

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

3R-1011

Release Report/ General Correspondence

Enterprise SJ

Date: 2012



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
ubmit 1 Copy to appropriate District Office in

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.

			Rele	ease Notific	ation	and Co	orrective A	ction						
						OPERATOR								
		nterprise Pro				Contact Aaron Dailey								
		venue, Farmi l 6A-19 Reco				Telephone No. (505)599-2286 Facility Type Pigging Receiver								
			very ru											
Surface Own	ner: BLM			Mineral O	wner:	BLM	*		API No)				
						OF RE								
Unit Letter	Section 26	Township 26N	Range 9W	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County San Juan				
	Latitude_N36deg27'39" Longitude_W107deg45'42" (DDMMSS)													
Trmo of Dolor	NATURE OF RELEASE Type of Release Natural Gas Condensate Volume of Release 105Barrels Volume Recovered 95 barrels and 364													
Type of Refer	ase Natura	Gas Condens	ate			volume of	Release 105Barro	eis		contaminated				
Source of Release Condensate storage tanks—frozen and broken valve					valve		Hour of Occurrence 11 @ 07:00 hours d)			Hour of Dise 1 @ 13:00 h				
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required						If YES, To Brandon P	Whom? owell, Staff Mana	ger, NM	I OCD Azi	ec District C	Office	4.00		
By Whom?							lour 12.08.2011		nours	RCVD JAN				
Was a Watercourse Reached? ☐ Yes ☒ No						If YES, Volume Impacting the Watercourse. OIL CONS. DIV.								
If a Watercou	rse was Im	pacted, Descri	be Fully.	k			-			DIST				
The load line the containme	on the reco	Approximately	ze and bro	n Taken.* oke. This load line els of condensate n e area was secured	nix was	released to the	he ground just We	est of the	e containm					
The majority and West of t the day of the environmenta and confirm t	of the cond he roadway release. T il contracto he depth of	he ground was r was able to c clean soil at t	across the ruck with s icy and f delineate s he bottom	cen.* e road and into a b extra hose portion frozen below the co tained soil areas, d of these impacted ttached to this rele	s was us ondensa lirect dir areas th	sed to vacuum te spill which t work contra that were rem	n up approximate h allowed for a higactors to excavate	ly 90 to gh recover and hau	95 barrels very succes al any area	of released of s rate. A thin that was about	rd part	sate by 17:30 y D standard,		
regulations al public health should their co or the environ	l operators or the envir operations hament. In a	are required to ronment. The lave failed to a	report ar acceptance dequately CD accep	e is true and compled/or file certain rece of a C-141 report investigate and rectance of a C-141 r	elease no rt by the emediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thre	tive acti eport" de eat to gr	ons for rele oes not rele ound water	eases which ieve the oper r, surface wa	may er rator of iter, hu	ndanger `liability man health		
Signature:	Aaron		LB			Approved by	OIL CONS		\cap	DIVISIO	<u>N</u>			
Printed Name	: Aaron D	ailey							1	*V V	(-0			
Title: Field E	Environmen	tal Scientist			F	Approval Dat	e: 2/27/2	0/2 1	Expiration	Date:		U		
E-mail Addre	ess: amdaile	ey@eprod.con	n			Conditions of	Approval:			Attached				
	.2012	7017		05)599-2286										
Attach Addit	ional Shee	ets If Necess	ary			n	JK 1205	827	464			011		



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.

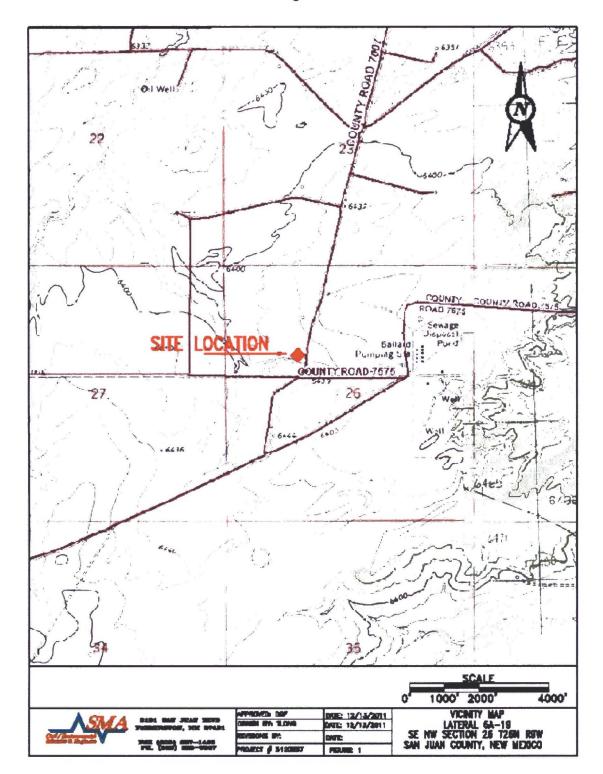
SMA Reference # 5120957 BG 34

RCVD JAN 25'12

OIL CONS. DIV.

DIST. 3

Figure 1



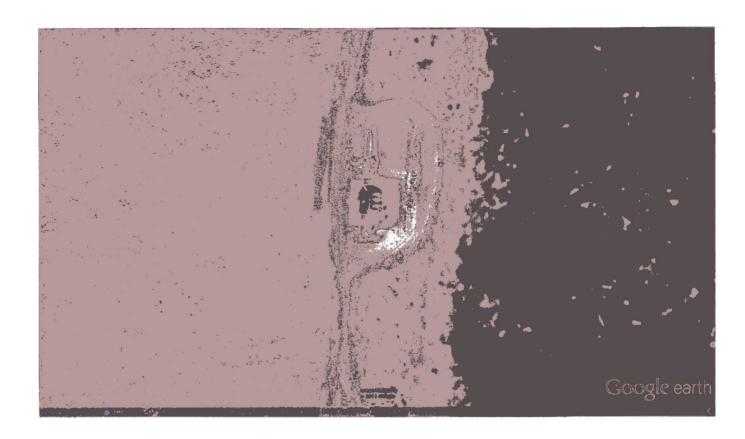
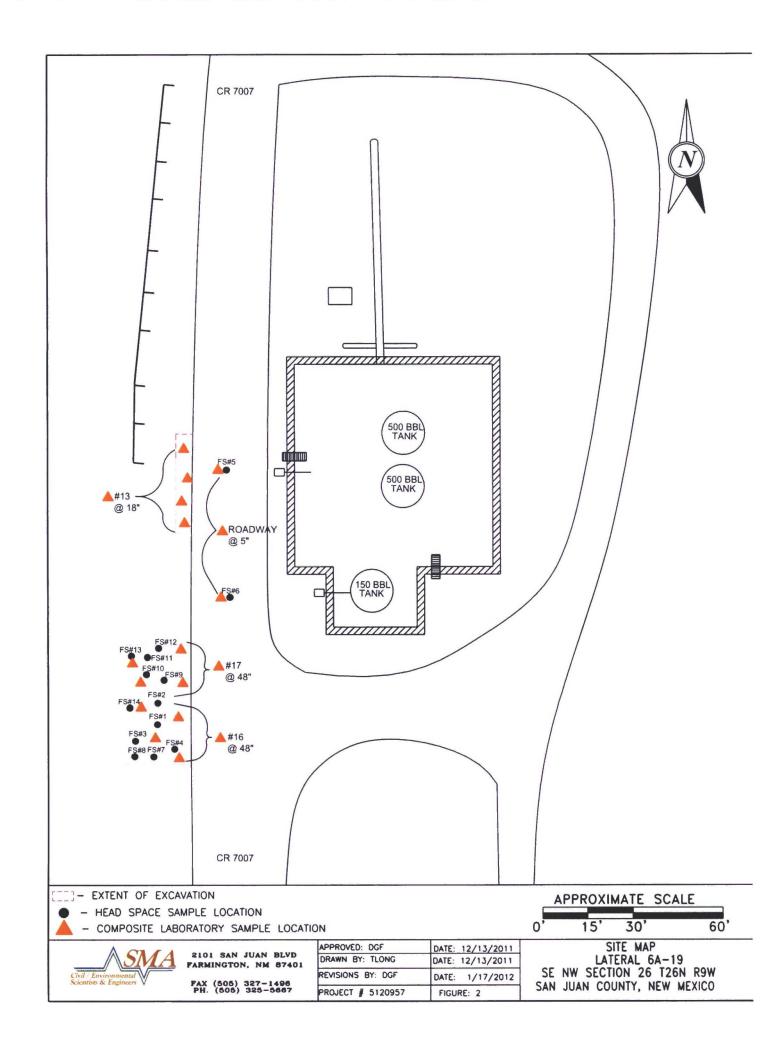


Figure 1B Release Site: Lateral 6A-19 Pigging Fluids Tank 36° 37' 40.55" North, 107° 45' 41.53" West



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.

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1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

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

			Itel	ase Mullic				CUOII	_				
						OPERA?			✓ Initia	l Report	U	Final Report	
		nterprise Pro				Contact Aaron Dailey							
Address 61	4 Reilly A	venue, Farm	ington 8'	7401	1	Telephone No. (505) 599-2286							
Facility Na	ne Latera	EA-19 recov	ery tanks		J	Facility Type Pigging receiver							
Surface Ow	ner BLM			Mineral C	wner E	BLM			Lease N	o. N/A			
				1.004	TION	LOEDE	EACE						
						OF RE		-		^			
Unit Letter	Section 26	Township T26N	Range R9W	Feet from the	North/	South Line	Feet from the	Vest Line	County San Juan				
		L	atitude_	N 36.27'39.39"	Lor	ngitude_W	107.45'42.42" ((DDM)	ASS)				
				NAT	URE	OF REL	EASE						
		ced water and		te mix			Release: 105 Ba		Volume F	ecovered:	105 Barr	rels	
Source of Re	lease: Liqu	id slug catche	r tanks				lour of Occurrence @ 07:00 hours (Hour of Disc 1 @ 13:00 h			
Was Immedia	Was Immediate Notice Given?					If YES, To	Whom?	est)	12.00.201	1 (63 13:00 1	iouis		
✓ Yes ☐ No ☐ Not Required							owell, Staff Mana	iger, NN	OCD Azt	ec District			
By Whom? Aaron Dailey							lour 12.08.2011						
Was a Watercourse Reached? ☐ Yes ☑ No						If YES, Volume Impacting the Watercourse.							
If a Watercon	irse was Im	pacted, Descr	ibe Fully.										
Describe Cau	se of Proble	em and Reme	dial Actio	n Taken. The load	l line on	the recovery	tanks froze and b	roke. T	his load lin	e was the on	ly valve	blocking	
							ely 105 barrels of						
							um trucks arrived						
		and Cleanup											
							nis location West						
							ed to vacuum up						
							which allowed for						
							actors to excavate						
		l be submitted			re remov	noved. Clean fill material was transported in and emplaced. A third party							
					lete to th	a hact of my	knowledge and u	ndersta	ad that muse	want to NM	OCD mi	lec and	
							nd perform correct						
							arked as "Final R						
							on that pose a thr						
				stance of a C-141	report de	oes not reliev	e the operator of	respons	ibility for c	ompliance w	rith any	other	
federal, state	or local lav	ws and/or regu	lations.										
							OIL CON	SERV	ATION	DIVISIO	N		
i	Α												
	-/-	1. 1.	\			Annroved by	District Supervis	or:					
Signature:	6 1 5.3.5 m		- >			approved by	District Supervis						
Printed Name	e: Aaron Da	ailey											
Title: Field I	Environmen	tal Scientist				Approval Da	te:		Expiration	Date:			
E-mail Addre	ess: amdaile	y@eprod.com	1			Conditions o	f Approval:			Attached			
Date: 12 10	2011		Dhone: (4	505) 500 2286		Attached							

SMA Project #5120957 BG 34

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

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



SMA Project # 5120957 BG 34

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

		USE	USEPA METHOD 8015*					
Sample Name	Date	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	50	000	

*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
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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

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

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

Form C-138 Revised March 12, 2007

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
gathering system line. Envirotech is authorized to sign the Generator Waste Testing Certifi
Estimated Volume 40 yd3/bbls Known Volume (to be entered by the operator at the end of the haul) yd3/bbls 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
Enterprise Products
I, cynthia Gray , representative or authorized agent for SICNATURE OF REPRESENTATIVE PRINT NAME COMPANY NAME
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 be 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, do hereby certify that representative samples
SIGNATURE OF REPRESENTATIVE COMPANY NAME
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

Land Farm Administrator

April E Pohl

□ APPROVED

TITLE:

Waste Acceptance Status:

PRINT NAME:

SIGNATURE:

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

DATE:

TELEPHONE NO.: 505-632-0615

envirotech CHLORIDE TESTING / PAINT FILTER TESTING

DATE 12-9-	<u>[[</u>	1257	Attach test strip here
CUSTOMER	Enterprise		
SITE	lat bA	_	
DRIVER	- Kan Bal	<u>/</u>	
SAMPLE	Soil		
CHLORIDE TEST	-282 mg/Kg		
ACCEPTED	YES	NO	
PAINT FILTER TEST	Time started 1257	Time completed	105
PASS	YES	NO	
SAMPLER/ANALYST			

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



Bill of Lading

MANIFEST #	40398	
10 4	1-1/2	11177

PHON	E: (505) 632-0615 • 579	96 U.S. HIGHWAY	64 • FARMINGTO	ON, NEW N	IEXICO 874	101	DATE 10-9-11	١	JOB# <u>4</u>	105 1-04	10
LOAD	CON	PLETE DESCRI	IPTION OF SHIF	PMENT						OMPANY	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNA	ATURE
l.	Enterprise Lat 6A	LF II-5	Cont	U-11	10	1	Doug footz	435	1256	Kon 3	t
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3	11 11	11	1(U-11	10_	_	(/	835	13148	An Da	1
					20						•
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010	PAINT FILTER TEST		tion of above re	eceival & p	olacemen	t					
"I certify	the material hauled from the additional materials have been	above location ha	s not been added	to or mixed	with, and i	s the san	ne material received	from the	above r	mentioned Genera	ator, and
	Λ.	Fantz Cons	+ NAME	Rm C	3064 T	_	SIGN	NATURE	Sa	Bilt	
	NY CONTACT COM	Fout		325	5- 492	2	DATI	E_/2	-09-	11	
Signa	tures required prior to dis	stribution of this	legal documer	nt.						CCENT Printing a Form 39	1212

envirotech CHLORIDE TESTING / PAINT FILTER TESTING

DATE /2-14	11	TIME _	15:4"	2	Attach test strip here
CUSTOMER	Enterplise				a l
SITE	Lay bA	A			A LACO
DRIVER	Cleurkod				
SAMPLE	Soil				
CHLORIDE TEST	-282 mg/Kg				
ACCEPTED	YES		NO		
PAINT FILTER TEST	Time started		Time comple	ited	
PASS	YES		NO		
SAMPLER/ANALYST	Ma k				
					The same of the sa

Be	nviro	otech
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Bill of Lading

MANIFEST # 40422

PHON	E: (505) 632-0615	5 • 579	96 U.S. HIGHWAY	64 • FARMINGTO	ON, NEW M	IEXICO 874	101	DATE 1979	<u> </u>	IOB# \mathcal{L}	17051-0412
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	/ the material hauled fi additional materials ha			s not been added	to or mixed	with, and is	s the san	ne material received	from the	above r	mentioned Generator, and
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COMPA	NY CONTACT	0		PHONE		U		DATE	12	12.	11
	ures required prior	r to dis	stribution of this	legal documen	nt.					A	CCENT Printing • Form 28-1212



Bill of Lading

5	3	
	5	53

								WANTEST #			
PHON	E: (505) 632-061	5 • 579	96 U.S. HIGHWAY	64 • FARMINGTO	ON, NEW M	IEXICO 874	401	DATE 12-14	4-11.	JOB#	97087-0472
LOAD		CON	PLETE DESCR	IPTION OF SHIF	PMENT			TRA	NSPOR	TING CO	OMPANY
NO.	POINT OF ORIG	200 00	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Entenprise Lot GA		LF#-5	CONT	X-13	10	_	Doughatz	835	9147	Kon Fill
2	11		11	V	X-13	16	-	נו יי	334	1047	faces feet
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3	<i>v</i>	4	u	U	X-13	10	_	u u	835	13:03	Ron Failt
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7	ч	U	v u	4	X-13	10	7) .	835	1320	Ron Dall
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					1						
RESULT	I	2	LANDFARM EMPLOYEE:	(racy)	labo	in D19	2 Boil	NOTES:			
	PAINT FILTER TEST	AINT FILTER 9 Certification of above received & placement									



CHLORIDE TESTING / PAINT FILTER TESTING

DATE /2-/3	-11	TIME	0:25	Attach test strip here
CUSTOMER	Exurese			G N
SITE	CAT GA	-		Ä
DRIVER	Tim =	5,01		
SAMPLE (esoil			
CHLORIDE TEST	-200 mg/Kg			
ACCEPTED	YES 2	N	0	
PAINT FILTER TEST	Time started 10, 20	Tir	me completed 10,130	
PASS	YES Q	ANO.	0	
SAMPLER/ANALYST	Lave	Lang		

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

envirotech

CHLORIDE TESTING / PAINT FILTER TESTING

DATE /2-/3	TIME	13:25	Attach test strip here
CUSTOMER	Enterpose		9,1
SITE	LAT 6 A		TA B
DRIVER	Kandy Four	f2	
SAMPLE	SOI		
CHLORIDE TEST	-288 mg/Kg		
ACCEPTED	YES	NO	
PAINT FILTER TEST	Time started 13:27	Time completed / 3:30	
PASS	YES O	/NO	
SAMPLER/ANALYS	Tan Z		



Signatures required prior to distribution of this legal document.

Bill of Lading

MANIFEST #______40437

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 DATE 12 • 13-11 JOB# 97057-0472												
LOAD	CON	APLETE DESCRI	PTION OF SHIF	PMENT						OMPANY		
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE		
2	ENAPRISC CAD GA	4#-5	Sort	V-13	10	_	Pas Fout2	835	To:05	Am Enet.		
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				-	80					// /		
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RESULTS: LANDFARM / NOTES:												
280 CHLORIDE TEST 2 EMPLOYEE: Jav Jav												
TEST 2 Certification of above receival & 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."												
TRANS	PORTER CO. Dus For	atz Const	NAME	Kon R	Bright		SIGN	IATURE	Ton	Fill		
COMPA	NY CONTACT COMO F	outz	PHONE	325-	4922	_	DATE	- 12	-13-	11		

White - Company Records, Yellow -





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

Dear Denny Foust:

Order No.: 1112594

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 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

Date: 20-Dec-11

Analytical Report

CLIENT:

Souder, Miller and Associates

Client Sample ID: Sample #13

Lab Order:

1112594

Collection Date: 12/10/2011 11:30:00 AM

Project:

Enterprise Prod 6A-19 Tank Release Condensat

Date Received: 12/13/2011

Lab ID:

1112594-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE					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
EPA METHOD 8015B: GASOLINE RAN	GE					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
EPA METHOD 8021B: VOLATILES						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

- * 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

Date: 20-Dec-11

Analytical Report

CLIENT:

Souder, Miller and Associates

Client Sample ID: Sample #16

Lab Order:

1112594

Collection Date: 12/10/2011 1:30:00 PM

Project:

Enterprise Prod 6A-19 Tank Release Condensat

Date Received: 12/13/2011

Lab ID:

1112594-02

Matrix: SOIL

Analyses	Result	PQL	Qual Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS		,		Analyst: JB
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
EPA METHOD 8015B: GASOLINE RAN	IGE				Analyst: RAA
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
EPA METHOD 8021B: VOLATILES					Analyst: RAA
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

- * 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

Date: 20-Dec-11
Analytical Report

CLIENT:

Souder, Miller and Associates

Client Sample ID: Sample #17

Lab Order:

1112594

Collection Date: 12/10/2011 1:35:00 PM

Project:

Enterprise Prod 6A-19 Tank Release Condensat

Date Received: 12/13/2011

Lab ID:

1112594-03

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					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
EPA METHOD 8015B: GASOLINE RA	NGE					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
EPA METHOD 8021B: VOLATILES						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

- * 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

Date: 20-Dec-11

QA/QC SUMMARY REPORT

Client:

Souder, Miller and Associates

Project:

Enterprise Prod 6A-19 Tank Release Condensat

Work Order:

1112594

110jecti Enterprise 1	104 011 17								k Older.	1112394
Analyte	Result	Units	PQL	SPK Va SP	K ref	%Rec Lo	wLimit Hig	jhLimit %RP	D RPDLim	t Qual
Method: EPA Method 8015B: D	Diesel Range	Organics								
Sample ID: MB-29750		MBLK				Batch ID:	29750	Analysis Date:	12/16/201	1 2:46:06 PN
Diesel Range Organics (DRO)	ND	mg/Kg	10							
Motor Oil Range Organics (MRO)	ND	mg/Kg	50							
Sample ID: LCS-29750		LCS				Batch ID:	29750	Analysis Date:	12/16/201	1 3:16:07 PM
Diesel Range Organics (DRO)	57.12	mg/Kg	10	50	0	114	62.7	139		
Method: EPA Method 8015B: 0	Sasoline Rar	nge								
Sample ID: MB-29737		MBLK				Batch ID:	29737	Analysis Date:	12/16/2011	12:20:27 PN
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0							
Sample ID: LCS-29737		LCS				Batch ID:	29737	Analysis Date:	12/16/2011	11:19:58 AN
Gasoline Range Organics (GRO)	28.64	mg/Kg	5.0	25 2	.06	106	86.4	132		
Method: EPA Method 8021B: V	olatiles									
Sample ID: MB-29737		MBLK				Batch ID:	29737	Analysis Date:	12/16/2011	12:20:27 PN
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-29737		LCS				Batch ID:	29737	Analysis Date:	12/16/2011	11:50:10 AM
Benzene	1.048	mg/Kg	0.050	1 0.00	038	104	80	120		
Toluene	1.009	mg/Kg	0.050	1 0.00	059	100	80	120		
Ethylbenzene	1.070	mg/Kg	0.050	1 0.0	085	106	80	120		
Xylenes, Total	3.322	mg/Kg	0.10	3	0	111	80	120		

