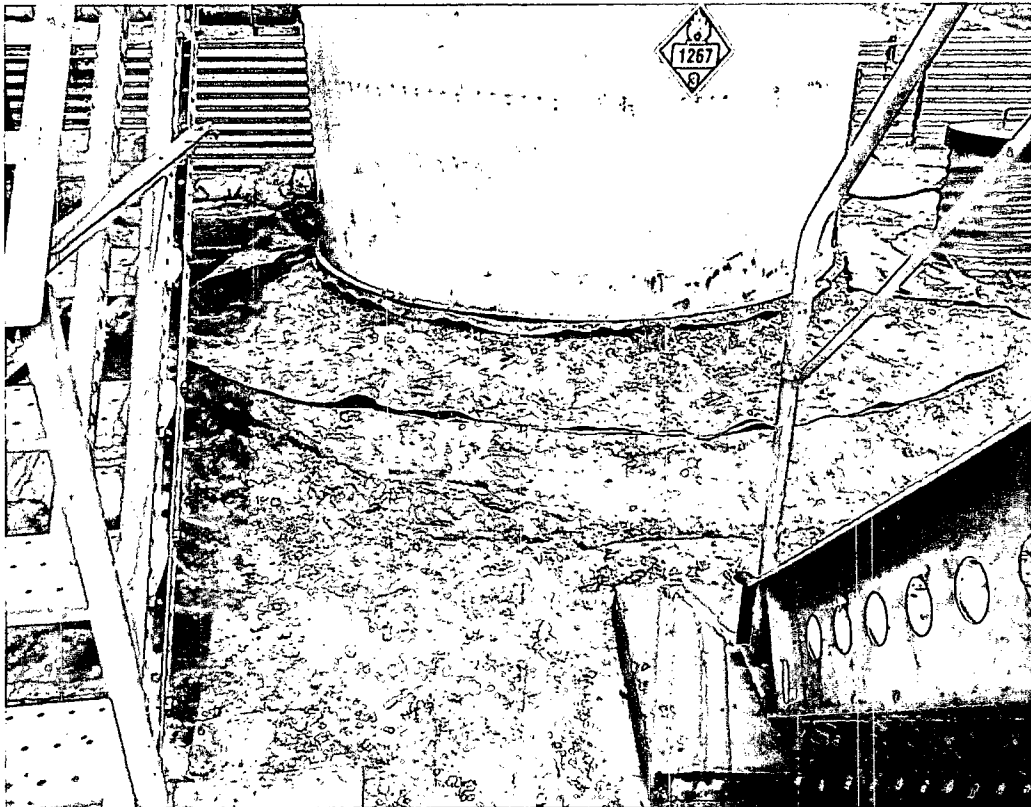
Date: 8/2/2013 12:42 PM



Description: View looking north of excavation at soil boring location SB-15 along the south side of the steel wall containment.

