



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pJK1424832159

**3RP - 1011**

**ENTERPRISE PRODUCTS OPERATING, LLC**

1/19/2017

**3R-1011**

**Release Report/ General  
Correspondence**

**Enterprise SJ**

**Date: 2012**

597

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 Products	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Lateral 6A-19 Recovery Tanks	Facility Type Pigging Receiver

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

Unit Letter	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 \_N36deg27'39" \_ Longitude \_W107deg45'42" (DDMMSS)\_\_\_\_\_

#### NATURE OF RELEASE

Type of Release Natural Gas Condensate	Volume of Release 105Barrels	Volume Recovered 95 barrels and 364 yards of contaminated soil removed
Source of Release Condensate storage tanks—frozen and broken valve	Date and Hour of Occurrence 12.08.2011 @ 07:00 hours (estimated)	Date and Hour of Discovery 1208.2011 @ 13:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, NM OCD Aztec District Office	
By Whom?	Date and Hour 12.08.2011 @ 15:00 hours	RCVD JAN 25 '12
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 2	

If a Watercourse was Impacted, Describe Fully.\*


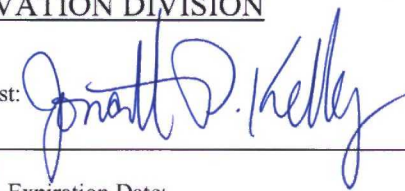
Describe Cause of Problem and Remedial Action Taken.\*

The load line on the recovery tanks froze and broke. This load line was the only valve that was blocking liquid from these tanks and was located outside of the containment berm. Approximately 105 barrels of condensate mix was released to the ground just West of the containment berm. Upon discovery of the release, berms and dikes were created and the area was secured until vacuum trucks arrived at the spill location.

Describe Area Affected and Cleanup Action Taken.\*

The majority of the condensate flowed across the road and into a bar ditch, where the condensate settled. Two pools of condensate gathered just outside and West of the roadway. A vacuum truck with extra hose portions was used to vacuum up approximately 90 to 95 barrels of released condensate by 17:30 the day of the release. The ground was icy and frozen below the condensate spill which allowed for a high recovery success rate. A third party environmental contractor was able to delineate stained soil areas, direct dirt work contractors to excavate and haul any area that was above OCD standard, and confirm the depth of clean soil at the bottom of these impacted areas that were removed. Clean fill material was transported in and emplaced. A third party environmental corrective action report is attached to this release 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: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 2/27/2012 Expiration Date:	
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 1.23.2012 Phone: (505)599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

NJK 1205827464

34



Sonder, Miller & Associates ♦ 2101 San Juan Boulevard ♦ Farmington, NM 87401-2247  
(505) 325-7535 ♦ fax (505) 326-0045

**ENTERPRISE PRODUCTS  
LATERAL 6A-19 PIG RECEIVER LIQUIDS STORAGE TANK RELEASE**

**SE/4, NW/4 SECTION 26-T26N-R09W**

**Latitude North 36° 27'39.39", Longitude West 107° 45' 42.42"**

**San Juan County, New Mexico**

Regulatory Authority: NMOCD  
Special Authority: BLM and San Juan County Roads Department  
Date Discovered: 12/08/2011  
Reported by: Conoco Phillips Personnel  
Reported to: Enterprise Field Environmental Representative, Aaron Dailey  
Date Reported: 12/08/2011  
SMA Mobilized: 12/08/2011  
Enterprise Representative: Scott Cassida  
Description: Load Line Liquids Froze and Fractured the Valve.  
Contractor: West States Energy Contractors  
Released Liquids: Natural Gas Liquids, 105 barrels  
Liquids Volume Recovered: Approximately 90 barrels  
Disposal Facility: A total 364 CY of impacted soil was hauled to the Envirotech, Inc. Land Farm, NMOCD Permit #NM-01-0011, Hill Top, NM. A total of 384 CY of virgin back fill was hauled to the 6A-19 release site from Envirotech.

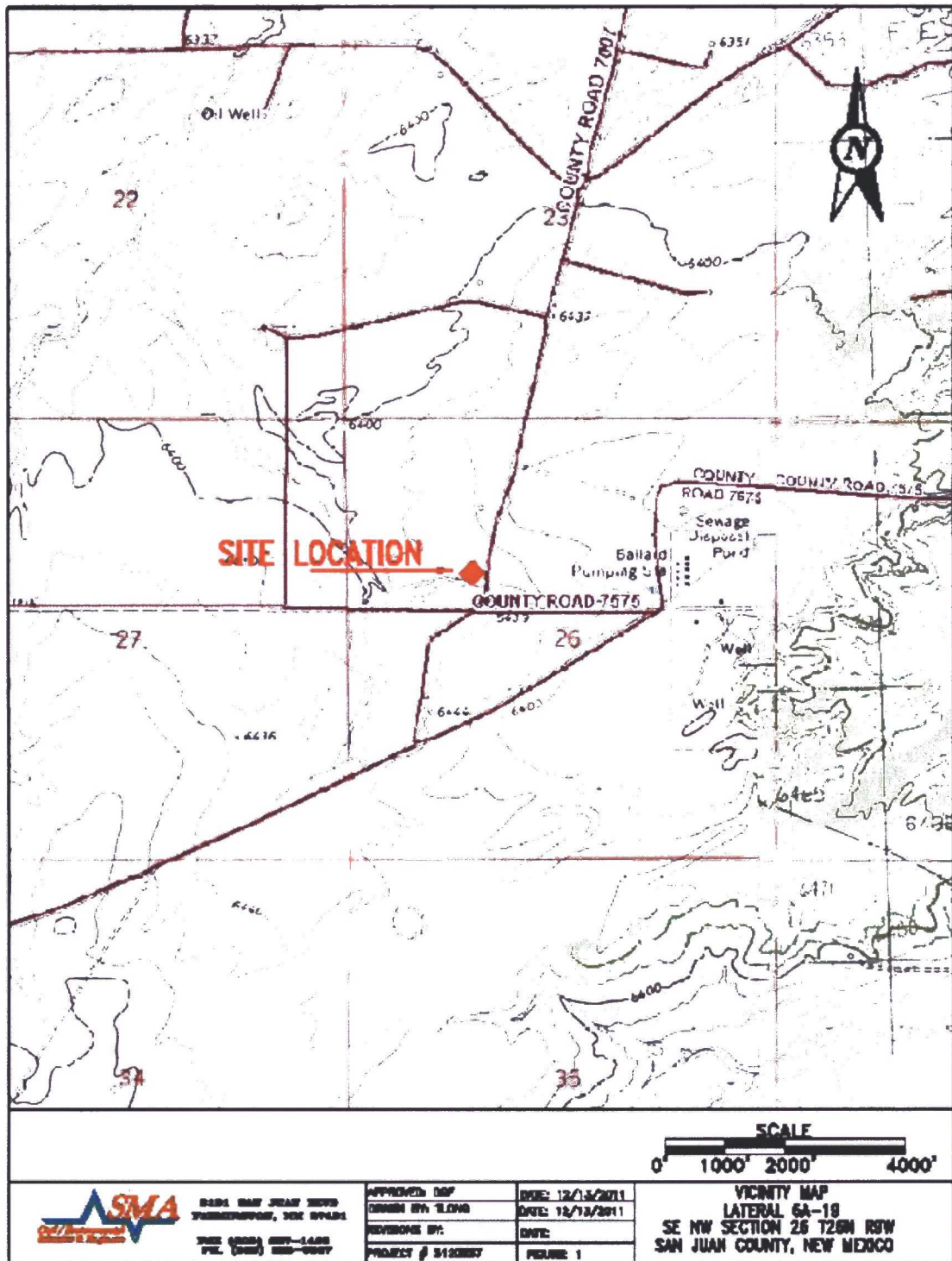
SMA Reference # 5120957 BG 34

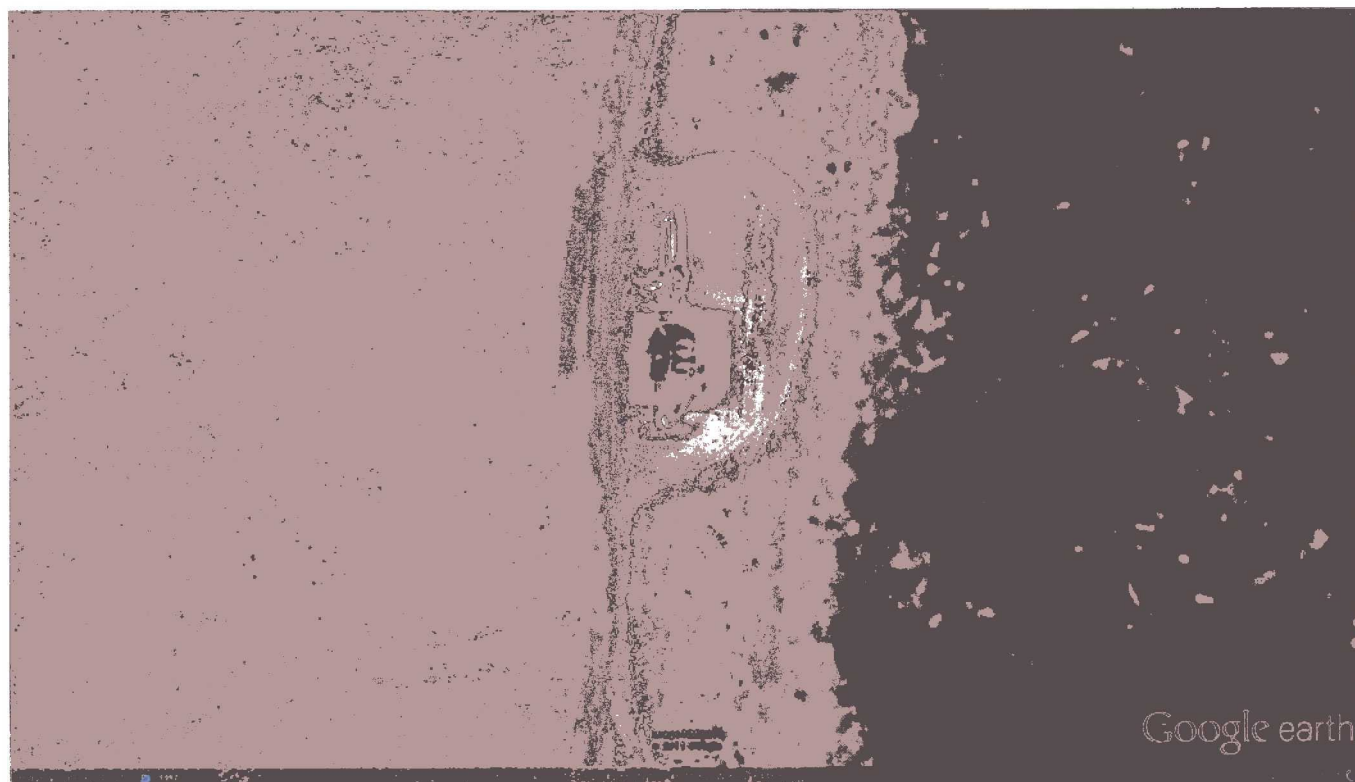
RCVD JAN 25 '12

OIL CONS. DIV.

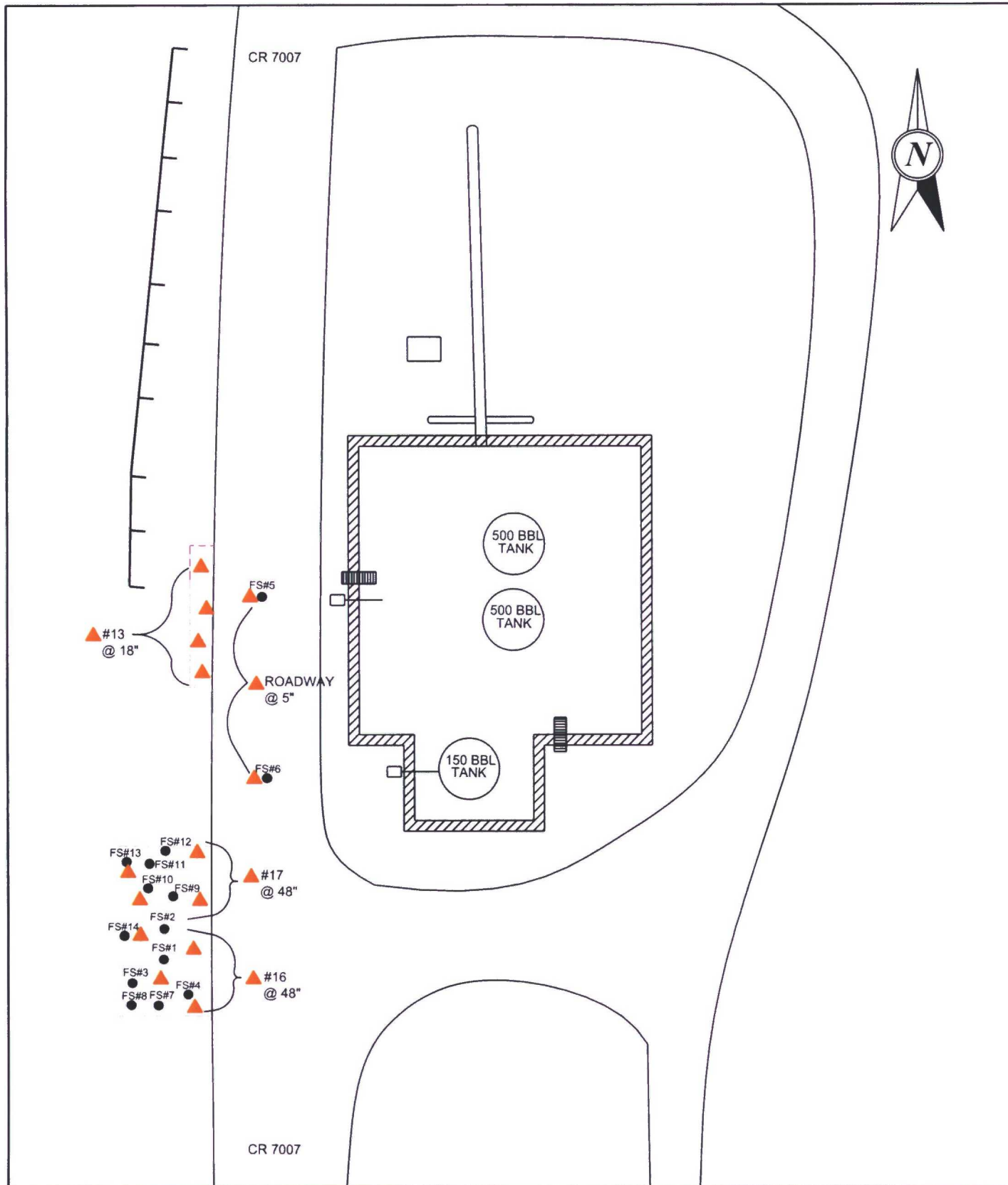
DIST. 3

Figure 1





**Figure 1B**  
**Release Site: Lateral 6A-19 Pigging Fluids Tank**  
**36° 37' 40.55" North, 107° 45' 41.53" West**



[---] - EXTENT OF EXCAVATION

● - HEAD SPACE SAMPLE LOCATION

▲ - COMPOSITE LABORATORY SAMPLE LOCATION

APPROXIMATE SCALE

0' 15' 30' 60'



2101 SAN JUAN BLVD  
FARMINGTON, NM 87401

FAX (505) 327-1496  
PH. (505) 325-5867

APPROVED: DGF

DRAWN BY: TLONG

REVISIONS BY: DGF

PROJECT # 5120957

DATE: 12/13/2011

DATE: 12/13/2011

DATE: 1/17/2012

FIGURE: 2

SITE MAP  
LATERAL 6A-19  
SE NW SECTION 26 T26N R9W  
SAN JUAN COUNTY, NEW MEXICO

## INTRODUCTION

Souder, Miller & Associates (SMA) has prepared this report for Enterprise Products Operating, LLC. (Enterprise). The report describes tasks that were completed to remediate a hydrocarbon release associated with the Lateral 6A-19 Pig Receiver Liquids Storage Tank. The release was reported on December 8, 2011. The release is located in (SE ¼, NW ¼) Section 26, Township 26 North, Range 09 West, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release. Figure 2 illustrates the site area via aerial photograph.

## Field Activities

On December 8, 2011, Aaron Dailey of Enterprise requested Dave Diss of SMA to meet him at the 6A-19 Lateral Pig Receiver. The load line valve had frozen and parted releasing pigging fluids. The load line extended outside the tank containment berm resulting in approximately 105 barrels of natural gas liquids reaching CR 7007 just west of the facility. The majority of the release flowed across the road into the bar ditch pooling at two locations just off the roadway. Berms and dikes were created and the area secured until vacuum trucks arrived at the location. The ground surface was icy and frozen which aided the recovery of approximately 90 barrels of liquids by vacuum trucks that were hauled to the Enterprise Blanco Condensate Storage. West States Energy Contractors (West States) mobilized to the site December 8, 2011, furnishing labor and a backhoe for containment and clean up operations. After an emergency one call SMA assumed environmental oversight of the release December 9, 2011, working closely with the Enterprise representative Danny Armenta. SMA using a PID was able to outline the impacted area including the roadway. West States cut down the road surface up to six inches to remove impacted soil, Doug Foutz Construction (Doug Foutz) hauled 6 loads totaling 75.5 tons or approximately 42 cubic yards of road base to the site for road rebuilding. West States started excavating the two pooled areas as directed by SMA, stock piling the impacted material. On December 10, 2011 West States continued excavating these areas with the larger excavation reaching 15'x 60'x 4' and the smaller excavation reaching 10'x 35'x 1.5'. A total of 17 PID samples shown on Figure 2 were run, the results are listed in Table 1 with 4 composite closure samples submitted for laboratory analysis. West States and Doug Foutz continued to load and haul impacted soil on December 12, 13 and 14, 2011. A total of 364 CY of impacted soil were hauled to Envirotech's Hilltop, NM land farm. A total of 384 CY of virgin backfill were hauled to the site from Envirotech. The C-138 plus land farm testing and bills of lading are shown in Appendix A.

Soil samples from the excavation bottoms and cut down roadway were collected for laboratory analyses, placed in four-ounce glass jars, labeled with date and time, sealed and placed on ice for shipment to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. The soil samples were analyzed by United State Environmental Protection Agency Method 8021B for benzene, toluene, ethyl benzene, total xylenes (BTEX) and Method 8015B for Diesel Range Organics (DRO)/Gasoline Range Organics (GRO). The laboratory analysis results were all below remediation standards established by NMOCD Guidelines. The remediation score for the release site was a zero. A summary of the laboratory analyses are included in Table 2, the laboratory reports are included in Appendix B.

## Recommendations

Laboratory analysis are well below clean up levels, no additional clean up is needed reclamation should proceed. SMA recommends scheduling an inspection of the repairs to County Road 7007 with the San Juan County Road Department. SMA notes that Enterprise has directed contractors to re-seed the disturbed area with a seed mix, date and application rate approved by the BLM

surface management staff. These two actions should be sufficient for reclamation. The original C-141 (following page) was submitted to NMOCD on December 19, 2011. A final C-141 submittal is required summarizing closure activities.

### **Closure and Limitations**

The scope of our services consisted of the performance of a preliminary spill assessment, providing field sampling to determine the extent of impacted soils and preparation of this summary report. All work has been performed in accordance with generally accepted professional hazardous materials management practices.

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company Enterprise Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington 87401	Telephone No. (505) 599-2286	
Facility Name LateraEA-19 recovery tanks	Facility Type Pigging receiver	
Surface Owner BLM	Mineral Owner BLM	Lease No. N/A

**LOCATION OF RELEASE**

Unit Letter	Section 26	Township T26N	Range R9W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
-------------	---------------	------------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude\_N 36.27'39.39" Longitude\_W 107.45'42.42" (DDMMSS)

**NATURE OF RELEASE**

Type of Release: Produced water and condensate mix	Volume of Release: 105 Barrels	Volume Recovered: 105 Barrels
Source of Release: Liquid slug catcher tanks	Date and Hour of Occurrence 12.08.2011 @ 07:00 hours (est)	Date and Hour of Discovery 12.08.2011 @ 13:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, NM OCD Aztec District	
By Whom? Aaron Dailey	Date and Hour 12.08.2011 @ 15:00 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken. The load line on the recovery tanks froze and broke. This load line was the only valve blocking liquid from these tanks and was located outside of the containment berm. Approximately 105 barrels of condensate mix was released to the ground just West of the facility. Berms and dikes were created and the area was secured until vacuum trucks arrived at the spill location.

Describe Area Affected and Cleanup Action Taken.\*

The majority of the condensate flowed across the road, into a bar ditch, and settled in this location West of the tanks. Two pools of condensate gathered just outside and West of the roadway. A vacuum truck with extra hose portions was used to vacuum up approximately 95 barrels of released condensate by 17:30 on the day of the release. The ground was icy and frozen below the condensate which allowed for a high recovery success rate. A third party environmental contractor was able to delineate stained soil areas, direct dirt work contractors to excavate and haul any area that was above OCD standard, and confirm the soil at the bottom of these impacted areas that were removed. Clean fill material was transported in and emplaced. A third party environmental report will be submitted once this is complete.

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

**OIL CONSERVATION DIVISION**

Signature: 

Approved by District Supervisor:

Printed Name: Aaron Dailey

Title: Field Environmental Scientist

Approval Date:

Expiration Date:

E-mail Address: amdailey@eprod.com

Conditions of Approval:

Attached ☐

Date: 12.19.2011

Phone: (505) 599-2286

\* Attach Additional Sheets If Necessary

Table 1: Summary of PID Results  
 Lateral 6A-19 Pipeline Release  
 SE/4, NW/4 SECTION 26-T26N-R09W  
 San Juan County, New Mexico

SMA Project #5120957 BG 34

Sample ID and Type	Depth	Date	Result (ppm)	Remarks
1 Grab	10"	12/9/2011	430	
2 Grab	10"	12/9/2011	49	
3 Grab	10"	12/9/2011	1306	
4 Grab	10"	12/9/2011	1128	
5 Grab Roadway Composite	5"	12/9/2011	498	Rdy Lab analysis
6 Grab Roadway Composite	5"	12/9/2011	1064	Rdy Lab analysis
7 Grab	12"	12/9/2011	504	
8 Grab	12"	12/9/2011	74	
9 Grab	12"	12/9/2011	13	
10 Grab	12"	12/9/2011	10	
11 Grab	12"	12/9/2011	1083	
12 Grab	9"	12/9/2011	1124	
13 4 Pt Comp Closure	18"	12/10/2011	136	Lab analysis
14 4 Pt Comp	18"	12/10/2011	1025	
15 4 Pt Comp	18"	12/10/2011	360	
16 4 Pt Comp Closure	48"	12/10/2011	260	Lab analysis
17 4 Pt Comp Closure	48"	12/10/2011	136	Lab analysis



Table 2: Summary of Laboratory Analysis  
 Lateral 6A-19 Pipeline Release  
 SE/4, NW/4 SECTION 26-T26N-R09W  
 San Juan County, New Mexico

SMA Project # 5120957 BG 34

Sample Name	Date	USEPA METHOD 8021*					USEPA METHOD 8015*	
		Benzene mg/Kg	Toluene mg/Kg	Ethyl- Benzene mg/Kg	Total Xylenes mg/Kg	Total BTEX	Diesel Range Organics mg/Kg	Gasoline Range Organics mg/Kg
Roadway 2 Pt Comp @ 5"	12/10/2011	0.067	2.1	1.4	13	16.567	520	300
#13 4 Pt Comp @ 18"	12/10/2011	<0.048	<0.048	<0.048	<0.096	ND	<10.0	<4.8
#16 4 Pt Comp @ 48"	12/10/2011	<0.047	<0.047	<0.047	<0.095	ND	<9.9	<4.7
#17 4 Pt Comp @ 48"	12/10/2011	<0.047	0.054	<0.047	0.36	0.09	<9.7	<4.7
OCD Action Levels		10				50	5000	

\*all results in mg/Kg

Red indicates in excess of OCD Action Levels



## **APPENDIX A**

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 March 12, 2007

\*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 Products Operating, LLC c/o Souder, Miller & Associates	
2. Originating Site: Enterprise Field Services Gathering System Lateral 6A-19	
3. Location of Material (Street Address, City, State or ULSTR): N 36 deg 27'39.39 W 107 deg 45'42.42"	
4. Source and Description of Waste: Hydrocarbon contaminated soil associated with broken valve on condensate tank on a natural gas gathering system line. Envirotech is authorized to sign the Generator Waste Testing Certificate	
Estimated Volume <sup>40</sup> yd <sup>3</sup> / bbls	Known Volume (to be entered by the operator at the end of the haul) yd <sup>3</sup> / bbls
5. <b>GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS</b> I, <u>Cynthia Gray</u> , representative or authorized agent for <u>Enterprise Products</u> <b>SIGNATURE OF REPRESENTATIVE</b> <b>PRINT NAME</b> <b>COMPANY NAME</b> do hereby 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. <i>Operator Use Only: Waste Acceptance Frequency</i> <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 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) <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) <b>GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS</b> I, _____, representative for _____ do hereby certify that representative samples <b>SIGNATURE OF REPRESENTATIVE</b> <b>COMPANY NAME</b> 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: IMI	

**OCD Permitted Surface Waste Management Facility**

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: Hilltop, 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: April E Pohl TITLE: Land Farm Administrator DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ TELEPHONE NO.: 505-632-0615

Surface Waste Management Facility Authorized Agent



40398

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 12-9-11 TIME 1257 Attach test strip here

CUSTOMER Enterprise

SITE Lat 6A

DRIVER Ron Byrd

SAMPLE Soil

CHLORIDE TEST 282 mg/Kg

ACCEPTED YES ✓ NO       

PAINT FILTER TEST Time started 1257 Time completed 1:105

PASS YES ✓ NO       

SAMPLER/ANALYST [Signature]







## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 12-14-11

TIME 15:47

Attach test strip here

CUSTOMER Enterprise

SITE Lag 6A

DRIVER [Signature]

SAMPLE Soil

CHLORIDE TEST -282 mg/Kg

ACCEPTED YES ☒ NO ☐

PAINT FILTER TEST Time started            Time completed           

PASS YES ☒ NO ☐

SAMPLER/ANALYST [Signature]





# Bill of Lading

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

MANIFEST # 40422  
DATE 12-12-11 JOB# 97057-0472

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lat 6 A-19	LF II-5	Cont Soil	T-13	12	-	Doug Fartz	935	10:40	[Signature]
2	"	LF II-5	Cont Soil	T-13	12	-	Doug Fartz	834	11:50	[Signature]
3	"	"	"	T-13	12	-	"	935	11:58	[Signature]
4	"	"	"	T-13	12	-	"	835	12:13	[Signature]
5	"	"	"	T-13	12	-	"	834	1:00	[Signature]
6	"	"	"	U-13	12	-	"	935	1:10	[Signature]
7	"	"	"	U-13	12	-	"	835	13:17	[Signature]
8	"	"	"	U-13	12	-	"	834	14:08	[Signature]
9	"	"	"	U-13	12	-	"	935	14:31	[Signature]
10	"	"	"	U-13	12	-	"	835	14:36	[Signature]
11	"	"	"	U-13	12	-	"	935	15:47	[Signature]
12	"	"	"	U-13	12	-	"	835	15:47	[Signature]
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
282	CHLORIDE TEST	3	Certification of above receipt & placement [Signature]							
	PAINT FILTER TEST	3								

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Doug Fartz NAME Tim Rodriguez SIGNATURE [Signature]

COMPANY CONTACT PHONE DATE 12-12-11

Signatures required prior to distribution of this legal document.



