

Release Report/ General Correspondence

Enterprise SJ

Date: Jan-Mar 2014

State of New Mexico Energy Minerals and Natural Resources

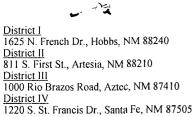
1220 S. St. Fran	cis Dr., Sant	a Fe, NM 87505	>	Sa	anta F	e, NM 875	05					
			Rel	ease Notifi	catio	n and Co	orrective A	ction				
						OPERA	ГOR	Σ	Initi	al Report		Final Repor
Name of Co	····					Contact: Th						
Address: 6				87401			No. 505-599-22		1			
Facility Nar							e: Meter Tube					
Surface Ow	ner: Priva	ite		Mineral (Owner:	BLM			API No	o		
4				LOCA	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/We	st Line	County		
C	30	30N	8W							San Juan		
		Lati	tude	36.78623		Longitud	e -107.71744	1				
		Lati	tuut					<u> </u>				
Tuna of Pala	Dear Natur	al goo/Mathan	ol/Condor	NA'I		OF REL	EASE Release: Unkno			Recovered		·
				r run/Methanol T			Iour of Occurrent				covery	: 12/17/2013
							<u>3 @ 10:12 a.m.</u>		v 10:12			<u> </u>
Was Immedia	ite Notice (Yes [] No 🗌 Not R	eauired	If YES, To	Whom? Brando	n Powell N	MOCD			
By Whom?	Thomas Lo						Iour 12/17/2013	4:02 p.m.		RCOD J	ME	14
Was a Water		ched?		7			olume Impacting		ourse.	DIL CON	IS. DI	
			Yes 🛛	No						DIST	1.3	
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	*.		l						
Describe Are	a Affected	and Cleanup /	Action Tal	xen.*								
Natural gas/ completed on	Methanol/C December	ondensate liq 21, 2013. Ap	uids/Paraf oproximat	fin impacted an a ely 50 cubic yards red landfarm. A "	s of imp	acted soil and	approximately 7	barrels of	water an	id soil (hydro	o excav	ation
regulations al public health should their c	l operators or the envi operations h ument. In a	are required t ronment. The ave failed to a ddition, NMC	o report a acceptan adequately DCD accept	e is true and comp nd/or file certain ce of a C-141 rep v investigate and i ptance of a C-141	release r ort by th remedia	notifications a ne NMOCD m te contaminati	nd perform corre- arked as "Final R on that pose a thr	ctive action Report" doe reat to grou	ns for rel is not rel ind wate	leases which ieve the oper r, surface wa	may er rator of ater, hu	ndanger f liability man health
	/		NT	ALL			OIL CON	ISERVA	TION	DIVISIC	<u>)N</u>	
Signature:	(_	4L'	Nu	LA					`	$ \land $	<i>)</i> `	
Printed Name	Forry L.	Hurlburt				Approved by	Environmental S	Specialist:	Jona	th)-9	Kelly	γ
Title: Group	Sr. Vice Pr	resident				Approval Da	te: 6/18/20	544 Ex	pilation	Date:	()
E-mail Addre	ess: snolan	@eprod.com		<u> </u>		Conditions o	f Approval:			Attached		
	1/2013	Phone: 713		5			· · · · · · · · · · · · · · · · · · ·					
Attach Addi	nonal She	ets II Necess	sai y				NES /	41693	3020	96		
						(Nes "	433	85 3	3136	>	

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

> Oil Conservation Division 1220 South St. Francis Dr.

1220 S. St. Fran	cis Dr., Santa	i Fe, NM 87505	5	Sa	inta Fo	e, NM 875	05			
			Rele	ease Notific	catio	n and Co	orrective A	ction		· ·
						OPERA '	ГOR	[🛛 Initia	al Report 🔲 Final Report
Name of Co	mpany: E	nterprise Fie	eld Servio	ces LLC		Contact: TI	nomas Long			
Address: 6	4 Reilly A	ve, Farming	gton, NM	87401		Telephone 1	No. 505-599-22	86		
Facility Nat	ne: Bland	co 30-12 #1	005			Facility Typ	e: Well Site – I	Meter T	ube/Mete	er Run
Surface Ow	ner: Priva	te		Mineral C)wner:1	BLM			API No).
						N OF RE	LEASE			
Unit Letter O	Section 10	Township 30N	Range 12W	Feet from the		/South Line	Feet from the	East/W	est Line	County San Juan
		La	titude	<u>36.8229</u>		_Longitud	e <u>-108.0846</u>			*
				NAT	URE	OF REL	EASE			
		l gas and pos		ciated liquids			Release: 32mcf		Volume F	Recovered: To be determined
Source of Re	lease: Natu	ral gas gather	ing pipeli	ne			lour of Occurrenc 3 @ 6:00 p.m.	e:	Date and (a) 6:00 p	Hour of Discovery: 12/14/2013 .m.
Was Immedi	ate Notice C		Ves 🛛] No 🗌 Not R	equired	If YES, To				
By Whom? T	homas Lon					Date and H	lour			KCVD JAN 2'14
Was a Water		hed?					olume Impacting t	the Water		OIL CONS. DIV.
		Ľ	Yes 🛛	No						DIST. 3
		pacted, Descr								
of the product company not the location t the gaskets a Third party e	tion compa- ified the En o investigat nd orifice pl nvironment	ny shut in the terprise meas e and repair the ate and put the al contractor	meter run urement d he problem ne meter ru will overse	and stopped the epartment on 12/1 n. A gasket in the in back in service we remediation act	leak at a 5/2013 orifice Appro tivities a	bout 6:00 PM at approxima flange had blo ximately 32 s and collect clo	I. They estimate the tely 8:20 AM. An own out due to liq quare feet of soil osure samples.	he leak la Enterpri uids free: was stain	isted abour ise measur zing in pip ed from re	er's well location. An employee t 1.5 hours. The production rement supervisor responded to bing a meter tube. He replaced eleased water and condensate.
				cen.* Approxim on activities and c				l from rel	eased wat	er and condensate. Third party
I hereby certi regulations a public health should their o or the enviro	fy that the i ll operators or the envir operations h mment. In a	nformation g are required t ronment. The ave failed to	iven above o report and acceptance adequately OCD accept	e is true and comp nd/or file certain r ce of a C-141 repo investigate and r	elete to t elease r ort by th emediat	he best of my notifications a le NMOCD m te contaminat	knowledge and u nd perform correc arked as "Final R on that pose a thr	ctive action eport" do reat to gro	ons for releases not reliable water	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
Signature:	$\langle \rangle$	$\left\{ \begin{array}{c} - \\ - \\ - \end{array} \right\}$					<u>OIL CON</u>	<u>SERV</u>	ATION	DIVISION
Printed Name	e: Jon E. Fi	elds				Approved by	Environmental S	pecialist:	Lon	Shirt
Title: Directo	or, Field Env	vironmental				Approval Da	te: 5/6/14	4 E	xpiration	Date:
E-mail Addr	ess: jefields	@eprod.com				Conditions o	f Approval:			Attached
Date: 12/20				one: 713-381-668	34			<u>.</u>		·
* Attach Addi	tional Shee	ets If Necess	sary			# NO	5 1411 2	62	6966	2



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State of New Mexico Energy Minerals and Natural Resources

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

D 36 30N Type of Release: Natural gas	orise Field S Farmington, M D #5A	ervices LLC NM 87401 Mir Lage Feet from	neral Owner:E	OPERA Contact: T Telephone Facility Typ 3LM N OF RE	DIFFECTIVE A TOR homas Long No. 505-599-22 de: Well Site/Ma	⊠ Init 286	tial Report 🔲 Final R
Address: 614 Reilly Ave, Facility Name: EPNG CO Surface Owner: BLM Unit Letter Section D 36 Jone 30 Type of Release: Natural gas	Farmington, M D #5A vnship Rat 8 8W	NM 87401 Mir Lage Feet from	neral Owner:E	Contact: T Telephone Facility Typ BLM N OF RE	nomas Long No. 505-599-22	86 eter Tube	
Address: 614 Reilly Ave, Facility Name: EPNG CO Surface Owner: BLM Unit Letter Section D 36 Jone 30 Type of Release: Natural gas	Farmington, M D #5A vnship Rat 8 8W	NM 87401 Mir Lage Feet from	neral Owner:E	Telephone Facility Typ BLM N OF RE	No. 505-599-22	eter Tube	
Facility Name: EPNG CO Surface Owner: BLM Unit Letter Section D 36 Jone Type of Release: Natural gas	M D #5A	Mir L nge Feet from	neral Owner:E	Facility Typ BLM N OF RE		eter Tube	
Surface Owner: BLM Unit Letter Section D 36 Joint 30 Type of Release: Natural gas	vnship Rai N 8W	L nge Feet from	neral Owner:E	BLM N OF RE	be: well Site/Me		
Unit Letter Section Tov D 36 30N Type of Release: Natural gas	81	L nge Feet from	OCATIO	N OF RE		APIN	,
D 36 30N	81	nge Feet from					0.
D 36 30N	81	<u> </u>	n the North/		LEASE	,	
Type of Release: Natural gas		/	1	South Line	Feet from the	East/West Line	
	Latitude						San Juan
		36.77370	I	Longitud	e -107.63242	I	
			NATURE			·· · ·	
	and condensa				Release: 45 mcf	Volume	Recovered: To Be Determine
Source of Release: Equipmen				Date and I	lour of Occurrenc		d Hour of Discovery: 1/2/201
					<u>ð 3:10 p.m.</u>	@ 3:10	p.m.
Was Immediate Notice Given	? 🛛 Yes	No 🗌	Not Required		Whom? Jonatha ndon BLM	n Kelly NMOCD,	Brandon Powell NMOCD;
By Whom? Thomas Long					lour: 1/3/2014 @		
Was a Watercourse Reached?	□ Ye	s 🛛 No		If YES, Ve	olume Impacting t	he Watercourse.	
If a Watercourse was Impacte Describe Cause of Problem an						· · · · · · · · · · · · · · · · ·	
							OIL CONS. DIV. DIST. 3
Describe Area Affected and C A release from meter tube due affected. The well was isolate remediation activities and coll submitted upon receipt of the	to equipment d and LOTO ected closure	t failure at the w (lock out tag ou samples on 1-10	t) was applied.	The well sit	e was secured. Th	nird party environ	y 1,900 square feet was mental contractor oversaw cility A "final" c-141 will b
I hereby certify that the inform regulations all operators are re- bublic health or the environme should their operations have fa or the environment. In additic federal, state, or local laws and	quired to repo nt. The accep illed to adequ n, NMOCD a	ort and/or file ce ptance of a C-14 ately investigate acceptance of a (rtain release no 1 report by the 2 and remediate	otifications and NMOCD meteoretee the second	nd perform correc arked as "Final Ro on that pose a thre e the operator of r	tive actions for re eport" does not re eat to ground wate responsibility for	leases which may endanger lieve the operator of liability er, surface water, human health compliance with any other
	11				<u>OIL CONS</u>	SERVATION	DIVISION
Signature: Chr Tin	kA					/	$ \leq$
Printed Name: Jon Fields				Approved by	Environmental Sp	pecialist:	Smil
Fitle: Sr. Director, Environme	ntal		/	Approval Dat	e: 9/4/14	Expiration	Date:
E-mail Address: : jefields@er :	orod.com		0	Conditions of	۲ Approval:		Attached
Date: 1-16-2014		none: (713)381-(
Attach Additional Sheets If	Necessary		4	thes.	142 474	19347	