Photo #19

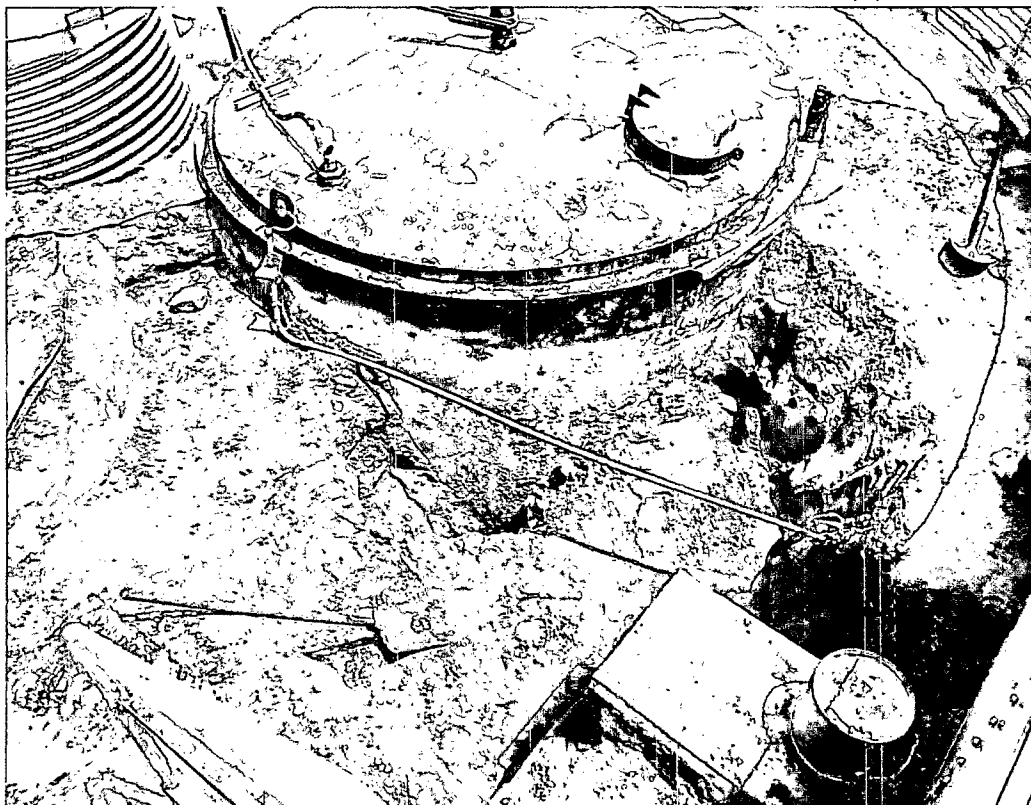
Date: 8/2/2013 12:43 PM



Description: View looking north of the excavation south of the eastern condensate tank.

Photo #20

Date: 8/2/2013 12:43 PM



Description: View looking northeast of the excavation southwest of the below grade tank.

Photo #21

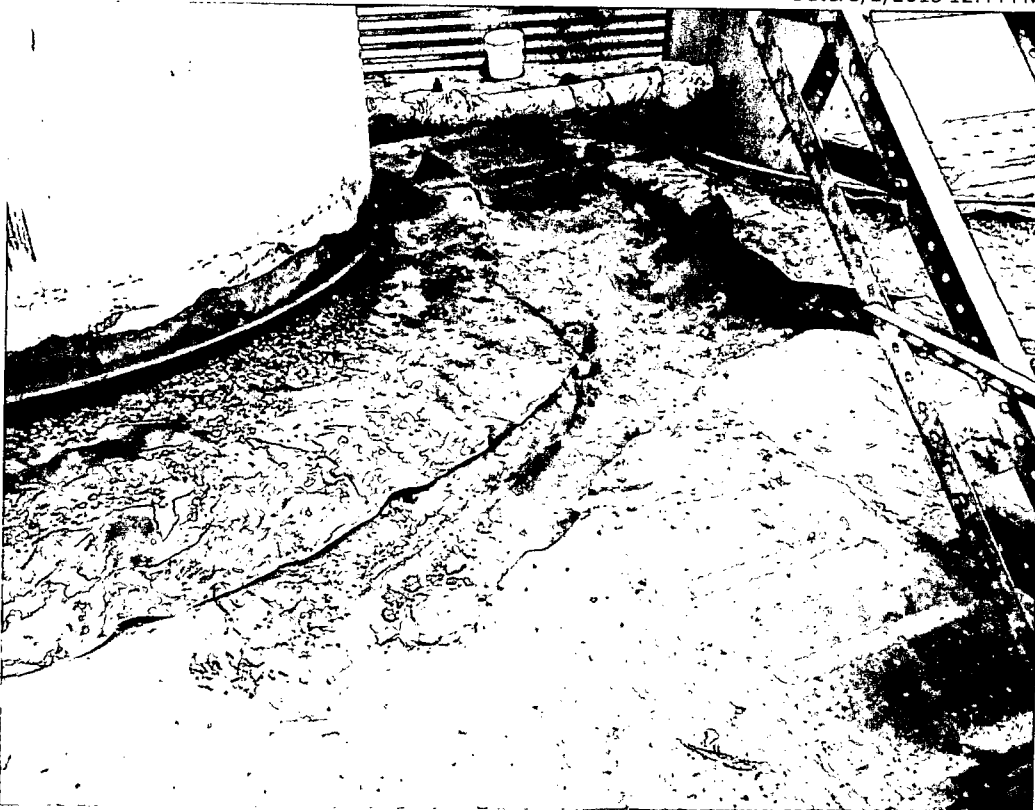
Date: 8/2/2013 12:43 PM



Description: View looking northwest of the excavation between the condensate tanks.

Photo #22

Date: 8/2/2013 12:44 PM



Description: View looking northeast of the excavation between the condensate tanks.