# Bill of Lading

MANIFEST # 40453

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

DATE 12-14-11 JOB# 97057-0472

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lot 6A	LFH-5	cont. soil	X-13	10	—	Doug Fultz	835	9:47	Ren Bright
2	"	"	"	X-13	10	—	" "	834	10:47	Randy Fultz
3	"	"	"	X-13	10	—	" "	835	10:57	Ren Bright
4	"	"	"	X-13	10	—	" "	834	11:55	Randy Fultz
5	"	"	"	X-13	10	—	" "	835	13:03	Ren Bright
6	"	"	"	X-13	10	—	" "	834	13:10	Randy Fultz
7	"	"	"	X-13	10	—	" "	835	13:20	Ren Bright
8	"	"	"	X-13	10	—	" "	935	13:47	Quilok
9	"	"	"	X-13	10	—	" "	834	14:25	Randy Fultz
						90				
RESULTS:						NOTES:				
-280	CHLORIDE TEST	2	LANDFARM EMPLOYEE: Gary Robinson							
	PAINT FILTER TEST	2	Certification of above receipt & placement							

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Doug Fultz Const NAME Ren Bright SIGNATURE Ren BrightCOMPANY CONTACT Craig Fultz PHONE 325-4922 DATE 12-14-11

Signatures required prior to distribution of this legal document.

40437



## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 12-13-11 TIME 10:25 Attach test strip here

CUSTOMER ENTERPRISE

SITE LAT 6A

DRIVER Rm Felt

SAMPLE Soil

CHLORIDE TEST -288 mg/Kg

ACCEPTED YES ☒ NO ☐

PAINT FILTER TEST Time started 10:25 Time completed 10:30

PASS YES ☒ NO ☐

SAMPLER/ANALYST Steve Long



5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com



## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 12-13-11 TIME 13:27 Attach test strip here

CUSTOMER ENTERPRISE

SITE LAT 6A

DRIVER Randy Fouts

SAMPLE Soil

CHLORIDE TEST -288 mg/Kg

ACCEPTED YES ☒ NO ☐

PAINT FILTER TEST Time started 13:27 Time completed 13:32

PASS YES ☒ NO ☐

SAMPLER/ANALYST Steve Long



5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com



# Bill of Lading

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

MANIFEST # 40437

DATE 12-13-11 JOB# 97057-0472

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE CAB 6A	LT II-5	cont 5.12	V-13	10	-	DOS Fontz	835	10:05	Ron Bright
2	"	"	"	V-13	10	-	"	935	10:52	Ron Bright
3	"	"	"	V-13	10	-	"	835	11:34	Ron Bright
4	"	"	"	V-13	10	-	"	834	12:10	Ron Bright
5	"	"	"	V-13	10	-	"	835	12:55	Ron Bright
6	"	"	"	V-13	10	-	"	834	13:20	Ron Bright
7	"	"	"	W-13	10	-	"	835	14:20	Ron Bright
8	"	"	"	W-13	10	-	"	834	14:50	Ron Bright
						80				
RESULTS:										
280	CHLORIDE TEST	2	LANDFARM EMPLOYEE: <u>Dave Lee</u>		NOTES:					
	PAINT FILTER TEST	2	Certification of above receipt & placement							

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Doug Fontz Const NAME Ron Bright SIGNATURE Ron Bright

COMPANY CONTACT Craig Fontz PHONE 325-4922 DATE 12-13-11

Signatures required prior to distribution of this legal document.

## **APPENDIX B**



## COVER LETTER

Tuesday, December 20, 2011

Denny Foust  
Souder, Miller and Associates  
2101 San Juan Boulevard  
Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: Enterprise Prod 6A-19 Tank Release Condensate

Order No.: 1112594

Dear Denny Foust:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 12/13/2011 for the analyses presented in the following report.

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

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

Sincerely,



Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901  
AZ license # AZ0682

**Hall Environmental Analysis Laboratory, Inc.****Date: 20-Dec-11****Analytical Report**

<b>CLIENT:</b>	Souder, Miller and Associates	<b>Client Sample ID:</b>	Sample #13
<b>Lab Order:</b>	1112594	<b>Collection Date:</b>	12/10/2011 11:30:00 AM
<b>Project:</b>	Enterprise Prod 6A-19 Tank Release Condensat	<b>Date Received:</b>	12/13/2011
<b>Lab ID:</b>	1112594-01	<b>Matrix:</b>	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/16/2011 6:43:56 PM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	12/16/2011 6:43:56 PM
Surr: DNOP	99.9	77.4-131		%REC	1	12/16/2011 6:43:56 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/17/2011 10:34:13 AM
Surr: BFB	106	69.7-121		%REC	1	12/17/2011 10:34:13 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.048		mg/Kg	1	12/17/2011 10:34:13 AM
Toluene	ND	0.048		mg/Kg	1	12/17/2011 10:34:13 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/17/2011 10:34:13 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/17/2011 10:34:13 AM
Surr: 4-Bromofluorobenzene	111	80-120		%REC	1	12/17/2011 10:34:13 AM

**Qualifiers:**

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

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

**Hall Environmental Analysis Laboratory, Inc.****Date:** 20-Dec-11**Analytical Report**

<b>CLIENT:</b>	Souder, Miller and Associates	<b>Client Sample ID:</b>	Sample #16
<b>Lab Order:</b>	1112594	<b>Collection Date:</b>	12/10/2011 1:30:00 PM
<b>Project:</b>	Enterprise Prod 6A-19 Tank Release Condensat	<b>Date Received:</b>	12/13/2011
<b>Lab ID:</b>	1112594-02	<b>Matrix:</b>	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						<b>Analyst: JB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/16/2011 7:13:25 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/16/2011 7:13:25 PM
Surr: DNOP	101	77.4-131		%REC	1	12/16/2011 7:13:25 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						<b>Analyst: RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2011 11:04:22 AM
Surr: BFB	89.1	69.7-121		%REC	1	12/17/2011 11:04:22 AM
<b>EPA METHOD 8021B: VOLATILES</b>						<b>Analyst: RAA</b>
Benzene	ND	0.047		mg/Kg	1	12/17/2011 11:04:22 AM
Toluene	ND	0.047		mg/Kg	1	12/17/2011 11:04:22 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2011 11:04:22 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/17/2011 11:04:22 AM
Surr: 4-Bromofluorobenzene	85.1	80-120		%REC	1	12/17/2011 11:04:22 AM

**Qualifiers:**

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

**Hall Environmental Analysis Laboratory, Inc.**

Date: 20-Dec-11

Analytical Report

<b>CLIENT:</b>	Souder, Miller and Associates	<b>Client Sample ID:</b>	Sample #17
<b>Lab Order:</b>	1112594	<b>Collection Date:</b>	12/10/2011 1:35:00 PM
<b>Project:</b>	Enterprise Prod 6A-19 Tank Release Condensat	<b>Date Received:</b>	12/13/2011
<b>Lab ID:</b>	1112594-03	<b>Matrix:</b>	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/16/2011 8:12:23 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/16/2011 8:12:23 PM
Surr: DNOP	99.9	77.4-131		%REC	1	12/16/2011 8:12:23 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/17/2011 11:34:21 AM
Surr: BFB	111	69.7-121		%REC	1	12/17/2011 11:34:21 AM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.047		mg/Kg	1	12/17/2011 11:34:21 AM
Toluene	0.054	0.047		mg/Kg	1	12/17/2011 11:34:21 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/17/2011 11:34:21 AM
Xylenes, Total	0.36	0.094		mg/Kg	1	12/17/2011 11:34:21 AM
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	12/17/2011 11:34:21 AM

**Qualifiers:**

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

## QA/QC SUMMARY REPORT

**Client:** Souder, Miller and Associates  
**Project:** Enterprise Prod 6A-19 Tank Release Condensat

**Work Order:** 1112594

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 8015B: Diesel Range Organics</b>											
<b>Sample ID: MB-29750</b>		<b>MBLK</b>									
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
<b>Sample ID: LCS-29750</b>		<b>LCS</b>									
Diesel Range Organics (DRO)	57.12	mg/Kg	10	50	0	114	62.7	139			
<b>Method: EPA Method 8015B: Gasoline Range</b>											
<b>Sample ID: MB-29737</b>		<b>MBLK</b>									
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
<b>Sample ID: LCS-29737</b>		<b>LCS</b>									
Gasoline Range Organics (GRO)	28.64	mg/Kg	5.0	25	2.06	106	86.4	132			
<b>Method: EPA Method 8021B: Volatiles</b>											
<b>Sample ID: MB-29737</b>		<b>MBLK</b>									
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
<b>Sample ID: LCS-29737</b>		<b>LCS</b>									
Benzene	1.048	mg/Kg	0.050	1	0.0038	104	80	120			
Toluene	1.009	mg/Kg	0.050	1	0.0059	100	80	120			
Ethylbenzene	1.070	mg/Kg	0.050	1	0.0085	106	80	120			
Xylenes, Total	3.322	mg/Kg	0.10	3	0	111	80	120			

**Qualifiers:**

E Estimated value  
 J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 NC Non-Chlorinated  
 R RPD outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name SMA-FARM

Work Order Number 1112594

Date Received:

12/13/2011

Received by: AT

Sample ID labels checked by:

Checklist completed by:

Signature

Date

Initials

Matrix:

Carrier name Emery

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1.0°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved  
bottles checked for  
pH:

<2 >12 unless noted  
below.

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

Client: Enterprise Products  
Sonder Miller and Associates  
Mailing Address: 2101 San Juan Blvd  
Farmington, NM 87401  
Phone #: 505-325-7535  
email or Fax#: denny.foust@sondermillers.com  
QA/QC Package:  
☒ Standard ☐ Level 4 (Full Validation)  
Accreditation  
☐ NELAP ☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

☒ Standard      ☐ Rush

Project #: 5720957 BG34

Project Manager: Denny Foust

Sampler: Denny Foust

On the left, the  
Sample Temperature



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

	✓	✓	BTEX + 4 Volatiles (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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
			8081 Pesticides / 8082 PCB's
			8260B (VOA)
			8270 (Semi-VOA)
			Air Bubbles (Y or N)

Date: 12/12/11	Time: 1516	Relinquished by: Denny Foust
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Received by: Christina Wheeler Date 12/11 Time 1510

Remarks: *Per DF invoice Enterprise, Soma client*  
*RT 12/13/11*

Date: 2/2/11	Time: 1621	Relinquished by: Christine Weber
-----------------	---------------	-------------------------------------

Received by: [Signature] Date: 12/13/11 Time: 1306



## COVER LETTER

Wednesday, January 04, 2012

Denny Foust  
Souder, Miller and Associates  
2101 San Juan Boulevard  
Farmington, NM 87401

TEL: (505) 325-5667

FAX (505) 327-1496

RE: EPCO Later 6A-19

Order No.: 1112681

Dear Denny Foust:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 12/14/2011 for the analyses presented in the following report.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901  
AZ license # AZ0682

**Hall Environmental Analysis Laboratory, Inc.**

Date: 05-Jan-12

Analytical Report

CLIENT: Souder, Miller and Associates

Client Sample ID: Road @ 6"

Lab Order: 1112681

Collection Date: 12/9/2011 1:17:00 PM

Project: EPCO Later 6A-19

Date Received: 12/14/2011

Lab ID: 1112681-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	520	100		mg/Kg	10	12/18/2011 11:23:26 PM
Surr: DNOP	0	77.4-131	S	%REC	10	12/18/2011 11:23:26 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	300	47		mg/Kg	10	12/20/2011 2:15:36 PM
Surr: BFB	225	69.7-121	S	%REC	10	12/20/2011 2:15:36 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	0.067	0.047		mg/Kg	1	12/19/2011 6:42:51 PM
Toluene	2.1	0.047		mg/Kg	1	12/19/2011 6:42:51 PM
Ethylbenzene	1.4	0.047		mg/Kg	1	12/19/2011 6:42:51 PM
Xylenes, Total	13	0.95		mg/Kg	10	12/20/2011 2:15:36 PM
Surr: 4-Bromofluorobenzene	254	80-120	S	%REC	1	12/19/2011 6:42:51 PM

**Qualifiers:**

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

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

## QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates  
 Project: EPCO Later 6A-19

Work Order: 1112681

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 8015B: Diesel Range Organics</b>											
Sample ID: MB-29785		MBLK									
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-29785		LCS									
Diesel Range Organics (DRO)	56.57	mg/Kg	10	50	0	113	62.7	139			
<b>Method: EPA Method 8015B: Gasoline Range</b>											
Sample ID: MB-29783		MBLK									
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-29783		LCS									
Gasoline Range Organics (GRO)	26.63	mg/Kg	5.0	25	0	107	86.4	132			
<b>Method: EPA Method 8021B: Volatiles</b>											
Sample ID: 1112681-01AMSD		MSD									
Benzene	0.9150	mg/Kg	0.046	0.929	0.0667	91.4	67.2	113	4.66	14.3	
Toluene	3.953	mg/Kg	0.046	0.929	2.135	196	62.1	116	1.60	15.9	S
Ethylbenzene	2.559	mg/Kg	0.046	0.929	1.434	121	67.9	127	4.39	14.4	
Xylenes, Total	19.31	mg/Kg	0.093	2.786	13.97	192	60.6	134	5.12	12.6	SE
Sample ID: MB-29783		MBLK									
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: LCS-29783		LCS									
Benzene	1.036	mg/Kg	0.050	1	0.0102	103	80	120			
Toluene	1.051	mg/Kg	0.050	1	0.0052	105	80	120			
Ethylbenzene	1.077	mg/Kg	0.050	1	0.0066	107	80	120			
Xylenes, Total	3.180	mg/Kg	0.10	3	0.0232	105	80	120			
Sample ID: 1112681-01AMS		MS									
Benzene	0.9587	mg/Kg	0.047	0.943	0.0667	94.5	67.2	113			
Toluene	4.016	mg/Kg	0.047	0.943	2.135	199	62.1	116			S
Ethylbenzene	2.674	mg/Kg	0.047	0.943	1.434	131	67.9	127			S
Xylenes, Total	20.32	mg/Kg	0.094	2.83	13.97	225	60.6	134			SE

## Qualifiers:

E Estimated value  
 J Analyte detected below quantitation limits  
 ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded  
 NC Non-Chlorinated  
 R RPD outside accepted recovery limits

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name SMA-FARM

Date Received:

12/14/2011

Work Order Number 1112681

Received by: LNM

Checklist completed by:

Signature

12/14/11

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1.0°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved bottles checked for pH:

<2 >12 unless noted below.

COMMENTS:

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_

Client: SMA

Mailing Address: 2101 San Juan Blvd.  
Farmington, NM 87401

Phone #: 505-325-7535

email or Fax#: denny.fawst@southerniller.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other \_\_\_\_\_

☐ EDD (Type) \_\_\_\_\_

☒ Standard      ☐ Rush

Project #: 5120957

Project Manager:  
Denny Foust

Sampler: Thomas Long

On Ice: ☒ Yes ☐ No

Sample Temperature: 100

Container Type and #	Preservative Type
-------------------------	----------------------

Preservation	100%
Type	100%

## HEAL-Ne

1112481

21

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

	X	BTEX + <del>MTBE</del> + TMB's (802'1)
		BTEX + MTBE + TPH (Gas only)
	X	TPH Method 8015B (Gas/Diesel))
		TPH (Method 418.1)
		EDB (Method 504.1)
		8310 (PNA or PAH)
		RCRA 8 Metals
		Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
		8081 Pesticides / 8082 PCB's
		8260B (VOA)
		8270 (Semi-VOA)
		Air Bubbles (Y or N)

Date: 12/13/11	Time: 1400	Relinquished by: <i>Thane Lay</i>
-------------------	---------------	--------------------------------------

Date:	Time:	Relinquished by:
12/13/11	1616	<i>[Signature]</i>

Received by: Christine Liberman Date 12/13/11 Time 1515

Received by: Tadmanabusi Date: 12/14/11 Time: 0900

Remarks:





# Bill of Lading

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

MANIFEST # 40434  
DATE 12-13-11 JOB# 97057-0422

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	Enterprise	Clean Fill	—	12	—	Doug Foutz	835	9:20	Ron Bright
2	"	"	"	—	12	—	Doug Foutz	935	9:44	Ron Bright
3	"	"	"	—	12	—	Doug Foutz	835	10:25	Ron Bright
4	"	"	"	—	12	—	"	834	11:01	Ron Bright
5	"	"	"	—	12	—	"	835	11:35	Ron Bright
6	"	"	"	—	12	—	"	834	12:10	Ron Bright
7	"	"	"	—	12	—	"	835	12:52	Ron Bright
8	"	"	"	—	12	—	"	834	13:27	Ron Bright
					96					
RESULTS:		LANDFARM EMPLOYEE:		NOTES:						
CHLORIDE TEST		Certification of above receipt & placement								
PAINT FILTER TEST										

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Doug Foutz Const NAME Ron Bright SIGNATURE Ron Bright  
COMPANY CONTACT Craig Foutz PHONE 325-4922 DATE 12-13-11  
Signatures required prior to distribution of this legal document.



# Bill of Lading

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

MANIFEST # 40452  
DATE 12-14-11 JOB# 97057-0472

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	envirotech	Interpaso Lat 6A	CLEAN Fill	-	12	-	Doug Foutz	835	8:34	Ron Bright
2	"	"	"	-	12	-	"	834	9:27	Randy Foutz
3	"	"	"	-	12	-	"	835	9:47	Ron Bright
4	"	"	"	-	12	-	"	834	10:47	Randy Foutz
5	"	"	"	-	12	-	"	835	10:57	Ron Bright
6	"	"	"	-	12	-	"	834	11:55	Randy Foutz
7	"	"	"	-	12	-	"	835	13:03	Ron Bright
8	"	"	"	-	12	-	"	935	12:37	Chuck Rod
9	"	"	"	-	12	-	"	834	13:10	Randy Foutz
10	"	"	"	-	12	-	"	835	13:26	Ron Bright
11	"	"	"	-	12	-	"	935	13:47	Chuck Rod
12	"	"	"	-	12	-	"	834	14:25	Randy Foutz

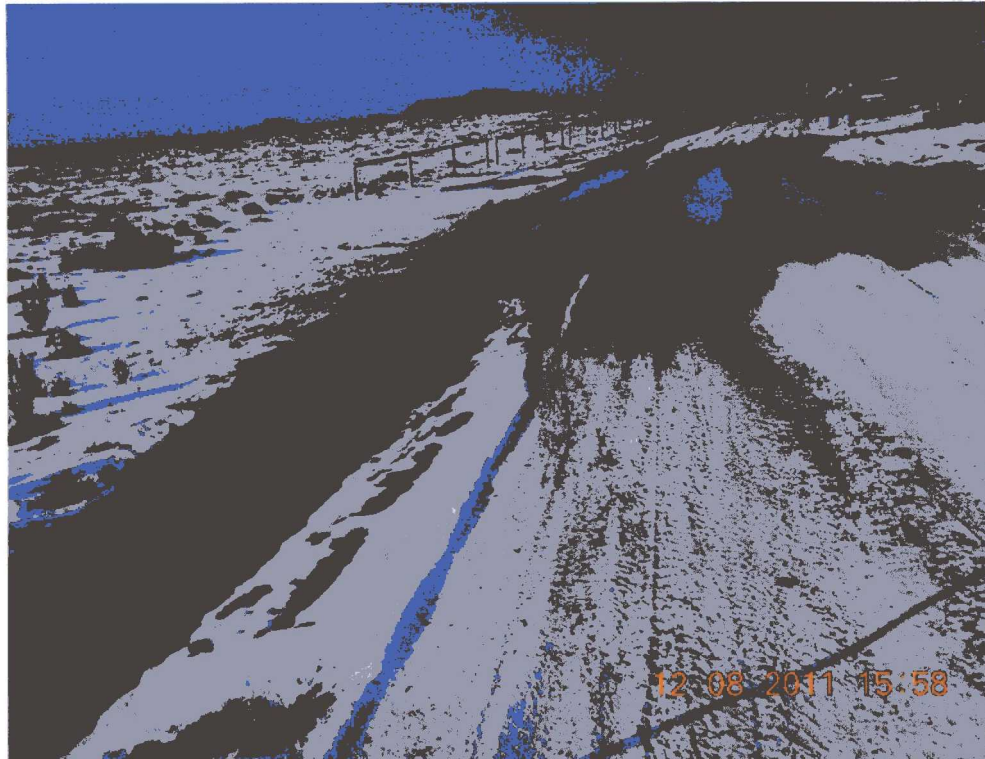
RESULTS:		LANDFARM EMPLOYEE: <u>Cary Robinson</u> 144 (Blair)	NOTES:
<u>CLEAN</u>	CHLORIDE TEST		
	PAINT FILTER TEST	Certification of above receipt & placement	

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

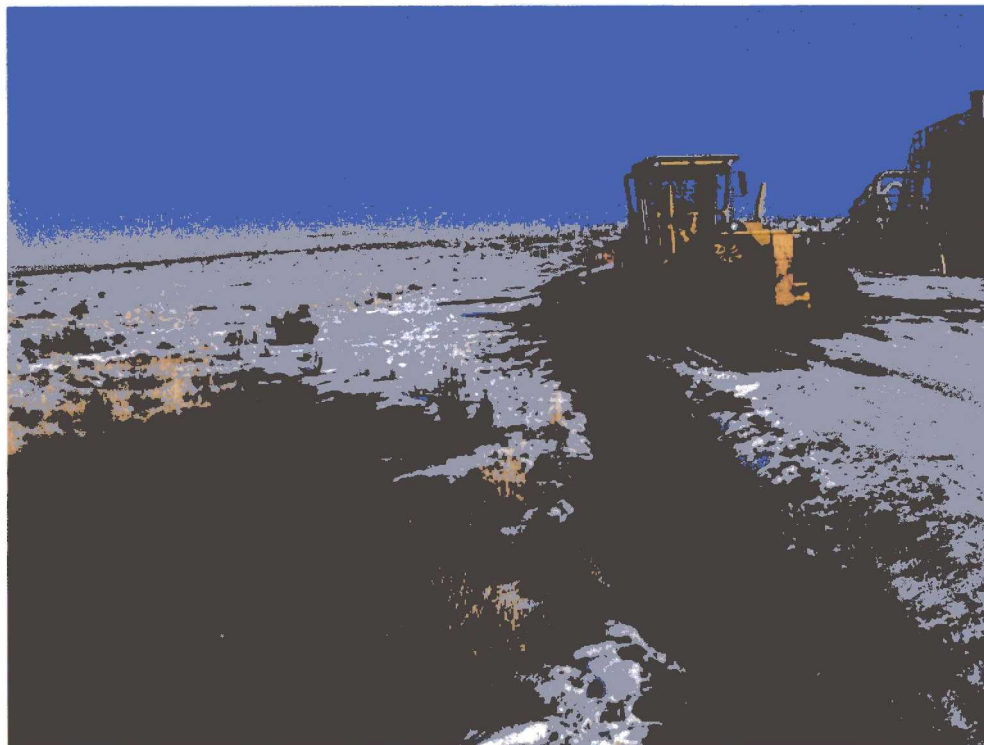
TRANSPORTER CO. Doug Foutz Const NAME Ron Bright SIGNATURE Ron Bright

COMPANY CONTACT Doug Foutz PHONE 325 4922 DATE 12-14-11

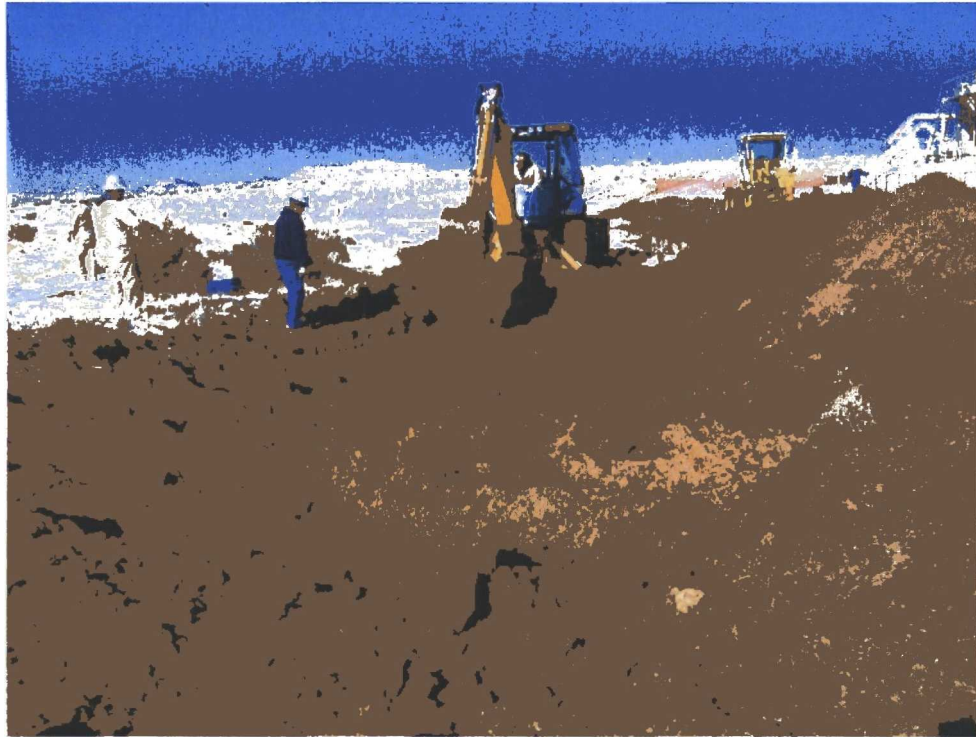
Signatures required prior to distribution of this legal document.