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

Sample Receipt Checklist Client Name SMA-FARM Date Received: 12/13/2018 Work Order Number 1112594 Received by: AT Sample ID labels checked by: Checklist completed by: Matrix: Carrier name **Emery** Yes 🗸 No 🗌 Not Present Shipping container/cooler in good condition? Yes 🗹 No 🗌 Custody seals intact on shipping container/cooler? Not Present Not Shipped No 🗌 Yes 🗌 **V** Custody seals intact on sample bottles? N/A Yes 🗸 No 🗌 Chain of custody present? Yes 🗸 No 🗌 Chain of custody signed when relinquished and received? Yes 🗸 No 🗌 Chain of custody agrees with sample labels? Samples in proper container/bottle? Yes 🗸 No 🗌 Yes 🗸 No 🗌 Sample containers intact? Sufficient sample volume for indicated test? Yes 🗸 No 🗌 All samples received within holding time? Yes 🗸 No 🗌 Number of preserved bottles checked for Yes No VOA vials submitted No 🗌 Water - VOA vials have zero headspace? pH: Yes No 🗌 N/A Water - Preservation labels on bottle and cap match? Yes No 🗔 N/A V Water - pH acceptable upon receipt? <2 >12 unless noted below. Container/Temp Blank temperature? 1.0° <6° C Acceptable If given sufficient time to cool. COMMENTS: Person contacted Client contacted Date contacted: Contacted by: Regarding: Comments: Corrective Action

Client Entrypise Products Souder Miller and Misserts Maling Address: 2101 San Jun Rivel Farmington, N/M 87401 Fine Brook Release Condensation Farmington, N/M 87401 Fine Brook Release Condensation For Soc 3257355 For Soc 325735 For Soc 3257355 For Soc 3257355 For Soc 3257355 For Soc 325735 For Soc	C	hain	of-Cu	stody Record	Turn-Around	Time:						ш	A I I	=	M	/TE	20	D. I.		RIT	AI	
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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

Dear Denny Foust:

Order No.: 1112681

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 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

Date: 05-Jan-12 Analytical Report

CLIENT:

Souder, Miller and Associates

Lab Order:

1112681

Project:

1112681-01

EPCO Later 6A-19

Client Sample ID: Road @ 6"

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

Date Received: 12/14/2011

Matrix: SOIL

Lab ID: 1112681-01				Matri	: SOIL	
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS					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
EPA METHOD 8015B: GASOLINE R	ANGE					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
EPA METHOD 8021B: VOLATILES						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

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

- 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
- Spike recovery outside accepted recovery limits

Date: 04-Jan-12

QA/QC SUMMARY REPORT

Client:

Souder, Miller and Associates

Project:

EPCO Later 6A-19

Work Order:

1112681

Project: Erco Later	UA-19								WOFK	Oruer:	1112081
Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec L	owLimit Hi	ghLimit	%RPD	RPDLimi	t Qual
Method: EPA Method 8015B: D	iesel Range	Organics									
Sample ID: MB-29785		MBLK				Batch ID:	29785	Analysis	Date:	12/16/2011	11:07:44 PI
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-29785		LCS				Batch ID:	29785	Analysis	Date:	12/16/2011	11:36:54 PI
Diesel Range Organics (DRO)	56.57	mg/Kg	10	50	0	113	62.7	139			
Method: EPA Method 8015B: G	asoline Rai	nge									
Sample ID: MB-29783		MBLK				Batch ID:	29783	Analysis	Date:	12/19/2011	11:26:07 A
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-29783		LCS				Batch ID:	29783	Analysis	Date:	12/19/2011	10:28:29 Al
Gasoline Range Organics (GRO)	26.63	mg/Kg	5.0	25	0	107	86.4	132			
Method: EPA Method 8021B: V	olatiles										
Sample ID: 1112681-01AMSD		MSD				Batch ID:	29783	Analysis	Date:	12/19/2011	11:01:59 PI
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				Batch ID:	29783	Analysis	Date:	12/19/2011	11:26:07 A
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				Batch ID:	29783	Analysis	Date:	12/19/2011	10:57:17 AI
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				Batch ID:	29783	Analysis	Date:	12/19/2011	10:33:06 Pf
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

Λ.	-12	et	
w	ıau	пе	rs.

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

Sample Receipt Checklist

Client Name SMA-FARM		Date Received:	12/14/2011
Work Order Number 1112681	,	Received by: LNM	\
Checklist completed by:	12/14 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 receive	ved? 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 🗆	Number of preserved
Water - VOA vials have zero headspace?	VOA vials submitted	Yes 🗆 No 🗆	bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes	No □ N/A 🗹	
Water - pH acceptable upon receipt?	Yes	No □ N/A 🗹	<2 >12 unless noted below.
Container/Temp Blank temperature?	1.0°	<6° C Acceptable	501011.
COMMENTS:		If given sufficient time to cool.	
=======================================			
Client contacted Date	contacted:	Person contacted	
Contacted by: Regard	ırding:		
Comments:	, , , , , , , , , , , , , , , , , , , ,	u-	
Corrective Action			

		of-Cu	stody Record	Turn-Around	Time:					ш	IAI		E	uv	TD		NA	4FI	NTA	A II	
Client:	SM.	A		© Standard	□ Rush				_										TO		į
				Project Name	: , ,	- 6A-19									nenta						
Mailing	Address	: 2101	San Juan Bhod,	EPC	o Later	6477		100	14 LI	awki								109			
I.	rmined	hu h)u	u RTUDÍ	Project #:			1			аwкіі 15-34				-	505-						
Phone :	# < DX	-725-	n 87404 7535	5	120957			16	1. 50	13-34	0-08		W 0		Requ	-					
email or	r Fax#: c	leanu. 1	forst@soudraslbr.com	Project Mana	ger;			<u>2</u>	<u>@</u>										\top		
QA/QC	Package:	- 11		Dei	nny Fou	s +	(8021)	s on	Dies		- 1			8,1	PCB's						
Stan			□ Level 4 (Full Validation)		5] s	(G	3as/					8	2 PC						
Accredi				Sampler: 7	Typnas L	ong	TAB's	+ TPH (Gas only)	9	=	-	⊋		Š	808						2
□ NEL		□ Othe	r	On Ice	Z Yes	.□.No	2 T	$ \pm $	015	418	504	PA	<u>"</u>	o o	38/		8		-		o
□ EDD	(Type) _			Sample Tem	detature: (O		圓	8	bo	B	ō	eta	C, N	cid	8	<u>۽</u>		1		SC
D-4-	T !		O-mala D-mast ID	Container	Preservative	HEALING	+-MTBE	+ MTBE	leth	Meth	Met	P	8	F,	Pest	Š	Sen		- 1	11	pple
Date	Time	Matrix	Sample Request ID	Type and #	Туре	e S TOSK		ВТЕХ	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
12/9/11	13/7	Soil	Road e 6"	1 402 30-	ICE	- \	X		X						<u> </u>					$\dagger \dagger$	
. /																				\prod	
											\neg								\top	\Box	Γ
							T	\Box			\dashv	\neg				\dashv	\dashv	+	+	+	
							-	\Box			_		\neg		\dashv			+	+	++	
				,			+	\vdash		\vdash	\dashv		\dashv			\neg	-	\dashv	+	+	\vdash
							+	\vdash	\dashv	\dashv	\dashv		\dashv	\dashv	\dashv	\dashv	\dashv	+	+	+	\vdash
							+	Н	\dashv	\dashv	\dashv	\dashv	\dashv			\dashv		\dashv	+	+	\vdash
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Data	Time	Polinguich	nd but	Received by:	<u> </u>	Date Time	Day											\perp			
Date:	Time: /400	Relinquish	land Lan	Aha.	,).	Date Time	- Rei	narks	5.												
Date:	Time:	Relinguish	ed by:	Received by:	- Lucet	h /3// 1575 Date Time	\dashv														
12/12/11		pd.	, ,)	1	UM																
1.411	necessary	Samples sub	mitted to Hell Environmental may be sub-	Interested to other a	4 an	7X 1214[1\ 090) io occo	billion /	Anyon	ıb sont	matad	dota	uill bo	alaari	u note	tod an	the	nalutical			

NAME AND ADDRESS OF THE PARTY ADDRESS

envir	otech
-------	-------

Bill of Lading

MANIFEST #	40399
17-9-11	97057-0472

FHON	E: (505) 632-0615	• 579	96 U.S. HIGHWAY	64 • FARMINGTO	ON, NEW M	IEXICO 874	101	DATE 1 6-9	-11	JOB#	1/10/-04/2
LOAD		CON	PLETE DESCR	IPTION OF SHIP	MENT						OMPANY
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enurrotech Clean PIII		Enterprise Lat bd	Clean	_	12	-	Dour Poutz	835	1:00	Ron Colf
3	U	11	11	()	_	13	-	Î	835	207	for Get
						24					
RESUL			LANDFARM EMPLOYEE:				aug	NOTES:			
14	PAINT FILTER TEST		Certifica	tion of above re							
that no	additional materials hav	ve bee	en added."	as not been added	to or mixed	with, and is				1	mentioned Generator, and
TRANS	PORTER CO. Dong	For	itz Const	NAME	Kon	15rigl-		SIGN	NATURE	All	10xxx
COMPA	NY CONTACT	19	Foutz	PHONE		4922		SIGI	E/	2-09	-11
Signal	Signatures required prior to distribution of this legal document.										

envi	rot	ech
-------------	-----	-----

Bill of Lading

40434

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401	DATE 12-13-11 JOB# 97057-0433	>
---	-------------------------------	---

PHON	E: (505) 632-0615	• 579	96 U.S. HIGHWAY	64 • FARMINGTO	ON, NEW M	IEXICO 874	401	DATE 12-13	-//.	JOB# _Z	1051-0422
LOAD		IPLETE DESCRI	TRANSPORTING COMPANY								
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envillatech		englase Cat 6A	CHENN Fill)	12		Pous Four	835	9:20	Ron Bit.
2	4	Lo		و 4	_	12	_	Dod Fox	935	944	Quillok
3	4		u ie	l of	1	12	_	POUDGER	835	15:25	Ren Till
4	4	u		/	(12	_	4	834	10:1	Court feet
5	<i>H</i>	4	44	* *	1	12	-	d A	835	11:35	Ran Till
6	<i>c</i> •	,		" ")	12	_	4 4	834	12:10	Laur fans
7	u	U		t le	_	12	_		835	12:52	Roberts
8	4	44	7 U	4	_	12	_	u	834	/3:27	Sur for
					_	96					
						14					
				0	1			NOTE O			
RESUL	VI au a a a a a a a a a a a a a a a a a a		LANDFARM EMPLOYEE:	Dane	Jan		(OU)	NOTES:			
4	PAINT FILTER Certification of above receival & placement										
1 certify that no	the material hauled from the material hauled from additional materials have	m the	above location han added."	s not been added	to or mixed			ne material received	from the	above r	mentioned Generator, and

COMPANY CONTACT Crais Foutz PHONE 325-4922 DATE 12-13-1 Signatures required prior to distribution of this legal document.



Bill of Lading

NIFEST # 40452

4-11 JOB#	97057-0472
<u></u>	/ 7 // JOB# _

LOAD		CON	APLETE DESCR	PTION OF SHIP	MENT			TRA	NSPOR	TING CO	DMPANY
NO.	POINT OF ORIG		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Eurpojech		entrepeso LAT GA	ElCAN Fill	1	12	_	Dow Fortz	335	8:34	Ron Dall
2	11	ı'	1 /	17	-	12	-	11 8	34	927	farely forest
3	17	ι'	2	11	1	12	_	1 1	835	9.47	for July
4	11	1/	ts	11	1	12	~	1.1	834	1047	Faur for
5	1/ .	ll	11) (1	12)	11	835	10:57	Ron Sill
0	N	U	ul	11	-	12		c1	834	11:55	Lawr Fores
2	4	N	u el	· W	1	12	1	. "	835	13:03	Kon Sit
6	(1	"	le 10	v '	_	12	-	10	935	12:37	Durked
9	N	pt	a	R A	-	12	_	uu	834	131/2	Lawy fort
10	ıt	K	1 1	4 1-	-	12	_	11 11	835	1326	Ron Bill
41	/ L	u	P2 9	te	_	12	_	(· · · ·	735	1347	Clarkade
12	4.	u	n "	· · ·		12	_	uu	834	14.25	Kang farm
RESUL			LANDFARM EMPLOYEE:	Gaux	Della Service	144	Blow	NOTES:			
C	PAINT FILTER TEST		Certifica	tion of above re	ceival & p	olacemen	t				

"I certify the material hauled from the above location has not l	been added to or mixed with, and is the same material re	aceived from the above mentioned Generator, and
that no additional materials have been added."		1 1 -
TRANSPORTER CO. Doug Foutz Const	NAME Ron Bright	_SIGNATURE_ Ron Ent
COMPANY CONTACT CAMP FORTZ	PHONE 325 4922	_DATE
Signatures required prior to distribution of this legal	document.	

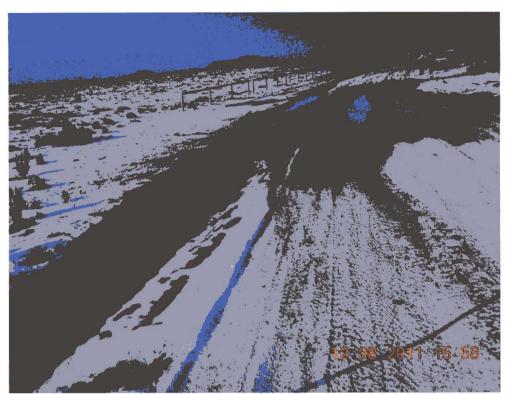


Photo 1: Release 12-08-2011 on CR 7007



Photo 2: Cutting Down Roadway



Photo 3: Excavating Impacted Soil

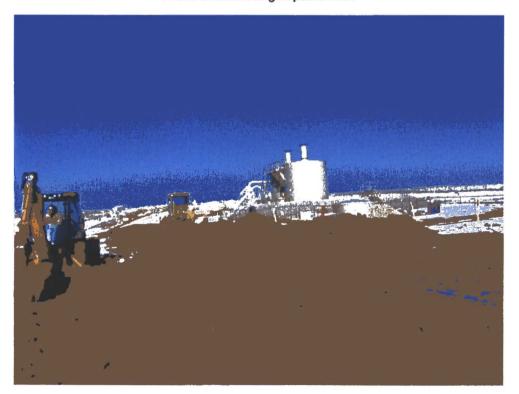


Photo 4: Impacted Soil to be hauled to Envirotech

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

			Kei	ease Nounc	auon	and Co	rrecuve A	CHOIL				
						OPERA	FOR	\triangleright	Initia	l Report	Final Re	port
Name of Co	ompany E	nterprise Pro	oducts		(Contact Aa	ron Dailey		-			
		venue, Farm		M 87401		Telephone N	No. (505)599-22	286				
Facility Nar							e Well tie line					
G C O	N1			1.00			1		ADVAL			
Surface Ow	ner Nava	jo Tribal		Mineral	wner N	avajo Triba	.1		API No			
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/We	st Line	County		
Н	29	26N	11W							San Juan		
		<u>L </u>										
			Latitude	_ N36.4597	Longitu	ıde W108	.0220 (decimal	degrees)				
				NAT	URE	OF RELI	EASE					
Type of Release Natural Gas Pipeline Release Volume of Release 100 MCF gas Volume Recovered To be determined												
and 5 barrels liquid (est.) Source of Release 4" gathering line external corrosion hole Date and Hour of Occurrence Date and Hour of Discovery												
Source of Re	lease 4" gar	thering line ex	cternal cor	rosion hole								
							—Corrosion hole	e 5	5.29.2012	@ 08:00 ho	urs	1
Was Immediate Notice Given? on pipe If YES, To Whom?												-
vi as minican	ate Hotree v		Yes [No Not R	equired		in with Navajo El	PA and Br	andon Po	well With N	M OCD Aztec	
By Whom?	Aaron Daile				-		lour 5.29.2012 @					
Was a Water							olume Impacting t					-
Trus a Truces	course real		Yes 🗵	No			ter impacts are un			time.		
If a Waterson		mental Dass	dha Dalla									
If a Watercou	urse was in	ipacted, Desci	nde runy.									ľ
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.* A th	ird party	survey crew	discovered a pipe	eline leak	in Galleg	os wash and	contacted	
				to verify, isolate								
				being replaced w								
				ken.* Excavation								
				al" c-141 report a Groundwater im				il correctiv	e action	report will b	e submitted once	*
				e is true and comp				inderstand	that nurs	mant to NM(OCD rules and	$\overline{}$
				nd/or file certain								
				ce of a C-141 rep								
				y investigate and i								h
				ptance of a C-141								1
federal, state	, or local la	ws and/or reg	ulations.									
G:	A	D					OIL CON	SERVA	TION	DIVISIO	N I	}
Signature:	(/)-	VX-							\wedge	10	011	
Printed Name	e: Aaron D	ailev								5H	fill n	
Timed Pain	c. Haron D	direy				Approved by	Environmental S	pecialist:	JON	an m	wwy	
Title: Field l	Environmen	ntal Scientist				Approval Da	10 6/15/0r	DIZ EV	piration	Date:	V	
Title. Field	CII TII OIIII CI	itai Gereniist				ipprovai Da	11/00		Pilation	Duce.		
E-mail Addre	ess: amdail	ley@eprod.co	m			Conditions o	f Approval:			Aurabad		
										Attached		
Date: 66	2012		Phone: (5	05)500-2286	1					1		1

* Attach Additional Sheets If Necessary

NJK 1216741657 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: Subject: Clelland, Sarah; 'Tami Ross' Enterprise-Line leak discovered

Attachments:

IMG_0369.jpg

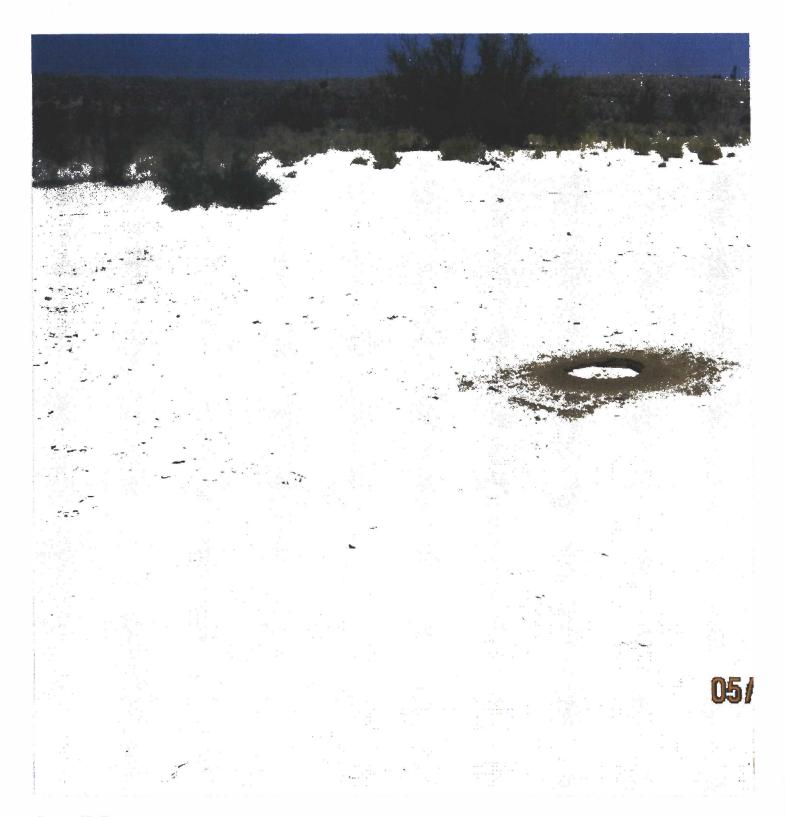
Good morning,

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

			Rele	ease Notific	cation	and Co	rrective A	ction				
						OPERAT	TOR		Initia	al Report	☐ Fi	inal Repor
		Enterprise Pr				Contact: Aa				-		
		ve, Farming		Mexico			No: (505) 599-2					
Facility Na	me: 3B-14	Pig Receive	r			Facility Typ	e: Natural Gas	Pipeline	Pigging	Receiver		
Surface Ov	vner: BLM			Mineral (Owner:	BLM			API No),		
	Latitude_N_36.7991 Longitude_W107.8775 NATURE OF RELEASE The of Release: Produced Water/Condensate Mix The of Release: Natural Gas Pipeline Release The of											
Unit Letter E	West of the second second			Feet from the	North/	South Line	Feet from the	East/W	est Line			
			L									
Type of Rela	ease: Produ	ced Water/Co	ndensate l		TURE			BI.	Volume I	Recovered: T	TRD	
Type of Rei	cuse. Trodu	ced water co	nacrisare i	****		liquid						
			line Relea	se								
Was Immed	iate Notice (Yes [No Not R	equired	100000 000 0000000 000 000						
								5:50 hours				
Was a Water	rcourse Read		Yes 🗵	olume Impacting	the Water		RCVD OCT	5'12				
If a Waterco No Waterco		pacted, Descr d.	ibe Fully.	*					*SALAR	DIL CONS DIST.		
valve vent b close the ven district who local OCD A Describe Ar	efore liquid nt valve. Af happened to Aztec districted	was released ter the received see the event office. and Cleanup	from the per was returned. Technic Action Tale	n Taken.* While ipe. The technicitined to normal opian contacted his ken.* Third party ed based on the la	an estim perating supervis	conditions, the cor who conta	els was released f ne technician was cted the company actor conducted s	from the r met by a genvirons	receiver or represent mental rep ing of the	nto the groundative from the presentative, area and lab	nd before he OCD A who conta	he could aztec acted the
				e submitted along							agency	
regulations a public health should their or the environment	all operators h or the envi operations h onment. In a	are required to ronment. The nave failed to	to report a acceptan adequately OCD acceptantal	e is true and comp nd/or file certain ce of a C-141 rep v investigate and v otance of a C-141	release n ort by the remediat	otifications a e NMOCD m e contaminati	nd perform correct tarked as "Final Ricon that pose a thi	ctive action Report" do reat to gro	ons for rel oes not rel ound wate	leases which lieve the ope er, surface wa	may enda rator of lia ater, huma	anger ability an health
Signaturę:	Haw	Day	4				OIL CON		\wedge	DIVISIO	NON MO	
Printed Nam	ne: Aaron D	ailey				Approved by	Environmental S	specialist:	phe		Kelly	
Title: Field	Environmen	ntal Scientist				Approval Da	te: 10/23/2	012 E	Expiration	Date:)
E-mail Addı	ress: amdail	ey@eprod.co	m			Conditions o	f Approval:			Attached	I 🔲	
Date: 10.4.		****		e: (505) 599-2280	6							
Attach Add	itional She	ets If Necess	sary				NJK	1229	773	6458	1	