Photo #23

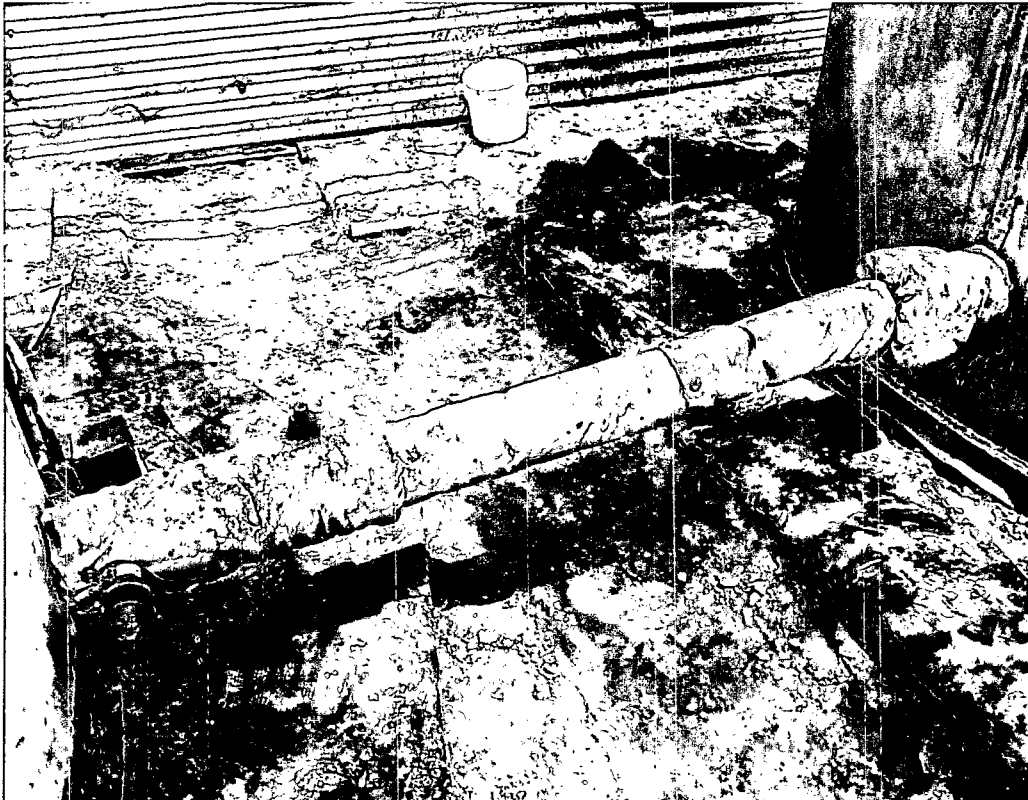
Date: 8/2/2013 12:44 PM



Description: View looking northwest of excavation extending from the western condensate tank west and north to the steel wall containment.

Photo #24

Date: 8/2/2013 12:44 PM



Description: View looking northeast of excavation between the two condensate tanks extending north along the steel wall containment.

Photo #25

Date: 8/2/2013 12:46 PM



Description: View looking east of excavation along the west side of the steel wall containment.

Photo #26

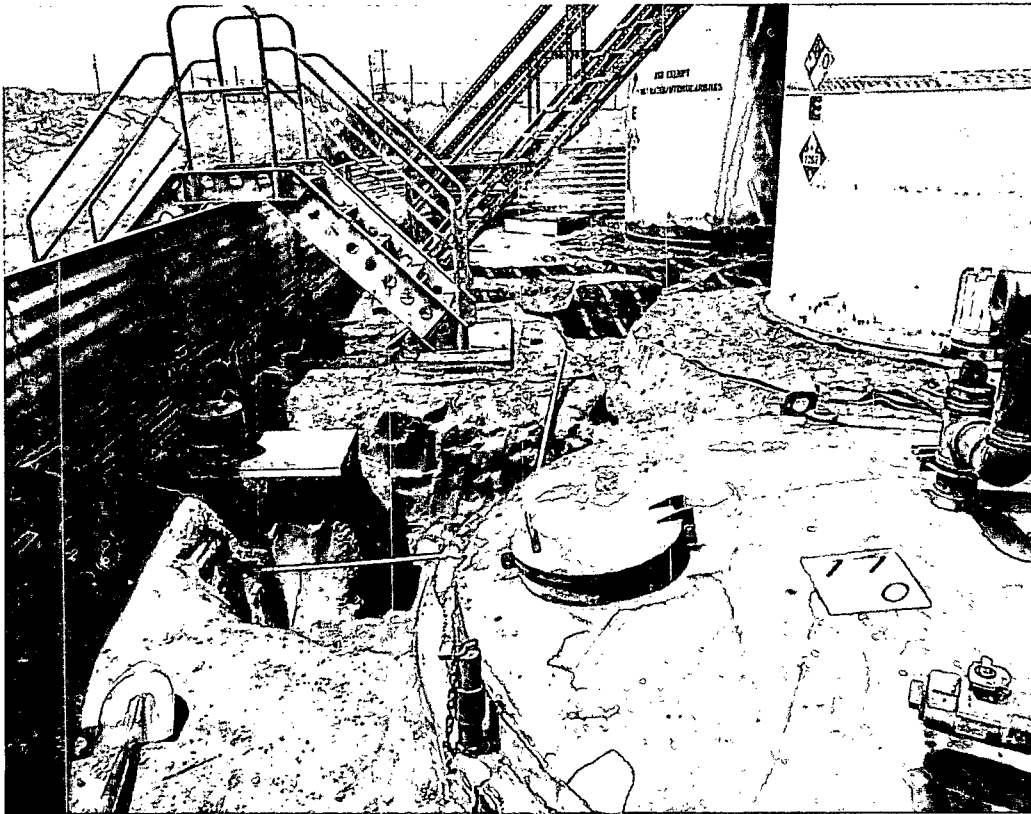
Date: 8/2/2013 12:46 PM



Description: View looking east of excavation along the north side of the steel wall containment.