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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1220 S. St. Ffan	icis Dr., Sand	a re, Nivi 87503)	S	anta I	Fe, NM 875	505					
			Rele	ease Notifi	catio	on and Co	orrective A	ction				
						OPERA	ГOR		🛛 Initia	al Report		Final Repor
Name of Co	ompany: E	Interprise Fie	eld Servi	ces LLC		Contact: Th	iomas Long					^
Address: 6	14 Reilly A	Ave, Farming	gton, NM	87401		Telephone 1	No. 505-599-22	86				
Facility Nat	me: Howel	1 M#1A We	ll Site			Facility Typ	e: Well Site M	eter Ru	n/Meter T	`ube		
Surface Ow	mer: BLM			Mineral (Dwner	:BLM	<u> </u>		API No			
				I		ON OF RE						
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	East/V	Vest Line	County		
Μ	31	30N	8W							San Juan		
L	l	La	titude	36.7623		Longitud	e <u>-107.7178</u>	I		<u> </u>		
				NAT	TIRI	E OF REL						
Type of Rele	ase: Natura	I gas and con	densate lie				Release: 62 mcf	·	Volume I	Recovered:	Appro	oximately 70
									cubic yar			
		ral gas meter	tube/mete	r run		12/13/2013	lour of Occurrenc 3 @ 10:00 a.m		@ 10:00		cover	y: 12/13/2013
Was Immedi	ate Notice (Yes 🗌] No 🗌 Not R	equire		Whom? Brandor	1 Powell	NMOCD			
By Whom?	Thomas Lo	ng				Date and H	lour 12/16/2013 7	7:16 a.m.		PCUD TAN	1211	14
Was a Water	course Read			_		If YES, Vo	olume Impacting t	the Wate		JIL CONS		
			Yes 🛛	No						DIST.	3	
If a Watercou	urse was Im	pacted, Descr	ibe Fully	*								
					luction	company lease	operator discove	ered gas	leaking fro	m a meter ti	ube fla	ange. The
lease operato	or closed the	upstream and	l downstre	am valves to stop	the le	ak. The leak w	as due to a failed	orifice fl	ange gask	et. LOTO w	as ap	plied.
		•										
Describe Are	a Affected	and Cleanup /	Action Tal	ken.*								
							completed on Dec					
impacted soil	l were dispo	sed of at a NI	MOCD ap	proved landfarm.	A "fir	nal" c-141 will	be submitted once	e correct	tive action	report has b	een co	ompleted.
L hereby certi	ifv that the i	nformation gi	iven above	e is true and com	olete to	the best of my	knowledge and u	Inderstar	d that purs	suant to NM	OCD	rules and
							nd perform correc					
							arked as "Final R					
							on that pose a thr					
		ws and/or rega		stance of a C-141	report	does not reliev	e the operator of	responsi	binty for c	ompliance w	/itn ar	iy other
interioral, state,							OIL CON	SERV	ATION	DIVISIC)N	
	//	8-4	11					~ ¥	<u>^</u>		<u> </u>	N
Signature:	AN	1. Thu	4	····		4			(\ .		N.	N
Printed Nam	e Ion F Fi	elds				Approved by	Environmental S	pecialist	: Yong	\overline{u}	. U	Mr.
T THICU IVAIII							1/10/	11		-1 v -		1
Title: Directo	or, Field En	vironmental				Approval Da	te: [9/18/20	14 1	Expiration	Date:		<u> </u>
E-mail Addr	ess: jefields	@eprod.com				Conditions o	f Approval:			Attached		
Date: 12/20			1	Phone: 713-381-6	684							
Attach Addi		ets If Necess		none. /15-561-0		l			<u></u>	17		
A mach Aug			, <u>, ,</u> ,				VZK	1416	9340	もく		\sim

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State of New Mexico Energy Minerals and Natural Resources

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Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr.

1220 S. St. Fran	cis Dr., Santa	Fe, NM 87505				e, NM 875				
			Rele	ase Notific	catior	and Co	orrective A	ction		
						OPERA	ГOR	🛛 Initi	al Report	Final Report
Name of Co	mpany: E	nterprise Fie	eld Servic	es LLC		Contact: Tl	nomas Long		^	
Address: 6	4 Reilly A	ve, Farming	gton, NM	87401	,	Telephone 1	No. 505-599-22	.86		,
Facility Nar	ne: Lambe	#3M Well	Site			Facility Typ	e: Well Site M	eter Run/Meter	Tube	
Surface Ow	ner: BLM			Mineral C)wner:E	BLM		API No).	
				LOC	TIO	N OF RE	FASE	·····		
Unit Letter J	Section 21	Township 31N	Range 10W	Feet from the	· · · · · · · · · · · · · · · · · · ·	South Line	Feet from the	East/West Line	County San Juan	
		Lati	tude <u>3</u>	6.87996		_ Longitude	e <u>-107.88506</u>			
				NAT	URE	OF REL	EASE			
		l gas and pos					Release: 113 m			To be determined
Source of Re	lease: Natu	ral gas meter	tube/mete	r run			lour of Occurrence			covery: 12/12/2013
Was Immedia	ate Notice C	Given?				If YES, To	3 @ 1:30 p.m Whom?	@ 1:30 p		
			Yes 🗌	No 🖾 Not R	equired					
By Whom?						Date and H	lour		RCVD JF	M2'14
Was a Water	course Read					If YES, Vo	olume Impacting	the Watercourse.	UIL CON	
			Yes 🛛	No					DIST	
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	
when he visit	ed location	to calibrate n	eter. The	technician locked	and tag	ged out mete	r run and replacec ide) of soil stainir		ts. There wa	s not visual damage
An area of a	pproximatel		feet of soi	l staining was ob:				tractor is schedule corrective actions		losure samples ave been completed.
regulations a public health should their o or the environ	Il operators or the envir operations h nment. In a	are required t ronment. The ave failed to a	o report ar acceptanc adequately OCD accep	id/or file certain i e of a C-141 repo investigate and r	elease no ort by the emediate	otifications a e NMOCD m e contaminat	nd perform correct arked as "Final R ion that pose a thr	inderstand that pur ctive actions for rel ceport" does not rel reat to ground wate responsibility for c	eases which ieve the oper r, surface wa	may endanger rator of liability ater, human health
	/	77	Τ.				OIL CON	SERVATION	DIVISIO	<u>DN</u> //
Signature:	h	NC. T	il					\wedge	1	$ \Lambda $
Printed Name	e: Jon E. Fi	elds				Approved by	Environmental S	pecialist:	MD/	Kelly
Title: Direct						Approval Da	te: 6/8/20	H Expiration	Date:	0
E-mail Addro	ess: jefields	@eprod.com				Conditions o	(/ f Approval:		Attached	
Date: 12/20/				713-381-6684				· · · ·	<u> </u>	
Attach Addi	tional She	ets If Necess	ary				nt	K 14169;	3437-	ス

State of New Mexico Energy Minerals and Natural Resources

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.

Form C-141 Revised August 8, 2011

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	5	Sa	anta Fe	e, NM 875	05			
		i	Rele				orrective A	ction		·
						OPERA		_	al Report	Final Report
Name of Co	mpany: F	Interprise Fie	eld Servio	ces LLC		Contact: Th			ai Report	
		ve, Farming		· · · · · · · · · · · · · · · · · · ·			No. 505-599-22	86		
		r LS #6M V						eter Run/Meter	ſube	
	DIM									
Surface Ow	ner: BLM			Mineral C)wner:	3LM		API N	Э.	
				LOCA	TIO	N OF RE	LEASE			
Unit Letter J	Section 27	Township 30N	Range 8W	Feet from the	North	/South Line	Feet from the	East/West Line	County San Juan	
L										
		Latit	ude <u>30</u>	5.78038 <u>5</u>		_ Longitude	e <u>-107.66015</u>	2		
				NAT	URE	OF REL	EASE			
		l gas and pos				_	Release: 113 m			To be determined
Source of Re	lease: Natu	ral gas meter	tube/mete	r run		1	lour of Occurrence			scovery: 12/13/2013
Was Immedi	te Notice (Siven?				12/13/201. If YES, To	3 @ 4:13 p.m	@ 4:13	p.m	
was minicul			Yes 🗌] No 🖾 Not R	equired		whom?			
By Whom?						Date and H	lour		RCVD JA	M 2 1 /
Was a Water	course Read	hed?					olume Impacting	the Watercourse.	OIL CONS	
- 			Yes 🛛	No					DIST.	
				-					61.71,	a 4_F
		pacted, Descr			toohnii	ion nonontad		they had driven a	ato o location	n and discovered a
										plied and the broken
				oximately 10 feet						priod and the broken
-			0 11	5	5	0				
Describe Are	a Affected	and Cleanup	Action Tal	ron *						······
					ved. Th	ird party envi	ronmental contra	ctor is scheduled t	o collect clos	sure samples during
								ive actions and re		
								inderstand that put		
								ctive actions for re eport" does not re		
										ater, human health
or the enviro	iment. In a	ddition, NMC	OCD accept	otance of a C-141	report d	loes not reliev	e the operator of	responsibility for	compliance v	with any other
federal, state	or local lay	ws and/or regi	ilations.							
							<u>OIL CON</u>	<u>SERVATION</u>	DIVISIO	<u> </u>
Signature:	Ch	26 7	4.1	,				1		
Signature.			my			Approved by	Environmental S		H()i)	1
Printed Nam	e: Jon E. Fie	elds				Approved by		pecialist pw	K	Min
Title: Direct	or Field Fr	vironmental				Approval Da	te L/18/201	4 Expiration	Date [,]	Y
The Direct		rionnental				rippioval Da				<u> </u>
E-mail Addr	ess: jefields	@eprod.com		· · · · · · · · · · · · · · · · · · ·		Conditions o	f Approval:		Attached	I []
Date: 12/20/	2013		Dhon	e: 713-381-6684						
Attach Addi		ets If Necess		0. /15-501-0084) 1110	11.02	
							NJX	214169 34	1600	

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division **CONS.** Deputition of the propriate District Office in 1220 South St. Francis Dr. Santa Fe, NM 87505 JUN 16 2014

				S	anta Fe	<u>, NM 875</u>	05 5014 10	2014			
			Rele	ease Notifi	cation	and Co	orrective Acti	on			
						OPERA	ГOR	🛛 Initia	al Report		Final Report
		nterprise Fie					iomas Long				
		Ave, Farming	ton, NM	87401			No. 505-599-2286				
Facility Nat	me: Racha	nel #2	·····		F	Facility Typ	e: Well Site	- ·			
Surface Ow	ner: NAP	I/Navajo Tri	bal	Mineral (Owner:N	API/Nava	o Tribal	API No	. 30-045-2	2285	
				LOC	ATION	OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the		South Line		st West Line	County		
J	34	26N	12W	1458			1010		San Juan		
	l									<u> </u>	
		Latit	ude <u>3</u>	6.441434		_ Longitud	e <u>-108.093404</u>				
					FURE	OF REL			<u></u>		
Type of Rele	ase: Natura	l Gas, Produce	ed Water, a	and Condensate			Release: Estimated	Volume F	Recovered: 7	fo be I	Determined
						2-3 bbls of MCF gas	fluids; Estimated 5				
Source of Re	lease: Equi	pment Damage	2				lour of Occurrence:	Date and	Hour of Dis	coverv	: 5/30/2014
						5/30/2014	@ 11:43 a.m.	@ 12:00	p.m.		
Was Immedi	ate Notice (v m				Whom? Cory Smith -				Safety,
			Yes	No 🗌 Not R	equired		in – NNEPA, Mike Fr			_	<u> </u>
By Whom? Was a Water							lour 5/30/2014 @ 3:0		call and em	ail	
was a water	course Read		Yes 🛛	No		IT YES, VO	lume Impacting the W	atercourse			
If a Watercou	irse was Im	pacted, Descri	be Fully.*				<u></u>				··
herbicide at t the tractor. A water was rel resulted from Describe Are the week of J	he NAPI 46 s a result of leased. The the incider a Affected une 16, 201	57A field wher f the collision, meter tube wa nt. and Cleanup A	the contr the drip o s shut in a action Tak	actor stuck the m n the meter tube nd LOTO was ap en.* An area of a mental contracto	neter hous was broke pplied. Ar approxima	the and meter en and the m in area of app ately 50 feet	114, a NAPI contractor tube located at the Rad eter house was signifi- roximately 50 feet by by 30 feet was affecte tion activities. A "fina	chel #2 well si cantly damage 30 feet was aff d. Remediatic	te with the s d. Natural fected. No f	prayer gas, co fire or i are sch	attached to ondensate and injuries neduled for
tinu party en	i vii onnienta		neeuve a	enon report.							
regulations al public health should their o or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The have failed to a	o report an acceptanc dequately CD accep	d/or file certain i e of a C-141 rep investigate and i	release no ort by the remediate	tifications an NMOCD ma contaminati	knowledge and under ad perform corrective arked as "Final Report on that pose a threat to e the operator of respo	actions for rele " does not reli ground water onsibility for co	eases which eve the oper , surface wa ompliance w	may er ator of ter, hu vith any	ndanger f liability man health
			3				<u>OIL CONSEF</u>	<u>RVATION</u>	DIVISIC	<u>N</u>	
Signature:	A.S						Fusing mantal Suggi		HAD.	///	
Printed Name	e: Ivan Zirb	es			<i>F</i>	Approved by	Environmental Specia		VV V-l		1
Title: Senior	Director, E	nvironmental			^	Approval Dat	e: 6/18/2014	V Expiration I	Date:		
E-mail Addre	ess:iwzirbes	@eprod.com			C	Conditions of	Approval:		Attached		
	- <u>11 _</u>			(713) 381-1753							
Attach Addi	tional She	ets If Necess	ary				nJKI	416941	605	_	\mathcal{A}
							C NCS /	43385	2671	\geq	