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

1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

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

						OPERA'	ΓOR		M Initia	al Report		Fina	al Report
		nterprise Pro				Contact Aa							
		venue, Farm		M 87401			No. (505)599-22		100				
Facility Nar	ne Lateral	1 2B-24 Pipe	line			Facility Typ	e Natural gas g	gatherin	g line				
Surface Ow	ner Privat	e		Mineral C	wner P	rivate			API No				
				LOCA	TION	OF RE	LEASE						
Unit Letter G	Section 22	Township 28N	Range 10W	Feet from the		South Line	Feet from the	East/V	Vest Line	County San Juan			
			Lat	itude_N 36*38	.920'	Longitude	e_W 107*52.76°	7`)					
				NAT	URE	OF REL	EASE						
Type of Rele	ase Natural	gas				Volume of	Release: Unknow	wn	contamin	Recovered 9 ated soil and enting well.			
Source of Re	lease corros	sion leak on p	ipeline			Date and I Unknown	Hour of Occurrences	ce		Hour of Dis 1 @ 09:00 l			
Was Immedia	ate Notice C		Yes [No 🛛 Not Re	equired	If YES, To	Whom?			RCVD AF			
By Whom?						Date and H	lour			nigi		7 4	
Was a Water	course Reac	ched?	Yes 🛛	No		If YES, Vo	olume Impacting t	the Wate	ercourse.				
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*		300								
discovered th	at there was		mpact to so	oil. Pipeline was	repaired	and remedia	vered on the later tion was initiated						
removed due party environ	to terrain a	nd depth was tractor. Quart	remedied terly and fi	using a passive so nal remediation r	oil vapor eports w	of impacted soil was removed during the pipeline repairs. The soil that corrapor extraction well technique, which was installed and is being monitored orts will be submitted to the Aztec office for this project.							a third
regulations a public health should their or or the environ	Il operators or the environment. In a	are required t ronment. The nave failed to	o report and acceptance acceptanc	nd/or file certain ree of a C-141 reportance and retained from the control of the certain received and retained of a C-141	elease no ort by the emediate	otifications a NMOCD m contaminat	knowledge and u nd perform correct parked as "Final R ion that pose a thr we the operator of	ctive acti deport" d reat to gr responsi	ions for relates not related to the round water ibility for c	eases which ieve the open r, surface wa ompliance v	may er rator of iter, hu with any	ndange f liabil man h	er lity nealth
Signature:	e: Aaron D	Ja R ailey				OIL CONSERVATION DIVISION Approved by Environmental Specialist						lly	
Title: Field I						Approval Date: 4/19/2012				2 Expiration Date:			
		ey@eprod.coi	m		Conditions of Approval: Attached								
Date: 4.3.	2012		Phone: (50	5)599-2286									

nJK1211047856

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

Form C-141

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

Release Notification and Corrective Action

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

						OPERA	ΓOR		Initial	al Report		Final Rep
Name of Co	mpany: E	Enterprise Fie	eld Service	es, LLC		Contact: Aa	ron Dailey					
		ve, Farming	ton, New	Mexico			No: (505) 599-2					
Facility Nat	ne: 6B-8 I	Pipeline				Facility Typ	e: Natural gas g	gatherin	g pipeline)		
Surface Ow	ner: Nava	jo Tribal		Mineral O	wner:	Navajo Trib	oal		API No	· .		
Unit Letter	Section	Township	Danca	Feet from the		N OF REI	Feet from the	Foot/V	Vest Line	Country		
A	14	27N	Range 13W	rect from the	North	/South Line	reet from the	East/ V	vest Line	County San Juan		
		La	titude N	N 36.3489 L	ongitı	ıde W -108	.1114 (decimal	degree	es)			
			_			OF RELI						
Type of Rele	ase: Natura	l Gas		IVAI	UIL		Release: Unkno	own-	Volume F	Recovered: TE	RD	
Type of Reie	ase. I tatara	1 045				estimated 2	barrels of liquid		v ordine r	tecovered. 12	,,,	
Carrage of Da	Inner Mad	1 C D'1	: D-1		-	released over time Date and Hour of Occurrence: Date and Hour of Disco						
Source of Re	lease: Nati	ural Gas Pipel	ine Keleas	se		Unknown	iour of Occurrenc	Hour of Disco				
Was Immedi	ate Notice (_	_		If YES, To						
			Yes _	No Not Re	quired		in, NNEPA (requ				subn	nitted)
By Whom? A						Date and Hour: 12/3/2012 @ approximately 09:00 hours If YES, Volume Impacting the Watercourse. RCVD DEC 13 1						
Was a Water	course Read		Yes 🗵	No		II YES, VO	nume Impacting t	ine wate	ercourse.	CVD DEC 1	3	12
If a Watercon	rce was Im	pacted, Descr								DIL CONS.		
ii a watercot	iise was iiii	pacieu, Desci	ibe Fully.							DIST. 3		
Describe Co.	CD 1-1	1 D	J:-1 A -4!-	T-1 + A - D		4 1 1 1	1' 1' 1	(D, 0, C) D (11		
				n Taken.* An Ente 1 12/3 and 12/4/20							and	discovered a
Describe Are	a Affected	and Cleanup A	Action Tak	en.* Third party	enviro	nmental contra	ctor assessed the	location	ocation and soil analytic results are pending, ched in a very significantly confining layer of			
				ucted based on the e submitted along								
been met.	.10113. 71 0-	i ti illiai i c	port will b	e submitted along	with a	tima party cir	vironinental corre	ctive ac	non report	once site clos	uic s	iailuaius ilav
I hereby certi	fy that the i	information gi	ven above	is true and compl	ete to t	the best of my	knowledge and u	ınderstar	d that purs	suant to NMO	CD r	ules and
regulations a	l operators	are required to	o report ar	nd/or file certain re	elease r	notifications ar	nd perform correc	ctive acti	ons for rele	eases which m	nay e	ndanger
should their	or the envir	ronment. The	acceptant	e of a C-141 report investigate and re	rt by tr	te contaminati	arked as "Final K on that pose a thr	eport a	oes not reli	eve the operate	tor o	man health
				tance of a C-141 r								
		ws and/or regu					-	_				
		1					OIL CON	<u>SERV</u>	<u>ATION</u>	DIVISION	1	,
Signature:	/	12							\wedge	1/	1	/ 1//
Printed Name	: Matthe	w E. Marra			Approved by Environmental Specialist:					elles		
Title: Sr. D						Approval Date: 3/07/2013 Expira			Expiration	iration Date:		
E-mail Addre	mail Address: memarra@eprod.com						Conditions of Approval:			Attached		
Date:	11/7/2012	Phone	: 713-381	-6684							_	
Attach Addi							. –	2 1	7-1	1-1-	7/	
							nJ,	KI	506	6515	OC	

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

			Rele	ease Notific	catio	n and Co	orrective A	ction	l			
					OP	ERATOR			Initial Rep	ort		Final Repor
		Enterprise Fi				Contact Jin						
		4 / Houston,					No. 505-599-2			8776		
Facility N	ame: Arch	Rock Compi	ressor Sta	ition		Facility Typ	e: compressor	station	1			
Surface O	wner:Enterp	orise Field Se	ervices L	LC Mineral (Owner				Lease N	No.		
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter SW4	Section 14	T 31N	R 10W	Feet from the	North	h/South Line	Feet from the	East/V	West Line	County San Juan		
			Latitu	de N 36° 53'41		Longitud	le -107° 51'33	3.327" V	V			
Type of Re	lease: Natur	al Gas	/	IIA	OKI		Release: 5 mm	cf	Volume F	Recovered ()	
Source of Release: Piping and blow down vents Date and Hour of Occurrence 12/10/12 5:00 PM Date and Hour of D 12/11/12 - 5:00 PM											covery	
	diate Notice (Given? Ye	es 🗌 X 1	No Not Req	uired	If YES, To	Whom?		55 Tab	CVD DEC		
By Whom?						Date and H				ul cun	i. DIV	ř.
	ercourse Read		Yes 🛚			If YES, Vo	olume Impacting	the Wate	ercourse.	Day Comm	. 3	
		pacted, Descr										
Describe Ca	ause of Probl	em and Reme	dial Action	n Taken: Freezi	ng wea	ther caused los	ss of instrument a	ir; this c	aused the e	ntire station	to ESI).
L bereby car	rea Affected	and Cleanup A	Action Tak	ten: The event re	sulted i	n only a releas	e of natural gas;	no liquio	ds were rele	eased.	OCD -	11
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.											ndanger Tliability man health	
Signature:	OIL CONSERVATION DIVISION											
Printed Nar	ne: Matthe	w M. Marra				Approved by	District Supervis	sor:	snatt	D.Ku	lly	
Title:	Sr. Environ	mental Direct	or			Approval Dat	e: 2/11/20	013/1	Expiration l	Date:	<u> </u>	
E-mail Add	ress: mema	rra@eprod.co	om			Conditions of	Approval:			Attached		

* Attach Additional Sheets If Necessary

Phone: 713-381-6684 cell: 281-605-9289

12-13-12

Date:

n5K1304238584

Date: 9.17.2012

* Attach Additional Sheets If Necessary

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.

nJK 12297 39562

				30	inta re	, INIVI 0/3	03					
			Rele	ease Notific	ation	and Co	rrective A	ction	l			
						OPERAT	FOR		M Initia	al Report	Final	Repor
Name of Co	mpany: E	nterprise P	roducts	Operating	(Contact: Aa	ron Dailey					
		ve, Farmin					No: (505) 599-2	124				
Facility Nar							e: Natural Gas		ne			
Surface Ow				Mineral C					API No			
Surface Ow	net, BEN								ATTIO	*		
I lait I atten	Cartion	Tonnahin	Danas			South Line		E.ot/	Vact Lina	Country		
Unit Letter	Section	Township 27N	Range 08W	Feet from the		South Line North	Feet from the 80		West Line	County		
Н	26	2/18	UOW	2620	1	North	00	1	East	San Juan		
			I	atitude36.54	1468	Longitude	-107.64407					
Type of Rele	ase. Conde	nsate/Produ	ced Wate		UKE	OF RELI	Release: 30-40	RRI	Volume k	Pecovered: N	IA	
		ural Gas Pip					lour of Occurrence					
Source of Ice	icasc. 14at	urar Gas Fip	cine icie	asc			2 @ 9:15 (GMT)			2 @ 9:15 (0	*	
Was Immedia	ate Notice (Given?				If YES, To			03/12/201	200110	,,,,,	
			Yes [No Not R	eauired		lon Powell (NMC	OCD). N	Ms. Sherrie	Landon (B	LM), Mr.	
		_			- 1		NRC): NRC Cas					
By Whom? A	aron Daile	ev					lour: 9/12/2012 @					
Was a Water							olume Impacting t					
			Yes 🗵] No					R(CVD SEP 19'12		
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	4				OIL CONS. DIV.				
No Waterco	urse Reach	ed.								DIST.	3	
close proxim	ity of the p	oipeline to La	rgo Cany	n Taken.* Cond on Wash (appro	ximately	(160 feet), th	ne NRC and NM	OCD c	ontacted, e	nvironment	al emergency	y
				nitiated, the area n/is being excava								
holes due to		y, the pipelin	e nas bee	illis being excava	ited for i	remediai rep	ans. The pipen	me was	uiscovered	to contain	murupie sina	и
		and Cleanup	Action Tal	ken.* Enterprise	and thir	d party envi	ronmental emer	gency r	personnel a	rrived on-si	te to assess a	nd
				soil within the ri								
				eline to approxi								
				has been excava								being
transported	to Envirote	ech's Soil Re	mediation	Facility, Landfa	arm #2.	The BLM w	as on-site to insp	pect con	itaminated	soil located	outside of th	ie
pipeline righ	it-of-way.	Alternative s	oil remed	iation techniques	s are cui	rrently being	discussed with	the BLI	M. Enterp	rise is curre	ntly continui	ng
excavation a	ctivities of	hydrocarbor	i contami	nated soil and wi	ill subm	it a final ren	ediation report	upon co	ompletion of	of this proje	et.	
I bosoby south	further the i	aformetion o		is tous and some		ha haat a Carre	1		. 1 .1	NINA	OCD lo	1
				e is true and comp nd/or file certain r								
				ce of a C-141 repo								
				investigate and i								
				otance of a C-141								aith
		ws and/or regi		rance of a C-141	report a	oes not renev	e the operator of	respons	ionity for c	omphanee w	itin any other	
Toderar, State	A	, s and or reg.	indire/lin.				OIL CON	CEDI	ATION	DIVISIO	NI	
	/		0				OIL CON	SERV	ATION	DIVISIC	. 1	
Signature:	Hano	_ /)	X						1	110	1	
						A managed by	Environmental C	iolie	.()	- 11	VIIV	
Printed Name	e: Aaron D	ailey				Approved by	Environmental S	pecians	"You	21/11	feller	
Title: Field I					Approval Da	10/03/	3/2012 Expiration Date:					
									Expiration	Date.		
E-mail Addre	ess: amdail	ley@eprod.co	om			Conditions of	f Approval:			Attached		

Phone: (505) 599-2286

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 Contact Aaron Dailey Name of Company Enterprise Products Address 614 Reilly Avenue, Farmington NM 87401 Telephone No. (505)599-2286 Facility Name Chaco Gas Plant Facility Type Gas Processing Plant API No. Mineral Owner Private Surface Owner Private LOCATION OF RELEASE Township Range Feet from the North/South Line Feet from the East/West Line County Unit Letter Section 1 16 26N 12W San Juan 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 Date and Hour of Discovery 8.28.2012 @ 12:30 hours 8.28.2012 @ 12:30 hours Was Immediate Notice Given? If YES, To Whom? Brandon Powell-Left phone message and e-mail Date and Hour 8.29.2012 @ 07:45 hours By Whom? Jim Lieb If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? RCVD SEP 7'12 ☐ Yes ☒ No OTI CONS DIU If a Watercourse was Impacted, Describe Fully.* DIST. 3 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. OIL CONSERVATION DIVISION Signature:

* Attach Additional Sheets If Necessary

Phone: (505)599-2286

E-mail Address: amdailey@eprod.com

Title: Field Environmental Scientist

Printed Name: Aaron Dailey

9.7.2012

MR 1226450903

Expiration Date:

Attached

Approved by Environmental Specialist;

Approval Date:

Conditions of Approval:

2

Demethanizer														
108	ft	HYSYS		Component	Methane	Ethane	Propane	-Butane	n-Butane i	-Pentane	n-Pentane	n-Hexane (202	Nitrogen
		molar												
		desity												
		(lbmole/ft												
5.5	ft	^3)	Ibmol	Mole fractions	0.9886	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0046
				Ibmoles										
Gas Volume	2565.8958 ft^3	0.1501	385.14096	component	380.7465	0.8069	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	1.8301	1.7569
				MW component	16.0400	30.0700	44.0900	58.1200	58.1200	72.1500	72.1500	86.1700	44.0100	108.0200
				lbs component	6,107.17	24.26	0.03	0.00	0.00	0.00	0.00	0.00	80.54	189.78
Liquid Volume														
Eliquia Folialis														
8% of gas volu	me based on liquid ho	old up, tray levels and pa	acking factors											
D/O O/ gas void	205.271664 ft^3	0.7737	158.818686	Component	Methane	Ethane	Propane	i-Butane	n-Butane i	-Pentane	n-Pentane	n-Hexane (002	Nitrogen
	203.271004 11 3	0.7737	150.010000	Mole fractions	0.0015	0.5179	0.2274	0.0408	0.0619	0.0218	0.0165	0.0316	0.0806	0.0000
				Ibmoles	0.0013	0.51/3	0.22/4	0.0408	0.0015	0.0216	0.0103	0.0010	0.0000	0.0000
				component	0.242671075	92 2470446	36.11105047	6 497206019	0.02702210	3.468474315	2 61/022677	5.015801182	12.794483	0
					16.0400	30.0700	44.0900	58.1200	58.1200	72.1500	72.1500	86.1700	44.0100	108.0200
				MW component	3.89	2,473.17	1,592.14	377.04	571.73	250.25	188.67	432.21	563.09	0.00
				ins component	3,03	2,473.17	1,352.14	377.04	3/1./3	230.23	100.07	432.21	363.09	0.00
							_							
	Cold Separator									B		a Managara at a	202	Management
30	ft	HYSYS		Component	Methane	Ethane	Propane	i-Butane	n-Butane i	-Pentane	n-Pentane	n-Hexane (202	Nitrogen
		molar												
		desity												
		(lbmole/ft												
6	ft	^3)	Ibmol	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
				Ibmoles										
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				1										
Assume 35% li				1										
	iquid level													
Assume 5570 II	iquid level 296.880506 ft^3	0.9607	285.213102	Component	Methane	Ethane	Propane	i-Butane	n-Butane i	-Pentane	n-Pentane	n-Hexane (002	Nitrogen
Assume 5570 II		0.9607	285.213102	Component Mole fractions	Methane 0.552634398		Propane 0.128123652	1-Butane 0.0275	0.0435	-Pentane 0.0163	0.0125	0.0245	0.0213	0.0009
Assume 5570 II		0.9607	285.213102	Section 1997 Control of the Control										
A3411E 3370 II		0.9607	285.213102	Mole fractions Ibmoles	0.552634398	0.17269955	0.128123652	0.0275	0.0435	0.0163	0.0125	0.0245	0.0213	0.0009
ASSUME 3370 II		0.9607	285.213102	Mole fractions Ibmoles component	0.552634398 157.6185709	0.17269955 49.2561756	0.128123652 36.54254427	0.0275 7.835959102	0.0435 12.4123689	0.0163 4.650364601	0.0125 3.553847275	0.0245 6.989361303	0.0213 6.08473174	0.0009
Assume 33%		0.9607	285.213102	Mole fractions Ibmoles component MW component	0.552634398 157.6185709 16.0400	0.17269955 49.2561756 30.0700	0.128123652 36.54254427 44.0900	0.0275 7.835959102 58.1200	0.0435 12.4123689 58.1200	0.0163 4.650364601 72.1500	0.0125 3.553847275 72.1500	0.0245 6.989361303 86.1700	0.0213 6.08473174 44.0100	0.0009 0.26917816 108.0200
A33411E 3376 II		0.9607	285.213102	Mole fractions Ibmoles component	0.552634398 157.6185709	0.17269955 49.2561756	0.128123652 36.54254427	0.0275 7.835959102	0.0435 12.4123689	0.0163 4.650364601	0.0125 3.553847275	0.0245 6.989361303	0.0213 6.08473174	0.0009
	296.880506 ft^3	0.9607	285.213102	Mole fractions Ibmoles component MW component Ibs component	0.552634398 157.6185709 16.0400 2,528.20	0.17269955 49.2561756 30.0700 1,481.13	0.128123652 36.54254427 44.0900 1,611.16	0.0275 7.835959102 58.1200 455.43	0.0435 12.4123689 58.1200 721.41	0.0163 4.650364601 72.1500 335.52	0.0125 3.553847275 72.1500 256.41	0.0245 6.989361303 86.1700 602.27	0.0213 6.08473174 44.0100 267.79	0.0009 0.26917816 108.0200 29.08
Refrigeration S	296.880506 ft^3		285.213102	Mole fractions Ibmoles component MW component	0.552634398 157.6185709 16.0400 2,528.20	0.17269955 49.2561756 30.0700 1,481.13	0.128123652 36.54254427 44.0900	0.0275 7.835959102 58.1200 455.43	0.0435 12.4123689 58.1200 721.41	0.0163 4.650364601 72.1500 335.52	0.0125 3.553847275 72.1500 256.41	0.0245 6.989361303 86.1700 602.27	0.0213 6.08473174 44.0100 267.79	0.0009 0.26917816 108.0200
Refrigeration S	296.880506 ft^3 System of propane =	668.4045 ft^3		Mole fractions Ibmoles component MW component Ibs component	0.552634398 157.6185709 16.0400 2,528.20	0.17269955 49.2561756 30.0700 1,481.13	0.128123652 36.54254427 44.0900 1,611.16	0.0275 7.835959102 58.1200 455.43	0.0435 12.4123689 58.1200 721.41	0.0163 4.650364601 72.1500 335.52	0.0125 3.553847275 72.1500 256.41	0.0245 6.989361303 86.1700 602.27	0.0213 6.08473174 44.0100 267.79	0.0009 0.26917816 108.0200 29.08
Refrigeration S	296.880506 ft^3 System of propane = d on how much was pi			Mole fractions Ibmoles component MW component Ibs component	0.552634398 157.6185709 16.0400 2,528.20	0.17269955 49.2561756 30.0700 1,481.13	0.128123652 36.54254427 44.0900 1,611.16	0.0275 7.835959102 58.1200 455.43	0.0435 12.4123689 58.1200 721.41	0.0163 4.650364601 72.1500 335.52	0.0125 3.553847275 72.1500 256.41	0.0245 6.989361303 86.1700 602.27	0.0213 6.08473174 44.0100 267.79	0.0009 0.26917816 108.0200 29.08
Refrigeration S	296.880506 ft^3 System of propane =	668.4045 ft^3		Mole fractions Ibmoles component MW component Ibs component	0.552634398 157.6185709 16.0400 2,528.20	0.17269955 49.2561756 30.0700 1,481.13	0.128123652 36.54254427 44.0900 1,611.16	0.0275 7.835959102 58.1200 455.43	0.0435 12.4123689 58.1200 721.41	0.0163 4.650364601 72.1500 335.52	0.0125 3.553847275 72.1500 256.41	0.0245 6.989361303 86.1700 602.27	0.0213 6.08473174 44.0100 267.79	0.0009 0.26917816 108.0200 29.08

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

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.