Photo #27

Date: 8/2/2013 12:48 PM



Description: View looking west of excavation area inside the steel wall containment.



Bill of Lading

MANIFEST # 44263DATE 7-24-13 JOB # 97057-0572

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Enterprise BARRIO	BF	frank		—	5	Riley	19010	16:50	
2	condensate tank	"	Bothas		—	5	Riley	19010	16:50	
			WASH out							
						10				
RESULTS:			LANDFARM	NOTES:						
292	CHLORIDE TEST	1	EMPLOYEE:							
	PAINT FILTER TEST	1	Certification of above receipt & placement							

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

TRANSPORTER CO. Riley NAME Damen Yeager SIGNATURE
COMPANY CONTACT Kew Ranvey PHONE 505-320-9462 DATE 7-24-13

Signatures required prior to distribution of the legal document.



MANIFEST # 44313

DATE 7-30-13

JOB #

#97057-0572

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

TRANSPORTER CO. Riley NAME STEVEN D. SIGNATURE [Signature]
COMPANY CONTACT Ken Raymer PHONE _____ DATE 7-30-13

Signatures required prior to distribution of the legal document.



MANIFEST # 44339

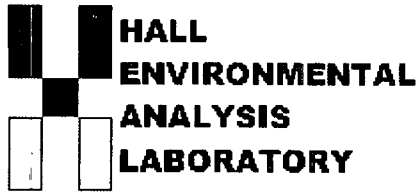
DATE 8-2-13 JOB # 11057-0572

[illegible]

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

TRANSPORTER CO. Riley NAME STEVEN PENNIS SIGNATURE [Signature]
COMPANY CONTACT Ken BAZAN PHONE _____ DATE 8-2-13

Signatures required prior to distribution of the legal document.



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

August 02, 2013

Ross Kennemer

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-1776
FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station Tanks

OrderNo.: 1307218

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 4 sample(s) on 7/5/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 11, 2013.

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".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307218

Date Reported: 8/2/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-4 @ 0.5

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/3/2013 12:14:00 PM

Lab ID: 1307218-001

Matrix: SOIL

Received Date: 7/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: JME		
Diesel Range Organics (DRO)	4000	99		mg/Kg	10	7/9/2013 1:35:38 PM	8241
Motor Oil Range Organics (MRO)	2400	500		mg/Kg	10	7/9/2013 1:35:38 PM	8241
Surr: DNOP	0	63-147	S	%REC	10	7/9/2013 1:35:38 PM	8241
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	880	48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Surr: BFB	668	80-120	S	%REC	10	7/9/2013 6:24:01 PM	8263
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Toluene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Ethylbenzene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Xylenes, Total	15	0.96		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Surr: 4-Bromofluorobenzene	125	80-120	S	%REC	10	7/9/2013 6:24:01 PM	8263

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307218

Date Reported: 8/2/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-4 @ 3.5

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/3/2013 12:25:00 PM

Lab ID: 1307218-002

Matrix: SOIL

Received Date: 7/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	69	9.9		mg/Kg	1	7/9/2013 5:10:39 PM	8241
Motor Oil Range Organics (MRO)	61	50		mg/Kg	1	7/9/2013 5:10:39 PM	8241
Surr: DNOP	92.5	63-147		%REC	1	7/9/2013 5:10:39 PM	8241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.1	4.6		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Surr: BFB	130	80-120	S	%REC	1	7/9/2013 12:40:12 PM	8263
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Toluene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Ethylbenzene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Xylenes, Total	ND	0.093		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Surr: 4-Bromofluorobenzene	97.8	80-120		%REC	1	7/9/2013 12:40:12 PM	8263

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307218

Date Reported: 8/2/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-5 @ 0.5

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/3/2013 12:35:00 PM

Lab ID: 1307218-003

Matrix: SOIL

Received Date: 7/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: JME		
Diesel Range Organics (DRO)	530	100		mg/Kg	10	7/9/2013 3:07:28 PM	8241
Motor Oil Range Organics (MRO)	590	500		mg/Kg	10	7/9/2013 3:07:28 PM	8241
Surr: DNOP	0	63-147	S	%REC	10	7/9/2013 3:07:28 PM	8241
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	84	4.8		mg/Kg	1	7/9/2013 1:08:45 PM	8263
Surr: BFB	621	80-120	S	%REC	1	7/9/2013 1:08:45 PM	8263
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263
Toluene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263
Ethylbenzene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263
Xylenes, Total	0.50	0.095		mg/Kg	1	7/9/2013 1:08:45 PM	8263
Surr: 4-Bromofluorobenzene	122	80-120	S	%REC	1	7/9/2013 1:08:45 PM	8263