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State of New Mexico Energy Minerals and Natural Resources

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

1220 S. St. Fran	cis Dr., Sant	a Fe, NM 87505	5	S	anta Fe	, NM 875	05					
	· · · · ·		Rel	ease Notifi	cation	and Co	orrective A	ction				
						OPERA	ГOR	[Initia	al Report	\boxtimes	Final Report
Name of Co	mpany: E	Enterprise Fie	eld Servi	ces LLC		Contact: Th	nomas Long					
Address: 6	14 Reilly A	Salid Pe, INN 87303 Release Notification and Corrective Action OPERATOR Initial Report Fir Initial Report Initial Report Fir Initial Report Initial Report Fir Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report Initial Report <td co<="" td=""><td></td></td>			<td></td>							
Facility Nar	ne: Morri	s #3 Well Si	te]	Facility Typ	e: Well Site/Me	eter Tube	e			
Surface Ow	ner: BLM	[Mineral (Owner:B	BLM			API No).		
•				LOC	ATION	N OF REI	LEASE					
Unit Letter P	Section · 14			Feet from the	North/	South Line	Feet from the	East/W	est Line	•		
		Lati	itude	36.56912		_ Longitud	e <u>-107.8574</u>					
				NAT	TURE	OF REL	EASE					
Type of Rele						Volume of	Release: 950 M	CF	Volume F	Recovered: 1	None	
Source of Re	lease: Drip	Pot Knock O	ut/RTD of	n a Meter Tube							covery:	1/14/2014
Was Immedia	ate Notice (Yes 🗌] No 🗌 Not R	equired						- NMO	CD
By Whom?	Thomas Lor	Statility F, NM 87303 Release Notification and Corrective Action OPERATOR Initial Report Initial Report OPERATOR Initial Report Statuta Fe, NM 87303 OPERATOR Initial Report OPERATOR Initial Report OPERATOR OPERATOR OPERATOR OPERATOR OPERATOR OPERATOR OPERATOR OPERATOR Application of Selesse 200 OPERATOR APPL Contract: Thomas Long APPL Contract: APPL Contrection: APPL Contract: APPL Contrection: A										
Was a Water		Release Notification and Corrective Action OPERATOR Initial Report Field Services LLC contact: Thomas Long contact: Thomas Long ceilly Ave, Farmington, NM 87401 Telephone No. 505-599-2286 Morris #3 Well Site Facility Type: Well Site/Meter Tube BLM API No. BLM Mineral Owner.BLM API No. LOCATION OF RELEASE County San Juan Latitude _36.56912 Longitude107.8574 NATURE OF RELEASE Natural Gas Volume of Release: 950 MCF Volume Recovered: None Interview of Release: 950 MCF Volume Recovered: None Natural Gas Volume of Release: 950 MCF Volume Recovered: None Interview of Release: 950 MCF Volume Recovered: None Natural Gas Volume of Release: 950 MCF Volume Recovered: None Interview of Release: 950 MCF Volume Recovered: None										
			Yes 🗵] No								
If a Wataraay	maa uuaa Ima	Statula PE, INM 67303 Release Notification and Corrective Action OPERATOR Initial Report Fina Contact: Thomas Long Initial Report Fina Initial Report Contact: Thomas Long IV Ave, Farmington, NM 87401 Telephone No. 505-599-2286 OPERATOR Initial Report Santua Person LM API No. LOCATION OF RELEASE INTOWNOT Relight Colspan="2">County San Juan Latitude 36.56912 Longitude107.8574 NATURE OF RELEASE NATURE OF RELEASE NATURE OF RELEASE Matural Gas Volume of Release: 950 MCF Volume Recovered: None Date and Hour of Occurrence: Date and Hour of Occurrence: Date and Hour of Occurrence: Date and Hour of Cocurrence: Date and Hour of Occurrence: Date and Hour of Occurrence: Date and Hour of Cocurrence: Date and Hour of Cocurrence: <td< td=""><td></td></td<>										
					eter tube	was damaged	t by a boulder rol	ling dowr	the hill r	ext to the w	ell loca	tion
						was damaged		ing down	A			1
									916			01.0
										JAN 27	2014	
Describe Are	a Affected	and Cleanup A	Action Tal	en * No fluids w	ere relea	sed No rem	ediation required					
								nderstand	that purs	suant to NM	OCD ru	les and
					report do	bes not reliev	e the operator of i	responsibl	ility for co	ompliance w	ith any	other
-reading, state,		177					OIL CONS	SERVA	TION	DIVISIO	N	
	C	41	/									
Signature:	AN	Ru 4							$\Lambda <$		VAN	
Printed Name	: Jon Field	s			I	Approved by	Environmental S	pecialist:	Jong	Mr. 1	lly	
						Approval Dat	e: 1/14/2001	4 E>	v piration 1	Date:	E)
E-mail Addre	ss: : jefield	ls@eprod.com	1		(Conditions of	Approval:					
							•			Attached		
	21-14			(713)381-6684								
Attach Addit	ional Shee	ets If Necess	ary				NJKI	4247	500k	51		
									-			

State of New Mexico Energy Minerals and Natural Resources

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

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 8750:)	Sa	anta F	Fe, NM 875	05					
Santa Fe, NM 87505 Release Notification and Corrective Action OPERATOR Initial Report Final Report Name of Company: Enterprise Field Services LLC Contract: Thomas Long Address: 614 Reilly Ave, Farmington, NM 87401 Telephone No. 505-599-2286 Facility Type: Well Site/Meter Tube Facility Name: Atlantic CP1A Well Site Facility Type: Well Site/Meter Tube API No. Surface Owner: Private Mineral Owner:BLM API No. Loc ATION OF RELEASE Unit Letter Section Township Range Surface Of Release: Nature Opena: Colspan="2">Opena: County San Juan Latitude 36.86002 Longitude107.8559 NATURE OF RELEASE Volume Recovered: To Be Determined Date and Hour of Occurrence: Date and Hour of Discovery: 1/8/2014 Mas Immediate Notice Given? If Yes I No IN Not Required Date and Hour: Q4.30 p.m. Q4.30 p.m. By Whon? Thomas Long If Yes IN No IN Required Date and Hour: JAN 2.7 Z014 If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A release from an orifice flange on a meter tube at the Atlantic C#1A well												
						OPERA	ГOR		🛛 Initi	al Report		Final Repor
				87401								
Facility Nar	ne: Atlant	tic C#1A W	ell Site			Facility Typ	e: Well Site/Me	eter Tul	be			
Surface Ow	ner: Priva	ite		Mineral C	Owner	:BLM			API No).		
,				LOCA		N OF REI	LEASE					
Unit Letter	Section	Township	Range					East/V	West Line	County		• • • • • • • • • • • • • • • • • • •
C	35	31N	10W							San Juan		
. <u></u>		L,]						l		
		Lat	itude	36.86002		Longitud	e <u>-107.8559</u>					
				NAT	TURE	E OF REL	EASE					
					vater							
Source of Re	lease: Orifi	ice Flange on	a Meter I	ube	`			ce:			covery	: 1/8/2014
Was Immedia	te Notice C					If YES, To						
			Yes 🗌	No 🛛 Not R	equired					CONS I	d via	IST. 3
									-			
was a water	course Read		Yes 🖂	No		If YES, VO	fume Impacting i	the wate	ercourse.	JAN 2	,720	14
	<u> </u>									. <u></u>		. <u>.</u>
						.c. a.		1	A.1	N#1 A 11.1		6 400
										L#TA WOILSI	ie. An	alea 01 400
square reet a					our ug	out) nuo uppn						
					· · ·							
be submitted	upon receip	ot of the corre	ctive actio	n report.	-		-			-		
I hereby certi	fy that the i	nformation gi	ven above	e is true and comp	lete to	the best of my	knowledge and u	inderstar	nd that purs	suant to NM	OCD ru	ules and
regulations al	l operators	are required t	o report ai	nd/or file certain r	elease	notifications a	nd perform correct	ctive acti	ions for rel	eases which	may en	ndanger
				ce of a C-141 repo investigate and r								
				otance of a C-141								
		vs and/or regu		<u></u>								
		1 6	1.				<u>OIL CON</u>	<u>SERV</u>	<u>ATION</u>	DIVISIC	<u>)N</u>	٨
Signature:		1 Tulo							Λ		1	ll in the second s
						Approved by	Environmental S	pecialist	: Yon	UD.	- Køl	ler
Printed Name	: Jon Fields	<u>S</u>						I			(00	7
Title: Sr. Dire	ctor, Envir	onmental				Approval Dat	e: 1/4/2014		Expiration	Date:		<u> </u>
E moil Addes	ees stafial	ls@eprod.con	1			Conditions of	`Approval·					
c-mail Audre	ss jenet	is@eprod.coll	I			Conditions Of	rippiovai.			Attached		
- i_1	λαρμ	. /		(712)201 (10)								
Date: 1-2	ional Sho	Z ats If Necess		: (713)381-6684		······			Inth 1			
Anaon Auun			J				nJK	[42"	1/305			