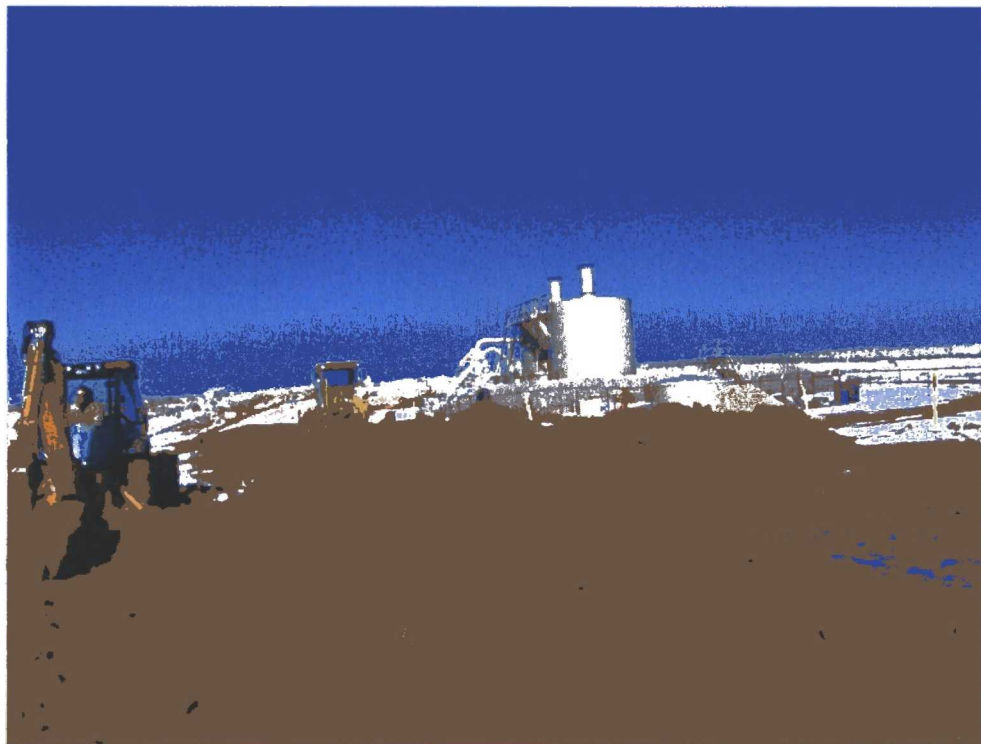
**Photo 1: Release 12-08-2011 on CR 7007**



**Photo 2: Cutting Down Roadway**



**Photo 3: Excavating Impacted Soil**



**Photo 4: Impacted Soil to be hauled to Envirotech**

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

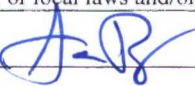
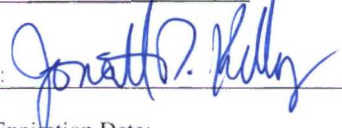
Name of Company Enterprise Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Gallegos #2 Well tie line	Facility Type Well tie line	
Surface Owner Navajo Tribal	Mineral Owner Navajo Tribal	API No.

### LOCATION OF RELEASE

Unit Letter H	Section 29	Township 26N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude N36.4597 Longitude W108.0220 (decimal degrees)

### NATURE OF RELEASE

Type of Release Natural Gas Pipeline Release	Volume of Release 100 MCF gas and 5 barrels liquid (est.)	Volume Recovered To be determined
Source of Release 4" gathering line external corrosion hole	Date and Hour of Occurrence Unknown—Corrosion hole on pipe	Date and Hour of Discovery 5.29.2012 @ 08:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Steve Austin with Navajo EPA and Brandon Powell With NM OCD Aztec	
By Whom? Aaron Dailey	Date and Hour 5.29.2012 @ 11:18 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Groundwater impacts are undetermined at this time.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* A third party survey crew discovered a pipeline leak in Gallegos wash and contacted Enterprise, whereby a technician was dispatched to verify, isolate and LOTO this segment of pipe. The pipeline segment is currently being excavated and the entire section going through the wash is being replaced with a pigging system added to it.		
Describe Area Affected and Cleanup Action Taken.* Excavation of the pipeline was initiated on 6.5.2012. It is undetermined how much stained soil will be encountered at the time of this report. A "final" c-141 report attached to the third party environmental corrective action report will be submitted once the environmental cleanup has been completed. Groundwater impacts are undetermined at this time.		
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: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 6/15/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6.6.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK1216741057

RCVD JUN 8 '12  
OIL CONS. DIV.  
DIST. 3

**Dailey, Aaron**

---

**From:** Dailey, Aaron  
**Sent:** Tuesday, May 29, 2012 11:14 AM  
**To:** 'Steve Austin'; 'Powell, Brandon, EMNRD'; 'bill.liess@blm.gov'  
**Cc:** Clelland, Sarah; 'Tami Ross'  
**Subject:** Enterprise-Line leak discovered  
**Attachments:** IMG\_0369.jpg

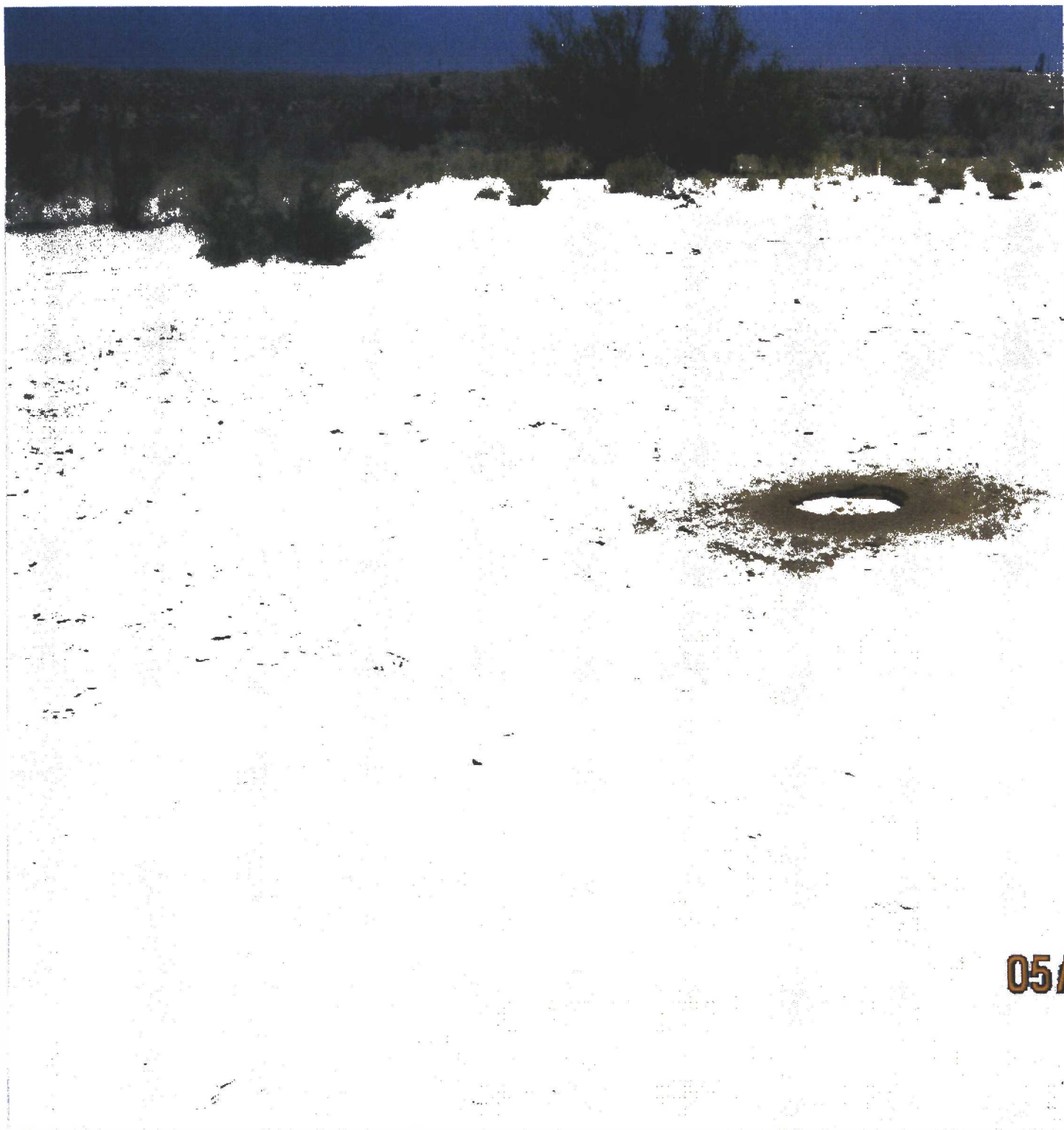
Good morning,

A line leak on an Enterprise gathering line going through Gallegos Wash was discovered yesterday at around noon. There are no injuries, fires, or immediate threats the public or the environment. It is unknown what the extent of contamination is at this time. A third party environmental contractor will be conducting the confirmation sampling and any potential groundwater verification and sampling.

We are in the process of making a plan for repairs but the line has been locked and tagged out at this time.

Location: Leak is at N 36.459568 W108.022313 Sec 29/26 N/11 W Lateral to 6A

Please call me if you have any questions.



**Aaron Dailey**  
Enterprise Products  
Field Environmental Scientist-San Juan Basin  
614 Reilly Avenue  
Farmington, NM 87401  
**505/599-2286**  
**505/427-1719 cell**  
[amdailey@eprod.com](mailto:amdailey@eprod.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 Products Operating	Contact: Aaron Dailey	
Address: 614 Reilly Ave, Farmington, New Mexico	Telephone No: (505) 599-2124	
Facility Name: 3B-14 Pig Receiver	Facility Type: Natural Gas Pipeline Piggings Receiver	
Surface Owner: BLM	Mineral Owner: BLM	API No.

**LOCATION OF RELEASE**

Unit Letter E	Section 26	Township 30N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N 36.7991 Longitude\_W -107.8775

**NATURE OF RELEASE**

Type of Release: Produced Water/Condensate Mix	Volume of Release: 1-2 BBL liquid	Volume Recovered: TBD
Source of Release: Natural Gas Pipeline Release	Date and Hour of Occurrence: 9/26/2012 @ 15:00 hours	Date and Hour of Discovery 09/26/2012 @ 15:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly	
By Whom? Aaron Dailey	Date and Hour: 9/26/2012 @ approximately 15:50 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

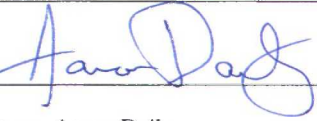
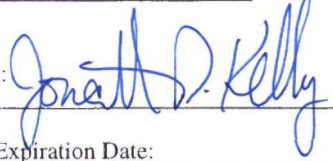
RCVD OCT 5 '12  
OIL CONS. DIV.  
DIST. 3

If a Watercourse was Impacted, Describe Fully.\*  
No Watercourse Reached.

Describe Cause of Problem and Remedial Action Taken.\* While receiving a pig from the location, technician was unable to close the pig receiver block valve vent before liquid was released from the pipe. The technician estimated 1-2 barrels was released from the receiver onto the ground before he could close the vent valve. After the receiver was returned to normal operating conditions, the technician was met by a representative from the OCD Aztec district who happened to see the event. Technician contacted his supervisor who contacted the company environmental representative, who contacted the local OCD Aztec district office.

Describe Area Affected and Cleanup Action Taken.\* Third party environmental contractor conducted soil sampling of the area and laboratory analytics are pending. Corrective actions will be conducted based on the laboratory analytic results and third party environmental contractor and agency recommendations. A c-141 "final" report will be submitted along with a third party environmental 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 10/23/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10.4.2012	Phone: (505) 599-2286	

\* Attach Additional Sheets If Necessary

NSK 1229736458

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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral 2B-24 Pipeline	Facility Type Natural gas gathering line	
Surface Owner Private	Mineral Owner Private	API No.

**LOCATION OF RELEASE**

Unit Letter G	Section 22	Township 28N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N 36°38.920' Longitude\_W 107°52.767'\_\_

**NATURE OF RELEASE**

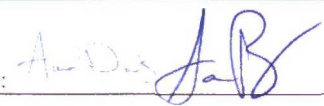
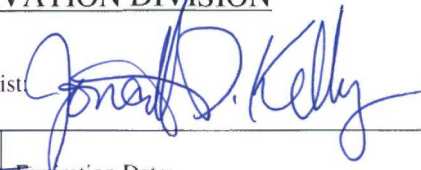
Type of Release Natural gas	Volume of Release: Unknown	Volume Recovered 90 cubic yards contaminated soil and installation of a passive venting well.
Source of Release corrosion leak on pipeline	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 10.10.2011 @ 09:00 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD APR 5 '12 OIL CONS. DIV.
By Whom?	Date and Hour	DIST. 3
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 pipeline leak was discovered on the lateral 2B-24 pipeline. Upon excavation, it was discovered that there was significant impact to soil. Pipeline was repaired and remediation was initiated.

Describe Area Affected and Cleanup Action Taken.\* The majority of impacted soil was removed during the pipeline repairs. The soil that could not be removed due to terrain and depth was remedied using a passive soil vapor extraction well technique, which was installed and is being monitored by a third party environmental contractor. Quarterly and final remediation reports will be submitted to the Aztec office for this project.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist 	
Title: Field Environmental Scientist	Approval Date: 4/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4.3.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK1211047856

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: Aaron Dailey	
Address: 614 Reilly Ave, Farmington, New Mexico	Telephone No: (505) 599-2286	
Facility Name: 6B-8 Pipeline	Facility Type: Natural gas gathering pipeline	
Surface Owner: Navajo Tribal	Mineral Owner: Navajo Tribal	API No.

**LOCATION OF RELEASE**

Unit Letter A	Section 14	Township 27N	Range 13W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude N 36.3489 Longitude W -108.1114 (decimal degrees)

**NATURE OF RELEASE**

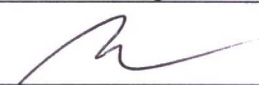
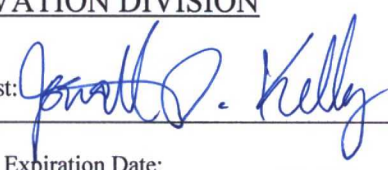
Type of Release: Natural Gas	Volume of Release: Unknown-estimated 2 barrels of liquid were released over time	Volume Recovered: TBD
Source of Release: Natural Gas Pipeline Release	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11/30/2012 @ 08:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Steve Austin, NNEPA (requested a c-141 be completed and submitted)	
By Whom? Aaron Dailey	Date and Hour: 12/3/2012 @ approximately 09:00 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

RCVD DEC 13 '12  
OIL CONS. DIV.  
DIST. 3

Describe Cause of Problem and Remedial Action Taken.\* An Enterprise technician was marking lateral 6B-8 for a NM one call response and discovered a line leak on this pipeline. Repairs were made on 12/3 and 12/4/2012, where approximately 45 feet of new pipe was installed.

Describe Area Affected and Cleanup Action Taken.\* Third party environmental contractor assessed the location and soil analytic results are pending. Field screening indicated that spoil pile was not way above regulatory standards and the pipeline was trenched in a very significantly confining layer of hard sandstone. Corrective actions will be conducted based on the laboratory analytic results, third party environmental contractor and agency recommendations. A c-141 "final" report will be submitted along with a third party environmental corrective action report once site closure standards have been met.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Matthew E. Marra	Approved by Environmental Specialist: 	
Title: Sr. Director - Environmental	Approval Date: 3/07/2013	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/7/2012 Phone: 713-381-6684		

\* Attach Additional Sheets If Necessary

nJK 1306651500

1

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

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

Form C-141  
Revised October 10, 2003

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report

☐ Final Report

Name of Company	Enterprise Field Services LLC	Contact	Jim Lieb
Address	PO Box 4324 / Houston, TX 77210-4324	Telephone No.	505-599-2159 cell 505-360-8776
Facility Name:	Arch Rock Compressor Station	Facility Type:	compressor station
Surface Owner:	Enterprise Field Services LLC	Mineral Owner	
		Lease No.	

#### LOCATION OF RELEASE

Unit Letter	Section	T	R	Feet from the	North/South Line	Feet from the	East/West Line	County
SW4	14	31N	10W					San Juan

Latitude N 36° 53'41.426" Longitude -107° 51'33.327" W

#### NATURE OF RELEASE

Type of Release:	Natural Gas	Volume of Release:	5 mmcf	Volume Recovered	0
Source of Release:	Piping and blow down vents	Date and Hour of Occurrence	12/10/12 5:00 PM	Date and Hour of Discovery	12/11/12 - 5:00 PM
Was Immediate Notice Given?	Yes <input type="checkbox"/> X No <input type="checkbox"/> Not Required <input type="checkbox"/>	If YES, To Whom?	RCVD DEC 17 '12		
By Whom?		Date and Hour	OIL CONS. DIV.		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	DIST. 3		

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken: Freezing weather caused loss of instrument air; this caused the entire station to ESD.

Describe Area Affected and Cleanup Action Taken: The event resulted in only a release of natural gas; no liquids 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:	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Matthew M. Marra	Approved by District Supervisor:	<i>Jonathan D. Kelly</i>
Title: Sr. Environmental Director	Approval Date: 2/11/2013	Expiration Date:
E-mail Address: memarra@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12-13-12 Phone: 713-381-6684 cell: 281-605-9289		

\* Attach Additional Sheets If Necessary

nJK13042 38584

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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: <b>Enterprise Products Operating</b>	Contact: <b>Aaron Dailey</b>
Address: <b>614 Reilly Ave, Farmington, New Mexico</b>	Telephone No: <b>(505) 599-2124</b>
Facility Name: <b>16" Trunk K</b>	Facility Type: <b>Natural Gas Pipeline</b>

Surface Owner: <b>BLM</b>	Mineral Owner: <b>BLM</b>	API No.
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#### LOCATION OF RELEASE

Unit Letter <b>H</b>	Section <b>26</b>	Township <b>27N</b>	Range <b>08W</b>	Feet from the <b>2620</b>	North/South Line <b>North</b>	Feet from the <b>80</b>	East/West Line <b>East</b>	County <b>San Juan</b>
-------------------------	----------------------	------------------------	---------------------	------------------------------	----------------------------------	----------------------------	-------------------------------	---------------------------

Latitude 36.54468 Longitude -107.64407

#### NATURE OF RELEASE

Type of Release: <b>Condensate/Produced Water Mix</b>	Volume of Release: <b>30-40 BBL</b>	Volume Recovered: <b>NA</b>
Source of Release: <b>Natural Gas Pipeline Release</b>	Date and Hour of Occurrence: <b>09/12/2012 @ 9:15 (GMT)</b>	Date and Hour of Discovery: <b>09/12/2012 @ 9:15 (GMT)</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Mr. Brandon Powell (NMOCD), Ms. Sherrie Landon (BLM), Mr. Dedeaux (NRC); NRC Case Number: 1024192</b>	
By Whom? <b>Aaron Dailey</b>	Date and Hour: <b>9/12/2012 @ 11:20 (GMT)</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


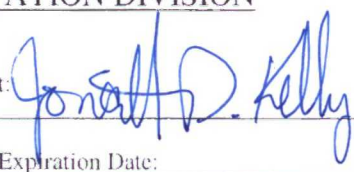
RCVD SEP 19 '12  
OIL CONS. DIV.  
DIST. 3

If a Watercourse was Impacted, Describe Fully.\*  
**No Watercourse Reached.**

Describe Cause of Problem and Remedial Action Taken.\* **Condensate and produced water was released from the Trunk K Pipeline. Due to the close proximity of the pipeline to Largo Canyon Wash (approximately 160 feet), the NRC and NMOCD contacted, environmental emergency personnel contacted, an emergency one-call initiated, the area of release was contained and initial cleanup response began once the pipeline was blown down. Currently, the pipeline has been/is being excavated for remedial repairs. The pipeline was discovered to contain multiple small holes due to corrosion.**

Describe Area Affected and Cleanup Action Taken.\* **Enterprise and third party environmental emergency personnel arrived on-site to assess and begin removal of hydrocarbon contaminated soil within the right-of-way. The areas affected are the soil surrounding the pipeline within the right-of-way and the soil to the east of the pipeline to approximately 30 feet from the high-water mark of Largo Canyon Wash. An area of approximately 55 feet by 5 feet by 6 feet long has been excavated for pipeline inspection. Contaminated soil from within the right-of-way is being transported to Envirotech's Soil Remediation Facility, Landfarm #2. The BLM was on-site to inspect contaminated soil located outside of the pipeline right-of-way. Alternative soil remediation techniques are currently being discussed with the BLM. Enterprise is currently continuing excavation activities of hydrocarbon contaminated soil and will submit a final remediation report upon completion of this project.**

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Aaron Dailey</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Scientist</b>	Approval Date: <b>10/23/2012</b>	Expiration Date:
E-mail Address: <b>amdailey@eprod.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>9.17.2012</b>	Phone: <b>(505) 599-2286</b>	

\* Attach Additional Sheets If Necessary

nJK 12297 39562

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 Products	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Chaco Gas Plant	Facility Type Gas Processing Plant

Surface Owner Private	Mineral Owner Private	API No.
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**LOCATION OF RELEASE**

Unit Letter I	Section 16	Township 26N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Natural gas to atmosphere	Volume of Release 621.373 MCF	Volume Recovered None (to atmosphere)
Source of Release Train 200 Side Reboiler	Date and Hour of Occurrence 8.28.2012 @ 12:30 hours	Date and Hour of Discovery 8.28.2012 @ 12:30 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell—Left phone message and e-mail	
By Whom? Jim Lieb	Date and Hour 8.29.2012 @ 07:45 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


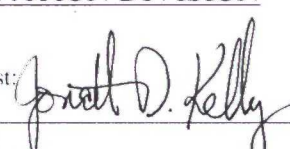
RCVD SEP 7 '12  
OIL CONS. DIV.  
DIST. 3

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Structural failure of the side reboiler on the 200 train resulted in a release of natural gas vapor. There were no injuries or fire as a result of this event. The volume of gas released includes emergency venting of gas from process vessels. The side reboiler is being evaluated to learn why it failed. A new reboiler will replace the existing one.

Describe Area Affected and Cleanup Action Taken.\* Gas loss to atmosphere; no environmental impact to ground.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 9/20/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 9.7.2012 Phone: (505)599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

NR 1226450903

Demethanizer				<table><tr><th>Component</th><th>Methane</th><th>Ethane</th><th>Propane</th><th>i-Butane</th><th>n-Butane</th><th>i-Pentane</th><th>n-Pentane</th><th>n-Hexane</th><th>CO2</th><th>Nitrogen</th></tr></table>										Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen																																																							
Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen																																																																					
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Gas Volume	2565.8958 ft^3	0.1501	385.14096																																																																												
Liquid Volume																																																																															
8% of gas volume based on liquid hold up, tray levels and packing factor:																																																																															
	205.271664 ft^3	0.7737	158.818686	<table><tr><th>Component</th><th>Methane</th><th>Ethane</th><th>Propane</th><th>i-Butane</th><th>n-Butane</th><th>i-Pentane</th><th>n-Pentane</th><th>n-Hexane</th><th>CO2</th><th>Nitrogen</th></tr><tr><td>Mole fractions</td><td>0.0015</td><td>0.5179</td><td>0.2274</td><td>0.0408</td><td>0.0619</td><td>0.0218</td><td>0.0165</td><td>0.0316</td><td>0.0806</td><td>0.0000</td></tr><tr><td>lbmoles</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>component</td><td>0.242671075</td><td>82.2470446</td><td>36.11105047</td><td>6.487206918</td><td>9.83703218</td><td>3.468474315</td><td>2.614922677</td><td>5.015801182</td><td>12.794483</td><td>0</td></tr><tr><td>MW component</td><td>16.0400</td><td>30.0700</td><td>44.0900</td><td>58.1200</td><td>58.1200</td><td>72.1500</td><td>72.1500</td><td>86.1700</td><td>44.0100</td><td>108.0200</td></tr><tr><td>lbs component</td><td>3.89</td><td>2.473.17</td><td>1.592.14</td><td>377.04</td><td>571.73</td><td>250.25</td><td>188.67</td><td>432.21</td><td>563.09</td><td>0.00</td></tr></table>										Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen	Mole fractions	0.0015	0.5179	0.2274	0.0408	0.0619	0.0218	0.0165	0.0316	0.0806	0.0000	lbmoles											component	0.242671075	82.2470446	36.11105047	6.487206918	9.83703218	3.468474315	2.614922677	5.015801182	12.794483	0	MW component	16.0400	30.0700	44.0900	58.1200	58.1200	72.1500	72.1500	86.1700	44.0100	108.0200	lbs component	3.89	2.473.17	1.592.14	377.04	571.73	250.25	188.67	432.21	563.09	0.00
Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen																																																																					
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lbs component	3.89	2.473.17	1.592.14	377.04	571.73	250.25	188.67	432.21	563.09	0.00																																																																					

High Pressure Cold Separator														
30 ft		HYSYS		Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen
		molar												
		desity												
		(lbmole/ft												
		^3)												
6 ft			lbmol	Mole fractions	0.917857825	5.10E-02	1.06E-02	9.75E-04	1.09E-03	1.84E-04	1.04E-04	7.21E-05	1.35E-02	4.55E-03
				lbmoles										
Gas Volume	848.230016 ft^3	0.3101	263.036128	component	241.4298	13.4252	2.7929	0.2565	0.2868	0.0484	0.0272	0.0190	3.5539	1.1964
				MW component	16.0400	30.0700	44.0900	58.1200	58.1200	72.1500	72.1500	86.1700	44.0100	108.0200
				lbs component	3,872.53	403.70	123.14	14.9094	16.6705	3.4888	1.9646	1.6348	156.4064	129.2347
Liquid Volume														
Assume 35% liquid level														
	296.880506 ft^3	0.9607	285.213102	Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen
				Mole fractions	0.552634398	0.17269955	0.128123652	0.0275	0.0435	0.0163	0.0125	0.0245	0.0213	0.0009
				lbmoles										
				component	157.6185709	49.2561756	36.54254427	7.835959102	12.4123689	4.650364601	3.553847275	6.989361303	6.08473174	0.26917816
				MW component	16.0400	30.0700	44.0900	58.1200	58.1200	72.1500	72.1500	86.1700	44.0100	108.0200
				lbs component	2,528.20	1,481.13	1,611.16	455.43	721.41	335.52	256.41	602.27	267.79	29.08
Refrigeration System														
5,000 Gallons of propane = 668.4045 ft^3				Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen
Number based on how much was purchased to refill system														
Density lb/ft^3														
35.38				lbs component	0.00	0.00	23,648.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Component	Methane	Ethane	Propane	i-Butane	n-Butane	i-Pentane	n-Pentane	n-Hexane	CO2	Nitrogen	
Total Pounds	12,511.8	4,382.3	26,974.6	847.4	1,309.8	589.3	447.0	1,036.1	1,067.8	348.1	31,204.2
Volume ft^3/lb	23.65	12.62	8.606	6.529	6.529	5.26	5.26	4.404	8.623	13.547	lbs VOCs
Total Volume ft^3	295904.10	55304.14	232143.56	5532.49	8551.72	3099.52	2351.44	4563.07	9207.84	4715.54	621,373.43 scf

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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral 3C-3 Pipeline	Facility Type 2 inch Pipeline Riser	
Surface Owner BLM	Mineral Owner BLM	API No.

**LOCATION OF RELEASE**

Unit Letter	Section 28	Township 29N	Range 13W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N36.692938\_ Longitude\_W108.316223 (Decimal Degrees)\_\_\_\_\_

**NATURE OF RELEASE**

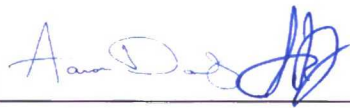
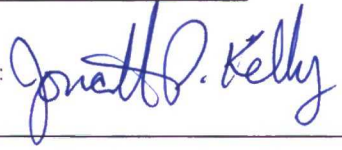
Type of Release Natural Gas	Volume of Release 210.5MCF	Volume Recovered: None—gas loss to atmosphere
Source of Release 2 inch riser	Date and Hour of Occurrence 1/16/2012 @ 00:40 hours	Date and Hour of Discovery 1/16/2012 @ 00:40 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD JAN 19 '12 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.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Emergency crews responding to a car accident called El Paso Gas advising them that a car had hit a pipeline and there was an odor of gas. El Paso Gas control contacted Enterprise Western Operations gas desk at 0040 hrs 1/16/12. Local Field operations were notified and dispatched to the site. Pipeline control was advised the car had hit a riser at lateral 3C3. The wells supplying the lateral were shut in and isolated. This line is non-DOT. There were no injuries, evacuations, or fires to report.