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307218

Date Reported: 8/2/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-8 @ 0.5

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/3/2013 1:02:00 PM

Lab ID: 1307218-004

Matrix: SOIL

Received Date: 7/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS					Analyst: JME		
Diesel Range Organics (DRO)	1800	100		mg/Kg	10	7/9/2013 4:09:08 PM	8241
Motor Oil Range Organics (MRO)	1400	500		mg/Kg	10	7/9/2013 4:09:08 PM	8241
Surr: DNOP	0	63-147	S	%REC	10	7/9/2013 4:09:08 PM	8241
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB		
Gasoline Range Organics (GRO)	130	24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Surr: BFB	245	80-120	S	%REC	5	7/9/2013 1:37:24 PM	8263
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Toluene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Ethylbenzene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Xylenes, Total	1.0	0.48		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Surr: 4-Bromofluorobenzene	105	80-120		%REC	5	7/9/2013 1:37:24 PM	8263

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307218

02-Aug-13

Client: Animas Environmental Services

Project: Enterprise Ballard Compressor Station Tanks

Sample ID	MB-8241	SampType:	MBLK	TestCode:	EPA Method 8015D: Diesel Range Organics						
Client ID:	PBS	Batch ID:	8241	RunNo:	11802						
Prep Date:	7/5/2013	Analysis Date:	7/9/2013	SeqNo:	335329	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	7.0		10.00		70.0	63	147				

Sample ID	LCS-8241	SampType:	LCS	TestCode:	EPA Method 8015D: Diesel Range Organics						
Client ID:	LCSS	Batch ID:	8241	RunNo:	11802						
Prep Date:	7/5/2013	Analysis Date:	7/9/2013	SeqNo:	335513	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	55	10	50.00	0	109	77.1	128				
Surr: DNOP	4.1		5.000		82.8	63	147				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307218

02-Aug-13

Client: Animas Environmental Services
Project: Enterprise Ballard Compressor Station Tanks

Sample ID: MB-8263	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 8263	RunNo: 11819								
Prep Date: 7/8/2013	Analysis Date: 7/9/2013	SeqNo: 335955		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	910		1000		91.5	80	120			

Sample ID: LCS-8263	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 8263	RunNo: 11819								
Prep Date: 7/8/2013	Analysis Date: 7/9/2013	SeqNo: 335956		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	62.6	136			
Surr: BFB	970		1000		96.5	80	120			

Sample ID: 1307218-002AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SB-4 @ 3.5	Batch ID: 8263	RunNo: 11819								
Prep Date: 7/8/2013	Analysis Date: 7/9/2013	SeqNo: 335959		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	4.6	23.17	6.115	112	76	156			
Surr: BFB	1200		926.8		129	80	120			S

Sample ID: 1307218-002AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SB-4 @ 3.5	Batch ID: 8263	RunNo: 11819								
Prep Date: 7/8/2013	Analysis Date: 7/9/2013	SeqNo: 335960		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.6	23.17	6.115	108	76	156	2.49	17.7	
Surr: BFB	1100		926.8		123	80	120	0	0	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307218

02-Aug-13

Client: Animas Environmental Services

Project: Enterprise Ballard Compressor Station Tanks

Sample ID	MB-8263		SampType: MBLK	TestCode: EPA Method 8021B: Volatiles						
Client ID:	PBS		Batch ID: 8263	RunNo: 11819						
Prep Date:	7/8/2013		Analysis Date: 7/9/2013	SeqNo: 336005		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	80	120			

Sample ID	LCS-8263		SampType: LCS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	LCSS		Batch ID: 8263	RunNo: 11819						
Prep Date:	7/8/2013		Analysis Date: 7/9/2013	SeqNo: 336006		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	100	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID	1307218-003AMS		SampType: MS	TestCode: EPA Method 8021B: Volatiles						
Client ID:	SB-5 @ 0.5		Batch ID: 8263	RunNo: 11819						
Prep Date:	7/8/2013		Analysis Date: 7/9/2013	SeqNo: 336010		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.048	0.9524	0	116	67.3	145			
Toluene	1.1	0.048	0.9524	0.03263	114	66.8	144			
Ethylbenzene	1.2	0.048	0.9524	0	122	61.9	153			
Xylenes, Total	3.7	0.095	2.857	0.4958	113	65.8	149			
Surr: 4-Bromofluorobenzene	1.2		0.9524		125	80	120			S

Sample ID	1307218-003AMSD		SampType: MSD	TestCode: EPA Method 8021B: Volatiles						
Client ID:	SB-5 @ 0.5		Batch ID: 8263	RunNo: 11819						
Prep Date:	7/8/2013		Analysis Date: 7/9/2013	SeqNo: 336011		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.048	0.9515	0	107	67.3	145	7.71	20	
Toluene	1.0	0.048	0.9515	0.03263	105	66.8	144	8.80	20	
Ethylbenzene	1.1	0.048	0.9515	0	113	61.9	153	7.87	20	
Xylenes, Total	3.4	0.095	2.854	0.4958	103	65.8	149	7.80	20	
Surr: 4-Bromofluorobenzene	1.2		0.9515		123	80	120	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Anlmas Environmental