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

				0	anta r	e, NM 875	05			· · · · · · · · · · · · · · · · · · ·
			Rel	ease Notifi	catio	n and Co	orrective A	ction		
						OPERA	ГOR	🗌 Init	ial Report	🛛 🛛 Final Repo
		Enterprise Fi				Contact: Tl				
		Ave, Farmin		87401			No. 505-599-22			
Facility Na	me: JE De	cker #3B W	ell Site			Facility Typ	e: Well Site/Me	eter Tube		······································
Surface Ow	ner: BLM	[Mineral	Owner:	BLM		APIN	0.	······································
•						N OF RE	EASE		· · · · · · · · · · · · · · · · · · ·	
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County	· · · ·
E ···	17	32N	11W						San Juan	
<u></u>		<u> </u>	1							
		L	atitude_	36.98684		Longitı	ıde <u>-108.018</u>	2		
				NAT	ΓURE	OF REL	EASE			
Type of Rele							Release: 60 MC			o Be Determined
Source of Re	elease: Orif	ice Flange on	a Meter T	ube			lour of Occurrenc			overy: 1/9/2014
Was Immedi	ate Notice (Jivén?				If YES, To	2 11:00 p.m. Whom?	@ 11:00	<i>i</i> p.m.	
			Yes 🗌] No 🖾 Not R	equired			O	L CONS. DI	V DIST. 3
By Whom?						Date and I	lour:			
Was a Water	course Read			1		If YES, Vo	olume Impacting t	he Watercourse.	JAN 27	2014
:			Yes 🛛] No						
If a Waterco	urse was Im	pacted, Descr	ibe Fully.'	*.						
			was abone	d. repairs were c	omplete	 the meter ri 	in was nut back in	i service. No flui	ds were release	ed.
isolated and I hereby cert regulations a	LOTO (lock ify that the i ll operators	and Cleanup / cout tag out) nformation gi are required t	Action Tak was applie ven above o report ar	cen.* A release fr cd, repairs were c is true and comp ad/or file certain	om an o ompleted blete to t release n	rifice flange c I, the meter ru he best of my otifications a	n a meter tube at in was put back in was put back in knowledge and u id perform correc arked as "Final Re	the JE Decker #3 service. No flui nderstand that pu tive actions for re	B well site. T ds were release rsuant to NMO leases which n	he well was ed. CD rules and nay endanger
isolated and I hereby cert regulations a public health should their or the enviro	LOTO (lock ify that the i ll operators or the envir operations h nment. In a	and Cleanup A c out tag out) information gi are required t ronment. The ave failed to a iddition, NMC	Action Tak was applie ven above o report ar acceptanc adequately OCD accep	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat	rifice flange c l, the meter ru he best of my otifications a e NMOCD m e contaminati	n a meter tube at in was put back in knowledge and u	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wate	he well was ed. CD rules and nay endanger tor of liability er, human health
isolated and I hereby cert regulations a public health should their or the enviro	LOTO (lock ify that the i ll operators or the envir operations h nment. In a	and Cleanup / c out tag out) nformation gi are required t ronment. The ave failed to a	Action Tak was applie ven above o report ar acceptanc adequately OCD accep	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat	rifice flange c l, the meter ru he best of my otifications a e NMOCD m e contaminati	n a meter tube at in was put back in knowledge and u nd perform correc arked as "Final Ro on that pose a thre e the operator of n	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wate compliance wi	he well was ed. CD rules and nay endanger tor of liability er, human health th any other
isolated and I hereby cert regulations a public health should their or the enviro federal, state	LOTO (lock ify that the i ll operators or the envir operations h nment. In a	and Cleanup A c out tag out) information gi are required t ronment. The ave failed to a iddition, NMC	Action Tak was applie ven above o report ar acceptanc adequately OCD accep	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat	rifice flange c l, the meter ru he best of my otifications a e NMOCD m e contaminati	n a meter tube at in was put back in knowledge and u nd perform correc arked as "Final Ro on that pose a thre e the operator of n	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wate responsibility for	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wate compliance wi	he well was ed. CD rules and nay endanger tor of liability er, human health th any other
isolated and I hereby cert regulations a public health should their or the enviro federal, state Signature:	LOTO (lock ify that the i Il operators or the envir operations h nment. In a , or local law	and Cleanup A c out tag out) y information gi are required t ronment. The ave failed to a iddition, NMC ws and/or regu	Action Tak was applie ven above o report ar acceptanc adequately OCD accep	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat report d	rifice flange c l, the meter ru he best of my otifications a e NMOCD m e contaminati oes not reliev	n a meter tube at in was put back in knowledge and u nd perform correc arked as "Final Ro on that pose a thre e the operator of n	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat responsibility for SERVATION	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wate compliance wi	he well was ed. CD rules and nay endanger tor of liability er, human health th any other
isolated and I hereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam	LOTO (lock ify that the i Il operators or the envir operations h nment. In a , or local law e: Jon Field	and Cleanup A c out tag out) of information gi are required t ronment. The ave failed to a iddition, NMC ws and/or regu ave a failed to a s	Action Tak was applie ven above o report ar acceptanc adequately OCD accep	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat report d	rifice flange c l, the meter ru he best of my otifications a e NMOCD m e contaminati oes not reliev	n a meter tube at in was put back in knowledge and u nd perform correc arked as "Final Re on that pose a thre e the operator of r <u>OIL CONS</u> Environmental S	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat responsibility for SERVATION	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wat compliance wi I DIVISIO	he well was ed. CD rules and nay endanger tor of liability er, human health th any other
isolated and I hereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam Title: Sr. Dir	LOTO (lock ify that the i II operators or the envir operations h nment. In a , or local law e: Jon Field ector, Envir	and Cleanup A c out tag out) of information gi are required t ronment. The ave failed to a iddition, NMC ws and/or regu ave a failed to a s	Action Tak was applie ven above o report ar acceptance adequately DCD accep ilations.	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat report d	rifice flange c I, the meter ru he best of my otifications a e NMOCD m e contaminati oes not reliev Approved by	n a meter tube at in was put back in knowledge and u ind perform correc arked as "Final Re on that pose a thre e the operator of n <u>OIL CONS</u> Environmental Sp e: $5/14/1$	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat responsibility for SERVATION pecialist:	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wat compliance wi I DIVISIO	he well was ed. CD rules and nay endanger tor of liability er, human health th any other
isolated and I hereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam Title: Sr. Dir	LOTO (lock ify that the i II operators or the envir operations h nment. In a , or local law e: Jon Field ector, Envir	and Cleanup A cout tag out) nformation gi are required t ronment. The lave failed to a ddition, NMC ws and/or regu s s conmental	Action Tak was applie ven above o report an acceptance adequately DCD accept ulations.	cen.* A release fr cd, repairs were c is true and comp id/or file certain ce of a C-141 rep investigate and t	om an o ompleted olete to t release n ort by th remediat report d	rifice flange c 1, the meter ru he best of my otifications and e NMOCD m e contamination oes not reliev Approved by Approval Dat	n a meter tube at in was put back in knowledge and u ind perform correc arked as "Final Re on that pose a thre e the operator of n <u>OIL CONS</u> Environmental Sp e: $5/14/1$	the JE Decker #3 service. No flui nderstand that pu tive actions for re eport" does not re eat to ground wat responsibility for SERVATION pecialist:	B well site. T ds were release rsuant to NMO leases which n lieve the opera er, surface wate compliance wi <u>I DIVISIO</u>	he well was ed. CD rules and nay endanger tor of liability er, human health th any other

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

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

1220 S. St. Fran	icis Dr., Sant	a Fe, NM 87505	5	Sa	anta F	Fe, NM 875	605					
· · ·			Rel	ease Notific	catio	on and Co	orrective A	ction		· ·		
						OPERA '	ГOR		🛛 Initia	al Report		Final Report
Name of Co	ompany: E	Interprise Fie	eld Servio	ces LLC		Contact: Th	nomas Long			•		· • ····
Address: 6	14 Reilly A	Ave, Farming	gton, NM	87401			No. 505-599-22	286				
Facility Nat	me: Gerk	Com #1				Facility Typ	e: Well Tie/Ga	thering	Line			
Surface Ow	ner: Priva	te		Mineral C	Jwner	·BI M			API No	· · · · · ·		
Unit Letter	Section	Township	Range	Feet from the		N OF RE	Feet from the	East/M	/est Line	County		
B	30	29N	9W						CSt Line	San Juan		
	• • •	Latit	ude <u>3</u>	6.700710	1	Longitud	e <u>-107.8171</u> 4	<u>40</u>		I		
				NAT	URF	E OF REL	EASE					
Type of Rele	ase: Natura	I Gas and Nat	ural Gas I		<u> </u>		Release: Unkno	own	Volume F	Recovered: A	Appro	ximately 100
									Cubic Ya			
Source of Re	lease: Exter	nal Damage					lour of Occurrenc @ 1:15p.m.	ce:	Date and @ 1:15p.		covery	r: 1/14/2014
Was Immedia	ate Notice C	Given?		·		If YES, To			<u>e 1.15p.</u>	111.		•
			Yes 🗌	No 🛛 Not Ro	equired	I I						
By Whom?							lour: 1/22/2014 @					
Was a Water	course Read		V 17	L N1-		If YES, Vo	olume Impacting t	the Wate	rcourse.			
			Yes 🛛	INO								
		pacted, Descri				1						
							the Gerk Gas Co				ternal	damage to
the pipeline.	The well w	as isolated and	d LOTO (lock out tag out)	was app	plied. Repairs	are scheduled for	the wee				
									ettler. بېلارم	RCAD TUN		
										OIL CONS		
Describe Are	a Affected a	and Cleanup A	ction Tak	en * An area of e	stimate	d twenty-five	(25) feet by twen	tv_five ((5) feet wa			narty
							oles. Approximat					
was transport	ed to a NM	OCD land far	m facility.	A "final" c-141	will be	submitted upo	on receipt of the c	orrective	action rep	ort.		•
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	Inderctor	d that ours	uant to NMC		ulacand
							nd perform correct					
public health	or the envir	onment. The	acceptanc	e of a C-141 repo	ort by th	ne NMOCD m	arked as "Final R	eport" do	oes not reli	eve the operation	ator of	fliability
							on that pose a three the operator of a					
federal, state,					report		e the operator of a	responsi		sinpliance wi	ini un	, outer
	//	- / / /	,				OIL CON	SERV	ATION	DIVISIO	N	
(Signature:	_/w	Tul							\sim	$1 \bigcirc$	1/	11
Bighatare		/ curicy				Approved by	Environmental S	necialist [.]	$\left(\right) \leq \frac{1}{2}$	HU /	KI	IIA
Printed Name	: Jon Fields	;							pra	41/-	jU	
Title: Sr. Dire	ctor, Envir	onmental				Approval Dat	e: 6/18/200	H E	xpiration I	Date:		\vee
E-mail Addre	ss: : iefield	s@eprod.com	n			Conditions of	Approval:					
										Attached		
Date: /- 2	4-2014	ļ	Phone	(713)381-6684								
Attach Addit				(.15)501-0004			-	1.1	1951	6720		
			2				nJK	्रान्	612			

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

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	5	Sa	anta F	Fe, NM 875	05				
Name of Company: Enterprise Field Services LLC Contact: Thomas Long Address: 614 Reilly Ave, Farmington, NM 87401 Telephone No. 505-599-2286 Facility Name: Lateral H-46/Bruington 15G Well Tie Facility Type: Well Tie/Gathering Line Surface Owner: Private Mineral Owner:BLM API No. LOCATION OF RELEASE LocATION OF RELEASE Unit Letter Section Township Range F 15 30N Peter from the North/South Line Feet from the Longitude107.98055 NATURE OF RELEASE Type of Release: Natural Gas and Natural Gas Liquids Volume of Release: Unknown Volume Recovered: Unknown Source of Release: Internal Corrosion Date and Hour of Occurrence: Date and Hour of Occurrence: U12/2014 @ 10:30 a.m. @ 10:30 a.m. Was Immediate Notice Given? Yes N No Not Required Date and Hour. RCUP FEB 10 ' 3:4 Was a Watercourse keached? Yes N No If Yes, Notume Impacting the Watercourse. UII CONST. 3 Jiff a Watercourse was Impacted, Describe Fully.* Describe Area Affected and Cleanup Action Taken.* A release was discovered on the Lateral H-46/fbruington 150 well tie on 1-23-14. The release was discovered not the set of momentand Remedial Action Taken.* A release was discovered on the Latera											
						OPERA '	ГOR	🖂 Initi	al Report		Final Repo
Name of Co	mpany: E	Interprise Fie	eld Servi	ces LLC					<u>i</u>		· _ ·
								86			
			<u> </u>								
		*									
Surface Ow	ner: Priva	te		Mineral C	Owner	:BLM		API No)		
				LOCA	ATIO	N OF RE	LEASE				
		•		Feet from the	Nort	h/South Line	Feet from the	East/West Line			
	I	Lat	itude	36.81439		Longitud	e <u>-107.98055</u>		I		
				NAT	TURE	E OF REL	EASE				
Type of Relea	ase: Natura	I Gas and Nat	ural Gas I					vn Volume I	Recovered:	Unkno	wn
										covery	1/23/2014
Was Immedia	ate Notice C		Yes 🗌	No 🛛 Not R	equired		Whom?				
By Whom?						Date and H	lour.		orin FEE	107	14
	course Reac	_	Yes 🛛	No					OIL CON	S.DP	
Describe Area contractor has	a Affected a s overseen i	nitial remedia	tion/excav	vation activities a	nd will	continue to ov	ersee additional re	mediation activiti	es scheduled		
I hereby certi- regulations al public health should their o or the enviror	fy that the in I operators or the envir perations ha iment. In ac	nformation gi are required to conment. The ave failed to a ddition, NMC	ven above preport ar acceptanc dequately CD accep	is true and comp ad/or file certain r ce of a C-141 repo investigate and r	elete to release ort by th emedia	the best of my notifications an he NMOCD m tte contaminati	knowledge and ur id perform correct arked as "Final Re on that pose a thre	iderstand that purs ive actions for rele port" does not reli at to ground water	uant to NMC eases which eve the oper surface wat	may en ator of ter, hur	danger liability nan health
Signature:	In	tulet	1					1	DIVISIO	M	Ś
Printed Name	: Jon Fields	5				Approved by	Environmental Sp	ecialist:	\underline{x}	h	\sim
Title: Sr. Dire	ctor, Envir	onmental				Approval Dat	e: 4/28/1	4 Expiration	Date:		
E-mail Addre	ss: : jefield	ls@eprod.com)			Conditions of	Approval:		Attached		
Date: Attach Addit	2-5	- 2014	Phone:	(713)381-6684		1					
Attach Addit	ional Shee	us II inecess	ary			# NCS	141 185	55417			