Describe Area Affected and Cleanup Action Taken.\* Upon inspection, it was determined that the gas loss was entirely to the atmosphere and there was no liquid or gas impact to soil or groundwater. This riser was permanently removed, a cap was installed, and the pipeline was recoated and backfilled.

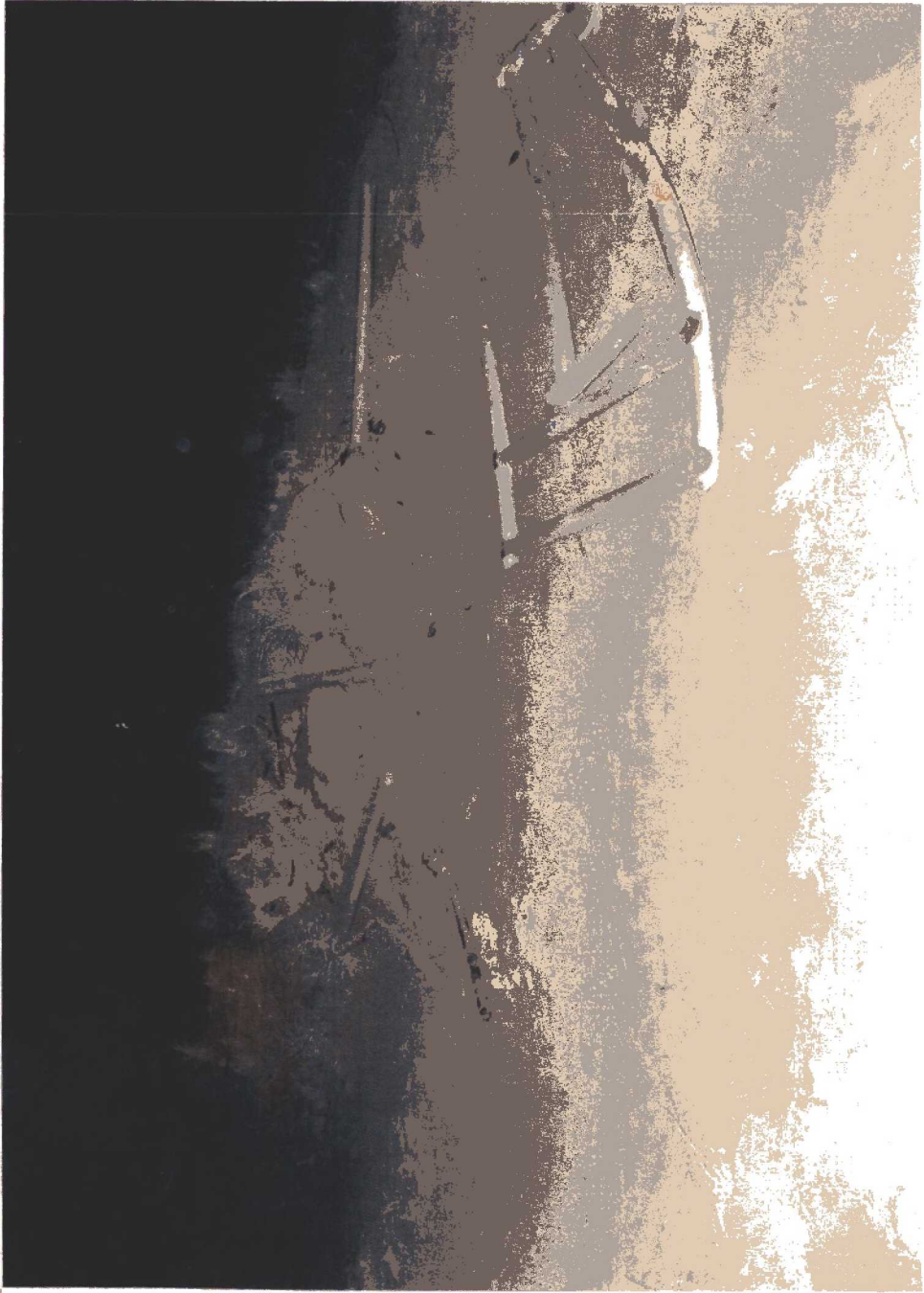
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 1/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1.16.2012 Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

nJK1201955466

2



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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lat 3B-13 and H-46 cross over	Facility Type Pipeline tie in point	
Surface Owner: Private	Mineral Owner: Private	API No.

**LOCATION OF RELEASE**

Unit Letter J	Section 22	Township 30 N	Range 11 W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.79690N Longitude 107.97722W (Decimal Degrees)

RCVD NOV 14 '12  
OIL CONS. DIV.  
DIST. 3

**NATURE OF RELEASE**

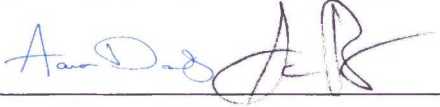
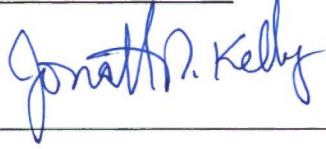
Type of Release Natural Gas Vapor	Volume of Release 102.5 MCF	Volume Recovered None-gas loss to atmosphere
Source of Release Corrosion coupon holder	Date and Hour of Occurrence 11.9.2012 @ 23:00 hours (approximate)	Date and Hour of Discovery 11.9.2012 @ 23:47 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, NM OCD Aztec District Office	
By Whom? Aaron Dailey	Date and Hour 11.10.2012 @ 07:39 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Local San Juan Operations received a call from Enterprise gas control stating that a Vehicle had hit an unidentified pipeline in Aztec NM on CR 2595. Upon arrival, Enterprise Supervisors met with the San Juan Co. Sheriff's and Fire. The pipeline was identified as Lateral 3B-13 and Lateral H-46 cross over. The vehicle ran off of the road struck the guard rail and wedged the hood under the riser knocking off the corrosion coupon holder. Enterprise technicians isolated the pipeline and allowed it to continue to blow down. After the vehicle was removed the one inch valve was replaced. The pipeline will remain out of service until the line can be exposed and determined safe to be placed back into service. This is a DOT jurisdictional pipeline.

Describe Area Affected and Cleanup Action Taken.\* Gas loss was to atmosphere; no soil or water impacted.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 11/27/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/13/2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK1233252414



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 Products	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Atlantic Fruitland 24 Com #2	Facility Type Well location meter run

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

Unit Letter L	Section 24	Township 31N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude N36.52°006" Longitude W107.50°006" (DDMMSS) see attached

**NATURE OF RELEASE**

Type of Release Natural gas condensate	Volume of Release Unknown (estimated @ 3-4 barrels at this time)	Volume Recovered 6 yards of condensate impacted soil removed from location
Source of Release Catalytic heater piping on meter tube	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 7.17.2012 @ 16:00 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD JUL 31 '12 OIL CONS. DIV. DIST. 3
By Whom? Aaron Dailey	Date and Hour 7.15.2012 @ 15:57 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

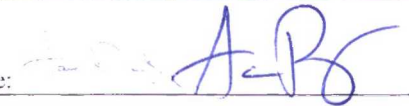
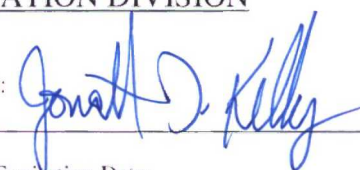
Describe Cause of Problem and Remedial Action Taken.\*

Enterprise measurement technician found stained soil beneath the meter tube. The technician discovered the source of the leak, which was the 1/4" gas supply valve to the catalytic heater, which was a result of the meter tube filling with condensate and overflowing through the catalytic heater. The technician shut in this supply valve and contacted his supervisor and the Enterprise environmental department.

Describe Area Affected and Cleanup Action Taken.\*

Initial cleanup actions were taken beginning 7/17/2012. Currently, the majority of the impact is believed to have been removed, which is a 6' X 6' X 4' hand excavation. A third party environmental contractor is working to assist with the cleanup of this location. Augering down to a depth of 9' directly below the impacted area has shown condensate impacts above the OCD standard. Since this release is directly beneath a meter run location, access by heavy excavation equipment is prohibitive. An investigation and path forward to cleanup is being developed at this time.

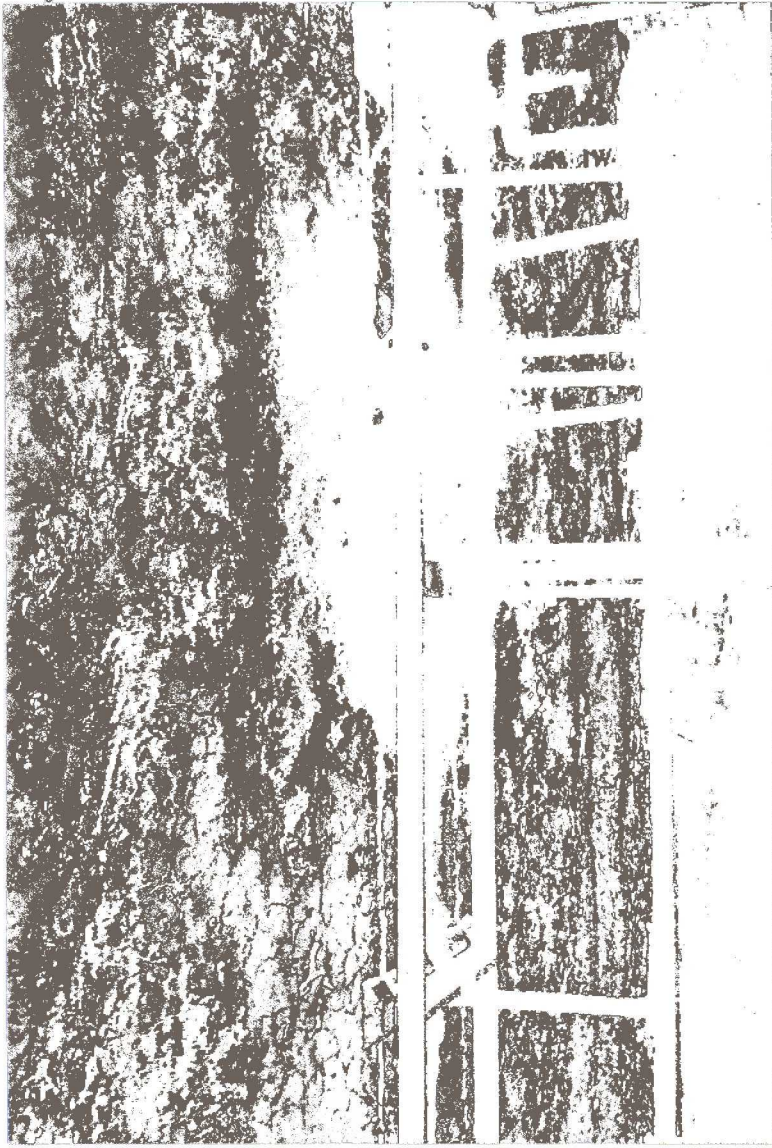
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 7/31/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7.30.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK1221356673

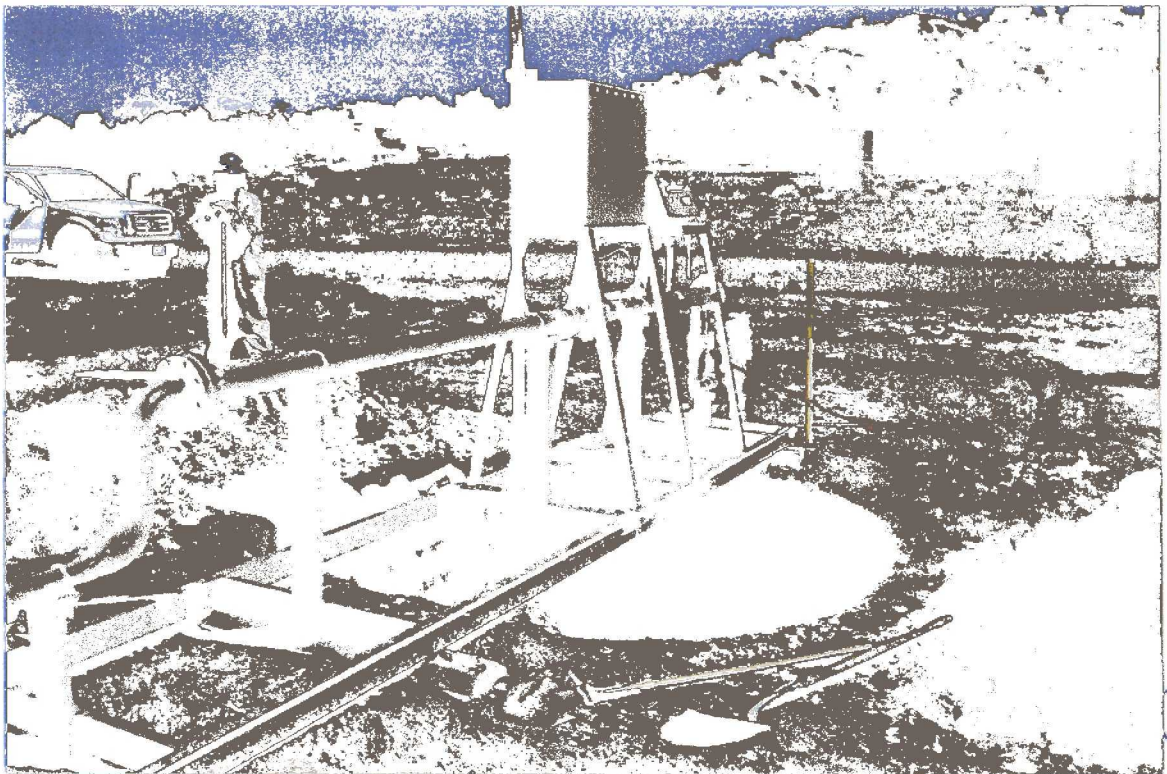




①



②



③

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 Products	Contact	Aaron Dailey
Address	614 Reilly Avenue, Farmington NM 87401	Telephone No.	(505)599-2286
Facility Name	Jicarilla Apache D#4 Well Tie Line	Facility Type	Natural Gas Gathering line

Surface Owner	Jicarilla Apache	Mineral Owner	Jicarilla Apache	API No.
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	36	24N	5W					San Juan

Latitude\_\_ Longitude\_\_

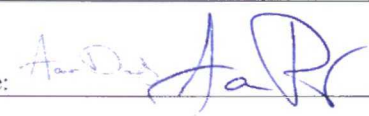
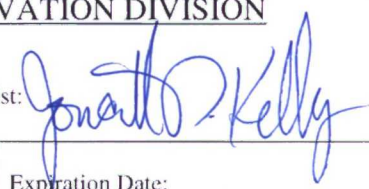
**NATURE OF RELEASE**

Type of Release	Natural gas condensate and produced water mist	Volume of Release		Volume Recovered	
Source of Release	Meter tube vent valve	Date and Hour of Occurrence	5/18/2012 @ 11:30 hours	Date and Hour of Discovery	5/18/2012 @ 11:30 hours
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Bryce Hammond, BLM inspector with the Jicarilla Tribe		
By Whom?	Aaron Dailey	Date and Hour	5/18/2012 @ 17:49 hours		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	RCVD MAY 31 '12 OIL CONS. DIV. DIST. 3		
If a Watercourse was Impacted, Describe Fully.*					

Describe Cause of Problem and Remedial Action Taken.\* Employee was pressuring up and purging a meter run after performing an orifice plate inspection when a mist of water/condensate blew out the vent valve. The employee closed the vent valve as soon as he could. A patch of soil near the meter run was stained. Less than five gallons was blown out of the meter run vent valve.

Describe Area Affected and Cleanup Action Taken.\* The affected area is limited to vegetation in a cone shape that was in the path of the mist that came out. Soils sampled by a third party environmental contractor were found to be relatively low on a photo ionization detector and labs are pending laboratory results. A contractor is applying water and "Simple Green" diluted mixture to the vegetation in order to remove and break down residual hydrocarbons. A final c-141 and third party corrective action report will be submitted to the Jicarilla Environmental Protection Office and the NM OCD once this 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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 6/04/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 5.29.2012	Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

NJK1215637839



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Blanco Condensate Storage Facility	Facility Type Condensate Storage Facility	
Surface Owner Private	Mineral Owner Private	API No.

**LOCATION OF RELEASE**

Unit Letter C	Section 14	Township 29N	Range 11W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N36.43'49" Longitude\_W107.57'54" (DDMMSS)\_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Natural Gas Vapor	Volume of Release 13.8 mmcf	Volume Recovered None
Source of Release Vent pipe plumbed to the 1000 barrel condensate storage tank	Date and Hour of Occurrence 7.14.2012 @ 07:00 hours	Date and Hour of Discovery 7.15.2012 @ 09:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, NM OCD Aztec	<b>RCVD JUL 23'12 OIL CONS. DIV. DIST. 3</b>
By Whom? Aaron Dailey	Date and Hour 7.15.2012 @ 15:57 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


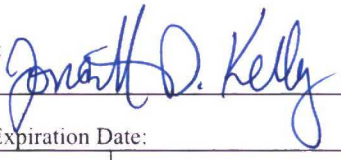
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Trunk 4A four inch plug was left open into Blanco recovery system causing vent valve to open into the 1000 bbl vent tank. Gas loss was to atmosphere; no liquids vented into tank nor did any release occur to the ground. Upon discovery, this valve was returned to the closed position. Employee was called in and asked questions on what occurred that day that valve was left open, he answered that after opening valve he was distracted by a methanol pump that was operating faster than normal and stepped over adjust it and after adjusting forgot about the valve that he had opened.

Describe Area Affected and Cleanup Action Taken.\* Gas loss was to atmosphere. Please see attached gas loss sheet and VOC calculation.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 7/25/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7.19.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK 1220730017

# FROM ENTERPRISE MEASUREMENT GROUP:

	Reading Time	rattlesnake		14387 to		88452 to		Balance (MCF)
		discharge	A plant	chaco		2A		
	7/14/2012 1:00	980.04	983.33	7/14/2012 1:00	0	7/14/2012 1:00	7.06	-3.29
	7/14/2012 2:00	1005.42	1004.17	7/14/2012 2:00	0	7/14/2012 2:00	6.96	1.25
	7/14/2012 3:00	1005.61	1004.17	7/14/2012 3:00	0	7/14/2012 3:00	7.13	1.44
	7/14/2012 4:00	996.13	995.83	7/14/2012 4:00	0	7/14/2012 4:00	7.47	0.30
	7/14/2012 5:00	990.27	983.33	7/14/2012 5:00	0	7/14/2012 5:00	13.98	6.94
	7/14/2012 6:00	999.68	1008.33	7/14/2012 6:00	0	7/14/2012 6:00	25.1	-8.65
EVENT	7/14/2012 7:00	988.1	400.00	7/14/2012 7:00	0	7/14/2012 7:00	74.95	588.10
	7/14/2012 8:00	987.16	266.67	7/14/2012 8:00	0	7/14/2012 8:00	81.83	720.49
	7/14/2012 9:00	990.16	254.17	7/14/2012 9:00	0	7/14/2012 9:00	83.58	735.99
	7/14/2012 10:00	1052.62	12.50	7/14/2012 10:00	1,194.11	7/14/2012 10:00	80.8	-153.99
	7/14/2012 11:00	1007.9	0.00	7/14/2012 11:00	667.56	7/14/2012 11:00	78.38	340.34
	7/14/2012 12:00	1078.08	0.00	7/14/2012 12:00	231.48	7/14/2012 12:00	77.71	846.60
	7/14/2012 13:00	1046.06	0.00	7/14/2012 13:00	0	7/14/2012 13:00	79.25	1046.06
	7/14/2012 14:00	1037.44	266.67	7/14/2012 14:00	0	7/14/2012 14:00	80.79	770.77
	7/14/2012 15:00	1032.24	291.67	7/14/2012 15:00	0	7/14/2012 15:00	81.26	740.57
	7/14/2012 16:00	1034.07	283.33	7/14/2012 16:00	0	7/14/2012 16:00	81.37	750.74
	7/14/2012 17:00	1027.67	95.83	7/14/2012 17:00	926.21	7/14/2012 17:00	79.27	5.63
	7/14/2012 18:00	1030.99	0.00	7/14/2012 18:00	681.24	7/14/2012 18:00	76.5	349.75
	7/14/2012 19:00	1029.87	0.00	7/14/2012 19:00	617.61	7/14/2012 19:00	76.33	412.26
	7/14/2012 20:00	1016.7	0.00	7/14/2012 20:00	593.07	7/14/2012 20:00	76.08	423.63
	7/14/2012 21:00	1018.09	0.00	7/14/2012 21:00	544.36	7/14/2012 21:00	75.72	473.73
	7/14/2012 22:00	1032.4	0.00	7/14/2012 22:00	584.44	7/14/2012 22:00	75.24	447.96
	7/14/2012 23:00	1036.41	0.00	7/14/2012 23:00	575.31	7/14/2012 23:00	75.42	461.10
	7/15/2012 0:00	1036.97	0.00	7/15/2012 0:00	206.64	7/15/2012 0:00	75.91	830.33
	7/15/2012 1:00	1035.65	0.00	7/15/2012 1:00	366.86	7/15/2012 1:00	77.43	668.79
	7/15/2012 2:00	1042.93	0.00	7/15/2012 2:00	638.99	7/15/2012 2:00	80.28	403.94
	7/15/2012 3:00	1038.79	0.00	7/15/2012 3:00	619.05	7/15/2012 3:00	78.7	419.74
	7/15/2012 4:00	1029.89	0.00	7/15/2012 4:00	785.13	7/15/2012 4:00	77.44	244.76
	7/15/2012 5:00	1031.1	0.00	7/15/2012 5:00	615.63	7/15/2012 5:00	75.53	415.47
	7/15/2012 6:00	1031.71	0.00	7/15/2012 6:00	610.17	7/15/2012 6:00	75.45	421.54
	7/15/2012 7:00	1029.78	0.00	7/15/2012 7:00	602.1	7/15/2012 7:00	76.45	427.68
	7/15/2012 8:00	1031.73	0.00	7/15/2012 8:00	601.61	7/15/2012 8:00	76.17	430.12
	7/15/2012 9:00	1031.02	0.00	7/15/2012 9:00	593.48	7/15/2012 9:00	75.59	437.54
	7/15/2012 10:00	1028.93	0.00	7/15/2012 10:00	872.32	7/15/2012 10:00	38.3	156.61
	7/15/2012 11:00	1035.89	0.00	7/15/2012 11:00	1,054.02	7/15/2012 11:00	7.87	-18.13
	7/15/2012 12:00	1034.54	458.33	7/15/2012 12:00	0	7/15/2012 12:00	0	576.21
	7/15/2012 13:00	1030.47	1083.33	7/15/2012 13:00	0	7/15/2012 13:00	7.97	-52.86
	7/15/2012 14:00	1027.13	1020.83	7/15/2012 14:00	0	7/15/2012 14:00	7.93	6.30
	7/15/2012 15:00	1039.29	1025.00	7/15/2012 15:00	0	7/15/2012 15:00	7.88	14.29
	7/15/2012 16:00	1023.81	1025.00	7/15/2012 16:00	0	7/15/2012 16:00	7.96	-1.19

13816.26 total

13.8 MMCF

Excerpt from Enterprise engineer working the VOC loss for air quality reportability purposes:

I used a gas analysis from the MPS system for Rattlesnake residue gas dated 7/1/12 indicating the following composition in mol%'s: Nitrogen = 0.0416; CO<sub>2</sub> = 0.1328; C<sub>1</sub> = 99.3749; C<sub>2</sub> = 0.4044; C<sub>3</sub> = 0.0322; iC<sub>4</sub> = 0.005; nC<sub>4</sub> = 0.0047; C<sub>5</sub> = 0.0014; C<sub>6</sub>+ = 0.003.

Applying the above analysis to the volume of 13,816.26 MCF yields the following VOC quantities in pounds: Propane = 517, i-Butane = 105.8; n-Butane = 99.5; Pentane = 36.8; Hexane+ = 94.1; Total VOC's = 853.2.

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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 Products Operating, LP	Contact: Aaron Dailey
Address: 614 Reilly Avenue, Farmington, NM, 87401	Telephone No.: (505) 599-2286
Facility Name: Gallegos Well Tie #90898/Gallegos #2	Facility Type: Well Tie Pipeline

Surface Owner: Navajo Nation Tribal Land	Mineral Owner: Tribal	API No.
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	29	26N	11W					San Juan

Latitude N36.45989 Longitude W108.02190

RCVD JUN 27 '12  
OIL CONS. DIV.  
DIST. 2

**NATURE OF RELEASE**


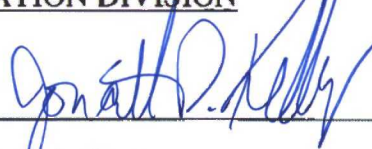
Type of Release: Natural Gas/Condensate	Volume of Release: 100 MCF gas and 5 bbls liquid	Volume Recovered: 120 cy of petroleum hydrocarbon contaminated soils
Source of Release: 4" gathering line external corrosion hole	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Laboratory analysis confirming groundwater impact received June 19, 2012 at 1430 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Glenn von Gonten and Brandon Powell, NMOCD and Steve Austin, NNEPA	
By Whom? Tami C. Ross, Animas Environmental Services	Date and Hour: June 19, 2012, at 1530 hours	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown. Workplan to delineate area of impact has been submitted to NMOCD and NNEPA on June 22, 2012.	

If a Watercourse was Impacted, Describe Fully.\* Groundwater in the Gallegos Wash was encountered at approximately 2.25 feet below ground surface (bgs). Horizontal extent of the dissolved phase plume will be delineated upon approval of the workplan submitted on June 22, 2012.

Describe Cause of Problem and Remedial Action Taken.\* June 6 through June 12, 2012, an estimated 120 cy of petroleum hydrocarbon contaminated soil was removed from the Gallegos Wash. Groundwater was encountered at approximately 2.25 feet bgs. A groundwater sample was collected from the base of the excavation and submitted for laboratory analysis. Laboratory results confirmed groundwater impact.

Describe Area Affected and Cleanup Action Taken. The proposed work plan includes installing a minimum of eight sampling points (temporary wells). Soil samples and water samples will be collected from each sampling point and submitted for laboratory analysis. Based on the laboratory results, a remedial action plan for the residual petroleum hydrocarbon contamination will be developed.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Environmental Scientist	Approval Date: <u>7/26/2012</u>	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6.21.2012	Phone: (505) 599-2286	

\* Attach Additional Sheets If Necessary

WJ K128854326

2

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral D-9 Thermo Electric Generator	Facility Type Cathodic Protection	
Surface Owner Private	Mineral Owner Private	API No.