Work Order Number: 1307218

RcptNo: 1

Received by/date:

AG

07/05/13

Logged By: Michelle Garcia

7/5/2013 10:00:00 AM

Michelle Garcia

Completed By: Michelle Garcia

7/5/2013-10:54:54 AM

Michelle Garcia

Reviewed By:

[Signature]

07/05/13

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

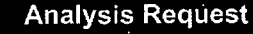
18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.9	Good	Yes			

☐ EDD (Type) _____

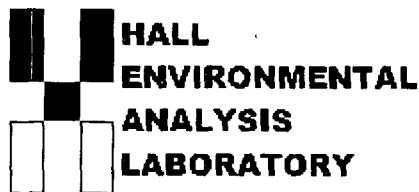
Sample Temperature: 3.4

3/13 1742 Ynt Wille 07/05/13 1000



Remarks: Bill to Animals Environmental

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



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

July 22, 2013

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-1776
FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station Tanks

OrderNo.: 1307611

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/13/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307611

Date Reported: 7/22/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-11 @ 1'

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/12/2013 10:10:00 AM

Lab ID: 1307611-001

Matrix: SOIL

Received Date: 7/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	15	10		mg/Kg	1	7/18/2013 12:45:58 PM	8407
Motor Oil Range Organics (MRO)	57	50		mg/Kg	1	7/18/2013 12:45:58 PM	8407
Surr: DNOP	97.2	63-147		%REC	1	7/18/2013 12:45:58 PM	8407
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/17/2013 6:02:54 PM	8404
Surr: BFB	94.5	80-120		%REC	1	7/17/2013 6:02:54 PM	8404

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SB-13 @ 1'**Project:** Enterprise Ballard Compressor Station T**Collection Date:** 7/12/2013 10:17:00 AM**Lab ID:** 1307611-002**Matrix:** SOIL**Received Date:** 7/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2013 1:50:54 PM	8407
Motor Oil Range Organics (MRO)	130	50		mg/Kg	1	7/18/2013 1:50:54 PM	8407
Surr: DNOP	102	63-147		%REC	1	7/18/2013 1:50:54 PM	8407
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/17/2013 6:31:32 PM	8404
Surr: BFB	92.4	80-120		%REC	1	7/17/2013 6:31:32 PM	8404

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307611

Date Reported: 7/22/2013

CLIENT: Animas Environmental Services

Client Sample ID: SB-13 @ 2'

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/12/2013 11:10:00 AM

Lab ID: 1307611-003

Matrix: SOIL

Received Date: 7/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/18/2013 2:12:44 PM	8407
Motor Oil Range Organics (MRO)	86	50		mg/Kg	1	7/18/2013 2:12:44 PM	8407
Surr: DNOP	102	63-147		%REC	1	7/18/2013 2:12:44 PM	8407
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/17/2013 7:00:07 PM	8404
Surr: BFB	92.3	80-120		%REC	1	7/17/2013 7:00:07 PM	8404

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1307611
Date Reported: 7/22/2013

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/12/2013 11:39:00 AM

Lab ID: 1307611-004

Matrix: SOIL

Received Date: 7/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2013 2:34:25 PM	8407
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2013 2:34:25 PM	8407
Surr: DNOP	96.1	63-147		%REC	1	7/18/2013 2:34:25 PM	8407
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/17/2013 11:45:42 PM	8404
Surr: BFB	92.7	80-120		%REC	1	7/17/2013 11:45:42 PM	8404

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1307611

Date Reported: 7/22/2013

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: Enterprise Ballard Compressor Station T

Collection Date: 7/12/2013 11:44:00 AM

Lab ID: 1307611-005

Matrix: SOIL

Received Date: 7/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2013 2:56:16 PM	8407
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2013 2:56:16 PM	8407
Surr: DNOP	80.0	63-147		%REC	1	7/18/2013 2:56:16 PM	8407
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2013 12:14:14 AM	8404
Surr: BFB	93.0	80-120		%REC	1	7/18/2013 12:14:14 AM	8404

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307611

22-Jul-13

Client: Animas Environmental Services

Project: Enterprise Ballard Compressor Station Tanks

Sample ID	MB-8407		SampType:	MBLK		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	8407		RunNo:	11995				
Prep Date:	7/16/2013		Analysis Date:	7/17/2013		SeqNo:	341200		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	11		10.00		114	63	147				

Sample ID	LCS-8407		SampType:	LCS		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	8407		RunNo:	11995				
Prep Date:	7/16/2013		Analysis Date:	7/17/2013		SeqNo:	341201		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	95.4	77.1	128				
Surr: DNOP	5.8		5.000		116	63	147				