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 8750	5	Sa	anta Fe	e, NM 875	05					
			Rela	ease Notific	catior	and Co	orrective A	ction				
						OPERA	ГOR		🛛 Initi	al Report		Final Repo
Name of Co	mpany: E	Interprise Fie	eld Servio	ces LLC			nomas Long			1		1
		Ave, Farming					No. 505-599-22	.86				
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		Latit	tude <u>3</u>	6.977664		_ Longitud	e <u>-107.8749</u> 1	14				
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		l Gas and Na	tural Gas I	_iquids		1 · · · · · · · · · · · · · · · · · · ·	Release: Unkno			Recovered:		
Source of Re	lease: Exter	nal Damage					lour of Occurrenc	e:		Hour of Dis	covery:	1/22/2014
Was Immedia	te Notice (Given?					@ 10:30 a.m. Whom? Courtes	 vy Notifi	@ 10:30		IV - NIN	4000
was miniour			Yes [No 🛛 Not R	equired	11 125, 10	whom: courtes	sy noun		onation iter	iy - 191	NOCD
By Whom?	Thomas Lor	ng				Date and H	lour: 1/24/2014 @	0 11:37	.m	RCVD FE	810	12
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			Yes 🗵] No						DIS		Ϋ́α
		pacted, Descr										
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environmenta	l contractor	r collected clo	sure samp	les during the rep	air activ	ities. Approx	35) feet by three (kimately thirty-fiv will be submitted	e barrels	of water	and soils ass	ociated	with hydro-
regulations al public health should their c or the environ	l operators or the envir perations h ument. In a	are required t ronment. The ave failed to a	o report ar acceptanc adequately OCD accep	nd/or file certain r ce of a C-141 repo investigate and r	elease no ort by the emediate	otifications as NMOCD m contaminati	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of t	etive acti eport" de eat to gro responsi	ons for rel bes not rel bund wate bility for c	eases which ieve the oper r, surface wa compliance w	may en ator of ter, hur ith any	danger liability nan health
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Signature.		/ July	<u> </u>			Annroved by	Environmental S	necialist	. / pour	ref	$V_{\rm c}$	70/
Printed Name	: Jon Field	S					/		Ĺ	$\angle \vdash $	N	
Title: Sr. Dire	ector, Envir	onmental				Approval Da	te: 4/26/1	4	xpiration	Date:		
E-mail Addre	ss: : jefield	ls@eprod.con	n			Conditions o	f Approval:			Attached		
Date: Attach Addi	2-5	- 2014	Phone	(713)381-6684								
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District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

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

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Oil Conservation Division 1220 South St. Francis Dr.

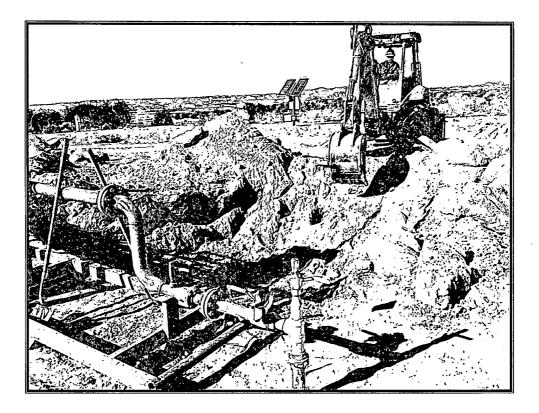
Form C-141 Revised August 8, 2011

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

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		Ave, Farming					No. 505-599-22	86		
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Surface Ow	ner: BLM			Mineral C)wner:E	BLM		API	No.	· .
				LOCA		N OF RE	LEASE			
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		l gas and pos					Release: 113 M		e Recovered:	
Source of Re	lease: Inatu	ral gas meter	tube/mete	r run			Hour of Occurrence 3 @ 1:30 p.m	e: Date an @ 1:30		scovery: 12/12/2013
Was Immedia	ate Notice C					If YES, To			p.m	
1			Yes 🗌	No 🛛 Not R	equired					
By Whom?						Date and H				R10'14
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samples. Ap	proximately	thirty-six (36) cubic ya		on impac					red land farm facility.
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Printed Name	e: Jon E. Fie	elds					Clat II	TC	-0-	6./*
Title: Direct	or, Field Co	mpliance				Approval Da	te: 5/7/14	Expiratio	on Date:	
E-mail Addre	ess: jefields	@eprod.com			'	Conditions o	f Approval:		Attached	1 🗋
Date:	2.5.			(713) 381-6684_						
* Attach Addi	tional Shee	ets If Necess	ary			HNCS	1411292	29 444		<u>_</u>

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



Submitted To:

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

Submitted By:

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

OIL CONS. DIV DIST. 3 MAY. 06 2014

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3.0	Site Ranking and Land Jurisdiction	2
4.0	Summary of Field Activities	2
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Tables:

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Appendices:

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

1.0 Executive Summary

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

	TABLE 1:	RELEASE INFO	RMATION	
Name		Lambe #3M	Meter Run Release)
	Latitude	/Longitude	Section, Towr	nship, Range
Location	36.879697	-107.885211	(SW/SE) Unit O Section 21	T 31N, R 10W
Date Reported	December 18	, 2013		
	Thomas Long			
Land Owner	Bureau of Lai	nd Management	(BLM)	
Reported To			Division (NMOCD)	and BLM
Diameter of Pipeline	2 inches			
Source of Release	Freezing			
Release Contents	Natural Gas L	iquids/Condensa	ate	
Release Volume:				
Natural Gas	133 MCF			
Release Volume:				
Liquids/Condensate	Unknown			
Nearest Waterway	Hart Canyon			
Depth to Groundwater	Greater than	100 feet		
Nearest Domestic Water Source	Greater than	200 feet		
NMOCD Ranking	10			
SMA Response	12/23/13, 12/	24/13,12/26/13, a	and 12/27/2013	
Dates				
Subcontractors		enance Services		
Disposal Facility	Industrial Eco	systems Incorpo	rated (IEI)	
Yd ³ Contaminated Soil Excavated and Disposed	36			

2.0 Introduction

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

3.0 Site Ranking and Land Jurisdiction

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

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

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

4.0 Summary of Field Activities

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

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

Engineering • Environmental • Surveying

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

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

5.0 Conclusions and Recommendations

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

SMA recommends no further action at this site.

Lambe # 3M Pipeline Release San Juan County, New Mexico SMA Reference # 5122104 BG 25 January 27, 2014

6.0 **Closure and Limitations**

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

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

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

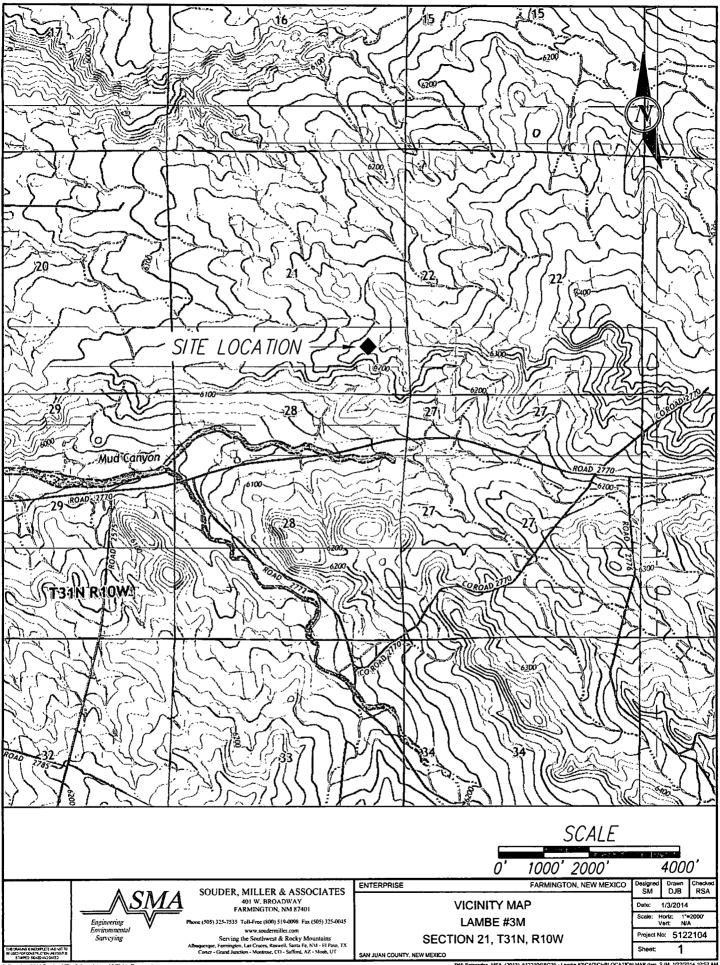
Teven Malde

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Steve Moskal Project Scientist

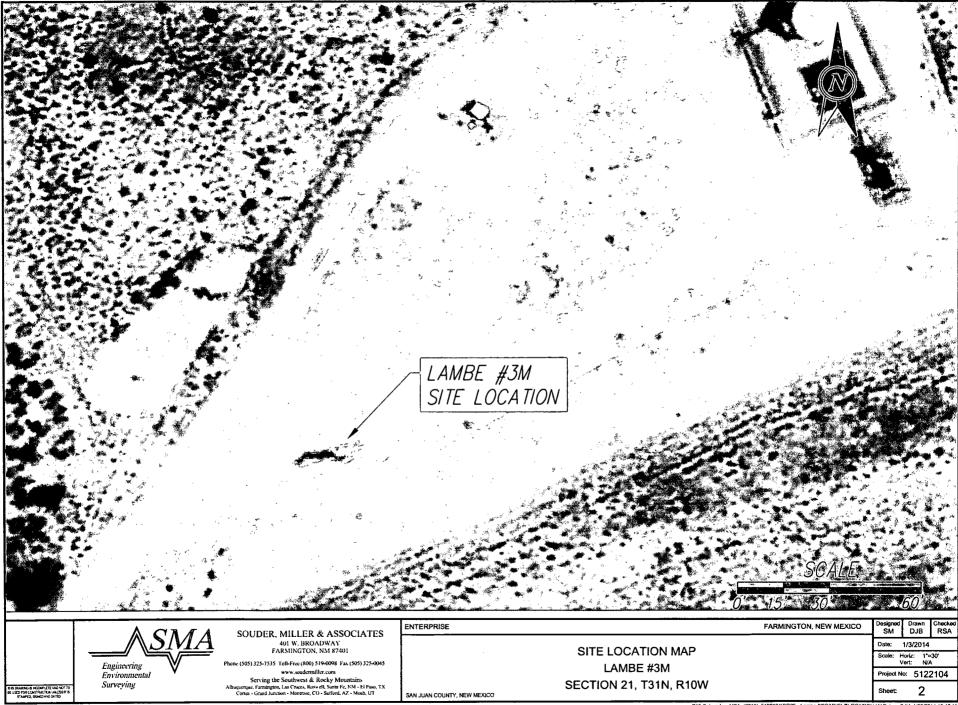
Reid S. Allan, PG Principal Scientist **FIGURES**