				54	iiia i	c, INIVI 675	05					
			Rel	ease Notific	atio	n and Co	orrective A	ction				
						OPERA'	ГOR		☐ Initia	al Report	\boxtimes	Final Report
Name of Co	ompany E	nterprise Pro	ducts			Contact Aa	ron Dailey					
		venue, Farm		M 87401			No. (505)599-22	86				
		13C-3 Pipeli					e 2 inch Pipelir		r			
Surface Ow	mer BLM			Mineral O	wner	BLM			API No).		
							EACE		1			
** * *	T 6	T 1:				N OF RE		- /II				
Unit Letter	Section 28	Township 29N	Range 13W	Feet from the	North	/South Line	Feet from the	East/W	Vest Line	County San Juan		
		La	titude_N	36.692938_ Lo	-	_		Degree	s)			
				NAT	URE	OF REL						
Type of Rele	ase Natura	l Gas				Volume of	Release 210.5MC	atmosphere				-gas loss to
Source of Re	elease 2 inc	h riser					lour of Occurrenc @ 00:40 hours					
Was Immedia	ate Notice (Yes [] No ⊠ Not Re	auired	If YES, To		RCVD JAN 19'12				
By Whom?				,	1	Date and I	. DIL).				
Was a Water	course Read	ched?						he Wate	rcourse	DIST	2	
Was a Water	course recu		Yes 🗵	No		If YES, Volume Impacting the Watercourse. DIST. 3						
If a Watercou	urse was Im	pacted, Descr	ibe Fully.	*								
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.* Emerge	ency cre	ews respondin	El Paso Ga	s advising th	em tha	at a car had		
hit a pipeline	and there v	was an odor of	gas. El P	aso Gas control co	ontacte	d Enterprise V	Vestern Operation	s gas de	sk at 0040	hrs 1/16/12.	Local	Field
				te. Pipeline contro re were no injuries			ells supplyir	ig the l	ateral were			
											1.	1
				cen.* Upon inspects riser was perman								
				e is true and comp								
				nd/or file certain re								
				ce of a C-141 repo								
				investigate and re								
				otance of a C-141	report o	loes not reliev	e the operator of r	responsi	bility for c	ompliance w	ith any	other
federal, state, or local laws and/or regulations. OIL CONSERVATION DIVI										DHUGIO) I	
	٨		10				OIL CONS	SERV	AHON	DIVISIC	IN	1
	Harry	2)2-	Hos						\wedge	$II \cap$	1	
Signature:	1 1 000		14/			Approved by	Environmental St	pecialist	(6	11/	Kel	les
Printed Name	e: Aaron D	ailev			Approved by Environmental Specialist: Approved by Environmental Specialist:						7	
- I IIII							1101		V		200	
Title: Field I	Environmen	ital Scientist			Approval Date: 19/2012 Expiration Date:							
E-mail Addre	ess: amdail	ey@eprod.com	n			Conditions of	Approval:			Attached		

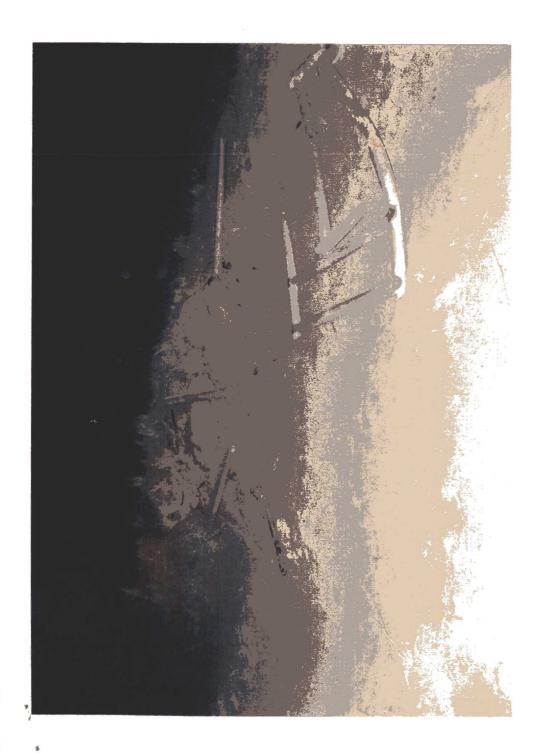
* Attach Additional Sheets If Necessary

Phone: (505)599-2286

1.16.2012

nJK1201955466





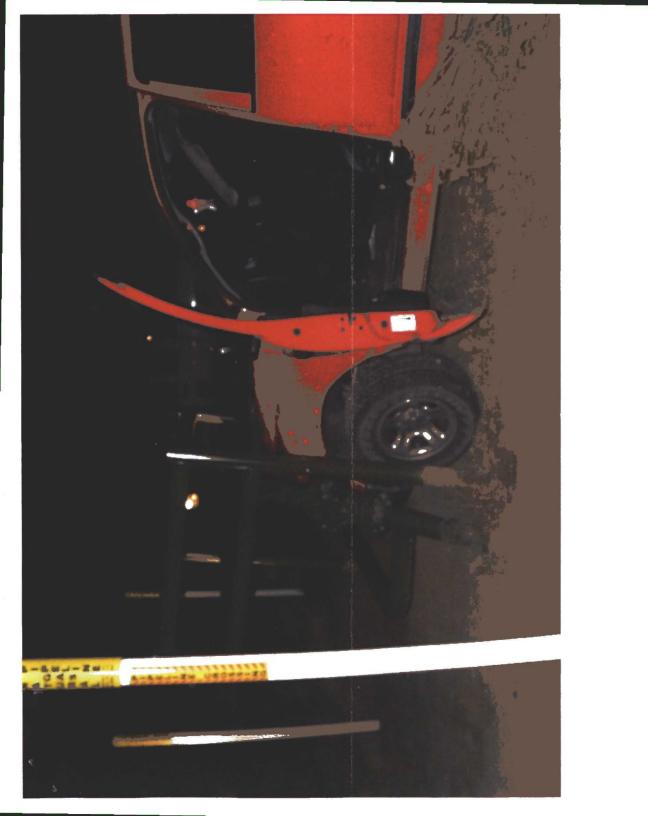
State of New Mexico Energy Minerals and Natural Resources

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.

			Kele	ease Nounc	ation	and Co	rrective A	ction			
						OPERA	OR	☐ Initi	al Report	⊠ I	Final Report
Name of Co	ompany E	nterprise Pro	ducts		(Contact Aar	on Dailey				
		venue, Farm					lo. (505)599-22				
Facility Nar	ne Lat 3B	1-13 and H-4	6 cross o	ver	I	Facility Typ	e Pipeline tie in	n point			
Surface Ow	ner: Priva	ite		Mineral O	wner:	Private		API No),		
				LOCA	TION	OF REI	LEASE				
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		
		I	atitude	36.79690N Lon		_107.97722 OF RELI			CVD NOV 1 OIL CONS. DIST.		
Type of Rele	ase Natura	l Gas Vapor					Release 102.5 M		Recovered Nor		
		osion coupon	holder			11.9.2012 (approxin			Hour of Disco 2 @ 23:47 hou		
Was Immedia	ate Notice (COLUMN TO SERVICE AND ADDRESS OF THE PARTY O	Yes [No Not Re	equired	If YES, To Brandon Po		ger, NM OCD Az	tec District Of	fice	
By Whom?							our 11.10.2012 (
Was a Water	course Read		Yes 🗵	No		If YES, Vo	lume Impacting t	he Watercourse.			
If a Watercou	urse was Im	pacted, Descr	ibe Fully.	*							
had hit an un was identified knocking off removed the	identified p d as Lateral the corrosione inch va	ipeline in Azt 3B-13 and La on coupon hol	ec NM on ateral H-4d lder. Enter ced. The p	CR 2595. Upon a cross over. The prise technicians is	rrival, E vehicle r solated (nterprise Sup an off of the the pipeline a	ervisors met with road struck the gu nd allowed it to c	om Enterprise gas the San Juan Co. pard rail and wedg continue to blow do posed and determine	Sheriffs and F ed the hood un own. After the	ire. The ider the vehicle	e pipeline e riser e was
Describe Are	ea Affected	and Cleanup	Action Tal	cen.* Gas loss w							
regulations a public health should their of or the environment	Il operators or the envi operations h nment. In a	are required tronment. The nave failed to	o report and acceptant adequately OCD accep	nd/or file certain rece of a C-141 report investigate and re	elease no rt by the emediate	otifications are NMOCD made contaminati	nd perform correct arked as "Final R on that pose a thre	nderstand that pur- tive actions for re- eport" does not re- eat to ground water responsibility for o	leases which m lieve the operator, surface wate	nay end tor of li er, hum	langer iability an health
Signature:	Aaron D		AR			Approved by	OIL CONS	SERVATION pecialist:	DIVISION	<u>v</u> Kell	T
Printed Name Title: Field I			-			Approval Dat	e 11/27/2	02 Expiration	Date:		
		ey@eprod.coi	m			Conditions of		Expiration			
	3/2012	e, weprou.com		505)599-2286	1	onditions of			Attached		
Attach Addi		ets If Necess					nJK	1233252	414		



State of New Mexico **Energy Minerals and Natural Resources**

Revised August 8, 2011

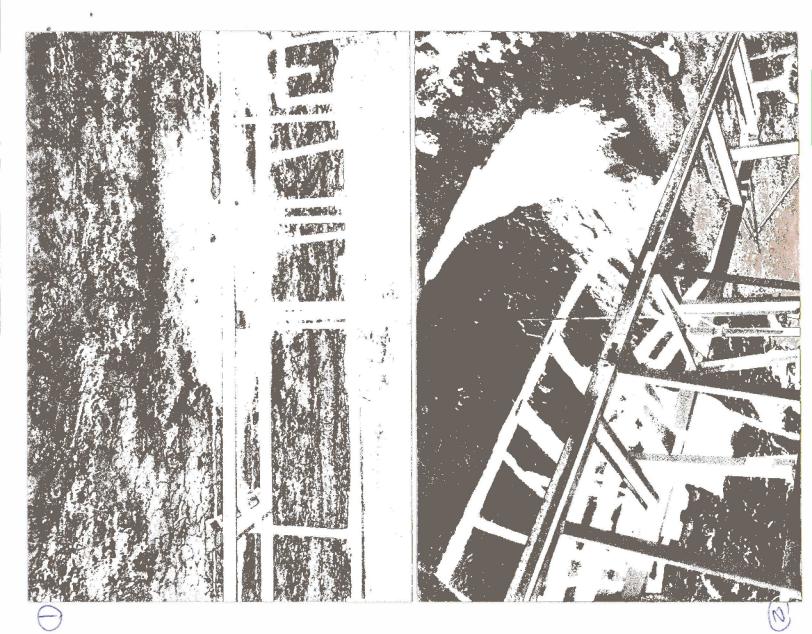
Form C-141

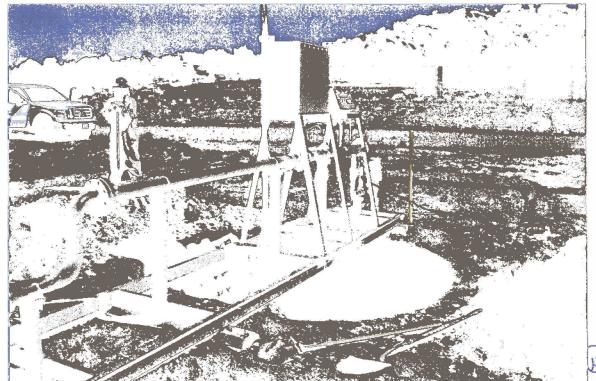
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

			Kele	ease Notific	catio	n and Co	orrective A	ction					
						OPERA	TOR		☐ Initi	al Report		Final Re	eport
Name of Co	ompany Er	nterprise Pro	ducts			Contact Aa	ron Dailey						
		venue, Farmi				Telephone	No. (505)599-22	286					
Facility Nat	me Atlanti	c Fruitland 2	24 Com #	‡2		Facility Ty	be Well location	n meter i	run				
Surface Ow	ner BLM			Mineral ()wner	BLM			API No).			
						N OF RE	LEASE						
Unit Letter	Section 24	Township 31N	Range 10W	Feet from the		/South Line	Feet from the	East/W	est Line	County San Juan			
L	24	3110	10 W							San Juan			
		I	_atitude_	N36.52'906" see attache NAT	Long	itude_ W10	7.50'906'' (DDN EASE	MSS)_					
Type of Rele	ease Natural	gas condensa	ite				Release Unknow	vn	Volume I	Recovered 6	yards o	of condens	sate
						(estimated time)	@ 3-4 barrels at			soil removed			
Source of Re	elease Catal	ytic heater pip	oing on me	eter tube		Date and I Unknow	Hour of Occurrence n			Hour of Disc 2 @ 16:00 ho			
Was Immedi	ate Notice C	Given?				If YES, To	Whom?			RCVD JUL			
rrus mineur	are more c		Yes [No Not R	equired		, thin			OIL CONS		1.	
By Whom?							Hour 7.15.2012 @			DIST.	. 0		
Was a Water	course Reac		Yes 🗵] No		If YES, V	olume Impacting	the Water	rcourse.				
If a Watercon	urse was Im	pacted, Descr	ibe Fully.	*		1							
Enterprise m supply valve technician sh	easurement to the cataly nut in this su	ytic heater, wl pply valve an	and staine nich was a d contacte	d soil beneath the result of the met d his supervisor a	er tube	filling with co	nnician discovered ondensate and ove vironmental depar	rflowing					
Initial cleanu hand excavat below the im	ip actions we tion. A third ipacted area	l party enviro has shown co	nning 7/1 nmental condensate	7/2012. Currently ontractor is working the impacts above the	ng to as	ssist with the standard. Sin	impact is believed cleanup of this loc ce this release is d nup is being devel	cation. A lirectly be	ugering deneath a m	own to a dept	th of 9	' directly	
regulations a public health should their or the enviro	all operators or the environment operations honment. In a	are required to conment. The ave failed to a	o report an acceptant adequately OCD accep	nd/or file certain to ce of a C-141 report investigate and r	release i ort by th remedia	notifications a ne NMOCD n te contaminat	knowledge and und perform correct narked as "Final Rition that pose a three the operator of	ctive action Report" do reat to gro	ons for rel oes not rel ound wate	eases which ieve the oper r, surface wa	may er rator of iter, hu	ndanger f liability man healt	th
		1					OIL CON	SERV	ATION	DIVISIO	N	1	
Signature:	a	te	18			Approved by	Environmental S	specialist:	Quia	As	KIL		
Printed Name	e: Aaron Da	ailey					-1		1010	VV J	July	W)	
Title: Field l	Environmen	tal Scientist				Approval Da	te: 1/31/20	017 E	Expiration	Date:		V	
		ey@eprod.cor		5)500 2284		Conditions of	f Approval:			Attached			
Date: 7.30 Attach Addi	02012			5)599-2286			02100	11-	71.	77			
Auden Audi	donai shec	oto 11 INCCESS	ai y			n	1/122	152	566	15			







State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

ubmit 1 Copy to appropriate District Office in

Form C-141

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.

			Rele	ease Notific	atio	n and Co	rrective A	ction			
						OPERA	ΓOR		Initia	al Report	Final Report
		nterprise Pro				Contact Aa					
		venue, Farmi					No. (505)599-22				
Facility Nar	ne Jicarill	a Apache Da	#4 Well T	Tie Line		Facility Typ	e Natural Gas	Gatherii	ng line	*****	
Surface Ow	ner Jicari	lla Apache		Mineral O	wner.	Jicarilla Apa	che		API No		
				LOCA	TIO	N OF REI	EASE				
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/W	est Line	County	
L	36	24N	5W							San Juan	
						Longitud					
T	NI-	1			UKE	OF REL			Values F)	
		tube vent val		duced water mist		Volume of Date and H	lour of Occurrence	P	Volume F	Hour of Discove	rrv
Source of Re	icuse Meter	tuce vent var	••				2 @ 11:30 hours			2 @ 11:30 hours	
Was Immedia	ate Notice (If YES, To					
			Yes _	No Not Re	quired		mond, BLM insp			rilla Tribe	
By Whom?							lour 5/18/2012 @				
Was a Water	course Read		Yes 🗵	No		II YES, VO	lume Impacting t	ine wate		CVD MAY 31 DIL CONS. D	
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*							DIST. 3	
when a mist of	of water/con	ndensate blew	out the ve	n Taken.* Employ ont valve. The emp the meter run ven	loyee	closed the ven					
out. Soils sar results. A co	mpled by a ontractor is and third p	third party en- applying wate	vironments r and "Sin	ten.* The affected al contractor were apple Green" dilute port will be subm	found d mixt	to be relativel ture to the veg	y low on a photo etation in order to	ionizatio remove	on detector and break	and labs are per down residual h	ding laboratory ydrocarbons.
regulations at public health should their of or the environ	I operators or the envi- operations hament. In a	are required to ronment. The nave failed to a	o report ar acceptance adequately OCD accep	is true and completed is true and completed in the certain rece of a C-141 repoint investigate and retained of a C-141 repoint in the certain	elease in the the control of the con	notifications as ne NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a thre	ctive acti eport" de eat to gre	ons for rele oes not reli ound water	eases which may eve the operator , surface water,	endanger of liability human health
Signature:	aron D	Aa ailey	R			Approved by	OIL CONS		0 0	DIVISION	Ng-
Title: Field I		•		W. W.		Approval Dat	e: 604/201	12 E	Expiration	Date:	U
E-mail Addre	ess: amdail	ey@eprod.cor	n			Conditions of	Approval:			Attached	

Date: 5.29.2012 Phone: (505)599-2286
* Attach Additional Sheets If Necessary

nJK1215637839



Date: 7.19.2012

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.

			Rele	ease Notific	cation	and Co	orrective A	ction				
						OPERA	ГOR		Initia	al Report	⊠ Fir	nal Report
		nterprise Pro				Contact Aa						
		venue, Farm					No. (505)599-22					
Facility Na	me Blanco	Condensate	Storage	Facility		Facility Typ	e Condensate S	Storage F	acility			
Surface Ow	ner Privat	te		Mineral ()wner P	rivate			API No),		
				LOCA	ATIO	OF RE	LEASE					
Unit Letter C	Section 14	Township 29N	Range 11W	Feet from the	North/	South Line	Feet from the	East/We	est Line	County San Juan		
			Latitude				7.57'54" (DDM)	MSS)				
Type of Rele	ace Natura	1 Gas Vanor		NAI	UKE	OF REL	Release 13.8 mm	ocf 1	Volume F	Recovered None	9	
Source of Re	elease Vent	nine nlumbed	to the 10	00 barrel condens	ate		Hour of Occurrence			Hour of Discov		
storage tank		1-1-1					2 @ 07:00 hours			2 @ 09:00 hour		
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To Brandon P	Whom? owell, NM OCD	Aztec	R	CVD JUL 23	1'12	
By Whom?	Aaron Daile	ey				Date and I	Hour 7.15.2012 (a	0 15:57 ho	ours	OIL CONS. [IV.	
Was a Water		ched?	Yes 🗵] No		If YES, Vo	olume Impacting t	the Watero	course.	DIST. 3		
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*								
		em and Reme						1000 1-1-1		- C 1		
							e to open into the his valve was retur				to atmo	spnere;
							left open, he answ				as distra	acted by
							fter adjusting for					
							lease see attached					. 1
							knowledge and u					
							arked as "Final R					
should their	operations h	nave failed to a	adequately	investigate and i	remediate	e contaminati	on that pose a thr	eat to grou	und water	r, surface water	, human	health
		iddition, NMC ws and/or regi		otance of a C-141	report d	oes not reliev	e the operator of	responsib	ility for c	ompliance with	any oth	ier
rederal, state	, or local la	ws and/or regu	nations.				OH CON	SERVA	TION	DIVISION		
1		1)	_			OIL CON	SLKVF	TION	DIVISION	C.	
Signature:		1)-	X							1/ ~ .	1 1	
Printed Nam	e: Aaron D	ailey				Approved by	Environmental S	pecialist:	ona	HD. K	elly	
Title: Field	Environmen	ntal Scientist				Approval Da	te: 7/25/2	DJ) E,	epiration	Date:		
E-mail Addr	ess: amdail	ey@eprod.coi	n			Conditions o	f Approval:			Attached [

* Attach Additional Sheets If Necessary

NJR 1226730617

Phone: (505)599-2286

FROM ENERPRISE MEASUREMENT GROUP:

	Reading Time	rattlesnake discharge	A plant		14387 to chaco		88452 to 2A	Balance ((MCF)
	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	
	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	
1	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	
1	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	
EVENT	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	
ш	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		601.61	7/15/2012 8:00	76.17	430.12	
	7/15/2012 9:00	1031.02	0.00		593.48	7/15/2012 9:00	75.59	437.54	
	7/15/2012 10:00	1028.93	0.00		872.32	7/15/2012 10:00	38.3		13816.26 total
	7/15/2012 11:00	1035.89	0.00		1,054.02	7/15/2012 11:00	7.87	-18.13	13.8 MMCF
	7/15/2012 12:00	1034.54	458.33	7/15/2012 12:00	0	7/15/2012 12:00	0	576.21	12.8 MAICH
	7/15/2012 13:00	1030.47		7/15/2012 13:00	0	7/15/2012 13:00	7.97	-52.86	
	7/15/2012 14:00	1027.13	1020.83		0	7/15/2012 14:00	7.93	6.30	
	7/15/2012 15:00	1039.29		7/15/2012 15:00	0		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	

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; CO2 = 0.1328; C1 = 99.3749; C2 = 0.4044; C3 = 0.0322; iC4 = 0.005; nC4 = 0.0047; C5 = 0.0014; C6+ = 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.