Sample ID	1307611-001AMS		SampType: MS		TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID:	SB-11 @ 1'		Batch ID: 8407		RunNo: 12040					
Prep Date:	7/16/2013		Analysis Date: 7/18/2013		SeqNo: 342924		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	85	9.9	49.50	14.93	141	61.3	138			S
Surr: DNOP	5.6		4.950		114	63	147			

Sample ID	1307611-001AMSD		SampType:	MSD		TestCode:	EPA Method 8015D: Diesel Range Organics				
Client ID:	SB-11 @ 1'		Batch ID:	8407		RunNo:	12040				
Prep Date:	7/16/2013		Analysis Date:	7/18/2013		SeqNo:	342925		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	68	10	49.95	14.93	105	61.3	138	22.3	20	R	
Surr: DNOP	4.9		4.995		97.9	63	147	0	0		

Qualifiers:

* Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
O RSD is greater than RSDlimit
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
P Sample pH greater than 2 for VOA and TOC only.
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1307611

22-Jul-13

Client: Animas Environmental Services
Project: Enterprise Ballard Compressor Station Tanks

Sample ID MB-8404	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 8404	RunNo: 11998								
Prep Date: 7/16/2013	Analysis Date: 7/17/2013	SeqNo: 341918 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	950		1000		95.0	80	120			

Sample ID LCS-8404	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 8404	RunNo: 11998								
Prep Date: 7/16/2013	Analysis Date: 7/17/2013	SeqNo: 341919 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	62.6	136			
Surr: BFB	1000		1000		101	80	120			

Sample ID 1307611-001AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SB-11 @ 1'	Batch ID: 8404	RunNo: 11998								
Prep Date: 7/16/2013	Analysis Date: 7/17/2013	SeqNo: 341921 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.7	23.50	0	122	76	156			
Surr: BFB	990		939.8		106	80	120			

Sample ID 1307611-001AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SB-11 @ 1'	Batch ID: 8404	RunNo: 11998								
Prep Date: 7/16/2013	Analysis Date: 7/17/2013	SeqNo: 341922 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.7	23.47	0	130	76	156	5.88	17.7	
Surr: BFB	1000		939.0		106	80	120	0	0	

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1307611

RcptNo: 1

Received by/date: AF 07/13/13

Logged By: Anne Thorne 7/13/2013 10:00:00 AM

Completed By: **Anne Thorne** 7/15/2013

Reviewed By:

Chain of Custody

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

Log In

- | | | | |
|--|---|--|--|
| 4. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 6. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 10. VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA Vials <input checked="" type="checkbox"/> |
| 11. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 15. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
- # of preserved bottles checked for pH: (<2)

Adjusted?

Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

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

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.4	Good	Yes			

☐ EDD (Type)

Sample Temperature: 27°C

1307611

7/12/13	1144	Soil	SC-2	1-4p2	—	—	005
---------	------	------	------	-------	---	---	-----

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/12/13	1754	Christ Walde		7/13/13	16:08

Remarks: Bill to Animas Environmental Services
Hw added MRV to analysis
07/19/13
AT



Analysis Request

[illegible]



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

August 07, 2013

Ross Kennemer

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-1776
FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station

OrderNo.: 1308128

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/3/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1308128

Date Reported: 8/7/2013

CLIENT: Animas Environmental Services

Client Sample ID: SC-5

Project: Enterprise Ballard Compressor Station

Collection Date: 8/2/2013 12:44:00 PM

Lab ID: 1308128-001

Matrix: SOIL

Received Date: 8/3/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	3400	100		mg/Kg	10	8/5/2013 12:46:31 PM	8722
Motor Oil Range Organics (MRO)	1600	500		mg/Kg	10	8/5/2013 12:46:31 PM	8722
Surr: DNOP	0	63-147	S	%REC	10	8/5/2013 12:46:31 PM	8722
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	800	25		mg/Kg	5	8/5/2013 10:41:30 AM	R12409
Surr: BFB	1370	80-120	S	%REC	5	8/5/2013 10:41:30 AM	R12409

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1308128

Date Reported: 8/7/2013

CLIENT: Animas Environmental Services

Client Sample ID: SC-6

Project: Enterprise Ballard Compressor Station

Collection Date: 8/2/2013 12:46:00 PM

Lab ID: 1308128-002

Matrix: SOIL

Received Date: 8/3/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	8000	100		mg/Kg	10	8/5/2013 1:08:36 PM	8722
Motor Oil Range Organics (MRO)	3900	500		mg/Kg	10	8/5/2013 1:08:36 PM	8722
Surr: DNOP	0	63-147	S	%REC	10	8/5/2013 1:08:36 PM	8722
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	790	50		mg/Kg	10	8/5/2013 11:10:10 AM	R12409
Surr: BFB	821	80-120	S	%REC	10	8/5/2013 11:10:10 AM	R12409