**LOCATION OF RELEASE**

Unit Letter K	Section 29	Township 27N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N36.5434\_ Longitude\_W107.7071 (Dec Degrees)\_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Small Fire	Volume of Release N/A	Volume Recovered N/A
Source of Release Thermo Electric Generator (TEG) unit	Date and Hour of Occurrence 2/8/2012 @ 09:45 hours (est)	Date and Hour of Discovery 2/8/2012 @ 09:50 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, Aztec District Office	
By Whom? Aaron Dailey, Enterprise Environmental	Date and Hour 2/8/2012 @ 13:00 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RCVD FEB 16 '12  
OIL CONS. DIV.  
DIST. 3

If a Watercourse was Impacted, Describe Fully.\*

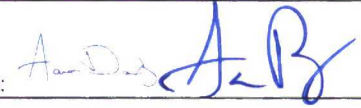
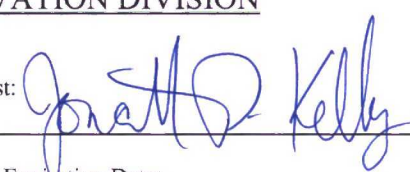
Describe Cause of Problem and Remedial Action Taken.\*

A third party truck driver reported to Enterprise personnel that a fire was burning near the Lateral D-9 10" launcher. Area technicians were dispatched and found the Thermal Electric Generating unit burning with a 3' flame engulfing the TEG unit. Area technicians shut in fuel supply at the K-46 dogleg and the fire was extinguished. Area Supervisor met with local fire department and State Police prior to them reaching this location, they were informed that fire had been extinguished and there was no adverse environmental impact. Area Supervisor and Safety personnel arrived on location along with area Corrosion technician and discussed possible cause of fire. Supply gas was removed from the TEG unit until unit can it can be replaced. Please see attached documentation/possible cause and photos.

Describe Area Affected and Cleanup Action Taken.\*

No adverse environmental impact to soil or adjacent vegetation was observed or noted in the investigation following the extinguished fire. Please see attached photos.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 2/27/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 2.14.2012 Phone: (505)599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

nJK1205853705





## Dailey, Aaron

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**From:** Stewart, Chad  
**Sent:** Thursday, February 09, 2012 2:34 PM  
**To:** Hale, Gregory; Dwyer, Stephen  
**Subject:** FW: D-9 TEG Unit 1st set of pictures

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**From:** Dan Midea [mailto:Dan.Midea@globalte.com]  
**Sent:** Thursday, February 09, 2012 1:36 PM  
**To:** Stewart, Chad  
**Subject:** RE: D-9 TEG Unit 1st set of pictures

Chad,

Please see our Service Managers response below.

Give me a call if you would like to discuss....I agree with his observations completely.

Dan

**From:** Greg Baerg  
**Sent:** Thursday, February 09, 2012 3:07 PM  
**To:** Dan Midea  
**Subject:** FW: 5220 TEG Fire

From the photos we've received, we have made the following assumptions. Note that our comments are specific to the TEG and we are not going to comment on the fire on the processing equipment outside of the TEG.

- The fire inside the TEG cabinet appears to have been centered between the burner air screen and the top of the fuel regulator. This is supported by the presence of orange iron oxide on the surface of the fuel flex line, which only forms in very aggressive oxidation conditions as is present in a flame path, and the fact that only the top half of the aluminum bodied regulator melted.
- The aluminum bodied fuel shut-off valve, pressure switch and manifold block, usually present between the regulator and the flex line, is completely missing. The white material seen at the bottom of the TEG cabinet is very likely aluminum oxide, the product of melted and oxidized aluminum components.
- The wires coming out of the TEG's power unit, observed below the burner inside the cabinet, appear not to be burnt. This, along with the carbon deposition in the top half of the cabinet, suggests that the flame was not present at the back bottom of the cabinet.

We suggest that the sequence of events may have been:

1. Flame propagated from inside the burner to the burner's air screen, directed back towards the regulator and shutoff valve. To the best of our knowledge, the most likely cause of this is the presence of condensates at the burner's orifice. Condensate would drip out of the orifice and pool until being ignited by the flame within the combustion zone.
2. This condensate fuelled fire would then melt the aluminum shutoff valve, pressure switch and top of the regulator.
3. The flame would then establish itself back at the fuel entry point in the regulator.

4. The flame would not be shut down by the shutoff valve because the shutoff valve is gone. It could only be shut off by closing the fuel feed to the regulator.
5. The flame within the TEGs cabinet likely ignited the flames behind the TEG but did not directly impinge on the components behind the TEG. There's nothing to suggest the flames exited the back bottom of the cabinet.

Our experience suggests that fires outside of the TEGs combustion chamber are rare. The ones that have been observed are often attributable to the presence of condensates in the fuel stream.

---

**From:** Stewart, Chad [mailto:CStewart@eprod.com]  
**Sent:** Thursday, February 09, 2012 12:02 PM  
**To:** Hale, Gregory  
**Cc:** Dan Midea; Dwyer, Stephen  
**Subject:** RE: D-9 TEG Unit 1st set of pictures

Greg,

After reviewing the photos, I believe anything is possible and the cause may never be determined. I don't feel the possibility of a hydrocarbon slug should be ruled out. I believe it is possible that hydrocarbons made their way through the filtration system to the regulator inside the TEG cabinet where it was ignited. I feel that the heat generated from the fire may have melted the rubber O-ring inside the in-line filter which was most likely saturated with hydrocarbon residue. After the O-ring failed I believe that liquid hydrocarbons sprayed out onto the filter pot where it continued to burn until the fuel supply was depleted.

I spoke with Dan Midea on the telephone earlier and he will review the photos; as well as other Global employees, and share their thoughts.

---

**From:** Hale, Gregory  
**Sent:** Thursday, February 09, 2012 7:51 AM  
**To:** Stewart, Chad; Dwyer, Stephen  
**Subject:** FW: D-9 TEG Unit 1st set of pictures

FYI

---

**From:** Cooley, Shane  
**Sent:** Thursday, February 09, 2012 7:29 AM  
**To:** Armstrong, Lawrence; Morrow, Derrell; Dailey, Aaron; Hale, Gregory  
**Cc:** Cassida, Scott  
**Subject:** D-9 TEG Unit 1st set of pictures

Blair,

These are the pictures that were taken by Duane Plummer when he arrived on location. As you can see there must have been several leaks on fittings at the drip pot, filter, and on the TEG unit itself.

*Shane Cooley*  
Supervisor Chaco Gathering  
505-632-6463  
505-947-8391

RCVD JAN 18 '12

OIL CONS. DIV.  
DIST. 3  
Form C-141  
Revised October 10, 2003

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

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Energy Minerals and Natural Resources

Oil Conservation Division  
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Santa Fe, NM 87505

Submit 2 Copies to appropriate  
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with Rule 116 on back  
side of form

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report


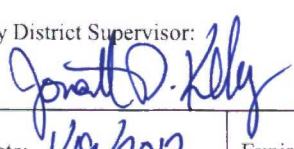
Name of Company: Enterprise Products	Contact: Aaron Dailey
Address: 614 Reilly Avenue, Farmington 87401	Telephone No.: (505) 599-2286
Facility Name: Smyers LS #1	Facility Type: Pipeline
Surface Owner : Private	Mineral Owner: BLM
Lease No.	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	2	31N	11W					San Juan

Latitude N36.9234° Longitude W107.96495° Units=Decimal Degrees

## NATURE OF RELEASE

Type of Release : Natural Gas, Condensate, and Produced Water. Groundwater impact has been confirmed via laboratory analysis.	Volume of Release: Unknown	Volume Recovered: ~ 100 cubic yards of petroleum contaminated soil has been removed from site
Source of Release: 2" pipeline	Date and Hour of Occurrence: Original release discovered on 12/26/11 at 1500 hours	Date and Hour of Discovery: Groundwater results received 01/13/12 at 1510 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly of NMOCD was notified on 01/13/12 at 1620 hours via voicemail. Glenn von Gonten of NMOCD was notified on 01/13/12 at 1621 hours via email. This form acts as the groundwater impact written notification to NMOCD.	
By Whom? Tami C. Ross, Animas Environmental Services (AES)	Date and Hour: 01/13/12 at 1622 hours	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	
If a Watercourse was Impacted, Describe Fully.* Kiffen Wash has been impacted. Emergency soil excavation activities were completed on 12/27/11, 01/12/12 and 01/13/12.		
Describe Cause of Problem and Remedial Action Taken.* The pipeline was shut in and blown down on 12/26/11 but has not been repaired. Soil and groundwater investigation activities were conducted on 12/27/11, 01/12/12 and 01/13/12. Soil borings were installed using a hand auger on 12/26/11. Test pits were excavated using a backhoe. Soil and grab groundwater samples were collected for laboratory analysis. Upon receipt of laboratory reports, a site investigation workplan will be submitted for approval. A copy of the investigation report will be submitted to applicable agencies.		
Describe Area Affected and Cleanup Action Taken.* Once the area has been delineated, an appropriate OCD approved remediation method will be conducted at this location.		
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: Aaron Dailey	Approved by District Supervisor: 	
Title: Field Environmental Scientist	Approval Date: 1/9/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/16/2012	Phone: (505) 599-2286	

NJK 120195249

I II  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
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District IV  
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Energy Minerals and Natural Resources

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Santa Fe, NM 87505

RCVD MAR 28 '12  
OIL CONS. DIV.  
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side of form

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company: Enterprise Products	Contact: Aaron Dailey
Address: 614 Reilly Avenue, Farmington 87401	Telephone No.: (505) 599-2286
Facility Name: Smyers LS #1	Facility Type: Pipeline

Surface Owner : Private	Mineral Owner: BLM	Lease No.
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	2	31N	11W					San Juan

Latitude N36.9234° Longitude W107.96495° Units=Decimal Degrees

**NATURE OF RELEASE**

Type of Release : Natural Gas, Condensate, and Produced Water. Groundwater impact has been confirmed via laboratory analysis.	Volume of Release: Unknown	Volume Recovered:~ 100 cubic yards of petroleum contaminated soil has been removed from site
Source of Release: 2" pipeline	Date and Hour of Occurrence: Original release discovered on 12/26/11 at 1500 hours	Date and Hour of Discovery: Groundwater results received 01/13/12 at 1510 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly of NMOCD was notified on 01/13/12 at 1620 hours via voicemail. Glenn von Gonten of NMOCD was notified on 01/13/12 at 1621 hours via email. This form acts as the groundwater impact written notification to NMOCD.	
By Whom? Tami C. Ross, Animas Environmental Services (AES)	Date and Hour: 01/13/12 at 1622 hours	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.\* Kiffen Wash has been impacted. Emergency soil excavation activities were completed on 12/27/11, 01/12/12 and 01/13/12.

**Describe Cause of Problem and Remedial Action Taken.\***

The pipeline was shut in and blown down on 12/26/11 but has not been repaired. Soil and groundwater investigation activities were conducted on 12/27/11, 01/12/12 and 01/13/12. Soil borings were installed using a hand auger on 12/26/11. Test pits were excavated using a backhoe. Soil and grab groundwater samples were collected for laboratory analysis. Upon receipt of laboratory reports, a site investigation workplan will be submitted for approval. A copy of the investigation report will be submitted to applicable agencies.

**Describe Area Affected and Cleanup Action Taken.\***

Once the area has been delineated, an appropriate OCD approved remediation method will be conducted at this location.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by District Supervisor: 	
Title: Field Environmental Scientist		Approval Date: 4/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/16/2012	Phone: (505) 599-2286		

nJK 1211050017

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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District IV  
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Oil Conservation Division  
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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Federal 2E#1	Facility Type Well tie line	
Surface Owner Navajo Tribal	Mineral Owner Navajo Tribal	API No.

**LOCATION OF RELEASE**

Unit Letter G	Section 2	Township 27N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**


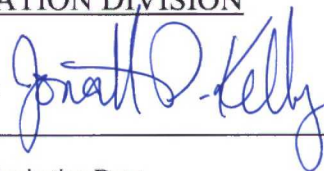
Type of Release Natural Gas release	Volume of Release 141 MCF gas and 3 barrels liquid (est.)	Volume Recovered approximately 120 yards of contaminated soil
Source of Release 4" gathering line corrosion hole	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 3.15.2012 @ 16:00 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? RCVD MAR 28 '12	
By Whom?	Date and Hour OIL CONS. DIV.	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* A third party worker for NAPI discovered a pipeline leak in field 409A. Enterprise operators responded to safely isolate the pipe. This pipeline was repaired on 3.27.2012.

Describe Area Affected and Cleanup Action Taken.\* Approximately 120 yards of contaminated soil was removed from the area. During the excavation, it was discovered that soils directly below the pipe had been impacted at depths exceeding 23 feet. Therefore, an alternative remediation method was determined to be appropriate based on the risk of continuing with a conventional dig and haul remediation. The proposed remediation will be using soil vapor extraction techniques which will be implemented after the fall corn harvest has been completed, which would be estimated to be November 2012. The soils in and well below the root zone in the affected area have been replaced with clean fill material approved by NAPI personnel. The estimated residual hydrocarbon impacted soil is at depths well below the root zone in this field. There is no apparent groundwater impact at this location as groundwater is estimated to be at a depth of greater than 50 feet. A delineation drill process is to begin on 3.29.2012. A third party environmental report will be submitted to affected/involved agencies/landowners once this information and data has been compiled.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 4/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 3.27.2012 Phone: (505)599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

nJK 1211049719

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  
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Santa Fe, NM 87505

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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Howell # 1 Well tie pipeline	Facility Type Well tie pipeline	
Surface Owner: BLM	Mineral Owner: BLM	API No.

**LOCATION OF RELEASE**

Unit Letter	Section 3	Township 30 N	Range 8 W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36 50.142'N Longitude 107 40.160'W (DDMMSS)\_\_\_\_\_

RCVD MAR 1'12  
OIL CONS. DIV.  
DIST. 3

**NATURE OF RELEASE**

Type of Release Natural Gas and Natural Gas Condensate	Volume of Release 632 MCF gas (estimate) and 7-10 Barrels liquid (estimate)	Volume Recovered 160 yards contaminated soil
Source of Release 4" well tie pipeline	Date and Hour of Occurrence Prior to 02.09.2012 (estimated)	Date and Hour of Discovery 02.09.2012 @ 11:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, NM OCD Aztec District Office	
By Whom?	Date and Hour 02.27.2012 @ 13:00 hours—this was within 24 hours of when the gas loss estimate was calculated	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


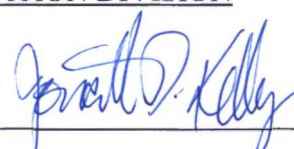
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

3rd party reported a gas line leak near the Howell #1 well location. A technician was dispatched and discovered a pipeline leak 150 yards from the well pad. The 4" pipeline was isolated, depressurized and locked and tagged out. The pipeline location is in Sec 3, T30N, R8W (36 50.142' N, 107 40.160' W). No visible liquids were present on the soil. The leak is located in a class 1 area. The Manager and environmental scientist were notified. Gas loss was estimated once the pipeline was exposed and inspected.

Describe Area Affected and Cleanup Action Taken.\* The area was remediated using dig and haul techniques. Hydrocarbon impacted soil was hauled to an OCD permitted facility. Confirmation sampling of the area was conducted by a third party environmental contractor and a report will be submitted to the Aztec office along with the c-141 "Final" report.

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

Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: <u>3/6/2012</u>	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 02.29.2012 Phone: (505)599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

55K12065 31422

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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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Chaco Gas Plant	Facility Type Gas Processing Plant	
Surface Owner Private	Mineral Owner Private	API No.

**LOCATION OF RELEASE**

Unit Letter I	Section 16	Township 26N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

RCVD FEB 27 '12  
OIL CONS. DIV.  
DIST. 3



**NATURE OF RELEASE**

Type of Release Produced water, condensate and lube oil	Volume of Release 7-9 Barrels (est.)	Volume Recovered approximately 45 yards of stained soil and oil mix
Source of Release 4" valve that froze and burst	Date and Hour of Occurrence 2.10.2012 @ 20:15 hours	Date and Hour of Discovery 2.10.2012 @ 20:15 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.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.\* A line that has been out of service for several years had a rupture as a result of an ice freeze on this portion of the line, which de-inventoried water, condensate and lube oil directly below the valve rupture location. Upon discovery, employees shut the valves and cordoned the spill area. Stained soil in area was excavated by hand and will be hauled to an OCD approved landfarm pending analytic results. Microbes were emplaced over the excavated area to enhance bioremediation, then straw was placed over the microbes. A third party environmental contractor conducted confirmation sampling and a report will be submitted to the Aztec office once this is complete.

Describe Area Affected and Cleanup Action Taken.\* Area affected was soil directly beneath the burst valve on the plant piping inside the facility. Please refer to the text above; a third party environmental report will be submitted to the Aztec office once the report is 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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 3/5/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2.23.2012	Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

nJR1206532040

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
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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 Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral K-12 Loop Tank # Y-3	Facility Type Condensate storage tank	
Surface Owner BLM	Mineral Owner BLM	API No.

**LOCATION OF RELEASE**

Unit Letter SW/4	Section 23	Township 27N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude \_\_\_ Longitude \_\_\_

**NATURE OF RELEASE**

Type of Release Historical impacts discovered during cleanup of a 1 barrel (estimated) release	Volume of Release: Unknown (estimated @ 5-10 barrels)	Volume Recovered 120 yards of contaminated soil removed at this time
Source of Release Historical impacts to soil from either an unlined pit or tank overtopping events	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 4.5.2012 @ 15:00 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD APR 10 '12 OIL CONS. DIV.
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	DIST. 3

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* During the cleanup of an estimated 1 barrel release, historical impacts were discovered in soil well below grade. The backhoe that was being used to clean the area up went as deep/vertical as possible without being able to bring up a clean soil sample. Third party environmental support is being utilized at this location.

Describe Area Affected and Cleanup Action Taken.\* The majority of the impacted soil has been removed, but a trackhoe excavator has been brought in on 4.9.2012 in order to gain more vertical depth and hopefully remove all of the contaminated soil that is above OCD standard. A final C-141 report will be submitted along with a third party environmental report once complete.

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: <i>A. Dailey</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: <i>Jonathan D. Kelly</i>	
Title: Field Environmental Scientist	Approval Date: 4/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4.9.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

n5K1211037846

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  
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Oil Conservation Division  
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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 Products	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Howell # 1 Well tie pipeline	Facility Type Well tie pipeline
Surface Owner: BLM	Mineral Owner: BLM
API No.	

RCVD APR 6 '12

OIL CONS. DIV.  
DIST. 8

#### LOCATION OF RELEASE

Unit Letter	Section 3	Township 30 N	Range 8 W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_36 50.142'N Longitude\_107 40.160'W (DDMMSS)\_\_\_\_\_

#### NATURE OF RELEASE

Type of Release Natural Gas and Natural Gas Condensate	Volume of Release 632 MCF gas (estimate) and 7-10 Barrels liquid (estimate)	Volume Recovered 160 yards contaminated soil
Source of Release 4" well tie pipeline	Date and Hour of Occurrence Prior to 02.09.2012 (estimated)	Date and Hour of Discovery 02.09.2012 @ 11:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, Staff Manager, NM OCD Aztec District Office	
By Whom?	Date and Hour 02.27.2012 @ 13:00 hours—this was within 24 hours of when the gas loss estimate was calculated	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RCVD APR 9 '12  
OIL CONS. DIV.  
DIST. 3


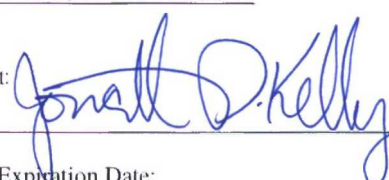
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*  
3rd party reported a gas line leak near the Howell #1 well location. A technician was dispatched and discovered a pipeline leak 150 yards from the well pad. The 4" pipeline was isolated, depressurized and locked and tagged out. The pipeline location is in Sec 3, T30N, R8W (36 50.142' N, 107 40.160' W). No visible liquids were present on the soil. The leak is located in a class 1 area. The Manager and environmental scientist were notified. Gas loss was estimated once the pipeline was exposed and inspected.

Describe Area Affected and Cleanup Action Taken.\* The area was remediated using dig and haul techniques. Hydrocarbon impacted soil was hauled to an OCD permitted facility. Confirmation sampling of the area was conducted by a third party environmental contractor. The third party environmental report is attached to this final report.

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

#### OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Aaron Dailey		
Title: Field Environmental Scientist	Approval Date: 4/19/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4.4.2012	Phone: (505)599-2286	

\* Attach Additional Sheets If Necessary

nJK 1211038666

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

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**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	Enterprise Products	Contact	Aaron Dailey
Address	614 Reilly Avenue, Farmington NM 87401	Telephone No.	(505)599-2286
Facility Name	Bisti Pigging Receiver	Facility Type	Gas Processing Plant
Surface Owner	NAPI/Navajo Tribal	Mineral Owner	Navajo Tribal
		API No.	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	21	26N	12W					San Juan

Latitude N 36.4807 Longitude W 108.1220

**NATURE OF RELEASE**

Type of Release	Condensate and water	Volume of Release	80 Barrels to lined containment and 5 barrels to surrounding soil	Volume Recovered	80 barrels recovered from lined containment, 1 barrel liquid from surrounding soil and 45 yards (est) of hydrocarbon impacted soil
Source of Release	Bisti cigar 100 barrel vent tank	Date and Hour of Occurrence	4.25.2012 @ 11:45 hours	Date and Hour of Discovery	4.25.2012 @ 11:45 hours
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Steve Austin with Navajo EPA and Brenette Pine with NAPI		
By Whom?	Aaron Dailey	Date and Hour	4.25.2012 @ 13:00 hours		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	RCVD MAY 4'12 OIL CONS. DIV. DIST. 3		



If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Plugged line caused reservoir relief valve to open, which caused the 100 barrel tank to overtop. Approximately 80 barrels was released into the lined containment area and approximately 5 barrels of condensate was released to the surrounding soil. 80 barrels of condensate was recovered from the lined containment and approximately 1 barrel of condensate was recovered from the surrounding soils within 2 hours of the time of the release. Navajo Nation Environmental Protection Agency (NNEPA) and Navajo Agricultural Products Industries (NAPI) points of contact were notified of the release and corrective actions to be conducted.

Describe Area Affected and Cleanup Action Taken.\* Mechanical cleanup (dig and haul) to remove impacted soil surrounding the tank and containment was conducted on 4.25/4.26.2012 and third party environmental confirmation sampling was done 4.27.2012. A third party environmental corrective action report will be submitted to the NNEPA, NAPI, and the NM OCD once this is complete.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 5/07/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 5.2.2012	Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

NJK1212853114

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**

Revised  
☒ Initial Report ☐ Final Report

Name of Company	Enterprise Products	Contact	Aaron Dailey
Address	614 Reilly Avenue, Farmington NM 87401	Telephone No.	(505)599-2286
Facility Name	Chaco Gas Plant Lateral 2C-6	Facility Type	Gas Processing Plant Natural Gas Gathering line
Surface Owner	BLM	Mineral Owner	BLM
		APT No.	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	12	25N	8W					San Juan

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release	Natural Gas	Volume of Release	100MCF(est.)	Volume Recovered	None
Source of Release	External Corrosion from natural gas pipeline	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	5.30.2012 @ 15:50 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.			

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Enterprise employee discovered pipeline leak while conducting a pipeline patrol. Enterprise employees isolated, depressurized pipeline and applied lock out tag out to the pipeline.

Describe Area Affected and Cleanup Action Taken.\* The affected area was isolated to bedrock as this section of pipe is laid on a very steep pitch composed of impermeable sandstone and shale. It appears that the pipeline leaked due to external corrosion possibly from the surrounding rocks that were used to improperly backfill the pipeline many years ago. There was minimal liquid discovered likely because of the pipe's steep slope. The area was excavated and a third party environmental contractor conducted soil confirmation sampling of the surrounding soil while repairs were being made. A third party environmental report will be submitted with the "final" 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.

**OIL CONSERVATION DIVISION**

Signature: 

Printed Name: Aaron Dailey

Title: Field Environmental Scientist

E-mail Address: amdailey@eprod.com

Date: 6.12.2012

Phone: (505)599-2286

Approved by Environmental Specialist:

Approval Date: 6/20/2012

Expiration Date:

Conditions of Approval:

Attached ☐

\* Attach Additional Sheets If Necessary

nJK1217247172

RCVD JUN 20 '12  
OIL CONS. DIV.  
DIST. 3

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 (**Revised\*\***) ☐ Final Report

Name of Company Enterprise Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral K-7 Pipeline	Facility Type Natural Gas Gathering line	
Surface Owner Private	Mineral Owner	API No.

#### LOCATION OF RELEASE

Unit Letter O	Section 15	Township 26N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N36.4825 Longitude\_W107.5633(Decimal Degrees)\_\_\_\_\_

#### NATURE OF RELEASE

Type of Release Natural gas	Volume of Release Unknown	Volume Recovered None
Source of Release 8 inch natural gas gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery** 8.1.2012 @ 09:00 hours
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell, NM OCD Aztec Office	RCVD AUG 15 '12 OIL CONS. DIV.
By Whom? Aaron Dailey	Date and Hour 8.1.2012 @ 15:00 hours	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	DIST. 3

If a Watercourse was Impacted, Describe Fully.\*

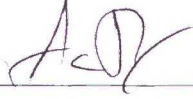

Describe Cause of Problem and Remedial Action Taken.\*

Dead vegetation on pipeline right of way was reported to Enterprise Environmental Department by a third party contractor. Upon investigation and verification, the site was claimed by Enterprise. After making notifications to Enterprise supervision and NM OCD, the site was barricaded using orange field fence within 24 hours of discovery. Additionally, signage was placed on the field fence stating "flammable, keep out."

Describe Area Affected and Cleanup Action Taken.\*

There are approximately 5 dead vegetation spots on this right of way. Enterprise supervisor and operators have identified 5 leaks at this time and are currently repairing these leaks with I-wrap. An environmental assessment is currently underway. Remediation actions will proceed once all leaks have been identified and repaired. A c-141 "final" report will be submitted when corrective actions have achieved applicable regulatory standards.

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

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Field Environmental Scientist	Approval Date: 9/20/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/14/2012 - Revised 8.9.2012 Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

NJA 226432281

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

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accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report

☒ Final Report

Name of Company Enterprise Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286	
Facility Name Lateral 6A-22	Facility Type Natural Gas Gathering line	
Surface Owner BLM	Mineral Owner BLM	API No.

**LOCATION OF RELEASE**

Unit Letter M	Section 15	Township 26N	Range 9W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude\_N36.4833\_\_ Longitude\_W107.7660 (Decimal Degrees)\_\_\_\_\_

**NATURE OF RELEASE**

Type of Release Natural gas condensate	Volume of Release Unknown (estimated 4 barrels of condensate)	Volume Recovered 40 cubic yards of stained soil removed from location
Source of Release 4 inch natural gas gathering line	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 9.6.2012 @ 09:30 hours
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD SEP 20 '12 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.	

If a Watercourse was Impacted, Describe Fully.\*


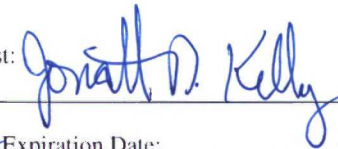
Describe Cause of Problem and Remedial Action Taken.\*

Third party contractor reported line leak. Enterprise technician was dispatched, verified leak, isolated, blew down line and initiated LOTO.