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised August 8, 2011
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Release Notification and Corrective Action

			Keit	ast Mullica		OPERA?		CHOII		al Report		Final Danort	
Name of Co	mnany: Fi	nterprise Pro	ducts On	erating IP		Contact: Aa		***************************************		ar Keport		Final Report	
		venue, Farm				Name and Address of the Owner, where the Party of the Owner, where the Owner, which is the Owner, whic	No.: (505) 599-2	286				-	
		os Well Tie					e: Well Tie Pip						
Surface Own	ner: Navaj	o Nation Tri	bal Land	Mineral Ov	vner: T	Tribal			API No).			
				LOCA'	TION	OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/V	Vest Line	County			
Н	29	26N	HW							San Juan			
				Latitude N36	.45989	Longitude	W108.02190		R	CVD JUN : DIL CONS.	271	12	
				NATI	URE	OF RELI	EASE			DIST	Q		
Type of Relea	ase: Natura	Gas/Condens	ate			Volume of and 5 bbls	Release: 100 MC	F gas		Recovered: 12 bon contamin			
Source of Rel	ease: 4" ga	thering line ex	ternal cor	rosion hole			lour of Occurrenc	e:	Date and analysis o	Hour of Disc confirming gr June 19, 2012	overy oundv	: Laboratory water impact	
Was Immedia	te Notice C		Yes [No Not Req	quired		Whom? Glenn vin, NNEPA	von Gon					
By Whom? 7	Cami C. Ro	ss, Animas En	vironmen	tal Services		Date and H	lour: June 19, 20	12 at 15	30 hours				
Was a Watero			· · · · · · · · · · · · · · · · · · ·				olume Impacting t			Jnknown, Wo	orkpla	n to delineate	
		\boxtimes	Yes	No		area of imp	pact has been sub	mitted to	NMOCD	and NNEPA	on Ju	ne 22, 2012.	
	a Watercourse was Impacted, Describe Fully.* Groundwater in the Gallegos Wash was encountered at approximately 2.25 feet below ground surface gs). Horizontal extent of the dissolved phase plume will be delineated upon approval of the workplan submitted on June 22, 2012. escribe 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 G	allegos Wash.	Groundy	n Taken.* June 6 th water was encounte nalysis. Laboratory	red at a	pproximatel	y 2.25 feet bgs. A	A ground	petroleum Iwater sam	hydrocarbon ple was colle	conta cted f	minated soil from the base	
Soil samples	and water s	amples will be	collected	I from each sampling	ng poin	t and submit	ted for laboratory	num of e analysis	eight samples. Based o	ling points (to n the laborate	mpor ory res	ary wells). sults, a	
I hereby certi- regulations al public health should their of or the environ	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 semedial action plan for the residual petroleum hydrocarbon contamination will be developed. Thereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and egulations 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 ederal, state, or local laws and/or regulations.												
Signature:	ta	R					OIL CON	SERV	ATION	DIVISIO	N V		
Printed Name	: Aaron Da	: Joh	att.	1	eller/								
Title: Enviro	nmental Sc	ientist				Approval Da	ie: 7/06/2	92	Expiration	Date:		,	
E-mail Addre	ss: amdaile	ey@eprod.con	n		(Conditions of	Approval:			Attached			
	.2012			(505) 599-2286									
Attach Addit	ional Shee	ets If Necess	агу				N	57Z	1289	85430	16	2	

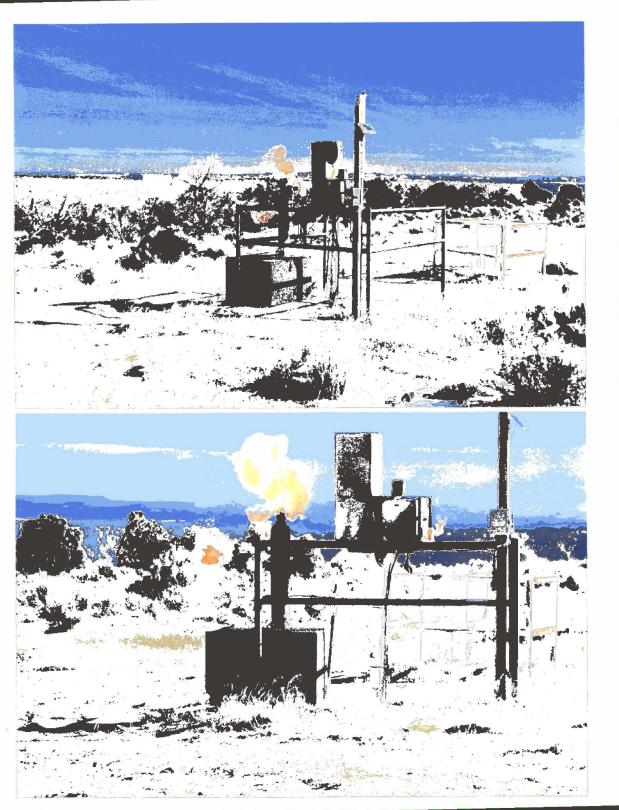
State of New Mexico Energy Minerals and Natural Resources

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

						OPERA	ΓOR		Initia	al Report	\bowtie	Final Repor
Name of Co	mpany E	nterprise Pro	ducts			Contact Aa						
		venue, Farm					No. (505)599-22					
Facility Nat	ne Latera	D-9 Therm	o Electric	Generator		Facility Typ	e Cathodic Pro	tection				
Surface Ow	ner Privat	e		Mineral (Owner P	rivate			API No),		
				LOCA	ATION	OF REI	LEASE					
Unit Letter K	Section 29	Township 27N	Range 8W	Feet from the	North/	South Line	Feet from the	East/We	est Line	County San Juan		
			Latitud	e_N36.5434	Longitu	ude_W107.	7071 (Dec Degr	rees)	_			
				NAT	TURE	OF REL						
Type of Rele							Release N/A			Recovered N		
Source of Re	lease Theri	no Electric G	enerator (TEG) unit			lour of Occurrence @ 09:45 hours (e			Hour of Dis @ 09:50 hou		,
Was Immedi	ate Notice (A COLOR DE C		1 x		If YES, To			n	0.00		
				No Not R	equired		owell, Staff Mana			Office		
By Whom? A Was a Water		y, Enterprise l	Environme	ental			lour 2/8/2012 @					
			Yes 🗵			II IES, VC	nume impacting t	ine water	e de la companya de l	RCVD FEE		
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	k						OIL COMS		۷.
reaching thi Supervisor was remove	s location, and Safety ed from the a Affected invironment	they were in personnel at TEG unit u	nformed trrived on ntil unit of Action Take	hat fire had bee location along an it can be rep	en exting with are blaced. I	guished and a Corrosion Please see a	with local fire d there was no ad technician and ttached docume	discusse ntation/p	vironme d possib ossible o	ntal impact le cause of cause and p	fire. S	a Supply gas
I hereby certifications a public health should their corthe environments.	ify that the i ll operators or the envir operations h nment. In a	are required to ronment. The ave failed to a	o report and acceptance acceptanc	nd/or file certain rece of a C-141 report investigate and r	release no ort by the remediate	otifications are NMOCD me contaminati	knowledge and und perform correctarked as "Final Roon that pose a three the operator of	etive action eport" doc reat to grou	ns for rele es not reli and water	eases which ieve the oper r, surface wa	may en rator of iter, hu	ndanger f liability ıman health
	٨	1	0				OIL CON	SERVA	TION	DIVISIO	N	
Signature: Printed Name	Ham Da	nilev.	18			Approved by	Environmental S	pecialist:	Ch.	ALC		Volle
Title: Field I					,	Approval Dat	e: 2/27/br)(2 Ex	piration	Date:		My
E-mail Addre		ey@eprod.com		05)599-2286		Conditions of	70	10-15		Attached		
Attach Addi		ets If Necess		- July Maddy			nJKla	205	853	705	-	







Dailey, Aaron

From:

Stewart, Chad

Sent:

Thursday, February 09, 2012 2:34 PM Hale, Gregory; Dwyer, Stephen

To: Subject:

FW: D-9 TEG Unit 1st set of pictures

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

Date: 1/16/2012

Phone: (505) 599-2286

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 **RCVD JAN 18'12**

OIL CONS. DIU DIST DOOM C-141 DIST Sed October 10, 2003

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

			Rele	ease Notific	ation	and Co	rrective A	ction				
						OPERAT	ГOR		M Initia	al Report		Final Report
Name of Co		-				Contact: Aa						
Address: 63			ington 87	7401			No.: (505) 599-2	286				
Facility Nar	ne: Smyer	's LS #1			F	Facility Typ	e: Pipeline					
Surface Ow	ner : Privat	te		Mineral O	wner:	BLM			Lease N	lo.		
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from the	East/V	Vest Line	County		
М	2	31N	11W							San Juan		
		I	atitude	N36.9234° Long				nal Deg	rees			я
						OF REL						
				Produced Water. poratory analysis.		Volume of	Release: Unknow	wn		contamina		bic yards of has been
Source of Re	lease: 2" p	ipeline					lour of Occurrence			Hour of Dis		
							lease discovered of t 1500 hours	on	Groundw at 1510 h	ater results	received	3 01/13/12
Was Immedia	ate Notice C	iiven?					Whom? Jonatha	n Kelly			d on 01/	/13/12 at
		\boxtimes	Yes	No Not Re	equired		via voicemail. G					the state of the s
						140	t 1621 hours via		his form a	cts as the gr	oundwa	iter impact
By Whom?	Tami C. Ross	Animas Env	ironment	al Services (AES)			tification to NMO lour: 01/13/12 at		nurs			
Was a Water			nonneric.	di Sci vices (AES)			olume Impacting t					
		\boxtimes	Yes 🛛	No		Unknown						
If a Watercou 01/12/12 and		pacted, Descri	be Fully.*	Kiffen Wash has	been im	pacted. Eme	rgency soil excav	ation ac	tivities we	re complete	d on 12/2	27/11,
12/27/11, 01/ groundwater	was shut in 12/12 and (samples we	and blown do 01/13/12. Soi ere collected f	wn on 12, I borings i or laborat	n Taken.* /26/11 but has no were installed usin tory analysis. Upo be submitted to	ng a han n receip	d auger on 1 t of laborato	2/26/11. Test pit	ts were	excavated	using a back	hoe. So	oil and grab
Describe Are												
regulations al public health should their of or the environ	Once the area has been delineated, an appropriate OCD approved remediation method will be conducted at this location. Thereby 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.											
			1 ~				OIL CON	SERV	ATION	DIVISIO	N	
Signature:	and b		Ale		A	Approved by	District Supervis	or:	W/			
Printed Name	: Aaron Da	ailey			-		prancy	Tool	X			
Title: Field E	Environmen	tal Scientist			1	Approval Dat	e: 1/9/201	2	V Expiration	Date:		
E-mail Addre	ss: amdaile	y@eprod.com			(Conditions of	Approval:			Attached		

NJK 1201952419

I <u>II</u>
1625 N. French Dr., Hobbs, NM 88240
<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210
<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410
<u>District IV</u>

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 RCUD MAR 28 '12

OIL CONS. DIV Porm C-141

DISRevised 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

			Itti	ase i volific	41101	OPERAT			✓ Initia	al Report		Final Report
Name of Co	mpany: E	nterprise Pro	oducts			Contact: Aa				птерет		· marriepor
Address: 61				401			No.: (505) 599-2	286				
Facility Nan						Facility Typ						
Surface Ow	ner : Priva	te		Mineral O	wner:	BLM			Lease N	No.		
				LOCA	TION	OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line	County		
М	2	31N	11W							San Juan		
		I	atitude	N36.9234° Long	itude	W107.96495	5° Units=Decin	nal Deg	rees			20
				NAT	URE	OF RELI	EASE					
				Produced Water. oratory analysis.		Volume of	Release: Unknow	wn		Recovered:~ 1		abic yards of has been
					-	Data and U	lour of Occurrence		removed	from site		
Source of Rel	lease: 2 p	ipeline				Original re	lease discovered of the state o			Hour of Disco ater results re		
Was Immedia	ite Notice C						Whom? Jonatha	an Kelly			on 0	1/13/12 at
		\boxtimes	Yes	No Not Re	quired	01/13/12 a	s via voicemail. G t 1621 hours via	email. T				
By Whom? T	ami C Ross	Animas Env	ironment	al Services (AES)	(4)		tification to NMO lour: 01/13/12 at		urc			
Was a Water			TOTIMETIC	al Services (ALS)			lume Impacting t				-	
			Yes 🛛			Unknown						
If a Watercou 01/12/12 and		pacted, Descri	be Fully.*	Kiffen Wash has	been in	npacted. Eme	rgency soil excav	ation ac	tivities wer	re completed	on 12	2/27/11,
12/27/11, 01/ groundwater	was shut in 12/12 and (samples we	and blown do 01/13/12. Soi ere collected f	wn on 12, Il borings v or laborat	n Taken.* /26/11 but has no were installed usin fory analysis. Upor be submitted to a	ng a han n receip	d auger on 1 t of laborato	2/26/11. Test pit	s were e	excavated i	using a backh	oe. S	oil and grab
Describe Area				en.* ate OCD approved	remed	iation metho	d will be conduct	ed at thi	slocation			
I hereby certi- regulations al public health should their o	fy that the is l operators or the envir operations had ment. In a	nformation give are required to onment. The ave failed to a ddition, NMO	ven above report an acceptanc dequately CD accep	is true and compled/or file certain re e of a C-141 report investigate and re tance of a C-141 r	ete to the lease no it by the mediate	te best of my otifications are NMOCD made contamination	knowledge and und perform correct arked as "Final Roon that pose a three the operator of the control of the con	nderstan tive action eport" do eat to gro responsil	d that purs ons for rele oes not reli ound water oility for co	nuant to NMO eases which n eve the opera c, surface water compliance with	nay enter of er, hu th any	ndanger f liability man health
	٨						OIL CONS	SERV.	ATION	DIVISIO	M	
0	Ham								4	H) X0	0)	
Signature: Approved by District Supervisor:											+	
Printed Name	: Aaron Da	iley)
Title: Field E	invironment	al Scientist				Approval Dat	e: 4/19/20	12 E	Expiration 1	Date:		
E-mail Addre	ss: amdaile	y@eprod.com			(Conditions of	Approval:			Attached		
Date: 1/16/2	2012	Ph	none: (505) 599-2286								
						V	nJK1211	0500	017			١

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.

			Rele	ease Notific	ation	and Co	orrective A	ction				
						OPERA'	ГOR			al Report		Final Report
		nterprise Pro			-	Contact Aa						
		venue, Farm	ington N	M 87401			No. (505)599-22	286	,			
Facility Na	me Federa	12E#1				racility Typ	e Well tie line					
Surface Ow	ner Navaj	o Tribal	***	Mineral O	wner N	lavajo Triba	al		API No),		
				LOCA	TION	OF RE	LEASE					
Unit Letter G	Section 2	Township 27N	Range 12W	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County San Juan		
				Latit	ude	Longitude	·					
				NAT	URE	OF REL						
Type of Rele	ease Natura	Gas release					Release 141 MC els liquid (est.)	F gas		Recovered a		mately 120
Source of Re	elease 4" gat	hering line co	rrosion ho	ole			Hour of Occurrence	ce		Hour of Dis		
						Unknow	1		3.15.2012	2 @ 16:00 h	ours	
Was Immedi	ate Notice (Yes [No Not Re	quired	If YES, To	Whom?	I		RCVD MAF	28':	12
By Whom?						Date and I				OIL COM	S. DIL).
Was a Water	course Read		Yes 🗵] No		If YES, Vo	olume Impacting	the Wate	ercourse.	DIST	.3	
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	k								
				n Taken.* A thi			NAPI discovered	a pipelin	e leak in fi	ield 409A. 1	Enterpri	ise operators
it was discov determined t vapor extrac The soils in residual hyd groundwater	rered that so to be approp- tion technique and well belancearbon im is estimated	ils directly be riate based on ues which will ow the root zo pacted soil is I to be at a department.	the risk of the risk of the implementation in the at depths of great the control of the control	sen.* Approximate pe had been impact from from from from from from from from	cted at de conver all corn le been re t zone in A deline:	epths exceed ntional dig ar harvest has b placed with on this field.	ing 23 feet. There and haul remediation been completed, we clean fill material There is no apparencess is to begin of the control of the cont	refore, and on. The which wo approve ent groun on 3.29.2	alternative proposed resuld be esti- ed by NAPI adwater im	re remediation remediation mated to be I personnel. spact at this	on meth will be Novem The es location	using soil aber 2012. stimated as
I hereby cert regulations a public health should their or the environ	ify that the idl operators or the environment. In a	information gi are required to ronment. The lave failed to	iven above o report and acceptand adequately OCD accep	e is true and compled of file certain rece of a C-141 report investigate and restance of a C-141 report investi	ete to the elease no ert by the emediate	ne best of my otifications a e NMOCD me e contamination	knowledge and und perform correct parked as "Final Room that pose a thr	inderstar ctive acti deport" d reat to gr	ons for rel oes not rel ound wate	eases which ieve the ope r, surface wa	may er erator of ater, hu	ndanger f liability man health
Signature:	Acros ()	A.	R			Approved by	OIL CON Environmental S		Λ =	DIVISIO	NON (
Printed Nam	e: Aaron D	ailey		during the book of the control of th					-	-0(0	M	<u></u>
Title: Field	Environmen	tal Scientist			1	Approval Da	te: 4/19/20	12 1	Expiration	Date:		V
E-mail Addr	ess: amdail	ey@eprod.com	m			Conditions o	f Approval:			Attached	i 🗆	
	7.2012			505)599-2286								
Attach Add	itional She	ets If Necess	ary				NJK 18	2110	49719	7		

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 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

Revised August 8, 2011

Form C-141

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.