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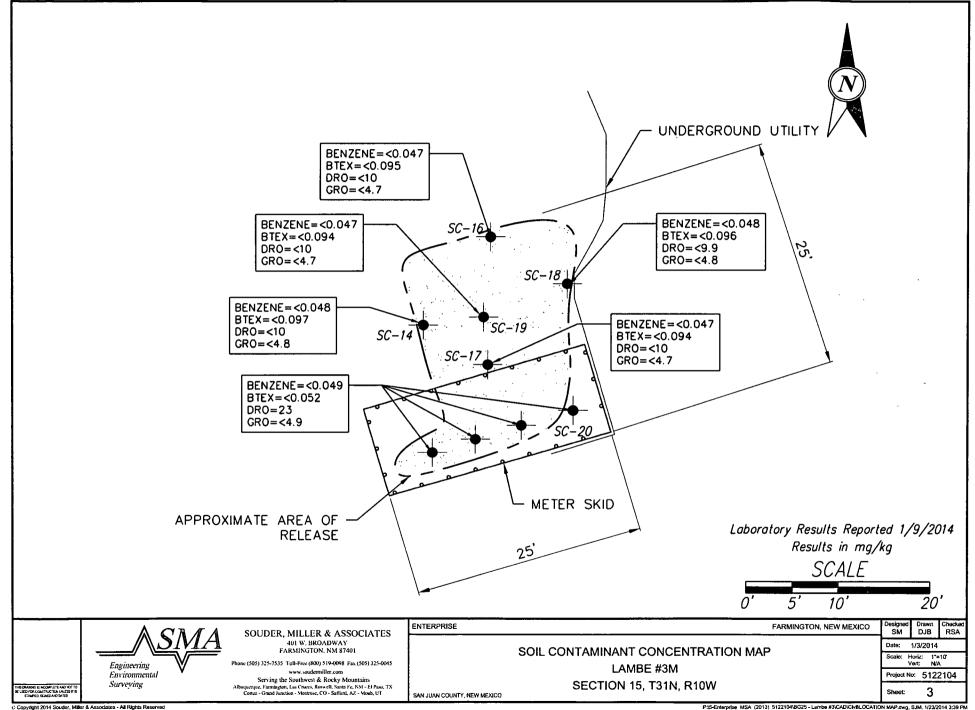
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Copyright 2014 Souder, Miller & Associates - All Rights Reserved

P15-Enterprise MSA (2013) 5122104/BG25 - Lambe #3/CAD/CMILOCATION MAP.dwg, SJM, 1/22/2014 10:47 AM



C J.

TABLES

Enterprise Products Table 2: Site Ranking

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

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	. Notes
< 50 BGS = 20	· · · · · · · · · · · · · · · · · · ·	Verified using Google earth and Topo Maps;	Closest waterway is a unnamed wash that is a
50' to 99' = 10 >100' = 0	0	Field verified	tributary to Hart Canyon Wash.
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		Verified using Google	Closest waterway is a
200'-1000' = 10	10	earth and Topo Maps; Field verified	unnamed wash that is a tributary to Hart Canyon
>1000' = 0			Wash.
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic water source? YES OR NO to		New Mexico State	No water wells located within 1000'; Two wells
BOTH. YES = 20, NO = 0	0	Engineer's Office online water well data base	located within a 1 mile radius
Total Site Ranking	10		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM



Enterprise Products Table 3: Summary of Excavation Field Screening Results (PPM) Lambe # 3M Meter Run Release 1/27/2014

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



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

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

		LABORAT	ORY ANALYTICA	SUMMAR	Y		. <u></u>
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD G	uidelines	NMOCD Site Ra	anking: 10	1,00	0ppm_	10ppm	50ppm
12/27/2013	10:48	SC-14 W Wall	3.0	<4.8	<10	<0.048	<0.097
12/27/2013	11:55	SC-16 N Wall	3.5	<4.7	<10	<0.047	<0.095
12/27/2013	11:56	SC- 17 S Wall	3.5	<4.7	<10	<0.047	<0.094
12/27/2013	11:57	SC-18 E Wall	3.5	<4.8	<9.9	<0.048	<0.096
12/27/2013	11:59	SC-19 Base	3.5	<4.7	<10	<0.047	<0.094
12/27/2013	12:17	SC- 20 Skid	0.8	<4.9	23	< 0.049	0.052

<u> ASMA</u>

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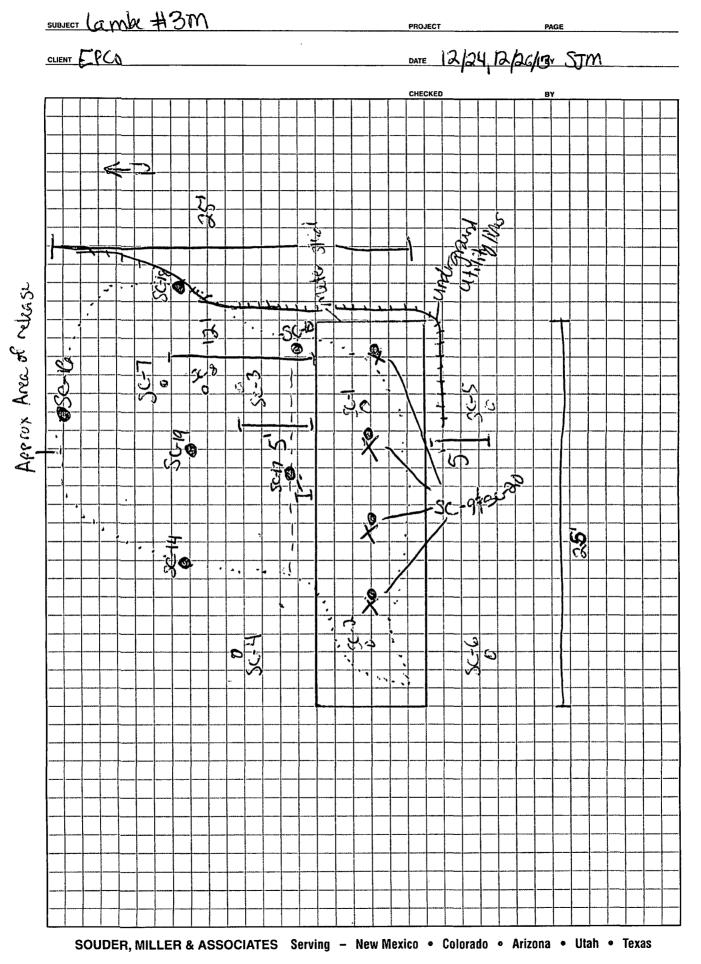
APPENDIX A

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FIELD NOTES

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APPENDIX B

SITE PHOTOGRAPHY

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

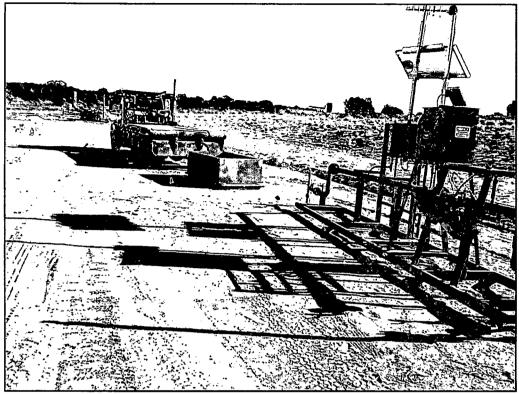


Photo 1: View of the Lambe #3M Meter Run release at the beginning of excavation activities.



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

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



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

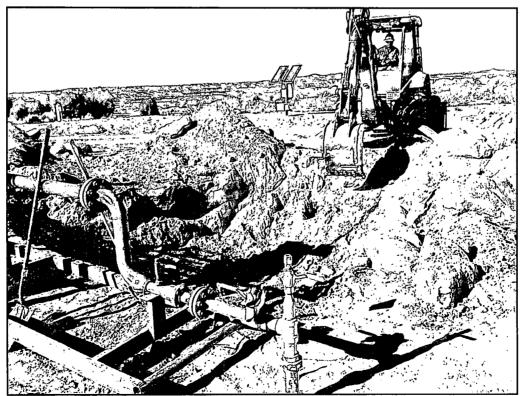


Photo 4: Near the final extent of the excavation on the Lambe #3M site.

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

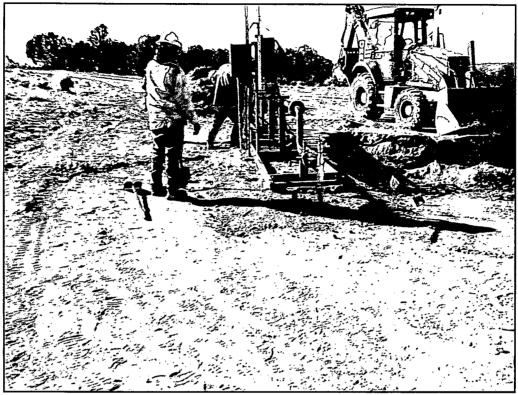


Photo 5: Photo of backfilling activities around the meter skid using imported material.

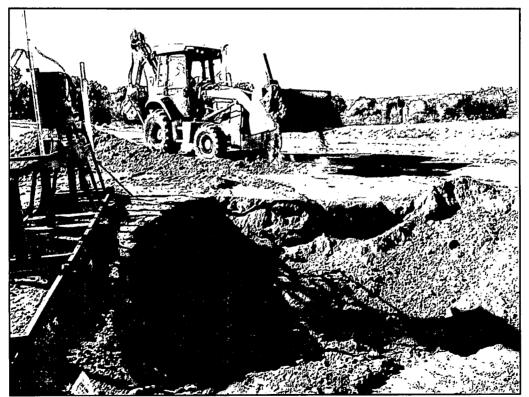


Photo 6: Backfilling activities of the larger portion of the Lambe #3M excavation.

APPENDIX C

SOIL DISPOSAL DOCUMENTATION

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1301 W. Grand Avenue, Artesia, NM 88210 District III 00 Rio Brazos Road, Aztec, NM 87410 trict IV 120 S. St. Francis Dr., Santa Fe, NM 87505State of New Mexico State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505Form C-138 Revised 08/01/11District II Oil Conservation Division trict IV 1220 S. St. Francis Dr., Santa Fe, NM 87505State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505Form C-138 Revised 08/01/11	·
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	
1. Generator Name and Address: W/O #499163 Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401	_ ·
2. Originating Site: Lambe #3M Well Site	
3. Location of Material (Street Address, City, State or ULSTR): Unit J Sec 21 T 31 N R 10 W, San Juan County, NM; 36.87996, -107.88506	
4. Source and Description of Waste: Source: Orifice Flange on a Meter Tube Description: Natural Gas Liquids (Condensate and Water) released from a meter tube Estimated Volume _10(yd)/bbls Known Volume (to be entered by the operator at the end of the haul) (yd)/bbls	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS	
I, Thomas Long There have a constructive or authorized agent for Enterprise Products Operating do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)	
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with nor exempt waste. A Operator Use Only: Waste Acceptance Frequency Monthly Weekly Per Load To the second sec	
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardou 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. (Clarable 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	
Thomas Long	
I, Thomas Long , representative for Enterprise Products Operating authorize to complete Generator Signature the required testing/sign the Generator Waste Testing Certification.	
I,, representative for IEI, Inc do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the same have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The re- of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC. 5. Transporter: To Be Determined	
OCD Permitted Surface Waste Management Facility	
Address of Facility: #49 CR 2150 Aztec, New Mexico	
Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B Address of Facility: #49 CR 2150 Aztec, New Mexico Method of Treatment and/or Disposal: Evaporation Injection Treating Plant Xandfarm Landfarm Other	
Waste Acceptance Status:	
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APPENDIX D

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LABORATORY ANALYTICAL REPORTS

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 09, 2014

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

RE: Lambe 3M

OrderNo.: 1312C66

Dear Steve Moskal:

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

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

					Analytical Report	
		_			Lab Order 1312C66	
Hall Environmental Analys	_	Date Reported: 1/9/20	4			
CLIENT: Souder, Miller and Associates			Client Sampl	e ID: SC	C-14-W. Wall @ 3'	
Project: Lambe 3M			Collection I	Date: 12	/27/2013 10:48:00 AN	1
Lab ID: 1312C66-001	Matrix:	SOIL	Received I	Date: 12	/30/2013 8:30:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/2/2014 2:03:08 PM	11030
Surr: DNOP	67.4	66-131	%REC	1	1/2/2014 2:03:08 PM	11030
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/2/2014 3:52:27 PM	11036
Surr: BFB	98.1	74.5-129	%REC	1	1/2/2014 3:52:27 PM	11036
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	1/2/2014 3:52:27 PM	11036
Toluene	ND	0.048	mg/Kg	1	1/2/2014 3:52:27 PM	11036
Ethylbenzene	ND	0.048	mg/Kg	1	1/2/2014 3:52:27 PM	11036
Xylenes, Total	ND	0.097	mg/Kg	1	1/2/2014 3:52:27 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	1/2/2014 3:52:27 PM	11036

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 9
	0	RSD is greater than RSD1imit	Р	Not Detected at the Reporting Limit Page 1 of 9 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Lab Order 1312C66

Date Reported: 1/9/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Project: Lambe 3M

Lab ID: 1312C66-002

Client Sample ID: SC-16-N. Wall @ 3.5' Collection Date: 12/27/2013 11:55:00 AM Received Date: 12/30/2013 8:30:00 AM

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

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analys	is Labora	tory, In	ic.			Lab Order 1312C66 Date Reported: 1/9/201	4
CLIENT: Souder, Miller and Associates			C	lient Sampl	e ID: SC	-17-S. Wall @ 3.5'	
Project: Lambe 3M			(Collection I	Date: 12/	27/2013 11:56:00 AN	4
Lab ID: 1312C66-003	Matrix:	SOIL		Received	Date: 12/	30/2013 8:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analys	t: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/2/2014 2:48:10 PM	11030
Surr: DNOP	79.6	66-131		%REC	1	1/2/2014 2:48:10 PM	11030
EPA METHOD 8015D: GASOLINE RAN	GE					Analys	t: NSB
Gasoline Range Organics (GRO)	NĎ	4.7		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Surr: BFB	93.9	74.5-129		%REC	1	1/2/2014 7:12:46 PM	11036
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Toluene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Ethylbenzene	ND	0.047		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Xylenes, Total	ND	0.094		mg/Kg	1	1/2/2014 7:12:46 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	1/2/2014 7:12:46 PM	11036

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 9
	0	RSD is greater than RSD1imit	Р	Not Detected at the Reporting Limit Page 3 of 9 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis	Labora	atory, In	ic.			Lab Order 1312C66 Date Reported: 1/9/201	4
CLIENT: Souder, Miller and Associates			C	lient Sampl	e ID: SC	-18-E. Wall @ 3.5'	
Project: Lambe 3M				Collection	Date: 12/	/27/2013 11:57:00 AN	1
Lab ID: 1312C66-004	Matrix:	SOIL		Received	Date: 12/	/30/2013 8:30:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE C	RGANICS					Analys	t: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/2/2014 3:10:25 PM	11030
Surr: DNOP	83.4	66-131		%REC	1	1/2/2014 3:10:25 PM	11030
EPA METHOD 8015D: GASOLINE RANG	E					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Surr: BFB	94.1	74.5-129		%REC	1	1/2/2014 7:41:22 PM	11036
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Toluene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Ethylbenzene	ND	0.048		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Xylenes, Total	ND	0.096		mg/Kg	1	1/2/2014 7:41:22 PM	11036
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	1/2/2014 7:41:22 PM	11036

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Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysi		Lab Order 1312C66 Date Reported: 1/9/2014				
CLIENT: Souder, Miller and Associates			-		C-19-Base @ 3.5'	
Project: Lambe 3M Lab ID: 1312C66-005	Matrix:	SOIL			/27/2013 11:59:00 AN /30/2013 8:30:00 AM	1
Analyses	Result	RL QI	ial Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/2/2014 3:32:27 PM	11030
Surr: DNOP	88.4	66-131	%REC	1	1/2/2014 3:32:27 PM	11030
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/2/2014 8:09:55 PM	11036
Surr: BFB	90.3	74.5-129	%REC	1	1/2/2014 8:09:55 PM	11036
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	1/2/2014 8:09:55 PM	11036
Toluene	ND	0.047	mg/Kg	1	1/2/2014 8:09:55 PM	11036
Ethylbenzene	ND	0.047	mg/Kg	1	1/2/2014 8:09:55 PM	11036
Xylenes, Total	ND	0.094	mg/Kg	1	1/2/2014 8:09:55 PM	11036
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	1/2/2014 8:09:55 PM	11036

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Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
-	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 5 of 9
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 5 of 9 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analy	sis Labora	tory, Inc	·•		Date Reported: 1/9/201	4
CLIENT: Souder, Miller and Associat	tes		Client Sampl	e ID: SC	-20-Skid @ 0.75'	
Project: Lambe 3M			Collection I	Date: 12	/27/2013 12:17:00 PM	I
Lab ID: 1312C66-006	Matrix:	Matrix: SOIL			/30/2013 8:30:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	23	· 10	mg/Kg	1	1/2/2014 3:54:36 PM	11030
Surr: DNOP	82.9	66-131	%REC	1	1/2/2014 3:54:36 PM	11030
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/6/2014 6:29:06 PM	11036
Surr: BFB	89.3	74.5-129	%REC	1	1/6/2014 6:29:06 PM	11036
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	1/6/2014 6:29:06 PM	11036
Toluene	0.052	0.049	mg/Kg	1	1/6/2014 6:29:06 PM	11036
Ethylbenzene	ND	0.049	mg/Kg	1	1/6/2014 6:29:06 PM	11036
Xylenes, Total	ND	0.098	mg/Kg	1	1/6/2014 6:29:06 PM	11036

80-120

%REC

93.9

Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 1312C66

1 1/6/2014 6:29:06 PM

11036

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Ε	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 6 of 9
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 6 of 9 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1312C66

09-Jan-14

Client: Soude Project: Lambe	r, Miller and A e 3M	Associa	ites							
Sample ID MB-11030	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID: PBS	Batch	ID: 11	030	F	RunNo: 1	5821				
Prep Date: 12/31/2013	Analysis D	ate: 12	2/31/2013	S	SeqNo: 4	56574	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							<u> </u>	
Surr: DNOP	8.5	•••	10.00		84.5	66	131			
Sample ID LCS-11030	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	_
Client ID: LCSS	Batch	ID: 11	030	F	RunNo: 1	5821				
Prep Date: 12/31/2013	Analysis D	ate: 12	2/31/2013	S	SeqNo: 4	56617	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	60.8	145			
Surr: DNOP	4.6		5.000		92.0	66	131			

Qualifiers:

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

Page 7 of 9

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates **Client: Project:** Lambe 3M

Sample ID MB-11036	SampType:	WBLK	Tes	tCode: EPA N	Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID:	11036	R	RunNo: 15860	0				
Prep Date: 12/31/2013	Analysis Date:	1/2/2014	s	eqNo: 45779	99	Units: mg/M	۲g		
Analyte	Result PQ	SPK value	SPK Ref Val	%REC Lo	wLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5								
Surr: BFB	920	1000		92.4	74.5	129			
Sample ID LCS-11036	SampType:	_CS	Tes	tCode: EPA N	Method	8015D: Gasc	oline Rang	e	
Client ID: LCSS	Batch ID:	11036	F	RunNo: 15860	0				
Prep Date: 12/31/2013	Analysis Date:	1/2/2014	S	GeqNo: 45780	00	Units: mg/H	٢g		
Analyte	Result PQ	SPK value	SPK Ref Val	%REC Lo	wLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		0 25.00	0	112	74.5	126			
Surr: BFB	1000	1000		103	74.5	129			
Sample ID 1312C66-002AM	SampType:	WS	Tes	tCode: EPA N	Method	8015D: Gaso	oline Rang	e	<u></u>
Sample ID 1312C66-002AM Client ID: SC-16-N. Wall @				tCode: EPA N RunNo: 15860		8015D: Gaso	oline Rang	e	<u></u>
•		11036	R		0	8015D: Gaso Units: mg/k	5	e	2
Client ID: SC-16-N. Wall @	3.5 Batch ID:	11036 1/2/2014	R	RunNo: 15860 SeqNo: 45780	0	-	5	e RPDLimit	Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013	3.5 Batch ID: Analysis Date: Result PQ	11036 1/2/2014	F	RunNo: 15860 SeqNo: 45780	0 03	Units: mg/k	(g		Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte	3.5 Batch ID: Analysis Date: Result PQ	11036 1/2/2014 SPK value	R S SPK Ref Val	RunNo: 1586(SeqNo: 4578(%REC Lo	0 03 owLimit	Units: mg/F HighLimit	(g		Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte Gasoline Range Organics (GRO)	3.5 Batch ID: Analysis Date: Result PQI 27 4 950	11036 1/2/2014 - SPK value 7 23.63 945.2	R S SPK Ref Val 0	RunNo: 15860 GeqNo: 45780 <u>%REC Lo</u> 116	0 03 owLimit 69.5 74.5	Units: mg/K HighLimit 145 129	s (g %RPD	RPDLimit	Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte Gasoline Range Organics (GRO) Surr: BFB	3.5 Batch ID:Analysis Date:ResultPQI274950ISDSampType:	11036 1/2/2014 - SPK value 7 23.63 945.2 MSD	F S SPK Ref Val 0 Tes	RunNo: 15860 GeqNo: 45780 <u>%REC Lo</u> 116 100	0 03 owLimit 69.5 74.5 Method	Units: mg/K HighLimit 145 129	s (g %RPD	RPDLimit	Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1312C66-002AM	3.5 Batch ID:Analysis Date:ResultPQI274950ISDSampType:	11036 1/2/2014 <u>SPK value</u> 7 23.63 945.2 MSD 11036	R S SPK Ref Val 0 Tes F	RunNo: 15860 SeqNo: 45780 <u>%REC Lo</u> 116 100 tCode: EPA N	0 03 wwLimit 69.5 74.5 Method 0	Units: mg/K HighLimit 145 129	S S S S S S S S S S S S S S	RPDLimit	Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1312C66-002AM Client ID: SC-16-N. Wall @	 3.5 Batch ID: Analysis Date: Result PQI 27 4 950 ISD SampType: 3.5 Batch ID: 	11036 1/2/2014 SPK value 7 23.63 945.2 MSD 11036 1/2/2014	R S SPK Ref Val 0 Tes F	RunNo: 15860 SeqNo: 45780 %REC Lo 116 100 tCode: EPA M RunNo: 15860 SeqNo: 45780	0 03 wwLimit 69.5 74.5 Method 0	Units: mg/F HighLimit 145 129 8015D: Gase	S S S S S S S S S S S S S S	RPDLimit	Qual
Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID 1312C66-002AM Client ID: SC-16-N. Wall @ Prep Date: 12/31/2013	 3.5 Batch ID: Analysis Date: Result PQI 27 4 950 ISD SampType: 3.5 Batch ID: Analysis Date: Result PQI 	11036 1/2/2014 SPK value 7 23.63 945.2 MSD 11036 1/2/2014	F S SPK Ref Val 0 Tes F S	RunNo: 15860 SeqNo: 45780 %REC Lo 116 100 tCode: EPA M RunNo: 15860 SeqNo: 45780	0 03 wwLimit 69.5 74.5 Method 0 04	Units: mg/k HighLimit 145 129 8015D: Gaso Units: mg/k	S %RPD Soline Rang	RPDLimit e	

Qualifiers:

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

Page 8 of 9

WO#: 1312C66

09-Jan-14

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Souder, Miller and Associates Project: Lambe 3M

Sample ID MB-11036 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 11036 RunNo: 15860 Prep Date: 12/31/2013 Analysis Date: 1/2/2014 SeqNo: 457835 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit Analyte Result POL HighLimit %RPD RPDLimit Qual ND 0.050 Benzene ND 0.050 Toluene Ethylbenzene ND 0.050 Xvlenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 1.000 106 80 120 1.1 Sample ID LCS-11036 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 11036 RunNo: 15860 Prep Date: 12/31/2013 Analysis Date: 1/2/2014 SeqNo: 457836 Units: mg/Kg %REC Result PQL SPK value SPK Ref Val HighLimit %RPD RPDLimit Analyte LowLimit Qual Benzene 1.1 0.050 1.000 0 113 80 120 80 120 Toluene 1.1 0.050 1.000 ٥ 110 80 120 Ethylbenzene 0.050 1 000 ٥ 111 1.1 Xylenes, Total 3.3 0.10 3.000 0 110 80 120 Surr: 4-Bromofluorobenzene 1.1 1.000 114 80 120 Sample ID 1312C66-001AMS TestCode: EPA Method 8021B: Volatiles SampType: MS Client ID: SC-14-W. Wall @ 3' Batch ID: 11036 RunNo: 15860 Prep Date: 12/31/2013 Analysis Date: 1/2/2014 SeqNo: 457838 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte 1.0 0.048 0.9606 109 67.4 135 Benzene ۵ 0.9606 105 72.6 135 0.048 0.009749 Toluene 1.0 Ethylbenzene 1.1 0.048 0.9606 0.01072 109 69.4 143 144 3.2 0.096 2.882 0.02752 109 70.8 Xylenes, Total 120 Surr: 4-Bromofluorobenzene 1.1 0.9606 113 80 TestCode: EPA Method 8021B: Volatiles Sample ID 1312C66-001AMSD SampType: MSD Client ID: SC-14-W. Wall @ 3 Batch ID: 11036 RunNo: 15860 12/31/2013 Analysis Date: 1/2/2014 SeqNo: 457839 Units: mg/Kg Prep Date: Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte 1.0 0.048 0.9615 0 107 67.4 135 2.10 20 Benzene

0.9615

0.9615

2.885

0.9615

0.009749

0.01072

0.02752

Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene

Qualifiers:

Value exceeds Maximum Contaminant Level.