Describe Area Affected and Cleanup Action Taken.\*

An initial environmental assessment with an auger indicated impacted soil down to 5-6 feet in the center of the area. Repairs were completed on 9/18/2012. Field screening of excavated soils indicated contaminated soil above OCD soil standards so these soils were hauled to an OCD permitted landfarm. Confirmation sampling was conducted on the excavated area once this stained soil was removed. Please see the attached photos, sketch, and additional bill of lading documentation.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by Environmental Specialist: 	
Title: Field Environmental Scientist		Approval Date: 10/23/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9.26.2012	Phone: (505)599-2286		

\* Attach Additional Sheets If Necessary

15K1229732624

13



## Report Summary

Client: Enterprise Products Operating

Chain of Custody Number: 14460

Samples Received: 09-18-12

Job Number: 97057-0352

Sample Number(s): 63276

Project Name/Location: Lat 6A-22 EOL

Entire Report Reviewed By:

A handwritten signature in dark ink, appearing to be 'J. J. O.', written over a horizontal line.

Date:

9/25/12

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



**EPA METHOD 8015 Modified**  
**Nonhalogenated Volatile Organics**  
**Total Petroleum Hydrocarbons**

Client:	Enterprise Products Operating	Project #:	97057-0352
Sample ID:	1-5pt. Composite Conf. Sample	Date Reported:	09-20-12
Laboratory Number:	63276	Date Sampled:	09-18-12
Chain of Custody No:	14460	Date Received:	09-18-12
Sample Matrix:	Soil	Date Extracted:	09-20-12
Preservative:	Cool	Date Analyzed:	09-20-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating  
Solid Waste, SW-846, USEPA, December 1996.

Comments: **Lat 6A-22 EOL**

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	0920TCAL QA/QC	Date Reported:	09-20-12
Laboratory Number:	63286	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-20-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
<b>Gasoline Range C5 - C10</b>	09-20-12	9.9960E+02	1.0000E+03	<b>0.04%</b>	<b>0 - 15%</b>
<b>Diesel Range C10 - C28</b>	09-20-12	9.9960E+02	1.0000E+03	<b>0.04%</b>	<b>0 - 15%</b>

<b>Blank Conc. (mg/L - mg/Kg)</b>	Concentration	Detection Limit
<b>Gasoline Range C5 - C10</b>	<b>ND</b>	<b>0.2</b>
<b>Diesel Range C10 - C28</b>	<b>ND</b>	<b>0.1</b>
<b>Total Petroleum Hydrocarbons</b>	<b>ND</b>	

<b>Duplicate Conc. (mg/Kg)</b>	Sample	Duplicate	% Difference	Accept. Range
<b>Gasoline Range C5 - C10</b>	<b>ND</b>	<b>ND</b>	<b>0.0%</b>	<b>0 - 30%</b>
<b>Diesel Range C10 - C28</b>	<b>ND</b>	<b>ND</b>	<b>0.0%</b>	<b>0 - 30%</b>

<b>Spike Conc. (mg/Kg)</b>	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
<b>Gasoline Range C5 - C10</b>	<b>ND</b>	<b>250</b>	<b>236</b>	<b>94.3%</b>	<b>75 - 125%</b>
<b>Diesel Range C10 - C28</b>	<b>ND</b>	<b>250</b>	<b>289</b>	<b>116%</b>	<b>75 - 125%</b>

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Ws  
 SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63275-63276 and 63286-63295



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	EnterpriseProducts Operating	Project #:	97057-0352
Sample ID:	1-5pt. Composite Conf. Sample	Date Reported:	09-24-12
Laboratory Number:	63276	Date Sampled:	09-18-12
Chain of Custody:	14460	Date Received:	09-18-12
Sample Matrix:	Soil	Date Analyzed:	09-24-12
Preservative:	Cool	Date Extracted:	09-20-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	10.1	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	14.0	10.0
o-Xylene	ND	10.0
Total BTEX	24.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	80.8 %
	1,4-difluorobenzene	92.6 %
	Bromochlorobenzene	96.2 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Lat 6A-22 EOL

Client:	N/A	Project #:	N/A
Sample ID:	0924BCAL QA/QC	Date Reported:	09-24-12
Laboratory Number:	63327	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-24-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
	Accept. Range 0-15%				
Benzene	9.4015E-06	9.3961E-06	0.001	ND	0.2
Toluene	9.3523E-06	8.8267E-06	0.056	ND	0.2
Ethylbenzene	9.8456E-06	9.8879E-06	0.004	ND	0.2
p,m-Xylene	7.1243E-06	7.1243E-06	0.000	ND	0.2
o-Xylene	9.9192E-06	9.9192E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	13.3	13.3	0.00	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	25.4	25.1	0.01	0 - 30%	10
o-Xylene	ND	ND	0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2190	87.6	39 - 150
Toluene	13.3	2500	2350	93.5	46 - 148
Ethylbenzene	ND	2500	2200	88.0	32 - 160
p,m-Xylene	25.4	5000	4430	88.1	46 - 148
o-Xylene	ND	2500	2220	88.8	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

**Comments: QA/QC for Samples 63256, 63276, 63296-63297 and 63326-63327**

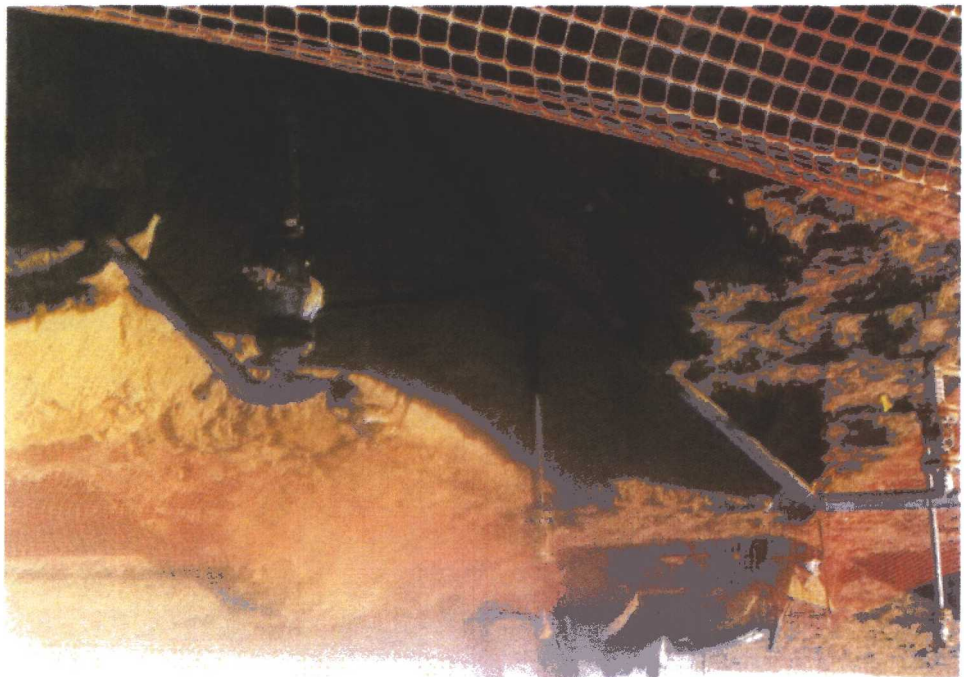
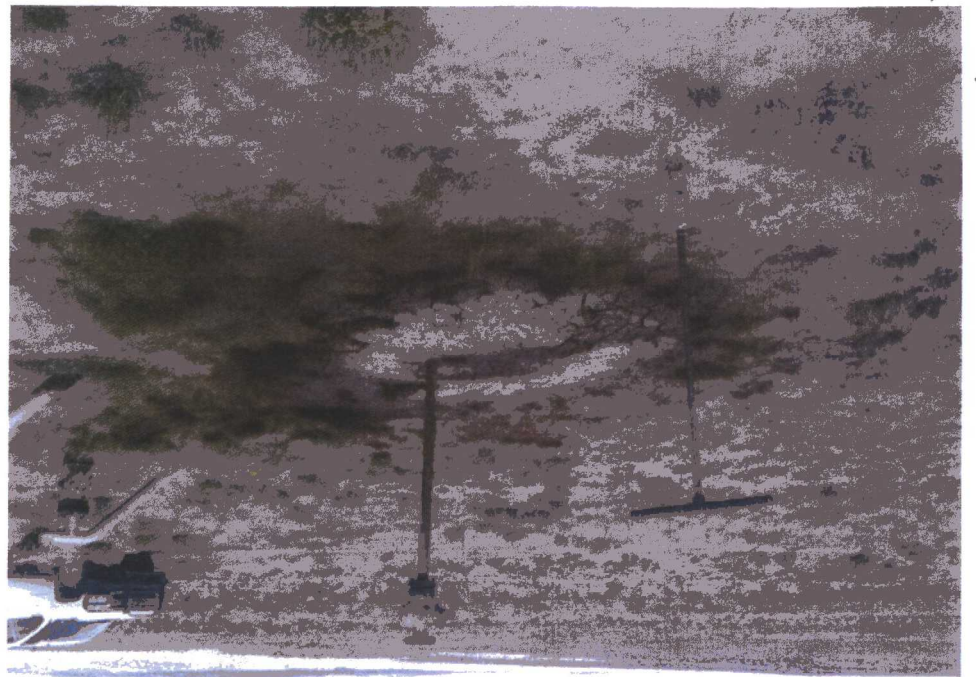
# CHAIN OF CUSTODY RECORD

14460

Client: <i>Enterprise Products Operating LP</i>			Project Name / Location: <i>LMT 6A-22 EOL</i>			ANALYSIS / PARAMETERS														
Email results to: <i>amdailey@epod.com</i>			Sampler Name: <i>A DAILEY</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: <i>(505) 599-2286</i>			Client No.: <i>97057-0352</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HgCl <sub>2</sub>	HCl														
<i>1-Sept. Composite Conf. Sample</i>	<i>9/18/12</i>	<i>14:15</i>	<i>W3270</i>	<i>1/402</i>				<i>X</i>	<i>X</i>										<i>X</i>	<i>X</i>
Relinquished by: (Signature) <i>A. Dailey</i>					Date <i>9/18/12</i>	Time <i>15:40</i>	Received by: (Signature) <i>[Signature]</i>												Date <i>9/18/12</i>	Time <i>15:40</i>
Relinquished by: (Signature)							Received by: (Signature) <i>[Signature]</i>													
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



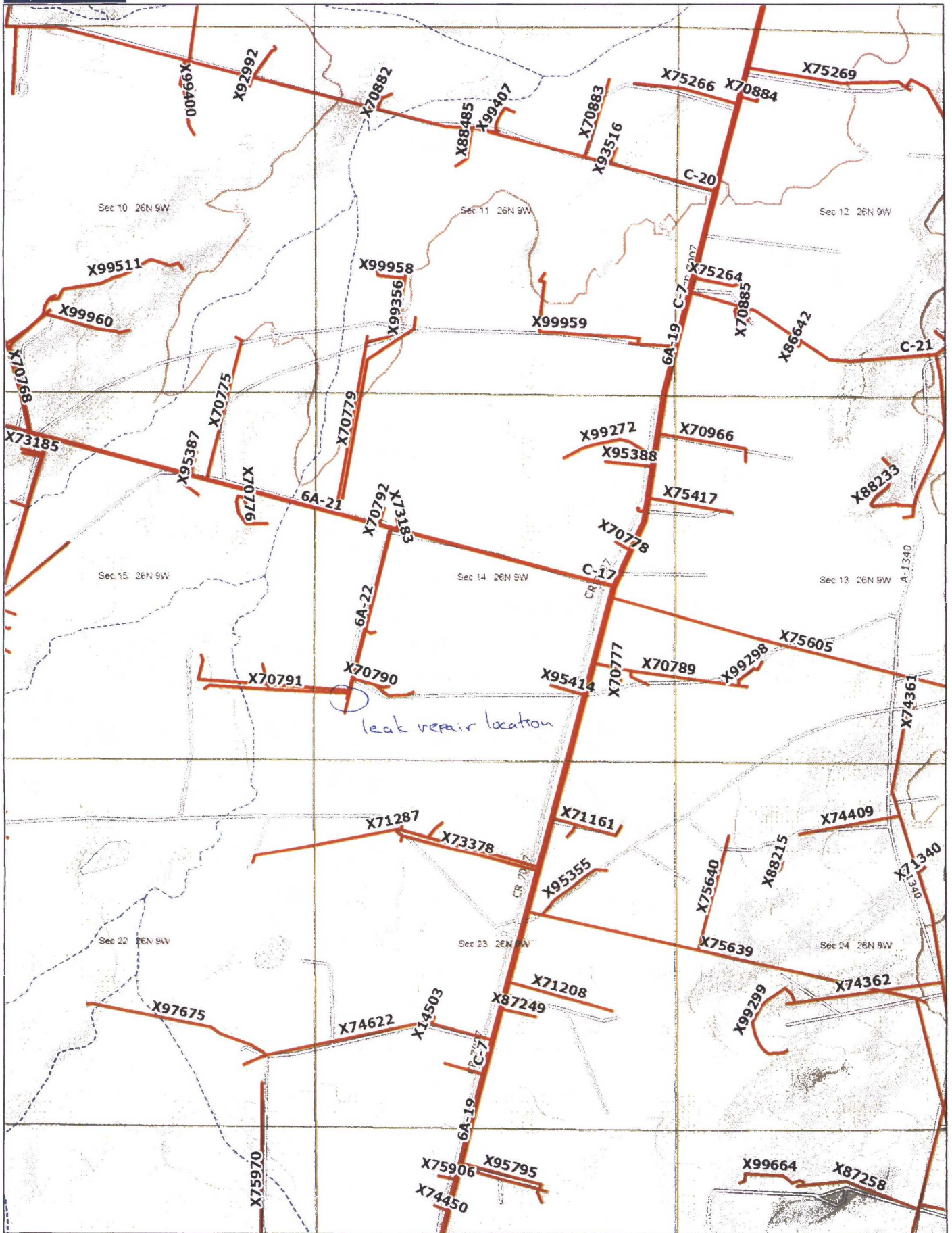
**Enterprise Products Lateral 6A-22 EOL Excavation:**

Approx. 30' X 6' X 6' (deepest spot)

Arrows represent  
where samples  
were taken for  
the 5 point lab  
composite

5 point composite sample taken 9/18/22 for analysis  
at the Envirotech analytical laboratory. Samples  
were grabbed midway up sidewalls and at the  
bottom of the excavation.

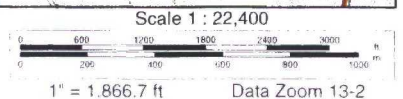
Field screening indicated the  
excavated soil was contaminated  
with natural gas liquids at levels  
above OCD soil standards, so  
these soils were hauled to  
Envirotech's Hilltop landfarm



Data use subject to license.

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www.delorme.com



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
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District III  
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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

97057-0524

Form C-138  
Revised August 1, 2011

\*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 PRODUCTS OPERATING, LP

2. Originating Site:

LAT 6A-22 EOL

3. Location of Material (Street Address, City, State or ULSTR):

J- Sec 14 T26N R9W

4. Source and Description of Waste:

Exempt condensate stained soil from a leak repair and associated  
cleanup of a natural gas gathering line.

Estimated Volume 40 yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) 40 yd<sup>3</sup> / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Aaron Dally, representative or authorized agent for Enterprise Products do hereby  
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, Kendra Runum, representative for Envirotech, 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.

☒ OK for envirotech to sample this waste AD

5. Transporter:

West States Energy Doug Fultz

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech, Inc. Soil Remediation Facility Permit # NM-01  
Address of Facility: #43 Road 7175, south of Bloomfield, NM 0011

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: Kendra Runum

TITLE: Waste Coordinator DATE: 9/19/12

SIGNATURE: Kendra Runum  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-0615



# Bill of Lading

MANIFEST #

42147

DATE 9-19-12

JOB # 71057-0524

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise	LFII-4	CON + SOIL	D-9	10	-	Doug Foutz	935	1015	<i>[Signature]</i>
2	Lat GA-22	"	"	D-9	10	-	"	935	1140	<i>[Signature]</i>
3	EOL	"	"	D-9	10	-	"	935	1305	<i>[Signature]</i>
4	"	"	"	D-9	10	-	"	935	1425	<i>[Signature]</i>
						40				
RESULTS:										
-292 CHLORIDE TEST		LANDFARM EMPLOYEE: Gary Robinson		NOTES:						
PAINT FILTER TEST		Certification of above receipt & placement								

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

TRANSPORTER CO. Doug Foutz

NAME Tim Rodriguez

SIGNATURE *[Signature]*

COMPANY CONTACT Craig Foutz

PHONE 325 4922

DATE 9-19-12

Signatures required prior to distribution of the legal document.



District I  
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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**

WITHIN 15 DAYS OF  
RELEASE

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company	Enterprise Products	Contact	Aaron Dailey
Address	614 Reilly Avenue, Farmington, NM 87401	Telephone No.	(505) 599-2286
Facility Name	Val Verde Gas Plant	Facility Type	Amine Treating Plant

Surface Owner	Private	Mineral Owner	Private	API No.
---------------	---------	---------------	---------	---------

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
SE/4 SE/4	11	29N	11W					San Juan

Latitude \_N 36.4858" Longitude \_W 108.1200"

RCVD JUL 11 '12  
OIL CONS. DIV.  
DIST. 3

**NATURE OF RELEASE**

Type of Release	Amine	Volume of Release	25-30 Barrels (estimated)	Volume Recovered	15 barrels of liquid and 54 yards of amine stained soil removed
Source of Release	1" low point drain valve on the Train 8 Low Pressure Flash Gas Contactor Skid	Date and Hour of Occurrence	7.1.2012 @ 16:30 (estimated)	Date and Hour of Discovery	7.1.2012 @ 18:30
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Brandon Powell, Aztec Office		
By Whom?	Aaron Dailey	Date and Hour	7.2.2012 @ 08:00 hours		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\*


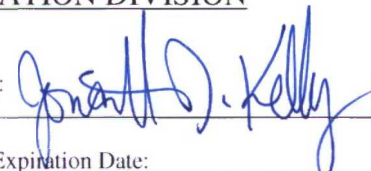
Describe Cause of Problem and Remedial Action Taken.\* Outside operator at Val Verde was making his first round of his shift and found that the 1 inch valve downstream of the pressure control valve on Train 8 flash gas contactor was approx half way open. It is estimated that approx 25-30 barrels of amine was released to the ground and traveled in a southerly direction east of the heaters on Train 8. Operator immediately closed the valve, notified supervision and the spill response went into effect. Contractors and plant employees immediately contained cleaned up the stained soil using hand shovels, mechanical equipment such as vacuum trucks and a backhoe loader.

Describe Area Affected and Cleanup Action Taken.\*

Operations group dispatched a contractor with a vacuum truck and shovel crew to remove the liquid and amine stained soil from the area. The vacuum truck removed approximately 15 barrels of amine liquid. The excavation continued until all visual staining and odor of amine was removed from the release location, which was Thursday evening, July 5, 2012. Approximately 54 yards of amine contaminated was hauled to an OCD permitted landfarm facility. Please see the attached photos to see the impacted area and associated cleanup.

Additionally, all ball valves at this plant shall have plugs installed as a secondary leak prevention mechanism to prevent this from occurring in the future.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey	Approved by Environmental Specialist: 	
Title: Environmental Scientist	Approval Date: 7/15/2012	Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7.9.2012	Phone: (505) 599-2286	

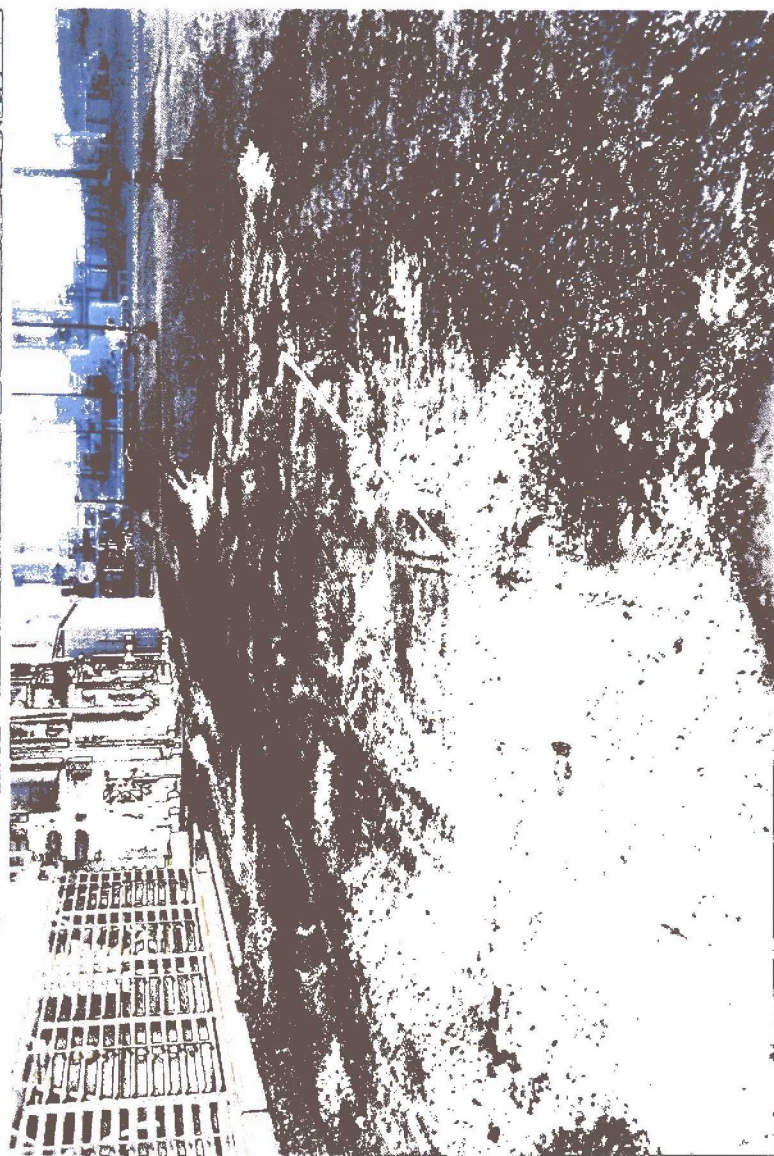
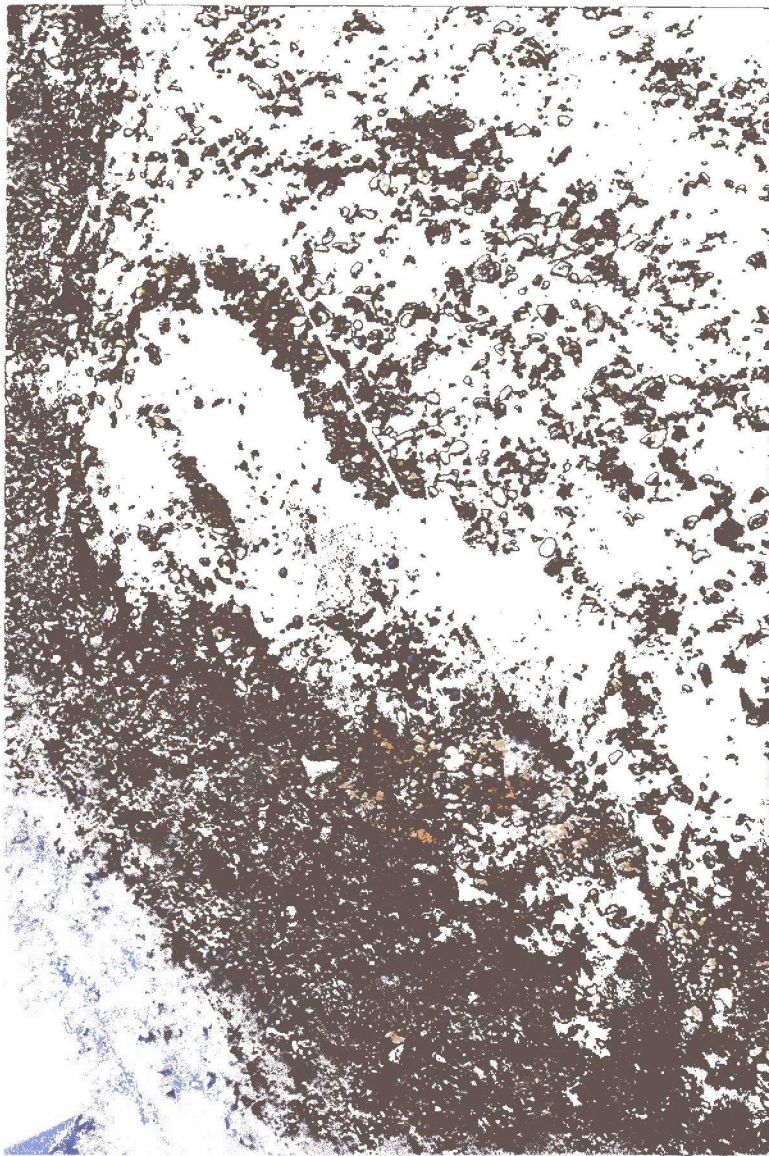
\* Attach Additional Sheets If Necessary

NSK 12207 30996

①  
 MAJORITY OF ARMS STAMENS WAS 1"-3"  
 BELOW GROUND SURFACE



LOCATION OF ARMS STAMENS  
 SOIL FOR TRANSPORT TO OLD  
 REVERTED LANDFARM  
 (THEY SHOULD BE ON GUNTERFORD  
 PROPERTY)



MAJOR AREA, IMPROVED BY AVANCE (RELEASE)

CLEANUP RESPONSE



BOTTOM OF 1" BALL VALVE THAT WAS  
DISCOVERED PARTIALLY OPEN  
(PHOTO TAKEN 7.2.2012 @ 06:30)