			Kel	ease Notific	cation	i and Co	orrective A	ction				
						OPERA'	ГOR	\boxtimes	Initia	al Report		Final Repo
		nterprise Pro				Contact Aa						
		venue, Farm					No. (505)599-22					
Facility Na	me Howel	l#1 Well ti	e pipeline	<u> </u>		Facility Typ	e Well tie pipe	line				
Surface Ow	mer: BLM			Mineral ()wner:	BLM		A	API No).		
				LOCA	ATION	OF REI	LEASE					
Unit Letter	Section 3	Township 30 N	Range 8 W	Feet from the	North/	South Line	Feet from the	East/West	t Line	County San Juan		
	1			26.50.442121			4 (0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	400)		RCVD	HAR:	112
			Latitud	e_36 50.142'N	Longitu	ide_107 40.	.160'W (DDMN	MSS)		OIL C	ONS.	DIV.
					TURE	OF REL				DI	ST. 3	
Type of Rele	ease Natura	l Gas and Nat	ural Gas C	Condensate			Release 632 MC and 7-10 Barrels			Recovered 16 ated soil	0 yard	S
Source of Re	elease 4" we	ell tie pipeline	;			Date and H	Jour of Occurrence 2.09.2012 d)	100		Hour of Disc 2 @ 11:00 h		
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To		ager, NM O	CD Azt	ec District O	ffice	
By Whom?							Iour 02.27.2012		urs—th	is was within	24 ho	urs of when
Was a Water	course Read		Yes 🗵	l No			s estimate was cal blume Impacting t		urse.	-		
If a Waterco	urse was Im	pacted, Descr								***		
3rd party rep pad. The 4" I No visible licestimated on Describe Are an OCD perithe Aztec off I hereby cert regulations a public health should their or the enviro	ported a gas pipeline was quids were poet the pipel on Affected mitted facilities along wiff that the idl operators or the environment. In a	risolated, deporesent on the ine was expose and Cleanup Ary. Confirma ith the c-141 information grare required to comment. The lave failed to a	the Howe ressurized soil. The ed and ins Action Tal- tion samp "Final" re- iven above to report an acceptance adequately OCD accep	and locked and to eak is located in a pected. The area whom the area whom the area whom the area whom the area and the area are the area and the area and the area are the area and the area and the area are the area and are are are are area.	agged ou a class 1 was reme as condu elete to the release no ort by the remediate	ediated using acted by a third telephone best of my ottifications are NMOCD me contaminati	spatched and disc ne location is in S anager and enviro dig and haul tech d party environm knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	ec 3, T30N, nmental scie niques. Hyc ental contra nderstand the tive actions eport" does eat to groun- responsibilit	drocarb actor and hat purs for released not reliad water ty for co	on impacted d a report with a	Gas lo soil wa ll be su OCD ru may en ator of ter, hur ith any	as hauled to debmitted to les and danger liability man health
Signature:	e: Aaron D	ailey	LaR			Approved by	OIL CON		FION	DIVISIO	N Me	
		tal Scientist				Approval Dat	e: 365/201	2 Expi	iration l	Date:		
Title. Field							. /					
	ess: amdail	ey@eprod.com	m		(Conditions of	Approval:			Attached		
E-mail Addr Date: 02.2	29.2012	ey@eprod.com	Phone:	(505)599-2286			Approval:					

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141

Revised August 8, 2011

			Rele	ease Notific	atio	n and Co	rrective A	ction			
						OPERA	ΓOR		ial Report	Final Re	eport
Name of Co						Contact Aa					
		venue, Farm	ington N	M 87401			No. (505)599-22				
Facility Nar	ne Chaco	Gas Plant				Facility Typ	e Gas Processi	ng Plant			
Surface Ow	ner Privat	e		Mineral O	wner I	Private		API N	0.		
				LOCA	TIO	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/West Line	County	****	
I	16	26N	12W						San Juan		
				Latit NAT		_Longitude			OIL CO	EB 27/12 INS. DIV. ST. 3	
Type of Rele	ase Produc	ed water, con	densate ar				Release 7-9 Barr	els Volume	Recovered :	approximately 45	5
						(est.)		yards o	stained soil	and oil mix	
Source of Re	lease 4" val	ve that froze	and burst				four of Occurrence 2 @ 20:15 hours		d Hour of Dis 12 @ 20:15		
Was Immedia	ate Notice (Yes [No Not Re	quired	If YES, To	Whom?				
By Whom?						Date and H	lour				
Was a Water	course Read		Yes 🗵] No		If YES, Vo	lume Impacting t	he Watercourse.			
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	*							
on this portion the valves and results. Micronwental Describe Are refer to the tell I hereby certifications at public health should their conthe environmental their continuous control to the environmental their control their control to the environmental their control the environmental their control their control to the environmental the envi	n of the lind cordoned obes were a contracto a Affected ext above; a fy that the ll operators or the environment. In a	e, which de-ir the spill area. emplaced over r conducted of and Cleanup a third party en information gi are required to ronment. The	stained stained ar the excavonfirmatic Action Tall avironmen iven above o report as acceptant adequately OCD accept	n Taken.* A lin water, condensate soil in area was exvated area to enhan an sampling and a ken.* Area affectal report will be se is true and compend/or file certain rece of a C-141 report investigate and reportance of a C-141.	and lucavated ace bior report vited was ubmitted tete to telease mrt by the mediate	be oil directly by hand and remediation, the will be submit a soil directly be do to the Azteche best of my notifications at the NMOCD meter contamination.	below the valve a will be hauled to then straw was plated to the Aztec of the hence the remarked office once the remarked as "Final Roon that pose a through the pose	rupture location. an OCD approve aced over the mic ffice once this is valve on the plar report is complete anderstand that put tive actions for r eport" does not r eat to ground wa	Upon discoved landfarm per cobes. A third complete. It piping insided. Transport to NM eleases which elieve the open er, surface w	ery, employees shending analytic d party le the facility. Ple IOCD rules and a may endanger erator of liability ater, human health	ease
Signature:	e: Aaron D	ailey	8			Approved by	OIL CON	SERVATIO	N DIVISIO) fells	
Title: Field I	Environmer	ntal Scientist				Approval Da	e: 3/05/201	2 Expiratio	n Date:		
E-mail Addre	ess: amdail	ey@eprod.com	m			Conditions o	Approval:		Attached	i 🗆	
Date: 2.23	3.2012		Phone: (505)599-2286							

* Attach Additional Sheets If Necessary

nJR1206532040

<u>District 1</u> 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.

			Rele	ease Notific	atio	and Co	rrective A	ction	1				
						OPERA'				al Report		Final R	Report
Name of Co	mpany Ei	nterprise Pro	ducts			Contact Aa							
		venue, Farm		M 87401			No. (505)599-22	286			***************************************		
		K-12 Loop				Facility Typ	e Condensate s	storage	tank				
Surface Ow	ner BLM			Mineral O	wner I	BLM			API No).			
ballace of the		-80					EACE		1				
11.1.1.1	C+:	Tourselie	D			South Line	T	Esst/A	V 1 : a	Country			
Unit Letter SW/4	Section 23	Township 27N	Range 7W	Feet from the	North	South Line	Feet from the	East/V	West Line	County San Juan			
				Lat	itude_	Longitu	de						
				NAT	URE	OF REL	EASE						
Type of Rele	ase Historie	cal impacts di	scovered	during cleanup of			Release: Unknov	wn	Volume I	Recovered 1	20 yar	ds of	
barrel (estima	ated) release	3					@ 5-10 barrels)		contamin	ated soil ren	noved a		ne
Source of Re tank overtopp		rical impacts t	o soil fror	n either an unlined	l pit or	Date and I Unknown	Hour of Occurrence	ce		Hour of Dis @ 15:00 ho			
Was Immedia	ate Notice C		Yes [] No 🛛 Not Re	quired	If YES, To	Whom?			CVD APR		2	
By Whom?						Date and I	Iour				UIV.		
Was a Water	course Reac		Yes 🗵	l No			olume Impacting	the Wate	ercourse.	DIST.	3		
If a Watercou	irse was Im	pacted, Descr											
well below g	rade. The b	ackhoe that w	as being u	n Taken.* During used to clean the a cing utilized at this	rea up v	went as deep/							soil
on 4.9.2012 i	n order to g	ain more vert	ical depth	ken.* The major and hopefully ren ntal report once co	nove all	of the contar							
regulations a public health should their or or the environ	If operators or the environmental operations has nment. In a	are required to ronment. The save failed to a	o report an acceptance adequately OCD accep	e is true and completed in the certain rece of a C-141 reporting and restance of a C-141 reportance of a C-141 received.	elease n rt by th emediat	otifications a e NMOCD m e contaminat	nd perform correct arked as "Final R on that pose a thr	ctive act deport" d reat to gr	ions for rel loes not rel round water	eases which ieve the ope r, surface wa	may en rator of iter, hu	ndanger liability man heal	,
							OIL CON	SERV	ATION	DIVISIO	N		
Signature:	tan D	- Day				Approved by	Environmental S	pecialis	t:	al Oc	Kol		
Printed Name							4/19/10	12		74 10	400	4	
Title: Field I	environmen	tal Scientist			-	Approval Da	ie: 1/11/20	100	Expiration	Date:		U	_
		ey@eprod.cor		25,500,000		Conditions o	f Approval:			Attached			
Date: 4.9. Attach Addi	2012 tional Shee)5)599-2286			n J R121	1107	PU				
			- 3				NO KIX	102	1071	O			

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.

1220/ D. CA. 114	icis Dr., Sunc	a re, run 0750.			Sa	anta F	e, NM 8/5	005					
			Rel	ease	Notific	catio	n and Co	orrective A	ction	1			
							OPERA'	ΓOR		☐ Initi	al Report	\boxtimes	Final Repor
Name of Co	ompany E	nterprise Pro	oducts				Contact Aa	ron Dailey					
Address 61	4 Reilly A	venue, Farm	ington N	M 87	7401		Telephone I	No. (505)599-22	286		RCUD AP	RE"	12
Facility Na	me Howel	l#1 Well ti	e pipelin	е			Facility Typ	e Well tie pipe	eline				NO CALL
Surface Ow	vner: BLM	1			Mineral (BLM ON OF RE	LEASE		API No	OIL CONS DIST	. DI \ . 3	я.
Unit Letter	Section 3	Township 30 N	Range 8 W	Fee	t from the	Nort	h/South Line	Feet from the	East/V	Vest Line	County San Juan		
			Latitud	le_36			tude_107 40	.160'W (DDM)	MSS)				

				LUCE	TION	OF KE	LEASE		
Unit Letter	Section 3	Township 30 N	Range 8 W	Feet from the	North/Sc	outh Line	Feet from the	East/West Lin	County San Juan
			Latitud	e_36 50.142'N				MSS)	
				NAT	CURE O	F KEL	EASE		
Type of Rele	ease Natura	l Gas and Nat	ural Gas C	Condensate			Release 632 MC and 7-10 Barrels		e Recovered 160 yards inated soil
Source of Re	elease 4" w	ell tie pipeline	2				Hour of Occurrence 02.09.2012 d)		nd Hour of Discovery 2012 @ 11:00 hours
Was Immedi	ate Notice (Yes [No Not R		If YES, To Brandon P		ager, NM OCD	Aztec District Office
By Whom?						the gas los	s estimate was ca	lculated	this was within 24 hours of when
Was a Water	course Rea] Yes ⊠	No		If YES, Vo	olume Impacting	the Watercourse	RCVD APR 9'12
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	ale .					DIST. 3
3rd party rep pad. The 4" No visible li estimated on Describe Are	ported a gas pipeline was quids were ce the pipel ca Affected mitted facili	s isolated, dep present on the ine was expos and Cleanup ty. Confirma	the Howe ressurized soil. The sed and ins Action Tal	II #1 well location I and locked and t leak is located in spected. ken.* The area	ocation. A technician was dispatched and discovered a pipeline leak 150 yards from the well and tagged out. The pipeline location is in Sec 3, T30N, R8W (36 50.142' N, 107 40.160' ed in a class 1 area. The Manager and environmental scientist were notified. Gas loss was area was remediated using dig and haul techniques. Hydrocarbon impacted soil was haule area was conducted by a third party environmental contractor. The third party environment				
I hereby cert regulations a public health should their or the enviro	ify that the all operators or the envi operations londers. In a	information g are required t ronment. The nave failed to	o report a acceptana adequately OCD accep	nd/or file certain in ce of a C-141 report investigate and i	plete to the best of my knowledge and understand that pursuant to NMOCD rules release notifications and perform corrective actions for releases which may endan bort by the NMOCD marked as "Final Report" does not relieve the operator of liab remediate contamination that pose a threat to ground water, surface water, human I report does not relieve the operator of responsibility for compliance with any other than the properties of the properti				
Signature:		2-30	0		Aj	oproved by	OIL CON Environmental S	necialist:	N DIVISION Kelly
Printed Nam Title: Field					Approval Date: 4/9/2012 Expiration Date:			on Date:	
		ey@eprod.co	m				f Approval:		Attached
Date: 4.4.	.2012		Phone: (50	05)599-2286					

* Attach Additional Sheets If Necessary

nJK 1211038666

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 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.

			Reie	ase Nounca	ation			cuon	_			
N CC	Г.	n	1 .			OPERAT				al Report	F	Final Repor
Name of Co				1 07401		Contact Aar		06				
Address 614 Facility Nan				0/401			No. (505)599-22 e Gas Processii		nt .			
								ig i iai				
Surface Own	ner NAPI	/Navajo Trib	al	Mineral O	wner N	lavajo Triba	1		API No			
				LOCA		OF REI	LEASE					
Unit Letter C	Section 21	Township 26N	Range 12W	Feet from the	North/	South Line	Feet from the	East/\	Vest Line	County San Juan		
				Latitude_N 36		4	_					
				NAT	URE	OF REL						
Type of Relea						lined conta		rels to	from line from surr of hydroc	Recovered 80 d containment, ounding soil a carbon impacte	, 1 barr nd 45 y ed soil	rel liquid
Source of Rel	lease Bisti o	cigar 100 barr	el vent tan	k			Iour of Occurrenc 2 @ 11:45 hours	e	01 01 01 105 0 10	Hour of Disco 2 @ 11:45 hou	-	
Was Immedia	ate Notice C		Yes	No Not Re	quired	If YES, To Steve Aust	Whom? in with Navajo El	PA and	Brenette Pi	ine with NAPI		
By Whom?							Iour 4.25.2012 @					
Was a Watero	course Reac		Yes 🗵	No		If YES, Vo	olume Impacting t	he Wat		RCVD MAY		
If a Watercou	rea was Im									OIL CONS. DIST.	DIV.	
II a Watercoo	irse was im	pacicu, Desci	ibe runy.							DIS1.	J	_
containment containment	caused rese area and app and approxi al Protectio	rvoir releif va proximately 5 imately 1 barr n Agency (NY	lve to ope barrels of el of cond	n Taken.* n, which caused the condensate was recover the law as recover I Navajo Agricultu	eleased red fron	to the surroun	nding soil. 80 barding soils within 2	rrels of 2 hours	condensate of the time	was recovered of the release.	d from . Navaj	the lined jo Nation
was conducte	ed on 4.25/4	.26.2012 and	third party	en.* Mechanical environmental cond the NM OCD of	nfirma	tion sampling	was done 4.27.2					
I hereby certi regulations al public health should their of	fy that the i ll operators or the envir operations h nment. In a	information grare required to ronment. The lave failed to addition, NMC	ven above o report an acceptance adequately OCD accep	is true and compled/or file certain rese of a C-141 repositivestigate and restance of a C-141 r	ete to the clease northern by the comediate	he best of my otifications a e NMOCD m e contaminati	knowledge and und perform correctarked as "Final Right to that pose a thr	etive act eport" of eat to g	tions for rel does not rel round wate	eases which m ieve the operator, surface water	nay end tor of l er, hum	danger liability nan health
		M.	7				OIL CON	SERV	ATION	DIVISION	N	
Signature:	the	A	6			Approved by	Environmental S	pecialis	st: Oona	toke	lly	
Printed Name	e: Aaron D	ailey							U		0	
Title: Field I	Environmen	tal Scientist				Approval Da	te: 5/07/201	2	Expiration	Date:		
E-mail Addre	ess: amdail	ey@eprod.com	m			Conditions o	f Approval:			Attached		
	2012			5)599-2286								
* Attach Addi	tional She	ets If Necess	ary			ATA	(12 12853	3114				

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

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

Form C-141

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.

			Rele	ease Notifica	tion	and Co	rrective A	ction	Rev	rised
						OPERAT	OR			l Report Final Report
Name of Co	mpany E	nterprise Pro	ducts		(Contact Aa	ron Dailey			
Address 614				M 87401			No. (505)599-22	286		
Facility Nan							e Gas Processi		t Natu	ral Gas Gathering
Surface Own	ner BLM			Mineral Ow	mer B	LM			APTRO	
				LOCAT	ΓΙΟΝ	OF REI	LEASE			
Unit Letter G	Section 12	Township 25N	Range 8W	Feet from the	North/S	South Line	Feet from the	East/V	Vest Line	County San Juan
			,	Latitu	de	Longitude			3 300	
				NATU	RE	OF RELI	EASE			
Type of Relea							Release 100MCF			ecovered None
Source of Rel	lease Extern	nal Corrosion	from natu	ral gas pipeline		Date and H Unknown	our of Occurrence	e		Hour of Discovery (a) 15:50 hours
Was Immedia	ate Notice (Yes [No ⊠ Not Req	uired	If YES, To	Whom?			
By Whom?						Date and H	lour			
Was a Watero	course Read	ched?	Yes 🗵	l No		If YES, Vo	lume Impacting t	he Wate	ercourse.	
If a Watercou	irse was Im	pacted, Descr	ibe Fully.					-		
employees iso	olated, depi	ressurized pipe	eline and a	pplied lock out tag	out to	the pipeline.				pipeline patrol. Enterprise
composed of used to impro excavated and	impermeab operly back: d a third pa	le sandstone a fill the pipelin rty environme	ind shale. e many ye ntal contra	It appears that the pars ago. There was	oipeline minin confir	e leaked due nal liquid dise mation samp	to external corros	sion poss cause of	sibly from the pipe's	on a very steep pitch he surrounding rocks that were steep slope. The area was pairs were being made. A third
regulations al public health should their cor the environ	Il operators or the envi operations h nment. In a	are required to ronment. The save failed to a	o report an acceptance adequately OCD accep	nd/or file certain release of a C-141 report investigate and ren	ease no by the nediate	otifications as NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thr e the operator of	etive acti eport" d eat to gr responsi	ons for rele oes not reli ound water bility for co	uant to NMOCD rules and cases which may endanger eve the operator of liability, surface water, human health ompliance with any other
							OIL CON	SERV	ATION	DIVISION
Signature:	Walter To a large					Approved by	Environmental S	pecialis	::	
Printed Name	e: Aaron D	ailey							you	J. AUM
Title: Field I	Environmer	ntal Scientist				Approval Dat	e: \20/2	12	Expiration 1	Date:
E-mail Addre	ess: amdail	ey@eprod.coi	n	***************************************	(Conditions of	Approval:			Attached
	.2012			05)599-2286						
Attach Addi	uonal Sne	ets If Necess	ary							

MX1217247172

RCVD JUN 20'12 DIL 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
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

Form C-141

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.

			Rele	ase Notific							
				OP.	ERAT			Initial Report	(Revised**) Final Report		
		nterprise Pro		1 07401		Contact Aa		206			
		venue, Farm l K-7 Pipelin		M 8/401			No. (505)599-22				
Facility Nai	ne Latera	K-/ Pipeiii	e		1	Facility Type Natural Gas Gathering line					
Surface Ow	ner Privat	e		Mineral C	wner			API	No.		
						OF RE	LEASE				
Unit Letter O	Section 15	Township 26N	Range 7W	Feet from the	North/	South Line	Feet from the	East/West Lin	e County San Juan		
		1	_atitude_	N36.4825 L				egrees)			
				NAT	URE	OF REL					
Type of Rele		l gas h natural gas g	atharina L				Release Unknow Your of Occurrent		ne Recovered None nd Hour of Discovery**		
Source of Re	lease 8 inc	n naturai gas ş	athering i	ne		Unknow			12 @ 09:00 hours		
Was Immedi	ate Notice (*****			If YES, To	Whom?		RCVD AUG 15'12		
		\boxtimes	Yes	No Not Re	equired	Brandon P	owell, NM OCD	Aztec Office	OIL CONS. DIV.		
By Whom?		-					Hour 8.1.2012 @				
Was a Water	course Read		Yes 🛛	No		If YES, Vo	olume Impacting	the Watercourse	DIST. 3		
If a Watercon	ırse was Im	pacted. Descr	be Fully.								
Dead vegetat verification, field fence w Describe Are	ion on pipe the site was ithin 24 hou a Affected	claimed by E ars of discover and Cleanup	ay was repoterprise. Y. Addition Tak	oorted to Enterpri After making not onally, signage wa en.*	ification as placed	s to Enterpri I on the field	se supervision an fence stating "fla	d NM OCD, the ammable, keep o			
currently rep	airing these	leaks with I-v	vrap. An c	environmental ass	essment	is currently	underway. Reme	ediation actions	d 5 leaks at this time and are will proceed once all leaks have regulatory standards.		
regulations a public health should their or or the enviro	Il operators or the envi operations h nment. In a	are required t ronment. The nave failed to	o report an acceptance adequately OCD accep	d/or file certain re e of a C-141 repo investigate and re	elease no ort by the emediate	otifications a NMOCD m contaminati	nd perform correct arked as "Final R on that pose a thi	ctive actions for Report" does not reat to ground w	oursuant to NMOCD rules and releases which may endanger relieve the operator of liability later, surface water, human health or compliance with any other		
rederan, state	W Total III	A T	`	·····			OIL CON	SERVATIO	N DIVISION		
Signature:	her .	AD				Approved by	Environmental S	\wedge	Atoval.		
Printed Name	e: Aaron D	ailey						90	WW. herry		
Title: Field l	Environmen	tal Scientist			A	Approval Da	te: 4/20/2	0/2 Expirati	on Date:		
		ey@eprod.coi Z - Keuwe			(Conditions of	f Approval:		Attached		
Date: 8.9.	2012		ne: (505)5	99-2286							
Attach Addi	tional Shee	ets If Necess	ary				NJA20	16432	20		

District I
1625 NeFrench 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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State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
Permit 1 Copy to appropriate District Office in

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.