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1308128

Date Reported: 8/7/2013

CLIENT: Animas Environmental Services

Client Sample ID: SC-7

Project: Enterprise Ballard Compressor Station

Collection Date: 8/2/2013 12:48:00 PM

Lab ID: 1308128-003

Matrix: SOIL

Received Date: 8/3/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	6900	100		mg/Kg	10	8/5/2013 1:30:26 PM	8722
Motor Oil Range Organics (MRO)	3300	500		mg/Kg	10	8/5/2013 1:30:26 PM	8722
Surr: DNOP	0	63-147	S	%REC	10	8/5/2013 1:30:26 PM	8722
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	1200	50		mg/Kg	10	8/5/2013 11:08:56 AM	R12410
Surr: BFB	1230	80-120	S	%REC	10	8/5/2013 11:08:56 AM	R12410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** SC-8**Project:** Enterprise Ballard Compressor Station**Collection Date:** 8/2/2013 12:50:00 PM**Lab ID:** 1308128-004**Matrix:** SOIL**Received Date:** 8/3/2013 11:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	2600	99		mg/Kg	10	8/5/2013 1:52:12 PM	8722
Motor Oil Range Organics (MRO)	1600	500		mg/Kg	10	8/5/2013 1:52:12 PM	8722
Surr: DNOP	0	63-147	S	%REC	10	8/5/2013 1:52:12 PM	8722
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	600	25		mg/Kg	5	8/5/2013 11:39:13 AM	R12410
Surr: BFB	1200	80-120	S	%REC	5	8/5/2013 11:39:13 AM	R12410

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308128

07-Aug-13

Client: Animas Environmental Services
Project: Enterprise Ballard Compressor Station

Sample ID MB-8722	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Range Organics								
Client ID: PBS	Batch ID: 8722	RunNo: 12400								
Prep Date: 8/5/2013	Analysis Date: 8/5/2013	SeqNo: 353060	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	9.9		10.00		99.2	63	147			

Sample ID LCS-8722	SampType: LCS	TestCode: EPA Method 8015D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 8722	RunNo: 12400								
Prep Date: 8/5/2013	Analysis Date: 8/5/2013	SeqNo: 353065	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	84.3	77.1	128			
Surr: DNOP	3.5		5.000		69.8	63	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308128

07-Aug-13

Client: Animas Environmental Services
Project: Enterprise Ballard Compressor Station

Sample ID mb-8704 24		SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS		Batch ID: R12409			RunNo: 12409						
Prep Date:		Analysis Date: 8/5/2013			SeqNo: 353530		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		900		1000		89.9	80	120			

Sample ID	lcs-8704 23		SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS		Batch ID:	R12409		RunNo:	12409				
Prep Date:			Analysis Date:	8/5/2013		SeqNo:	353532		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	87.6	62.6	136				
Surr: BFB	960		1000		95.9	80	120				

Sample ID	5ml rb 5		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: R12410		RunNo: 12410					
Prep Date:			Analysis Date: 8/5/2013		SeqNo: 353715		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		93.2	80	120			

Sample ID	2.5UG GRO LCS		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: R12410		RunNo: 12410					
Prep Date:			Analysis Date: 8/5/2013		SeqNo: 353719		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	62.6	136			
Surr: BFB	1100		1000		105	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1308128

RcptNo: 1

Received by/date: AT 08/03/13

Logged By: Anne Thorne 8/3/2013 11:00:00 AM

Anne Thorne

Completed By: Anne Thorne 8/5/2013

Anne Thorne

Reviewed By:

AK 08/05/13

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks: Per DW G-RO/DRO/mae / A 08/05/13

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Client: Animas Environmental Services

Client: Animas Environmental Services

Mailing Address: 1624 E. Comanche

Farmington, NM 87417

Phone #: 505-564-2201

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard

<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush <u>Scene Day</u>
Project Name:	

Project Name:

Enterprise Ballard Compressor Station

Project #:

Project Manager:

R. Henneman

Sampler: H. Woods

On Ice: ☒ Yes ☐ No

Sample Temperature: 25

Container Type and #	Material	Quantity	Remarks
1000

Preservative
Type

HEAL No

1308/28

A 3x3 grid of squares. The central square is shaded with a stippled pattern. The four squares immediately adjacent to the center (top, bottom, left, and right) are white. The four corner squares (top-left, top-right, bottom-left, and bottom-right) are black.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins, NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Date:	Time:	Relinquished by:
8/2/13	1513	Hennifer M. Woods

Date:	Time:	Relinquished by:
8/2/03	1530	Christie Waite

Received by:	Date	Time
Christine Waite	8/12/13	15/3

Received by:	Date	Time
<i>[Signature]</i>	08/03/13	11:00

Remarks:

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