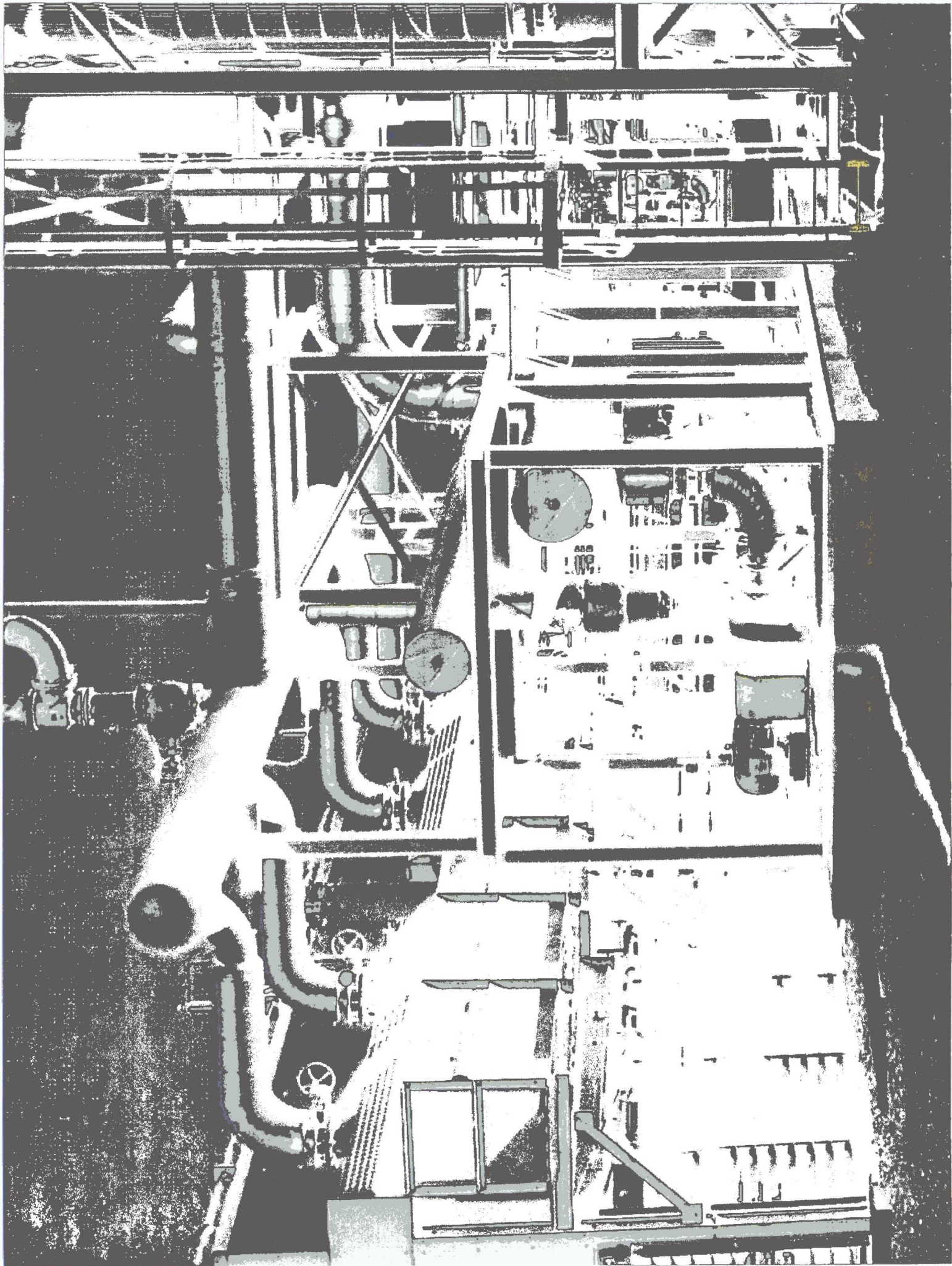
VAL VERDE AVENUE TRAIL & PROCESS AREA CLEANED UP 7.6.2012



VAL VERDE AMAR TRAU 8 PROCESS AREA CLEANED UP 7.6.2012

VAL VERDE RELEASE LOCATION - TRAIL 8 - CLEANED UP 7.6.2012

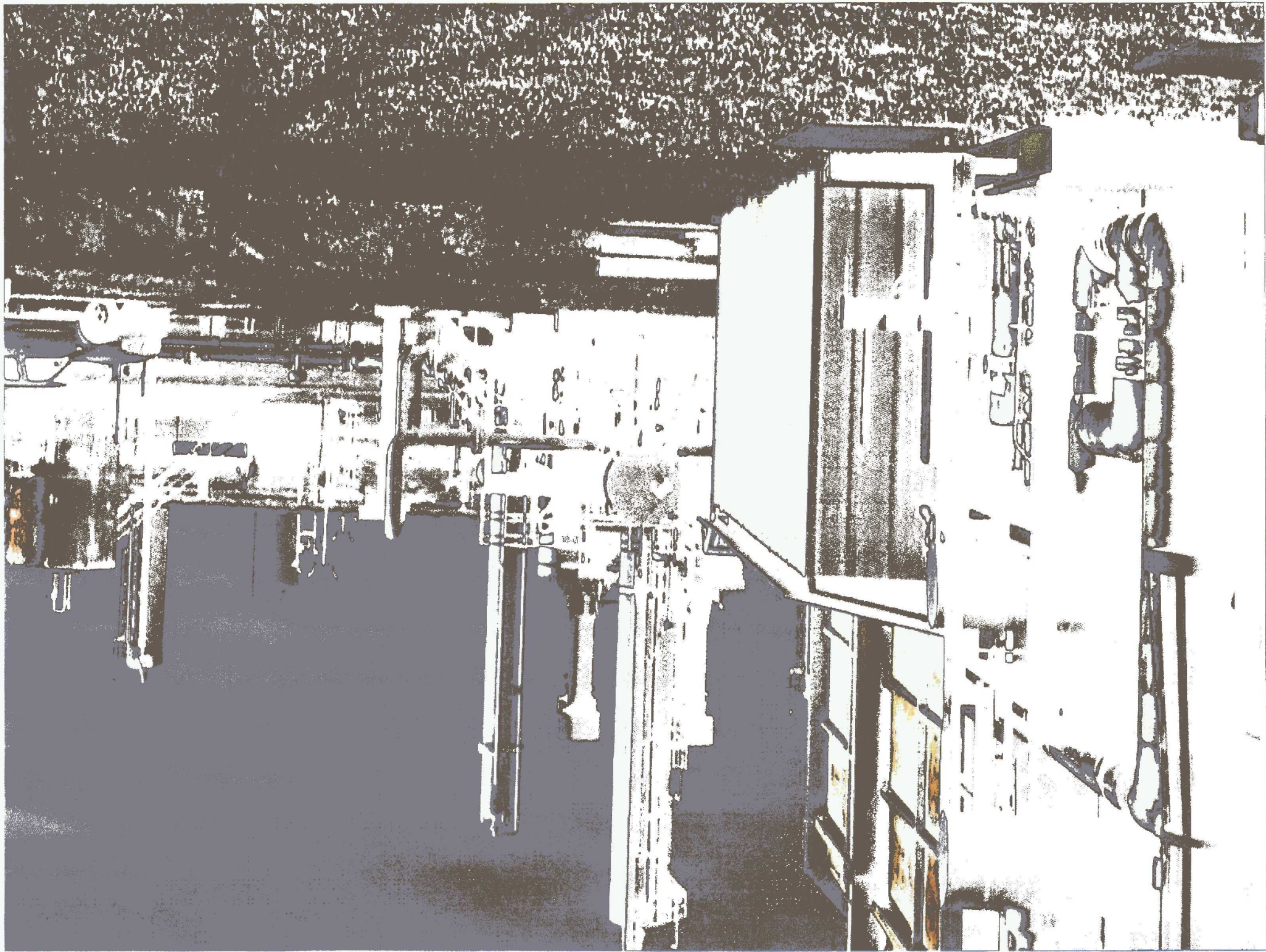




VAL VERDE ARMY REFUGEE LOCATION - TRAIN 8 - CLEARED WP 7.6.2012



VAL VERDE AVENUE RELEASE LOCATION - CLEANED UP 7.6.2012



Val Verde Trail & Release Location - Cleared w/ 7. 6. 2012

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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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

<b>1. Generator Name and Address:</b> Enterprise Products Operating, L.P., 614 Reilly Avenue, Farmington, NM 87401
<b>2. Originating Site:</b> Val Verde Gas Treating Facility
<b>3. Location of Material (Street Address, City, State or ULSTR):</b> Sec 14/T29N/R11W, Lat 107.9820W Lon 36.7327N, 1119 County Road 4900, Bloomfield, NM 87413
<b>4. Source and Description of Waste:</b> Source: Amine train 8 Description: Exempt amine stained soil from release cleanup activities Estimated Volume 60 yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) yd <sup>3</sup> / bbls

**5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Aaron Dailey, representative or authorized agent for Enterprise Products 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, Aaron Dailey, representative for Enterprise Products authorize JFJ/IEI to complete  
**Generator Signature**  
the required testing/sign the Generator Waste Testing Certification.

I, \_\_\_\_\_, representative for \_\_\_\_\_ do hereby certify that  
**Representative/Agent Signature**  
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: West States Energy Contractors (505)632-6988**

### OCD Permitted Surface Waste Management Facility

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

Address of Facility: **# 49 CR 3150 Aztec, NM 87410**

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: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ TELEPHONE NO.: 505-632-1782  
Surface Waste Management Facility Authorized Agent



# Industrial Ecosystems Inc.

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

20643

Customer: Enterprise

Unit: 935

Employee: Doug Foutz

Contact: Adrian Dailly

Date: 7-6-12

Location Name: Val Verde Gas Treating Facility

PO#: JA13061

☐ Jicarilla Apache Land ☐ Southern Ute Land

Billing Code: JA13061

LABOR		HRS/UNITS	RATE		TOTAL	
Equipment Operator	41000.1	Hours/Day	\$	Per hour/day	\$	
General Laborer	41000.1	Hours	\$	Per hour	\$	
Project Manager	41000.1	Hours	\$	Per hour	\$	
Per Diem	41000.1	Hours	\$	Per day/man	\$	
Travel Time	41000.1	Hours	\$	Per hour	\$	
PSI	41000.1	Hours	\$	Per hour	\$	
Route Survey	41000.1	Hours	\$	Per hour	\$	
EQUIPMENT						
4wd Pickup	42000.1	Miles	\$	Per mile	\$	
12yd Dump Truck	42000.1	Hours	\$	Per hour	\$	
18yd Side Dump	42000.1	Hours	\$	Per hour	\$	
Backhoe with Operator	42000.1	Hours	\$	Per hour	\$	
Loader with Operator	42000.1	Hours	\$	Per hour	\$	
Excavator with Operator	42000.1	Hours	\$	Per hour	\$	
Portable Pressure Wash	42000.1	Hours/Day	\$	Per hour/day	\$	
Portable Pres. Wash Unit	42000.1	Hours	\$	Per hour	\$	
80 Barrel Vacuum Truck	42000.1	Hours	\$	Per hour	\$	
King Vac Truck with Crew	42000.1	Hours	\$	Per hour	\$	
Mileage	42000.1	Miles	\$	Per mile	\$	
SCBA (Breathing Apparatus)	42000.1	Day	\$	Per day	\$	
SCBA Refill	42000.1	Each	\$	Per Refill	\$	
LEL, O <sub>2</sub> , H <sub>2</sub> S Monitoring	42000.1	Day	\$	Per day	\$	
Compressor	42000.1	Hours/Day	\$	Per hour/day	\$	
Air Horn	42000.1	Day	\$	Per day	\$	
Line Locator	42000.1	Day	\$	Per day	\$	
SERVICES						
Chloride Test	45000.2	1 Each	\$15.00	Per test	\$15.00	
Mobile Dewatering	42100.1	Hours/Day	\$	Per hour/day	\$	
Mob/Demob	42100.1	Hours	\$	Per hour	\$	
Monthly Maintenance	45000.1	Month	\$	Per month	\$	
SUPPLIES						
Soap/Degreaser		Gallons	\$	Per gallon	\$	
Virgin Soil/Gravel	45500.2	Cubic yard	\$	Per yard	\$	
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	54 Cubic yard	\$18.50	Per yard	\$999.00	
Disposal Fee (liquids)	44100.2	Per barrel	\$	Per barrel	\$	
Facility Use Fee	42000.2	Each	\$	Each	\$	

Comments: Cont Soil

Sub Total 1,014.00  
Tax County  
Total

Employee Signature \_\_\_\_\_

Customer Signature \_\_\_\_\_

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

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

District I  
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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	Aaron Dailey
Address	614 Reilly Avenue, Farmington NM 87401	Telephone No.	(505)599-2286
Facility Name	Lateral C-11 Gathering line	Facility Type	Natural Gas Gathering Pipeline

Surface Owner	Navajo Allotment	Mineral Owner	Navajo	API No.	
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	10	27N	9W					San Juan

Latitude N36.5866 Longitude W107.7677 (Decimal Degrees)

**NATURE OF RELEASE**

Type of Release	Natural Gas Condensate	Volume of Release	Unknown with historic soil impacts	Volume Recovered	None
Source of Release	Natural gas gathering pipeline	Date and Hour of Occurrence	Unknown	Date and Hour of Discovery	12/18/2012 @ 15:00 hours
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	Steve Austin (NNEPA) and Brandon Powell (e-mail notification 12/21/2012 @ 10:02 hours)		
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	RCVD DEC 31 '12 OIL CONS. DIV.		
If a Watercourse was Impacted, Describe Fully.*	DIST. 3				

Describe Cause of Problem and Remedial Action Taken.\* Foreign field technician contacted Enterprise Field Services about a possible line leak. Enterprise technicians verified the line leak and proceeded to safely isolate the line and perform lock out, tag out procedures. Repairs were scheduled for 12/21/2012.

Describe Area Affected and Cleanup Action Taken.\*  
Upon repairs, it was noted that historical impacts have affected soils along the pipeline. A third party environmental contractor was dispatched to obtain soil samples from the spoil pile and walls of the excavation. Further assessment will be conducted in order to effectively remediate the location in accordance with agency regulations and applicable guidance. A third party corrective action report summarizing these activities will be submitted with a "final" c-141 report.

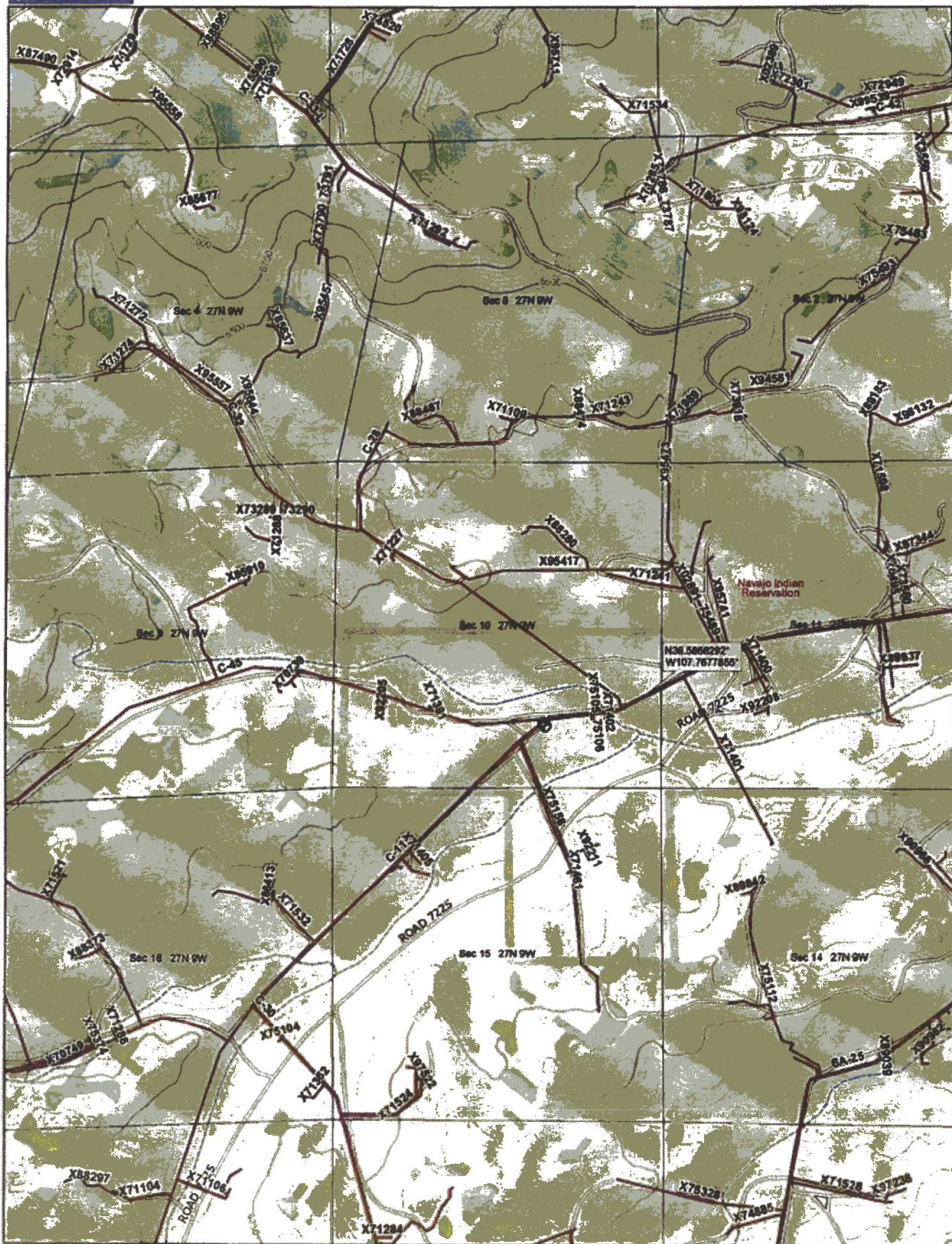
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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:	<u>Matt Marra</u>			<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Matt Marra				Approved by Environmental Specialist: <u>Jonathan D. Kelly</u>	
Title: Senior Director, Environmental				Approval Date: <u>1/23/2013</u>	Expiration Date:
E-mail Address: memarra@eprod.com				Conditions of Approval:	Attached <input type="checkbox"/>
Date: <u>12-26-2012</u>	Phone: (713)381-6684				

\* Attach Additional Sheets If Necessary

NJK 1302331905

5



Data use subject to license.

DeLorme. XMap® 7.

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Scale 1 : 25,000



1" = 2,083.3 ft Data Zoom 13-0

## Dailey, Aaron

---

**From:** Dailey, Aaron  
**Sent:** Friday, December 21, 2012 10:02 AM  
**To:** 'nnepawq@frontiernet.net'; 'brandon.powell@state.nm.us'  
**Subject:** Enterprise Lateral C-11 pipeline leak

Good morning,

FYI—a leak was discovered on the Enterprise lateral C-11 pipe. The excavation began yesterday and the pipe is buried 6-8 feet below grade, so digging is taking a while and they should find the leak today. Pipe has been rendered out of service as of 12/18/2012. A 15 day written c-141 will be submitted to the NNEPA and OCD Aztec office with details. Please let me know if you have any questions.

Sincerely,  
aaron

---

**From:** ecirts@eprod.com [mailto:ecirts@eprod.com]

**Sent:** Thursday, December 20, 2012 7:28 AM

**To:** Vitolo, Tony; Bennett, Aaron; Roberts, Adam; Coombs, Aspen; Dailey, Aaron; Pappas, Amber; Mouton, Angela; Poppenhusen, Angy; Randall, Alan; Crockett, Alan; Siemer, Alan; Lopez, Alex; barmmenta@eprod.com; Ashenfelter, Brett; Bliss, Benny; Booth, Brian; Booth, Brian; begahagan@eprod.com; Spencer, Brian; Gibson, Bill; Hergemuehler, Bob; Herring, Bobby; Dulban, Ben; Kiser, Brad; Sossaman, Brian; blevans@eprod.com; Mueller, Brian; Ordemann, Bill; Sullins, Brandon; Sullins, Brandon; Steed, Brett; Wheatley, Bruce; Wilson, Bobby; Auld, Charles (Tony); Barnes, Clyde; O'Nan, Charles; Truby, Chase; Barksdale, Chad; Goos, Coby; Eddy, Chet; cjlord@eprod.com; Hause, Christopher; Roy, Chris; Timmerman, Chad; Saxton, Cody; Cartwright, Christine; Bolon, Dave; Stewart, Daniel; Hatch, Don; Rich, Don; D'Aquila, Douglas; D'Aquila, Douglas; djstucky@eprod.com; Hotzel, Devin; Kingham, Danny; Oldaker, David; Thompson, Dale; Morris, Doug; Morrow, Derrell; Morrow, Derrell; Mueller, Dan; Williams, Don; Wall, Daryl; Anderson, Don; Dixon, Dwayne; Dixon, Dwayne; Garman, David; Zimple, David; Arceneaux, Erick; Fonseca, Elizabeth; Choong, Evelyn; Skeet, Everett; egarrison@eprod.com; Wood, Eric; Martin, Edmund; Gonzalez, Francisco; Bacon, Graham; Chapman, Gregory; Esterholm, Glen; Turner, Gary; Hale, Gregory; Huntsman, Gilbert; John, George; Arredondo, Gary; Moon, Greg; Roeber, Gerald; Stratmann, Gerry; Tarver, George; Watkins, Gregory; Benson, Rick; Graves, Harold; Robertson, Heath; Roddy, Howard; Zirbes, Ivan; Huckaby, James; Rogers, John A.; Lafond, Jeff; Bollom, John; Tibbets, JB; Morton, Jeffrey; Cooksey, John; jdcrawford@eprod.com; McCullough, Joshua; McElhaney, Jeff; Emerson, James; Baldovinos, Jose; Gregoire, Jesse; Hoffstadt, Jeff; Holland, Dennis; jjewett@eprod.com; jkbrown@eprod.com; Kingston, Joel; Kohler, Joel; Cooper, Jamie; McDowell, Jack; Marquis, James; Bauer, John; Bauer, John; McGuire, Jeff; Hurt, Joseph; Mollhagen, Jennifer; Munoz, Jerry; Blackburn, Jason; Munoz, Jamie; Ontiberoz, Joel; Fristoe, Jimmy; Whitney, Joseph; Myers, Jeff; Sobilo, Joe; Rogers, John; jsterrett@eprod.com; Stoolman, Jeff; Teague, Jim; jtibbets@eprod.com; jtillman@eprod.com; Myers, Jeffrey V; Bodenhamer, Kevin; Carney, Ken; Costlow, Kyle; Fulton, Kenny; Dostal, Kevin; Ramsey, Kevin; Crybliskey, Kevin; Lopez, Karla; Oleszek, Kristy; Passmore, Kennie; Valdez, Kenneth; Ables, Byron; Armstrong, Blair; Armstrong, Blair; Armstrong, Blair; Dobel, Lisa; Francisco, Leo; Kaderli, Linda; Rodriguez, Linda; Leidy, Kent; Lucero, Lloyd; Rogers, Leon; Simpson, Lynn; Sanders, Leann; Sandoval, Larry; Setliff, Lonnie; Anderson, Larry; Mallett, Leonard; Adrian, Major; Todd, Mike; Blackwood, Max; Blackwood, Max; Burleson, Michael; Creel, Mike; Baylie, Michael; Lee, Michael; mdstjohn@eprod.com; Eddleman, M; Garcia, Mari; Marra, Matthew; Bailey, Mark; Bailey, Mark; Cowden, Mike; Mungas, Mike; Waszut, Michael; Hamon, Matthew; Hicks, Michael; mjmurphy@eprod.com; mkirish@eprod.com; May, Marvin; Snodgrass, Mike; Mayfield, Michael; McLaughlin, Michael; Caudle, Mark; Stratmann, Matt; Mayo, Michael; Seitzinger, Mike; Ulibarri, Mark; Frank, Michael; Truong, Nhan; Bighorse, Peet; Clah, Phillip; Hale, Preston; Quintana, Paul; Phan, Phu; Phan, Phu; Cooper, Robert; Akins, Robert; Morris, Ralph; Nielsen, Rod; Prentiss, Chip; Williams, Richard; Baysinger, Randy; Belveal, Roger; Pape, Ray; Cantu, Roman; Stuart, Randy; Edwards, Russell D.; Dunn, Roy; rduran@eprod.com; Brown, Randall; Lee, Richard; Fullmer, Rick; Ryan, Ron; Hill, Ron; Hutchison, Richard; Daves, Bob; Martin, Roy; LaSalle, Richard; rldavis@eprod.com; McBee, Robert; Moore, Richard; Richard, Randy; North, Robert; Parks, Rik; Rainey, Rick; LeClair, Richard; Seale, Runell; RSipe@eprod.com; Montoy, Richard; Bain, Richard; Thompson, Roger; Jewell, Ricky; McBrayer, Richard; Johnson, Russell; rwjames@eprod.com; Berry, Sharon; Brennan, Shawn; scase@eprod.com; Cochran, Stephen; Cooley, Shane; Clelland, Sarah; sfranks@eprod.com; Kelly, Sean; Hughes, Samuel; Lair, Steve; Liberty, Schanen; Nolan, Shiver; Pudlewski, Steve; Alley, Steve; Taylor, Sandy; Toth, Scott; Trujillo, Sharon; Duplantis, Terry; Greenwald, Trevor; Berry, Tim; Billiot, Timothy; Boisen, Troy; Burns, Tom; Blacker, Thomas; Hurlburt, Terry; Smith,

Terah; Morrison, Todd; Gaston, Tyler; Schutt, Tim; Forrester, Timothy; Whitaker, Taylor; Crawford, Victor; Crawford, Victor; Crawford, Victor; Jones, Forrest; Pelkey, Guy; Harrison, Blaze; Mischevsky, John; Burrell, Neal; wrdavenport@epco.com; Rook, William; MassomZadeh, Bonnie; Dobel, Lisa; Lee, Stephen; Lieb, James; Mungas, Mike  
**Subject:** San Juan/Northern Rockies GP Incident Notification!

A Preliminary Incident Report has been generated!

**SUBMITTED BY:** Keith Roddy  
**REGION:** San Juan/Northern Rockies GP  
**STATE:** New Mexico  
**LOCATION:** SJ GATHERING AREA 300C - AREA, OPERATIONS  
**SERVER:** <http://oesprd01-corp/ecirts/>  
**INCIDENT INVOLVED:** • Gas Release  
**DESCRIPTION:** Conoco Field Technician contacted us @ 3:00PM about a possible line leak. Two Enterprise Technicians were dispatched to verify leak. The leak was confirmed and isolation and LOTO was initiated. There is a 3X3 area of stained soil but no standing liquids on site. This is a Class 1 Non-jurisdictional area in Sec.10, T27N, R9W. Lat.N36.586935, Long. 107.767134. Repairs are scheduled 12/20/12 with EMS.

Click on the following link to view the PIR Report:

[\[Preliminary Report\]](#)

Click on the following link to view the printable PIR Report (login not needed):

[\[Printable Preliminary Report\]](#)

An Environmental Incident Type has been selected! Please click on the following link to Launch the Spills application and fill out the Required Environmental Information:

[\[Launch Spills Application\]](#)



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

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

Form C-141  
Revised October 10, 2003

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

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☒ Final Report

Name of Company Enterprise Products	Contact Aaron Dailey	
Address 614 Reilly Avenue, Farmington 87401	Telephone No. (505) 599-2286	
Facility Name Lateral D-9	Facility Type Pipeline	
Surface Owner BLM	Mineral Owner BLM	Lease No.

**LOCATION OF RELEASE**

Unit Letter SW/4 SW/4	Section 5	Township 27N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
-----------------------------	--------------	-----------------	-------------	---------------	------------------	---------------	----------------	--------------------

Latitude \_N36deg36'13.54" \_Longitude \_W107deg42'32.33"

RCVD DEC 22 '11  
OIL CONS. DIV.

**NATURE OF RELEASE**

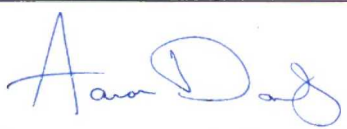
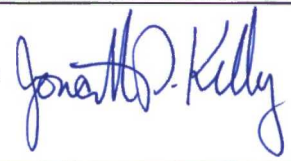
Type of Release Natural Gas	Volume of Release 80.54 MCF	Volume Recovered None
Source of Release 12" Pipeline	Date and Hour of Occurrence 11.11.2011 @ 18:00 hours	Date and Hour of Discovery Gas loss calculated on 11.18.2011
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		

Describe Cause of Problem and Remedial Action Taken.\* ☐ Enterprise technician discovered leak on Lateral D-9, located on top of Hollis Mesa. Technician responded by blowing the pipeline down and LOTO all associated wells and valves. Repairs made on 11.17.2011. Third party environmental contractor was on site for the repairs in order to conduct confirmation sampling.