			Rele	ease Notific	catior	and Co	orrective A	ction				
						RATOR		Initi	al Repo	rt		Final Repor
		nterprise Pro				Contact Aa		206				
Facility Na		venue, Farm	ington N	M 87401			No. (505)599-22 be Natural Gas		v lina			
Facility Na	ne Latera	1 0A-22				racinty Typ	e Natural Gas	Gathering	gime			
Surface Ow	ner BLM			Mineral ()wner l	BLM			API No),		
				LOCA	ATION	OF RE	LEASE					
Unit Letter M	Section 15	Township 26N	Range 9W	Feet from the	North/	South Line	Feet from the	East/We	est Line	County San Juan		
		1	Latitude_	_N36.4833 L				egrees)				
m				NAT	TURE	OF REL				1.10		1 0
Type of Rele	ase Natura	l gas condens	ate			ASSOCIATION OF THE PROPERTY OF	Release Unknow 4 barrels of e)	1		Recovered 40 oil removed fr		
Source of Re	lease 4 inc	h natural gas g	gathering l	line		Date and F Unknown	Tour of Occurrence		9.6.2012	Hour of Disc @ 09:30 hour	rs	
Was Immedi	ate Notice (Yes [] No 🛛 Not R	equired	If YES, To	Whom?			OIL CONS	. DIV	
By Whom?						Date and H				DIST.	J	-
Was a Water			Yes 🗵			If YES, Vo	olume Impacting t	the Waterc	course.			
If a Waterco	arse was Im	pacted, Descr	ibe Fully.	*								
		em and Reme ported line lea		n Taken.* orise technician w	as dispat	ched, verifie	d leak, isolated, b	olew down	line and	initiated LOT	O.	
An initial en 9/18/2012. I landfarm. C additional bi	vironmental Field screeni onfirmation Il of lading o	ing of excavat sampling was documentation	vith an aug ed soils in s conducte n.	ger indicated impandicated contaminated on the excavate	ated soil ed area or	above OCD nee this staine	soil standards so ed soil was remov	these soils wed. Please	were had e see the	uled to an OC attached phot	D pern tos, ske	nitted etch, and
regulations a public health should their or the enviro	Il operators or the envir operations h nment. In a	are required t ronment. The ave failed to a	o report and acceptant adequately OCD accep	e is true and comp nd/or file certain in the of a C-141 report investigate and in otance of a C-141	release no ort by the emediate	otifications and NMOCD me contaminati	nd perform correct arked as "Final R on that pose a three the operator of	etive action deport" doe reat to grou responsibil	ns for rele es not reli and water lity for co	eases which n ieve the opera r, surface wate ompliance wi	nay end tor of l er, hum th any o	langer iability aan health
	1 2	1	0 -				OIL CON	SERVA	TION	DIVISIO	N	
Signature:	tan Di	4				Approved by	Environmental S	pecialist:	Dis	Ho k	11	
Printed Nam	e: Aaron Da	ailey			-		1.1		Pin	001, 13. [-CON	1
Title: Field	Environmen	tal Scientist				Approval Dat	e: 10/23/23	0/2 Ex	piration l	Date:		U ,
		ey@eprod.coi				Conditions of	Approval:			Attached		
	5.2012)599-2286					. 61			
Attach Addi	uonai Shee	ets II Necess	ary			rt	K12297	326	17			

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:

Date

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

		Det.
	Concentration	Limit
Parameter	(mg/Kg)	(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



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

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 09-20-12

Preservative: Condition:

N/A N/A Date Analyzed: Analysis Requested:

TPH

I-Cal RF:

C-Cal RF:

% Difference

Accept. Range

Gasoline Range C5 - C10

I-Cal Date 09-20-12

9.9960E+02

1.0000E+03

0.04%

0 - 15%

Diesel Range C10 - C28

09-20-12

9.9960E+02 1.0000E+03

0.04%

0 - 15%

Blank Conc. (mg/L - mg/Kg)

Gasoline Range C5 - C10 Diesel Range C10 - C28

Total Petroleum Hydrocarbons

Concentration

Detection Limit 0.2

ND

ND

0.1

ND

Duplicate Conc. (mg/Kg)

Gasoline Range C5 - C10

Sample **Duplicate**

% Difference Accept. Range

Diesel Range C10 - C28

ND ND ND ND 0.0% 0.0% 0 - 30% 0 - 30%

Spike Conc. (mg/Kg)

Gasoline Range C5 - C10 Diesel Range C10 - C28

Sample

ND

ND

Spike Added Spike Result 250

% Recovery

Accept. Range

236 94.3% 75 - 125% 75 - 125% 250 289 116%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was

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

50
Det.
Limit
(ug/Kg)
10.0
10.0
10.0
10.0
10.0

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



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	N/A 0924BCAL QA/QC 63327 Soil N/A N/A	; 	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis: Dilution:	0! N N 0!	/A 9-24-12 /A /A 9-24-12 TEX
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.
Detection Limits (ug/L)		Accept. Range 0-15%	6	Conc	Limit
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	9.4015E-06 9.3523E-06 9.8456E-06 7.1243E-06 9.9192E-06	9.3961E-06 8.8267E-06 9.8879E-06 7.1243E-06 9.9192E-06	0.001 0.056 0.004 0.000 0.000	ND ND ND ND	0.2 0.2 0.2 0.2 0.2
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	ND 13.3 ND 25.4 ND	ND 13.3 ND 25.1 ND	0.00 0.00 0.00 0.01 0.00	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	10 10 10 10 10
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene Toluene Ethylbenzene	ND 13.3 ND	2500 2500 2500	2350	87.6 93.5 88.0	39 - 150 46 - 148 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.

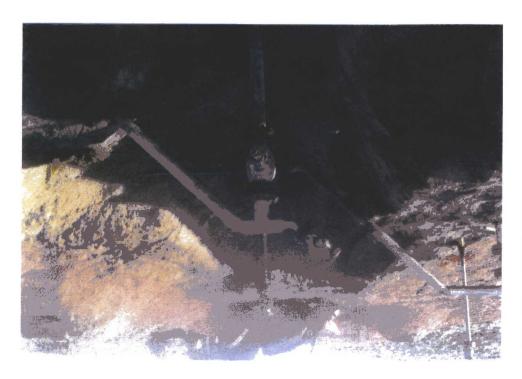
Comments:

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

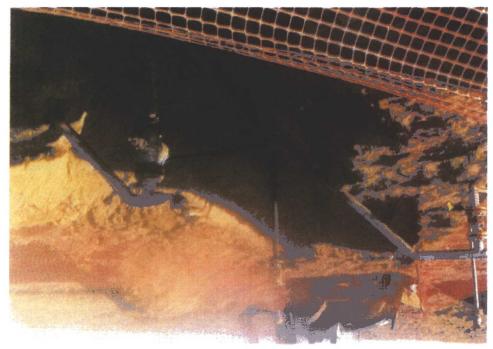
14460

CHAIN OF CUSTODY RECORD

Client: PRODUCTS	One-sout	0.00	oject Name / Locat			ANALYSIS / PARAMETERS																
Email results to:	V160747.76		impler Name:				-			=						,						\top
amdailer @eprod.com			A DATLEY						015)	802	3260											
Client Phone No.:			ent No.:		-				8 pc	hod	8 po	etals	ion		H/P	10-1	0				0	act
(505) 599-2286			9705	7-03	352				1eth	(Met	Meth	8 W	/ An		with	ole S	118.	3DE			ပြိ	in e
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./	Volume entainers	1	reservat	tive	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
1-Spt. Compaite Conf. Sample	9/18/12	14:15	103276	1/4	02_				X	X											X	X
-																						
					12-397																	
		; *																				
Relinquished by: (Signature)			•	Date	Time	Rece	ived b	y: (Si	gnatu	ıre)	1	0	1	_	~					Dat	T	ime
Acrollad				9/18/12	15:40						\Rightarrow	5_		1	\triangle	\			4	7/181	12/	54
Relinquished by: (Signature)						Rece	ived b	y: (Si	griatu	ite)												
Sample Matrix	-																					
Soil Solid Sludge	Aqueous 🗌	Other 🗌																				
Sample(s) dropped off after h					en v Ana								0104	21 - 1			9		la Ja-			
5795 US Highway 64	runningic	11, INIVI 0/40	1 - 303-032-0013 • 1	mee shu	192 - 021	VIEICU	10 2116	ال رائ	WIG I	10, DU	rung	0, 00	0130) = K	abord	TOLA	RELIA	OIEC	1-111C.	COLLI		- 1

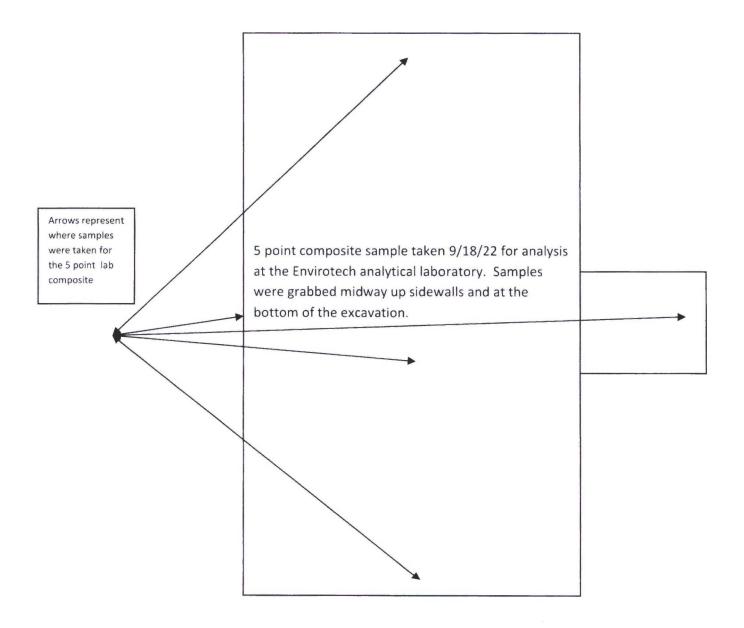






Enterprise Products Lateral 6A-22 EOL Excavation:

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



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

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 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, UP
2. Originating Site:
LAT GA-22 EOL
3. Location of Material (Street Address, City, State or ULSTR):
J- Sec 14 T260 R9W
4. Source and Description of Waste:
4. Source and Description of Waste: Exempt condemente staired soil from a leak repair and associated cleanup of a natural gas gathering line.
cleaning of a natural gas gathering line.
Estimated Volume 40 yd3/bbls Known Volume (to be entered by the operator at the end of the haul) 40 (yd3/bbls
GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, A pure Dan , representative or authorized agent for Sukerprise 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 Brequency Monthly Weekly Rer 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
l, Kondandama, representative for Environe. Inc. do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter:
West States Energy Doug Foutz
OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: Environment, Inc. Soil Itenacions Tacitury Termit [NIT-
Name and Facility Permit #: Envirotech, Inc. Soil Renediation Facility Permit* NM-1 Address of Facility:#43 Road 7175, South of Bloomfield, NM OOI
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 Runung SIGNATURE: Surface Waste Management Facility Authorizatiagent DENIED (Must Be Maintained As Permanent Record) TITLE: Waste Coordinator DATE: 91912 TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent



Bill of Lading

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

FILOM	: (303) 632-0613 * 3796 U	.S. HIGHWAY 64	*	•									
LOAD	COM	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
1	Enterprise	LFII.4	CONT	D-9	10		Doug Foutz	935	1015	Oulet,			
2	Cat 6A-22	1 (T .	D-9	10	_	11	9351	2490	Durland,			
3	202	1/	1 /	D-9	10	•	7]	935	1305	Olinkod			
4	11 11	8 /) /	D.9	10		* *	935	1427	- Oankoch			
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									Tomas data da a a a a a a a a a a a a a a a a				
								La propaga (Chian					
			kenning (1905) si ini diserberka dilika di peradilikan pelanci (2,1 di si ilikan peradilikan pelanci di si ini					And the second s	2300,772 Jackson				
				A.C. of control was every live									
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	1	s em	4	NOTES:							
46	PAINT FILTER TEST	Certific											
"1 certify t	he material hauled from the	above location has	not been added	to or mixed	with, and i	s the sar	ne material receive	ed from th	e above	mentioned Generator, and			

that no additional materials have been added."

COMPANY CONTACT CROSS FOUT 2

NAME Tim Rodriguez PHONE 325 4922



nvirotech

Bill of Lading

MANIFEST # 42148

DATE 9 - 19 - 12 JOB # 77057-052

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DRIVER SIGNATURE DESTINATION TIME MATERIAL **GRID** YDS **BBLS COMPANY** TRK# Envirotech EnterpristClean Landfurm Lott 6A- Fill 22 EOL SOIL Dough. 10 RESULTS: NOTES: LANDFARM CHLORIDE TEST EMPLOYEE:

"I certify the material hauled from the above location has not be	een added to or mixed with, and is the same	material received from the above mentioned Ge	enerator, and
that no additional materials have been added."		-2	
TRANSPORTER CO DOUG TO TZ	NAME I for Lodiquez	SIGNATURE Colored	
COMPANY CONTACT CROIS FOOT Z	PHONE 325-4922	DATE 9-19-12	

Certification of above receival & placement

Signatures required prior to distribution of the legal document.

PAINT FILTER TEST

District 1
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
Submit 1 Copy to appropriate District Office in

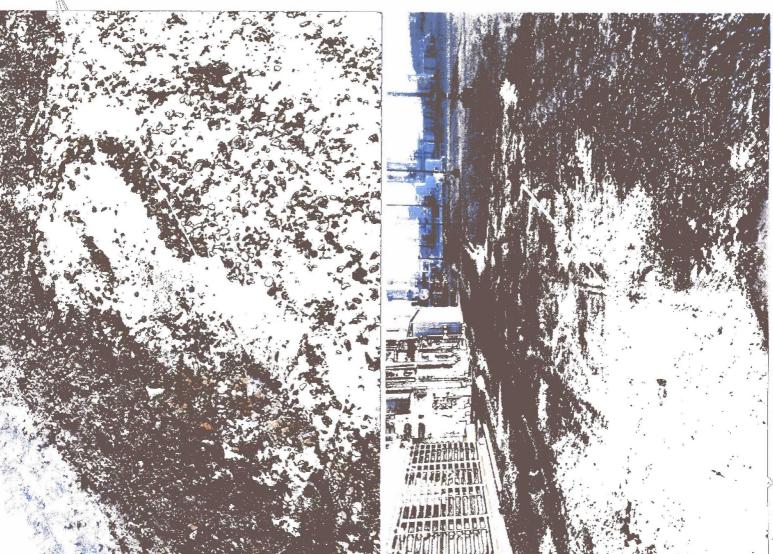
Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ease Notific	cation	and Co	orrective A	ction	l	W	THIN	15 DAYSOF		
						OPERA'	ГOR		Init	ial Report		Final Repor		
		nterprise Pro				Contact Aa								
		venue, Farm		NM 87401		Telephone No. (505) 599-2286								
Facility Na	me Val Ve	erde Gas Pla	nt			Facility Type Amine Treating Plant								
Surface Ow	vner Privat	e		Mineral C)wner I	Private			API N	0.				
				LOCA	ATION	OF RE	LEASE							
Unit Letter SE/4 SE/4	Section 11	Township 29N	Range 11W	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County	2	non		
			Lat	itude_N 36.485					F	OIL CONS	. DIV	2		
T CD 1				NAT	URE	OF REL		1	77.1	DIST.	3_			
Type of Rele						(estimated)			15 barrel stained s	oil removed		ards of amine		
Source of Re Flash Gas Co			valve on t	he Train 8 Low P	ressure		Iour of Occurrence 16:30 (estimated			Hour of Dis @ 18:30	covery			
Was Immedi	iate Notice (Yes [No Not Ro	equired	If YES, To Brandon P	Whom? owell, Aztec Offic	ce						
By Whom?	Aaron Daile	ey.				Date and F	Iour 7.2.2012 @ (08:00 ho	urs					
Was a Water		hed?	Yes 🗵	No		If YES, Volume Impacting the Watercourse.								
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*		1			***					
valve downs amine was re supervision a mechanical e	tream of the eleased to th and the spill equipment s	pressure cont e ground and response wen uch as vaccun	rol valve traveled in t into effe trucks an	n Taken.* Outsi on Train 8 flash g n a southerly direct. Contractors and a dackhoe load	as contaction east	ctor was appi t of the heate	ox half way open rs on Train 8. Op	. It is es erator ir	stimated the	nat approx 25 y closed the	-30 bar valve, n	rrels of notified		
Operations of truck remove release locat facility. Plea Additionally	group dispated approximition, which vase see the areast all ball val	ately 15 barre vas Thursday ttached photo ves at this pla	ctor with a ds of amin evening, J s to see the nt shall ha	n vacuum truck an ne liquid. The exc uly 5, 2012. App e impacted area an nve plugs installed	eavation or croximate nd associ l as a sec	continued un ely 54 yards o iated cleanup ondary leak p	til all visual staini of amine contamir orevention mecha	ing and on ated wa	odor of am is hauled t prevent th	nine was remote an OCD petits from occur	oved fromitted	om the I landfarm the future.		
regulations a public health should their or the enviro	all operators n or the envi operations h onment. In a	are required to ronment. The ave failed to a	o report ar acceptance adequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 repo investigate and r otance of a C-141	elease no ort by the emediate	otifications a NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a three the operator of the	etive acti eport" d eat to gr responsi	ons for re oes not re ound wate bility for o	leases which lieve the open er, surface wa compliance w	may er rator of iter, hur vith any	ndanger liability man health		
Signature:	Dal						OIL CON		\wedge	DIVISIO	<u>N</u>	M.		
Printed Nam	e: Aaron D	ailey			/	Approved by	Environmental S	pecialist	po	ant)	Kl			
Title: Enviro	onmental Sc	ientist	-		1	Approval Dat	e: 1/20/2	012-1	Expiration	Date:				
E-mail Addr	ess: amdaile	y@eprod.com	1			Conditions of	Approval:			Attached				
Date: 7.9.20				599-2286			,		00/					
* Attach Addi	itional She	ets If Necess	ary			ns	K 1220	130	776					

MASSIFIA OF ANDIR BARBARA WAS 1"-3"

BELOW SERVE SURFACE.









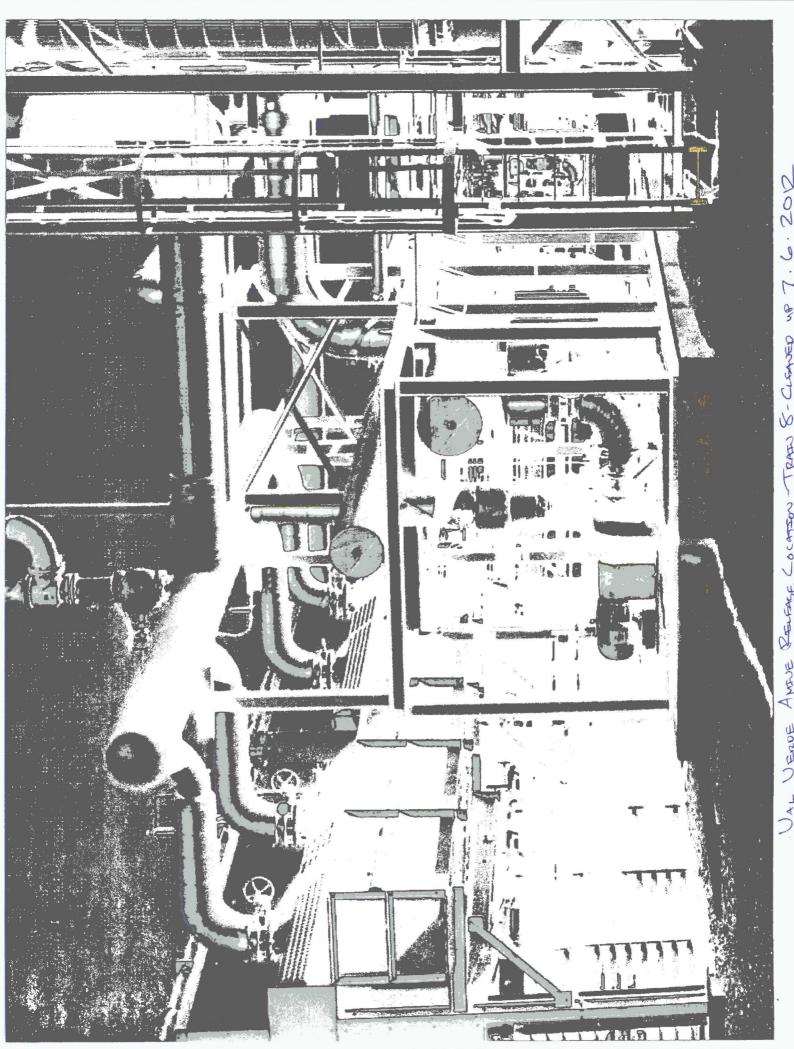
PRISONERED PARTALLY OPEN

(PHOTO TAKEN 7.2.202 @ 06:30)





.6.2012



8-CLEAVED AMENE VERDE

I VERDE AWNE PRICASE LOCATION - CLEANED

6.2012



VAL VERDE TRAFU & RELEASE LOCATION - CLEAPED NA T. 6. 2

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

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

Form C-138 Revised 08/01/11

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Enterprise Products Operating, L.P., 614 Reilly Avenue, Farmington, NM 87401
2. Originating Site: Val Verde Gas Treating Facility
3. Location of Material (Street Address, City, State or ULSTR): Sec 14/T29N/R11W, Lat 107.9820W Lon 36.7327N, 1119 County Road 4900, Bloomfield, NM 87413
4. Source and Description of Waste: Source: Amine train 8 Description: Exempt amine stained soil from release cleanup activities Estimated Volume 60 yd3 / bbls Known Volume (to be entered by the operator at the end of the haul) yd3 / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I,Aaron Dailey, representative or authorized agent forEnterprise 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, , representative for Enterprise Products authorize JFJ/IEI to complete
Generator Signature
the required testing/sign the Generator Waste Testing Certification.
I, 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



Customer Signature

Industrial Ecosystems Inc. #49 C.R. 3150 • Aztec, NM 87410

Phone: 505-632-1782 • Fax: 505-632-1876

Unit: 935
Employee: Due Foute 3
Contact: aron Daily
Data: 7-10-12

☐ Jicarilla Apache Land ☐	Southern	Ute Land		O		JA 1 506
LABOR		HREZUNITS		SI/AYEE		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	3) 42000.1		Day	\$	Per day	\$
SCBA Refill	42000.1		Each	\$	Per Refill	\$
LEL,O2,H2S 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		1-10-44 CAP 04		1.45 P. C. C. C.		Property of the second
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		(1) A (1) A (4)	- The St.			
Soap/Degreaser			Gallons	\$	Per gallon	\$
Virgin Soil/Gravel	45500.2		Cubic yard	\$	Per yard	\$
DISPOSAL & MISC.			A MARKET			
Disposal Fee (solids)	44000.2	54	Cubic yard	\$ 1850	Per yard	\$0000
Disposal Fee (liquids)	44100.2		Per barrel	\$	Per barrel	\$
Facility Use Fee	42000.2		Each	\$	Each	\$
4	1 <	. 1			Sub Total	INUDA
Comments:	100	<u> </u>			(ax) with	1,017,00
·					Total	
Employee Signature						

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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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Form C-141

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.

			Rele	ease Notific	cation	and Co	rrective A	ction	l					
					OPE	RATOR		⊠ In	itial Repo	rt		Final Repor		
		nterprise Fie				Contact Aa								
		venue, Farm					No. (505)599-22							
Facility Na	ne Latera	C-11 Gathe	ring line			Facility Type Natural Gas Gathering Pipeline								
Surface Ow	ner Navai	o Allotment		Mineral (Owner	er Navajo API No.								
Surface O W	ner maraj	O / Informent				· · · · · · · · · · · · · · · · · · ·								
				LOC		N OF RE	LEASE							
Unit Letter I	Section 10	Township 27N	Range 9W	Feet from the	North	South Line	Feet from the	East/V	West Line	County San Juan				
			Latitude	N36.5866 L	ongitu	de_W107.70	677 (Decimal D	egrees)		L				
				NAT	TURE	OF REL	EASE							
Type of Rele	ase Natural	Gas Condens	sate		1	Volume of	Release Unknown ic soil impacts	vn	Volume I	Recovered N	one			
Source of Re	lease Natur	al gas gatheri	ng pipelin	e		Date and I- Unknown	lour of Occurrence	e		Hour of Disc 12 @ 15:00 h		/		
Was Immedi	ate Notice (Yes [] No 🛛 Not R	equired	If YES, To Whom?								
By Whom?						Date and Hour If YES, Volume Impacting the Watercourse. RCVD DEC 31 12								
Was a Water	course Read		Yes 🗵] No		If YES, Ve	olume Impacting t	the Wate	ercourse.		31	There is a second of the secon		
If a Watercou										DIST				
							tacted Enterprise perform lock out							
Upon repairs soil samples	it was note from the sport with agency	oil pile and wa	cal impact	s have affected so excavation. Furt	her asse	ssment will b	. A third party en e conducted in or action report sum	der to ef	ffectively re	emediate the	locati	on in		
I hereby certi regulations a public health should their cor the environ	fy that the i ill operators or the envir operations h nment. In a	are required to conment. The ave failed to a	o report an acceptant adequately OCD accep	nd/or file certain the of a C-141 reprinted investigate and	release n ort by th remediat	otifications a e NMOCD m te contaminat	knowledge and und perform correct parked as "Final Rights on that pose a three the operator of	ctive act deport" of reat to g respons	tions for rel does not rel round wate sibility for c	leases which lieve the oper or, surface was compliance w	may e rator c ater, he with ar	endanger of liability uman health		
Signature:	_/	n					OIL CON	SERV	ATION	DIVISIO	<u>N</u>	· /		
Printed Name	e: Matt Mar	та				Approved by	Environmental S	pecialis	st: Jones	#6).	Ke	lly		
Title: Senior	Director, E	nvironmental				Approval Da	te: V13/20	(3)	Expiration	Date:		0		
E-mail Addre				21.660		Conditions o	f Approval:			Attached				
	-26-20		e: (713)38	31-6684			NI a f		2 0 10-					
Attach Addi	nonal Shee	ts II Necess	ary				nJK 130	023	5 3190	5				

5

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; barmenta@eprod.com; Ashenfelter, Brett; Bliss, Benny; Booth, Brian; Booth, Brian; begahagan@eprod.com; Spencer, Brian; Gibson, Bill; Hergemueller, 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; cilord@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; Roever, 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; Cryblskey, 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, Randell; 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; Mischefsky, 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 Rep									
Name of Co	mpany E	nterprise Pro	ducts			Contact Aaron Dailey									
		venue, Farm		7401	7	Telephone No. (505) 599-2286									
Facility Nar						Facility Type Pipeline									
					-										
Surface Ow	ner BLM			Mineral O	wner E	BLM			Lease N	lo.					
				LOCA	TION	ON OF RELEASE									
Unit Letter SW/4 SW/4	Section 5	Township 27N	Range 8W	Feet from the	North/S	South Line	Feet from the	est Line	st Line County San Juan						
			Latitu	de_N36deg36' NAT		_ Longitu	_	2'32.33'		OIL CONS	. DIV				
Type of Rele						Volume of	Release 80.54 l	MCF	Volume F	Recovered N	bne				
Source of Re	lease 12"	Pipeline					our of Occurrence	e		Hour of Disc					
XX7 X 11	. N	7: 0					@ 18:00 hours		Gas loss o	calculated on	11.18	.2011			
Was Immedia	ate Notice (Yes	No Not Re	quired	If YES, To	whom?								
By Whom?						Date and H									
Was a Water	course Read	ched?	Yes 🛛	No		If YES, Vo	lume Impacting t	he Wate	rcourse.						
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	k											
Technician re contractor wa Describe Are Approximate and confirma district office I hereby certi	esponded by as on site for a Affected by 30 yards tion samplify once this r	blowing the repairs in and Cleanup A of contaminating was compleport is completed information gith a complete of the complete	pipeline do n order to Action Take ted soil was eted by a telete. ven above	s hauled to an OC hird party environ	l association samp	atted wells and bling. atted landfarr contractor. The best of my	n. Clean replacen hird party environ knowledge and u	made or	was broug report will	ht in once the be submitted want to NMC	e leak d to the	was repaired e local			
public health should their or or the environ	or the envi operations h nment. In a	ronment. The ave failed to a	acceptance adequately OCD accep	nd/or file certain rece of a C-141 report investigate and restance of a C-141 r	rt by the mediate	NMOCD m contaminati	arked as "Final Re on that pose a thre	eport" do	oes not reli ound water	eve the oper , surface wa	ator of ter, hu	liability man health			
Signature:	1	and I) 2)	A	OIL CONSERVATION DIVISION Approved by District Supervisor:									
Printed Name	: Aaron D	ailey					. /	V)				
Title: Field I	Environmen	tal Scientist			A	Approval Date: 1/10/2012 Expiration Date:									
E-mail Addre	ess: amdaile	ey@eprod.com	1			Conditions of Approval: Attached									

Date: 11.21.2011 Phone: (505) 599-2286

* 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

OIL CONS. DIV.

SMA Reference # 5120957 BG 30

Date Discovered: 10/4/2011

Reported by: Enterprise Personnel

Reported to: Enterprise Field Environmental Representative, Aaron Dailey

DIST. 3

Date Reported: 11/12/2011 SMA Mobilized: 11/17/2011

Enterprise Representative: Scott Cassida

Description: Gathering line release due to corrosion

Contractor: IMI

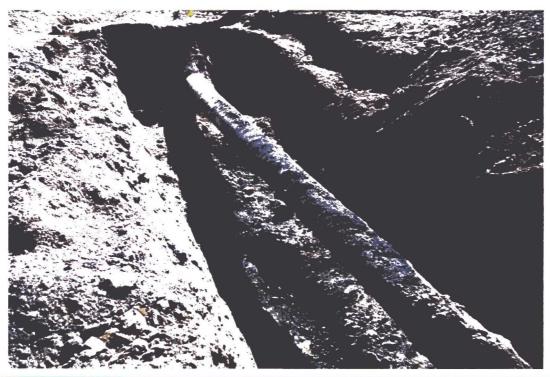
Released Liquids: Natural Gas Liquids and Water

Approximate Volume of Contaminated Soil in Cubic Yards: 50 yd³ hauled

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

NM

Liquids: No liquids were recovered.



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



SMA

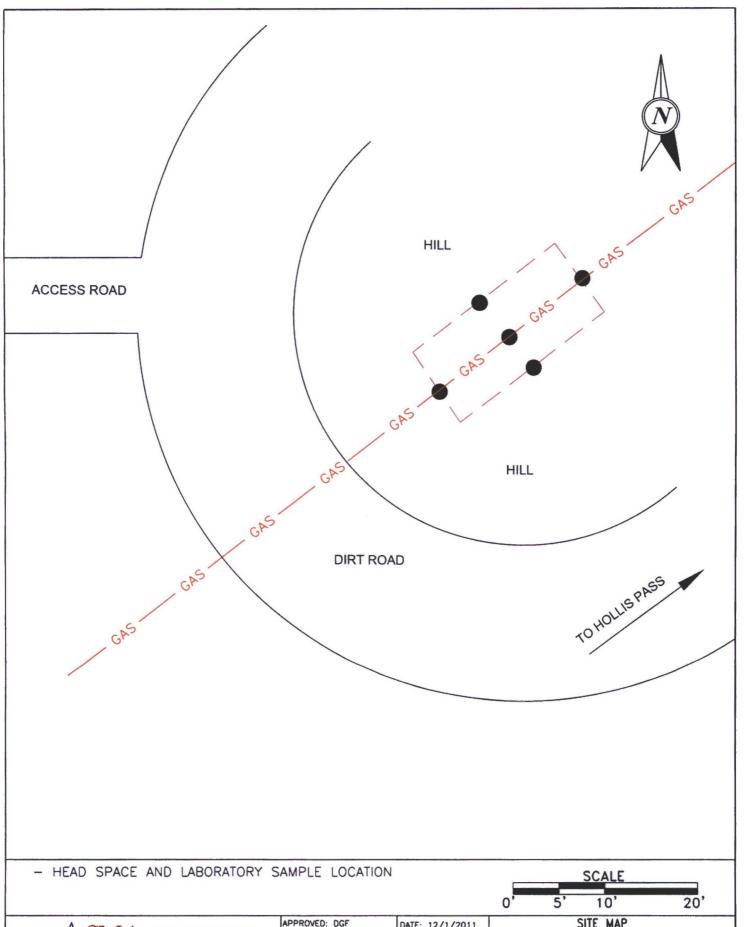
Civil / Businessand Schembing & Employees

8101 SAN JUAN BIND Parmington, NM 57401

74% (666) 927-1483 78. (666) 926-6667

APPROVED: COF	DATE 12/1/2011
DRAIN ST: TLONG	QAME: 12/11/2010
MENGIONE EV:	ONTE:
PROJECT () 3120067	FIGURE: 1

Wicking Map Laiteral D-9 SW SW Section 5 12711 rew San Juan County, New Mexico



SMA
Civil / Environmental
Scientists & Engineers

2101 SAN JUAN BLVD FARMINGTON, NM 87401

FAX (505) 327-1496 PH. (505) 325-5687

APPROVED: DGF	DATE: 12/1/2011
DRAWN BY: TLONG	DATE: 12/1/2011
REVISIONS BY:	DATE:
PROJECT # 5120957	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

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

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

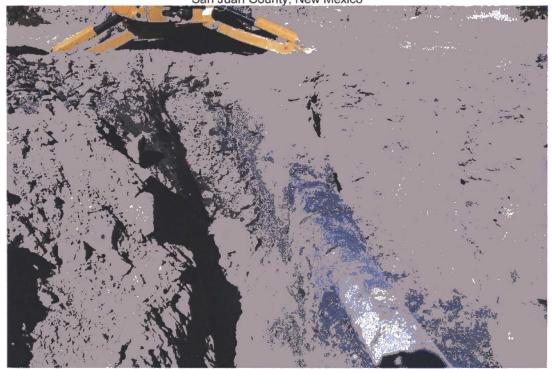


Photo 1: View of the excavation around the pipeline.



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.

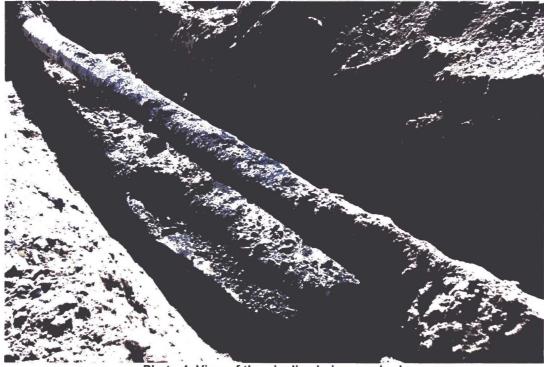


Photo 4: View of the pipeline being repaired.



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

Dear Tom Long:

Order No.: 1111786

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 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

Date: 30-Nov-11
Analytical Report

CLIENT:

Souder, Miller and Associates

1111786

Lab Order: 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
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					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
EPA METHOD 8015B: GASOLINE RAI	NGE					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
EPA METHOD 8021B: VOLATILES						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

Date: 30-Nov-11 **Analytical Report**

CLIENT:

Souder, Miller and Associates

Lab Order:

1111786

Client Sample ID: Bottom @ 4'

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

Result	PQL	Qual	Units	DF	Date Analyzed
E ORGANICS					Analyst: JB
110	9.9		mg/Kg	1	11/23/2011 8:31:48 AM
59	50		mg/Kg	1	11/23/2011 8:31:48 AM
96.9	77.4-131		%REC	1	11/23/2011 8:31:48 AM
ANGE					Analyst: RAA
45	4.8		mg/Kg	1	11/28/2011 2:19:04 PM
204	75.2-136	S	%REC	1	11/28/2011 2:19:04 PM
					Analyst: RAA
0.082	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
1.1	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
0.56	0.048		mg/Kg	1	11/28/2011 2:19:04 PM
6.5	0.097		mg/Kg	1	11/28/2011 2:19:04 PM
126	80-120	S	%REC	1	11/28/2011 2:19:04 PM
	96.9 96.9 96.9 0.082 1.1 0.56 6.5	110 9.9 59 50 96.9 77.4-131 ANGE 45 4.8 204 75.2-136 0.082 0.048 1.1 0.048 0.56 0.048 6.5 0.097	110 9.9 59 50 96.9 77.4-131 ANGE 45 4.8 204 75.2-136 S 0.082 0.048 1.1 0.048 0.56 0.048 6.5 0.097	### Description of the image of	### Description of the image of

Qualifiers:

- Value exceeds Maximum Contaminant Level
- E Estimated value
- 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

Date: 30-Nov-11 **Analytical Report**

CLIENT:

Souder, Miller and Associates

Lab Order: Project:

Lab ID:

1111786

Client Sample ID: North Wall

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

Enterprise Lateral D-9 1111786-03

Date Received: 11/18/2011

Matrix: SOIL

Lab Lo.						
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					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
EPA METHOD 8015B: GASOLINE RA	NGE					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
EPA METHOD 8021B: VOLATILES						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

Date: 30-Nov-11
Analytical Report

CLIENT:

Souder, Miller and Associates

Lab Order:

1111786

Enterprise Lateral D-9

Project: 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	sult PQL Qual Units		DF	Date Analyzed	
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					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
EPA METHOD 8015B: GASOLINE RAN	IGE					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
EPA METHOD 8021B: VOLATILES						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

Page 4 of 5

Date: 30-Nov-11
Analytical Report

CLIENT:

Souder, Miller and Associates

Lab Order:

1111786

Client Sample ID: West Wall

1786

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				
EPA METHOD 8015B: DIESEL RANGE	ORGANICS				***************************************	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				
EPA METHOD 8015B: GASOLINE RAN	IGE					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				
EPA METHOD 8021B: VOLATILES		×				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

Page 5 of 5

QA/QC SUMMARY REPORT

Client:

Souder, Miller and Associates

Project:

Enterprise Lateral D-9

Work Order:

1111786

Analyte	Result	Units	PQL	SPK V	SPK ref	%Rec L	owLimit Hig	ghLimit %RP(RPDLimit Qual
Method: EPA Method 8015B: D	lesel Range								
Sample ID: 1111786-01AMSD		MSD				Batch ID:	29464	Analysis Date:	11/22/2011 12:22:22
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				Batch ID:	29464	Analysis Date:	11/22/2011 9:30:23
Diesel Range Organics (DRO)	ND	mg/Kg	10					41	
Notor Oil Range Organics (MRO)	ND	mg/Kg	50						
ample ID: LCS-29464		LCS				Batch ID:	29464	Analysis Date:	11/22/2011 10:05:03
iesel Range Organics (DRO)	45.73	mg/Kg	10	50	0	91.5	62.7	139	
ample ID: 1111786-01AMS		MS				Batch ID:	29464	Analysis Date:	11/22/2011 11:48:32
Diesel Range Organics (DRO)	60.97	mg/Kg	9.9	49.7	7.527	108	57.2	146	
Method: EPA Method 8015B: G	asoline Ra	nge							
Sample ID: 1111786-01AMSD		MSD				Batch ID:	29440	Analysis Date:	11/29/2011 12:00:16
Sasoline Range Organics (GRO)	66.02	mg/Kg	4.7	23.26	4.42	265	72.4	149 95.4	19.2 SF
ample ID: MB-29440		MBLK			•	Batch ID:	29440	Analysis Date:	11/28/2011 12:20:47
Basoline Range Organics (GRO)	ND	mg/Kg	5.0						,
ample ID: LCS-29440		LCS				Batch ID:	29440	Analysis Date:	11/28/2011 11:23:04
asoline Range Organics (GRO)	29.54	mg/Kg	5.0	25	0	118	86.4	132	
ample ID: 1111786-01AMS		MS				Batch ID:	29440	Analysis Date:	11/28/2011 11:31:28
Sasoline Range Organics (GRO)	23.37	mg/Kg	4.8	23.81	4.42	79.6	72.4	149	
lethod: EPA Method 8021B: V	olatiles								
Sample ID: 1111786-02AMSD		MSD				Batch ID:	29440	Analysis Date:	11/29/2011 12:57:51
Benzene	1.122	mg/Kg	0.048	0.963	0.0816	108	67.2	113 19.9	14.3 R
oluene	1.574	mg/Kg	0.048	0.963	1.096	49.6	62.1	116 8.84	15.9 S
thylbenzene	1.336	mg/Kg	0.048	0.963	0.5609	80.4	67.9	127 1.26	14.4
ylenes, Total	5.952	mg/Kg	0.096	2.89	6.47	-17.9	60.6	134 4.05	12.6 S
ample ID: MB-29440		MBLK				Batch ID:	29440	Analysis Date:	11/28/2011 12:20:47
lenzene	ND	mg/Kg	0.050						
oluene	ND	mg/Kg	0.050						
thylbenzene	ND	mg/Kg	0.050						
ylenes, Total	ND	mg/Kg	0.10						
ample ID: LCS-29440		LCS				Batch ID:	29440	Analysis Date:	11/28/2011 11:51:58
enzene	1.153	mg/Kg	0.050	. 1	0.0219	113	80	120	
oluene	1.165	mg/Kg	0.050	1	0.0221	114	80	120	
thylbenzene	1.165	mg/Kg	0.050		0.0236	114	80	120	
ylenes, Total	3.518	mg/Kg	0.10	3	0.0731	115	80	120	
ample ID: 1111786-02AMS		MS				Batch ID:	29440	Analysis Date:	11/29/2011 12:29:04
enzene	0.9188	mg/Kg	0.049		0.0816	85.8	67.2	113	
oluene	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	
(ylenes, 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

Page 1

Sample Receipt Checklist

Client Name SMA-FARM		Date Receive	ed:	11/18/2011
Work Order Number 1111786		Received by	r: AT	
Checklist completed by: Signature Matrix: Carrier na	ame: FedEx	Sample ID I	abels checked by:	Policials
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 🗆		Number of preserved
Water - VOA vials have zero headspace? No VOA vials	submitted 🗹	Yes	No 🗆	bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes	No 🗆	N/A 🗹	
				<2 >12 unless noted
Water - pH acceptable upon receipt?	Yes 🗌	No 🗆	N/A 🗹	
Water - pH acceptable upon receipt? Container/Temp Blank temperature?	Yes □ 1.4°	<6° C Acceptal	ble	below.
			ble	
Container/Temp Blank temperature?		<6° C Acceptal	ble	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted:	1.4°	<6° C Acceptal	ble	
Container/Temp Blank temperature? COMMENTS:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted: Contacted by: Regarding:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted: Contacted by: Regarding:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted: Contacted by: Regarding:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted: Contacted by: Regarding:	1.4°	<6° C Acceptal	ole at time to cool.	
Container/Temp Blank temperature? COMMENTS: Client contacted Date contacted: Contacted by: Regarding:	1.4°	<6° C Acceptal	ole at time to cool.	
Comments:	1.4°	<6° C Acceptal	ole at time to cool.	

C	hain-	of-Cu	stody Record	Turn-Around	Time:								_						MIT		
Client:	SW			Standard	□ Rush					-									NT \TC		
		,				ieral D-9										al.co		N.	110)K	•
Mailing	Address	: 2101	San Juan Blud.	Entert	orise Lan	erat 15-7		400	14 11	awki								109			
			B7401	Project #:						5-34							410				
			7535	5	120957			16	1. 50	3-34	0-38	V				uest					
email o	r Fax#: t	om.long	e Soudermiller. Com	Project Mana	ger:			<u>S</u>	(F)		П									Т	Т
	Package:			1 -	Thomas Lo	ng	(8021)	s on	Dies					S, ⁴	PCB's						
☑ Stan	dard		□ Level 4 (Full Validation)				s (8	(Ga	3as/					8	2 PC						
Accred				Sampler: 7			TMB's	BTEX-+-MEBE-+ TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	€	=	Ŧ		Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082						î
□ NEL		□ Othe	er	i Significes - Villings - 12 No.			+	4	8015	418	50	PA	2	Š	es/		(A)				Y or
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Date Time Matrix Sample Request I	Sample Request ID	Container	Preservative	THEAL No.2	+ >	<u></u>	Met	Met	Me	F S	A 8	IS (F	Pes	S S	(Se				lqqn		
			Jampio Maquot 15	Type and #	Туре	Market Signature	BTEX	El.	핆	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	viol	081	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
1/17/11	1140	Soil	South wall	141)02 Jor	7CE	- I	Ш	<u>~</u>	7		-	8	-	Q	8	80	80		+	+	+
1-11	1205		Bottone 4'			-2		7	V	\neg	\dashv	\neg					Н		+	+	+
+	1810		North Wall	7		-7		F	V		\dashv								+	+	+
-	1220		East Wall			-4)		7	\$	\neg	\dashv						\vdash		\top	\top	+
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	f necessary.	samples sub	mitted to Hall Environmental may be subc	ontracted to other ac	credited laboratorie	s. This serves as notice of this	possil	nility A	nv su	b-cont	racted	data	will be	door	v nota	ted on	the a	nalutics	al ropor		