Describe Area Affected and Cleanup Action Taken.\*

Approximately 30 yards of contaminated soil was hauled to an OCD permitted landfarm. Clean replacement fill was brought in once the leak was repaired and confirmation sampling was completed by a third party environmental contractor. Third party environmental report will be submitted to the local district office once this report is complete.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Aaron Dailey		Approved by District Supervisor: 	
Title: Field Environmental Scientist		Approval Date: 1/10/2012	Expiration Date:
E-mail Address: amdailey@eprod.com		Conditions of Approval:	
Date: 11.21.2011 Phone: (505) 599-2286		Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

nJK1201050045



**Enterprise Products  
Lateral D-9 Pipeline Release  
Latitude North 36° 36' 13.54", Longitude West 107° 42' 32.33"  
SW1/4, SW1/4 Sec. 5-T27N-R8W  
San Juan County, New Mexico  
Special Jurisdiction: NMOCD**

RCVD DEC 22 '11

SMA Reference # 5120957 BG 30

Date Discovered: 10/4/2011

Reported by: Enterprise Personnel

Reported to: Enterprise Field Environmental Representative, Aaron Dailey

Date Reported: 11/12/2011

SMA Mobilized: 11/17/2011

Enterprise Representative: Scott Cassida

Description: Gathering line release due to corrosion

Contractor: IMI

Released Liquids: Natural Gas Liquids and Water

Approximate Volume of Contaminated Soil in Cubic Yards: 50 yd<sup>3</sup> hauled

Disposal Facility: Envirotech, Inc. Land Farm, NMOCD Permit # NM-01-0011, Hill Top, NM

Liquids: No liquids were recovered.

OIL CONS. DIV.

DIST. 3



## INTRODUCTION

On behalf of Enterprise Products Operating, LLC. (Enterprise), Souder, Miller & Associates (SMA) has prepared this report that describes tasks that were completed to remediate a hydrocarbon release associated with the Lateral D-9 pipeline. The pipeline release was reported on October 12, 2011. The pipeline is located in Unit M (SW ¼, SW ¼) Section 5 Township 27 North, Range 8W, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the pipeline release. Figure 2,

## FIELD ACTIVITIES

On October 17, 2011, SMA mobilized to the site to assess the pipeline release. Impacted soil was excavated to expose the ruptured pipeline. After the pipeline was exposed for repairs, the soil contamination was determined to extend beyond the initial excavation. The excavation was expanded to approximately 20 feet long by 10 feet wide. The total depth of the excavation was limited by bedrock to four feet below ground surface. Photographs are included in Appendix A. SMA collected five soil samples for field head space analysis with a photo-ionization detector (PID) and for laboratory analysis. Figure 2, Site Map, illustrates the soil sample locations. A summary of the field headspace results is included in Table 1, Summary of PID Results.

Soil samples collected for laboratory analysis were placed in four-ounce glass jars, labeled with date and time, sealed with chain of custody evidence tape, and placed on ice for shipment to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. The soil samples were analyzed by United State Environmental Protection Agency Method 8021 for benzene, toluene, ethylbenzene, total xylenes (BTEX) and Method 8015 for Diesel Range Organics (DRO)/Gasoline Range Organics (GRO). A summary of the laboratory analyses are included in Table 2, Summary of Laboratory Analyses and the laboratory reports are included in Appendix B.

All contaminated soil was loaded onto ten cubic yard tandem dump trucks and transported to Envirotech Inc.'s landfarm at Hilltop, New Mexico for proper disposal. A total of 50 cubic yards were excavated and disposed.

## CONCLUSIONS AND RECOMMENDATIONS

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases establish action levels for contaminants of concern where the depth to groundwater is greater than 100 feet bgs, where it is greater than a 1,000 horizontal feet from a domestic water source, and where it is greater than a 1,000 horizontal feet from a surface water body to be 10 parts per million (ppm) benzene, 50 ppm total BTEX (benzene, toluene, ethyl-benzene, and xylenes) and 5,000 ppm total petroleum hydrocarbons (TPH). Laboratory analysis show the soil samples collected from the bottom east wall of the excavation where bedrock was encountered exceed the NMOCD action levels for BTEX. All other chemicals of concern in the soil samples collected and are below the required NMOCD action levels.

SMA recommends that no further action is necessary at this release site. The bedrock encountered at the bottom of the excavation prevents the removal of additional contaminated material.

## **CLOSURE AND LIMITATIONS**

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

### Figures:

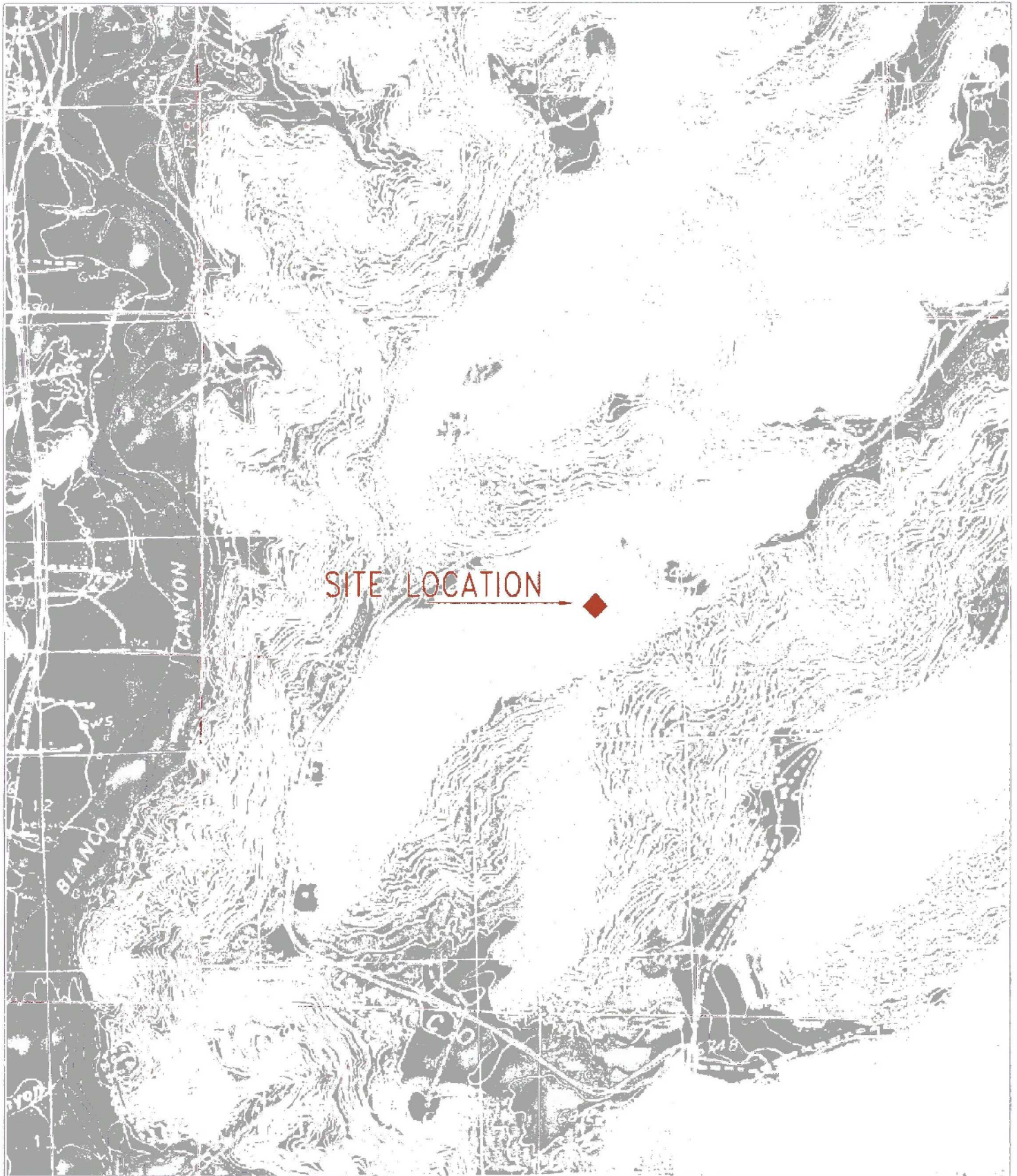
Figure 1, Vicinity Map  
Figure 2, Site Map

### Tables:

Table 1, Summary of Field Head Space Analyses Results  
Table 2, Summary of Laboratory Analyses

### Appendices:

Appendix A, Site Photography  
Appendix B, Laboratory Reports



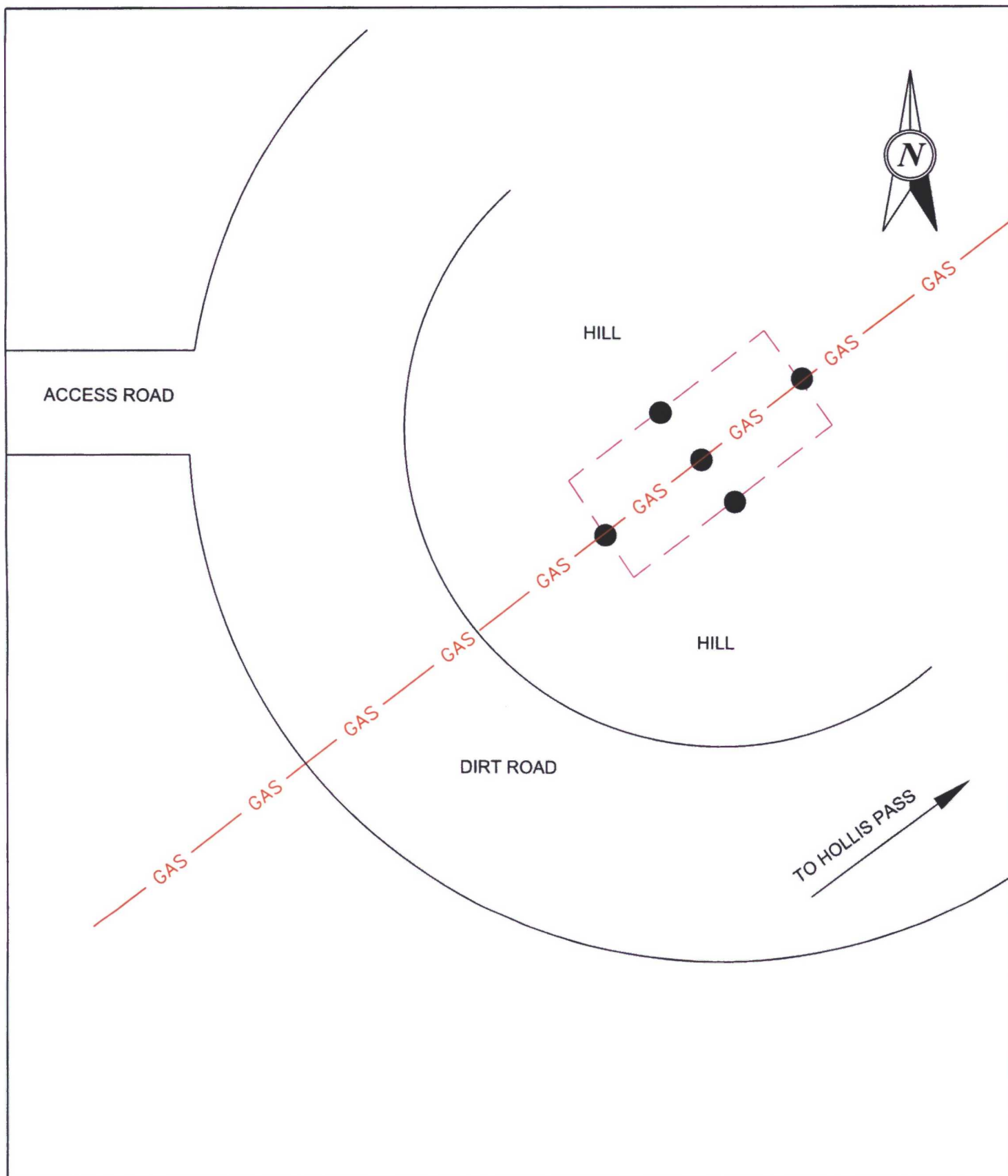
8101 SAN JUAN BLVD  
FARMINGTON, NM 87401

TEL (505) 327-1400  
FAX (505) 328-6447

APPROVED BY: [Signature]  
DRAWN BY: TLOM  
REVISIONS BY:  
PROJECT # 5120657

DATE: 12/1/2011  
DATE: 12/11/2011  
DATE:  
FIGURE: 1

VICINITY MAP  
LATERAL D-9  
SW SW SECTION 5 T27N R3W  
SAN JUAN COUNTY, NEW MEXICO



— HEAD SPACE AND LABORATORY SAMPLE LOCATION



2101 SAN JUAN BLVD  
FARMINGTON, NM 87401

FAX (505) 327-1496  
PH. (505) 325-8887

APPROVED: DGF

DRAWN BY: TLONG

REVISIONS BY:

PROJECT # 5120957

DATE: 12/1/2011

DATE: 12/1/2011

DATE:

FIGURE: 2

SITE MAP  
LATERAL D-9  
SW SW SECTION 5 T27N R8W  
SAN JUAN COUNTY, NEW MEXICO

Table 1: Summary of PID Results  
Lateral D-9 Pipeline Release  
NW1/4, SE1/4 Sec. 6-T27N-R8W  
San Juan County, New Mexico

SMA Project #  
5120957 BG 30

Sample ID	Date	Result (ppm)
Bottom @ 4'	10/17/111	2392
East Wall	10/17/111	1619
West Wall	10/17/111	35
North Wall	10/17/111	1349
South Wall	10/17/111	122



Table 2: Summary of Laboratory Analysis  
Lateral D-9 Pipeline Release  
SW1/4, SW1/4 Sec. 5-T27N-R8W  
San Juan County, New Mexico

SMA Project # 5120957 BG 30

Sample Name	Date	USEPA METHOD 8021*					USEPA METHOD 8015*	
		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	Total BTEX	Diesel Range Organics	Gasoline Range Organics
Bottom @ 4' ( <b>Bedrock</b> )	11/17/2011	0.082	1.1	0.56	6.5	8.242	110	45
East Wall ( <b>Bedrock</b> )	11/17/2011	2.5	28	7.4	77	114.9	220	410
West Wall ( <b>Bedrock</b> )	11/17/2011	<0.047	<0.047	<0.047	<0.094		21	<4.7
North Wall ( <b>Bedrock</b> )	11/17/2011	0.34	5.4	1.8	19	26.54	190	120
South Wall ( <b>Bedrock</b> )	11/17/2011	<0.049	<0.15	<0.064	<0.059		<10	<4.9
OCD Action Levels		10				50	5000	

\*all results in mg/Kg

**Red** indicates in excess of OCD Action Levels



Site Photography  
Enterprise Products  
Lateral D-9 Pipeline Release  
SW1/4, SW1/4 Sec. 5-T27N-R8W  
San Juan County, New Mexico

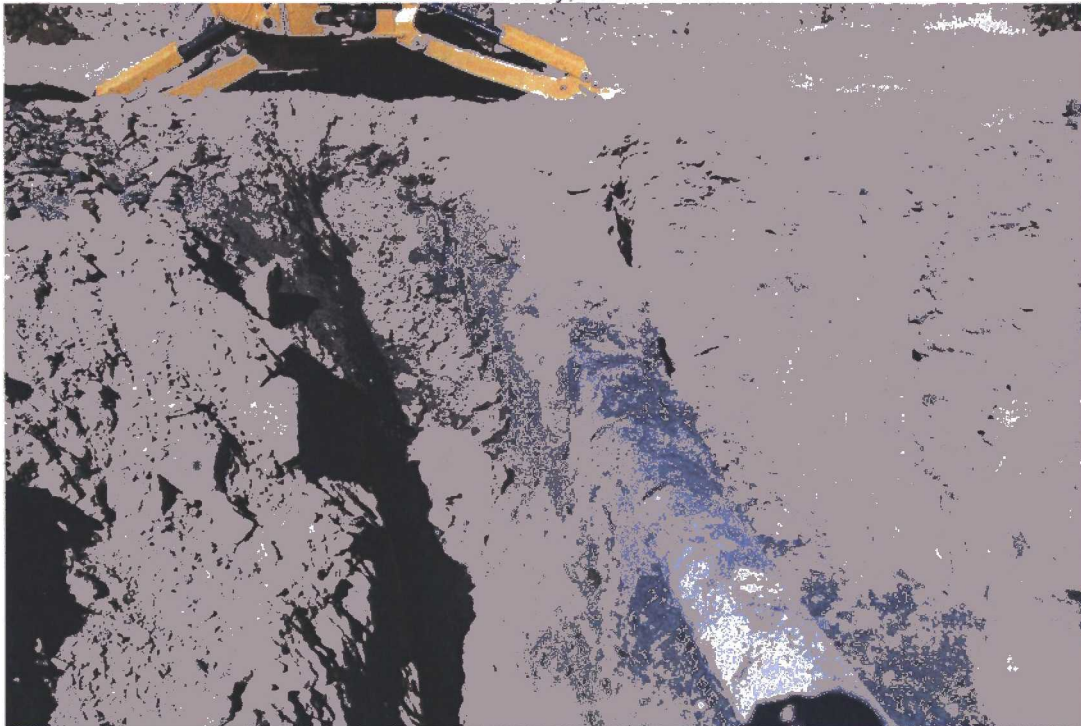


Photo 1: View of the excavation around the pipeline.



Photo 2: View of the excavation around the pipeline.

Site Photography  
Enterprise Products  
Lateral D-9 Pipeline Release  
SW1/4, SW1/4 Sec. 5-T27N-R8W  
San Juan County, New Mexico



**Photo 3: View of the excavation around the pipeline.**



**Photo 4: View of the pipeline being repaired.**



## COVER LETTER

Wednesday, November 30, 2011

Tom Long  
Souder, Miller and Associates  
2101 San Juan Boulevard  
Farmington, NM 87401

TEL: (505) 330-0868  
FAX (505) 327-1496

RE: Enterprise Lateral D-9

Order No.: 1111786

Dear Tom Long:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 11/18/2011 for the analyses presented in the following report.

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

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

Sincerely,

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

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901  
AZ license # AZ0682

**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Nov-11

Analytical Report

**CLIENT:** Souder, Miller and Associates  
**Lab Order:** 1111786  
**Project:** Enterprise Lateral D-9  
**Lab ID:** 1111786-01

**Client Sample ID:** South Wall  
**Collection Date:** 11/17/2011 11:40:00 PM  
**Date Received:** 11/18/2011  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/22/2011 10:39:26 AM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	11/22/2011 10:39:26 AM
Surr: DNOP	92.2	77.4-131		%REC	1	11/22/2011 10:39:26 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/28/2011 1:50:09 PM
Surr: BFB	108	75.2-136		%REC	1	11/28/2011 1:50:09 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.049		mg/Kg	1	11/28/2011 1:50:09 PM
Toluene	0.15	0.049		mg/Kg	1	11/28/2011 1:50:09 PM
Ethylbenzene	0.064	0.049		mg/Kg	1	11/28/2011 1:50:09 PM
Xylenes, Total	0.59	0.098		mg/Kg	1	11/28/2011 1:50:09 PM
Surr: 4-Bromofluorobenzene	114	80-120		%REC	1	11/28/2011 1:50:09 PM

**Qualifiers:**

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

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

Page 1 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Nov-11

**Analytical Report****CLIENT:** Souder, Miller and Associates**Client Sample ID:** Bottom @ 4'**Lab Order:** 1111786**Collection Date:** 11/17/2011 12:05:00 PM**Project:** Enterprise Lateral D-9**Date Received:** 11/18/2011**Lab ID:** 1111786-02**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	110	9.9		mg/Kg	1	11/23/2011 8:31:48 AM
Motor Oil Range Organics (MRO)	59	50		mg/Kg	1	11/23/2011 8:31:48 AM
Surr: DNOP	98.9	77.4-131		%REC	1	11/23/2011 8:31:48 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	45	4.8		mg/Kg	1	11/28/2011 2:19:04 PM
Surr: BFB	204	75.2-136	S	%REC	1	11/28/2011 2:19:04 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	0.082	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
Toluene	1.1	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
Ethylbenzene	0.56	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
Xylenes, Total	6.5	0.097		mg/Kg	1	11/28/2011 2:19:04 PM
Surr: 4-Bromofluorobenzene	126	80-120	S	%REC	1	11/28/2011 2:19:04 PM

**Qualifiers:**

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

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

Page 2 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Nov-11

Analytical Report

CLIENT: Souder, Miller and Associates

Client Sample ID: North Wall

Lab Order: 1111786

Collection Date: 11/17/2011 12:10:00 PM

Project: Enterprise Lateral D-9

Date Received: 11/18/2011

Lab ID: 1111786-03

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	190	9.7		mg/Kg	1	11/23/2011 9:05:57 AM
Motor Oil Range Organics (MRO)	69	49		mg/Kg	1	11/23/2011 9:05:57 AM
Surr: DNOP	96.9	77.4-131		%REC	1	11/23/2011 9:05:57 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	120	4.8		mg/Kg	1	11/28/2011 2:47:57 PM
Surr: BFB	401	75.2-136	S	%REC	1	11/28/2011 2:47:57 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	0.34	0.048		mg/Kg	1	11/28/2011 2:47:57 PM
Toluene	5.4	0.48		mg/Kg	10	11/29/2011 2:29:27 PM
Ethylbenzene	1.8	0.048		mg/Kg	1	11/28/2011 2:47:57 PM
Xylenes, Total	19	0.96		mg/Kg	10	11/29/2011 2:29:27 PM
Surr: 4-Bromofluorobenzene	149	80-120	S	%REC	1	11/28/2011 2:47:57 PM

**Qualifiers:**

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

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

Page 3 of 5

**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Nov-11

Analytical Report

**CLIENT:** Souder, Miller and Associates  
**Lab Order:** 1111786  
**Project:** Enterprise Lateral D-9  
**Lab ID:** 1111786-04

**Client Sample ID:** East Wall  
**Collection Date:** 11/17/2011 12:20:00 PM  
**Date Received:** 11/18/2011  
**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	220	9.7		mg/Kg	1	11/23/2011 9:40:22 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/23/2011 9:40:22 AM
Surr: DNOP	94.6	77.4-131		%REC	1	11/23/2011 9:40:22 AM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	410	9.9		mg/Kg	2	11/28/2011 3:16:44 PM
Surr: BFB	541	75.2-136	S	%REC	2	11/28/2011 3:16:44 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	2.5	0.099		mg/Kg	2	11/28/2011 3:16:44 PM
Toluene	28	0.99		mg/Kg	20	11/29/2011 2:58:18 PM
Ethylbenzene	7.4	0.099		mg/Kg	2	11/28/2011 3:16:44 PM
Xylenes, Total	77	2.0		mg/Kg	20	11/29/2011 2:58:18 PM
Surr: 4-Bromofluorobenzene	183	80-120	S	%REC	2	11/28/2011 3:16:44 PM

**Qualifiers:**

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

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

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**Hall Environmental Analysis Laboratory, Inc.**

Date: 30-Nov-11

Analytical Report

CLIENT: Souder, Miller and Associates

Client Sample ID: West Wall

Lab Order: 1111786

Collection Date: 11/17/2011 12:30:00 PM

Project: Enterprise Lateral D-9

Date Received: 11/18/2011

Lab ID: 1111786-05

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: JB
Diesel Range Organics (DRO)	21	9.9		mg/Kg	1	11/22/2011 1:05:12 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/22/2011 1:05:12 PM
Surr: DNOP	93.4	77.4-131		%REC	1	11/22/2011 1:05:12 PM
<b>EPA METHOD 8015B: GASOLINE RANGE</b>						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2011 3:55:59 PM
Surr: BFB	98.7	75.2-136		%REC	1	11/29/2011 3:55:59 PM
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: RAA
Benzene	ND	0.047		mg/Kg	1	11/29/2011 3:55:59 PM
Toluene	ND	0.047		mg/Kg	1	11/29/2011 3:55:59 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2011 3:55:59 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2011 3:55:59 PM
Surr: 4-Bromofluorobenzene	110	80-120		%REC	1	11/29/2011 3:55:59 PM

**Qualifiers:**

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

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

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## QA/QC SUMMARY REPORT

Client: Souder, Miller and Associates  
Project: Enterprise Lateral D-9

Work Order: 1111786

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
<b>Method: EPA Method 8015B: Diesel Range Organics</b>											
Sample ID: 1111786-01AMSD		MSD									
Diesel Range Organics (DRO)	48.58	mg/Kg	9.9	49.41	7.527	83.1	57.2	146	22.6	26.7	
Sample ID: MB-29464		MBLK									
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-29464		LCS									
Diesel Range Organics (DRO)	45.73	mg/Kg	10	50	0	91.5	62.7	139			
Sample ID: 1111786-01AMS		MS									
Diesel Range Organics (DRO)	60.97	mg/Kg	9.9	49.7	7.527	108	57.2	146			
<b>Method: EPA Method 8015B: Gasoline Range</b>											
Sample ID: 1111786-01AMSD		MSD									
Gasoline Range Organics (GRO)	66.02	mg/Kg	4.7	23.26	4.42	265	72.4	149	95.4	19.2	SR
Sample ID: MB-29440		MBLK									
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-29440		LCS									
Gasoline Range Organics (GRO)	29.54	mg/Kg	5.0	25	0	118	86.4	132			
Sample ID: 1111786-01AMS		MS									
Gasoline Range Organics (GRO)	23.37	mg/Kg	4.8	23.81	4.42	79.6	72.4	149			
<b>Method: EPA Method 8021B: Volatiles</b>											
Sample ID: 1111786-02AMSD		MSD									
Benzene	1.122	mg/Kg	0.048	0.963	0.0816	108	67.2	113	19.9	14.3	R
Toluene	1.574	mg/Kg	0.048	0.963	1.096	49.6	62.1	116	8.84	15.9	S
Ethylbenzene	1.336	mg/Kg	0.048	0.963	0.5609	80.4	67.9	127	1.26	14.4	
Xylenes, Total	5.952	mg/Kg	0.096	2.89	6.47	-17.9	60.6	134	4.05	12.6	S
Sample ID: MB-29440		MBLK									
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: LCS-29440		LCS									
Benzene	1.153	mg/Kg	0.050	1	0.0219	113	80	120			
Toluene	1.165	mg/Kg	0.050	1	0.0221	114	80	120			
Ethylbenzene	1.165	mg/Kg	0.050	1	0.0236	114	80	120			
Xylenes, Total	3.518	mg/Kg	0.10	3	0.0731	115	80	120			
Sample ID: 1111786-02AMS		MS									
Benzene	0.9188	mg/Kg	0.049	0.976	0.0816	85.8	67.2	113			
Toluene	1.719	mg/Kg	0.049	0.976	1.096	63.9	62.1	116			
Ethylbenzene	1.353	mg/Kg	0.049	0.976	0.5609	81.2	67.9	127			
Xylenes, Total	6.198	mg/Kg	0.098	2.927	6.47	-9.31	60.6	134			S

### Qualifiers:

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

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name SMA-FARM

Date Received:

11/18/2011

Work Order Number 1111786

Received by: AT

Sample ID labels checked by:

Checklist completed by:

Signature

Date

Initials

Matrix:

Carrier name: FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Number of preserved bottles checked for pH:

<2 >12 unless noted below.

Container/Temp Blank temperature?

1.4°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