1.0

1.1

3.1

1 1

0.048

0.048

0.096

- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

72.6

69.4

70.8

80

135

143

144

120

1.10

0.0788

0.695

0

ND Not Detected at the Reporting Limit

104

109

108

110

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 9 of 9

20

20

20

0

50

WO#: 1312C66 09-Jan-14

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345	nental Analysis Labora 4901 Hawkin Albuquerque, NM 8 -3975 FAX: 505-345 ww.hallenvironmental	s NE 7109 Sam 4107	ple Log-In Ci	heck List
Client Name: SMA-FARM Work Order Nu	mber: 1312C66		RcptNo:	1
Received by/date: JB 12/30/13	••• • •			
Logged By: Michelle Garcia 12/30/2013 8:30:0	00 AM	Minul Gan	un	:
Completed By: Michelle Garcia 12/31/2013 8:49:	55 AM	Minul Gar Minul Gar	un	
Reviewed By: IO 12/3/175				
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes	No [¯]	Not Present 🗹	
2. Is Chain of Custody complete?	Yes 💉	No	Not Present	
3. How was the sample delivered?	FedEx			
Log In				
4. Was an attempt made to cool the samples?	Yes 🗸	No 🗌	NA	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
7. Sufficient sample volume for indicated test(s)?	Yes 🗸	No		
8. Are samples (except VOA and ONG) properly preserved?	Yes ⊻	No		
9. Was preservative added to bottles?	Yes	No 🗹	NA	
10.VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹	
11, Were any sample containers received broken?	Yes 🗆	No 🗹		
12. Does paperwork match bottle labels?	Yes 🗹	No 🗌	# of preserved bottles checked for pH:	·
(Note discrepancies on chain of custody)	Yes 🖌	No	Adjusted?	r >12 unless noted
13. Are matrices correctly identified on Chain of Custody?14. Is it clear what analyses were requested?	Yes 🗹	No		· · · · · · · · ·
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No	Checked by:	·····
Special Handling (If applicable)				
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA 🗹	_
Person Notified: D	ate:			ר י י
By Whom: V	īa: 🔛 eMail 📋	Phone 🗍 Fax	In Person	: !
Regarding:				•
Client Instructions:				
17. Additional remarks:				
18. Cooler Information			1	
Cooler No Temp C Condition Seal Intact Seal N 1 3.6 Good Yes	lo Seal Date	Signed By		

C	hain-	of-C	ustody Record	Turn-Around	Time:					1.1			:NIX	/ T E	20		ЛЕ	NTA	. I
Client:	Soud		Viller & Associates	Standard	🗆 Rush													TO	
	<u></u>	<u> </u>		Project Name	the second s		ļ ⊨				ww.h					-			
Mailing	Address	2101	San Juan Blud	Lambe	ma]	490)1 Ha		IS NE						109		
	}	ano	NM 87401	Project #:			ĺ				5-397		Fax	-					
Phone #	# 50	2 32	5-7535	51221	104 BE	25							ysis						
email o				Project Mana			F	(YL	le l				5						TT
QA/QC I	Package:		7				F	as ol	ië Q				0, S(PCB's			1		
🛛 Stan			Level 4 (Full Validation)	Steven	Moskal	psoudermiller.com	1.	ÿ	Gas				PC PC	2 P(1	
Accredi			or	Sampler: 🛠	terr Mo	sKal	Į. ₽	+ TPH (Gas only)	5B (. .	<u>-</u> -		2	8082					Î
			er					+ ш	801	418		ူး	g	les /		(Semi-VOA)			ь Л
	(Type)_						Ę	ATB	P	thod	A lithod	Meta	Ū	sticid	(AO	mi-			,) se
Date	Time	Matrix	Sample Request ID	Container	Preservative	HEALING	휜	+	W	Ne l	€ €	A 8	Js (F	Pes	<u>S</u> В	S)			l qq
				Type and #	Туре		BTEX)+MTBE	BTEX + MTBE	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 /	8260B (VOA)	8270			Air Bubbles (Y or N)
2/27/13	(248	Sail	SC-14-W. walle 3!	Amy 1.	Cool	-001	X	-	X					3			\rightarrow		$\uparrow \uparrow$
י <u>ר אי</u> ריא אדיריי	1155)	SC-16-N, ual @3.5'		1	-002	X	-	X			1-						+	$\uparrow \uparrow \uparrow$
	1156		SC-17-5, wall @ 3,5'	1 1		-003	Ŷ		K			+							+-+-
	1157					-064	X		X		+						-+		++
			5C-18-E. Wall p 3.5'				X	\neg	Ŕ								+		++-
	1159	./	SC-19-Base 03.5			-005			X	-+		+				\rightarrow	\rightarrow		++
	1217	¥.	5(-20-5kid 00.75'	.	<u>v</u>	-006	X	-	2	+		+	$\left\{ - \right\}$						+
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District 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

en.

State of New Mexico Energy Minerals and Natural Resources

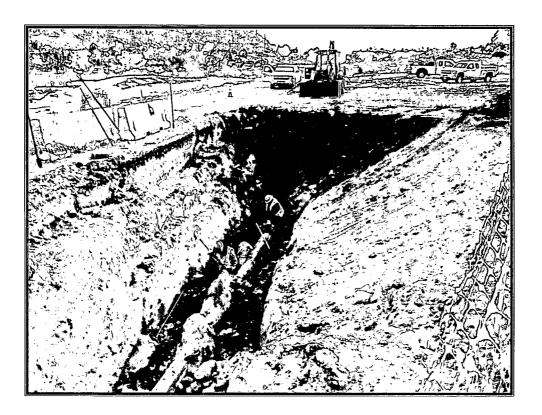
Form C-141 Revised August 8, 2011

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 S. St. Fran	icis Dr., Sant	a Fe, NM 87505	5	Sa	inta I	Fe, NM 875	605					
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Surface Ow	mar: DI M	1		Minaral)	DIM						
Surface Ow	TIEL DLIV			Mineral C	Jwner	:BLM			API No).		
						N OF RE						
Unit Letter C	Section 1	Township 27N	Range 9W	Feet from the	Nort	h/South Line	Feet from the	East/	West Line	County San Juan		
		Latit	ude 3	6.610106	•	Longitud	e107.74052	1				- · · · J
		Laut	uue <u></u>			_ 0		<u></u>				
					URI	E OF REL						
		al gas and positive provident of the second se					Release: 445 MC			Recovered: Hour of Dis		
Source of Re	icase. Nati	nai gas gamei	ing pipein	ne		12/9/2013	iour of Occurrenc		@10:30 a		covery.	12/9/2015
Was Immedi	ate Notice (Yes 🗌] No 🔲 Not Re	equired		Whom? Brandor	n Powel	I, NMOCD			
By Whom?	Thomas Lo	ng					lour 12/9/13 @ 10					
Was a Water	course Read		Yes 🗌] No		If YES, Vo	olume Impacting t	the Wate	ercourse. U	nknown		
If a Watercou	urse was Im	nacted Descr	ibe Fully '	* A small unname	d enhe	meral wash in	ersects CR 7007	and the	release are	No visible	e surfac	e impacts
				n Taken.* A techt ase area is along t					is internal of		9.101) S. DIV	
remediation a NMOCD app	actions were proved land	e completed ir farm facility.	December Additiona	ten.*Impacted are er 2013. Approximation and the second second second and the second second second second ties. A third party	mately d reme	234 cubic yard diation is schee	is of hydrocarbon dule during the sp	impact oring of :	ed soil was 2014. Thir	excavated a d party envir	and trans	sported to a
regulations a public health should their o or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The have failed to a	o report an acceptanc dequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 repo v investigate and r otance of a C-141	elease ort by t emedia	notifications a he NMOCD mate contamination	nd perform correc arked as "Final R on that pose a thr the operator of	ctive act eport" d reat to gi respons	ions for rele loes not rele round water ibility for c	eases which eve the oper , surface wa ompliance w	may end rator of ater, hun with any	danger liability nan health
			11				OIL CON	<u>SERV</u>	ATION	DIVISIC	<u>N</u>	\bigcap
Signature:	An	(Tu	4			Approved by	Environmental S	pecialis	t: / /	\sim	A	A
Printed Name	e: Jon E. Fi	elds						.	\leftarrow			
Title: Sr. Dir	ector, Envir	onmental				Approval Da	te: 5/2/14	1	Expiration	Date:		
E-mail Addre	ess: jefields	@eprod.com				Conditions of	f Approval:			Attached		
Date:	9-5.	2014	Phone:	: (713) 381-6684			Le Remidibil	-				
* Attach Addi	tional She	ets If Necess	ary				5-141122					
					(Facility	ID					
						En	ID Acoprise	pipe	line	SAN 3	Suan	

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

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



Submitted To:

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

Submitted By:

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

Table of Contents

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

Figures:

Figure 1: Vicinity Map Figure 2: Site Location Map Figure 3: Soil Contaminant Concentration Map

Tables:

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

Appendices:

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

1.0 Executive Summary

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

	TABLE 1: RELEASE INFORMATION										
Name		Lateral C-7 F	Pipeline R	elease							
	Latitude	/Longitude	Sec	ction, Towr	nship, Range						
Location	36.61010	-107.74052	Unit C	Section	T 27N, R 9W						
Date Reported	December 5, 2	ecember 5, 2013									
	Keith Roddy										
Land Owner	Bureau of Lan	d Management (BL	.M)								
Reported To	BLM, NM Oil C	Conservation Division	on (NMO	CD)							
Diameter of Pipeline	10 inches										
Source of Release	Internal Corros	sion, Faulty Welds									
Release Contents	Natural Gas Li	quids/Condensate									
Release Volume	Unknown										
Nearest Waterway		utary Wash to Blan	ico Wash								
Depth to	Assumed to be	e less than 50 feet									
Groundwater											
Nearest Domestic Water Source	Greater than 1	,000 feet									
NMOCD Ranking	40										
SMA Response	12/6/13, 12/7/1	13, 12/9/13, 12/10/ [.]	13, 12/11/	/13, 12/12/	13, 12/13/13,						
Dates	12/14/13, and	12/16/13									
Subcontractors	West States E	nergy Contractors	(WSEC)								
Disposal Facility	Envirotech Lar	Envirotech Landfarm									
Yd ³ Contaminated	d										
Soil Excavated and	234										
Disposed											

2.0 Introduction

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

3.0 Site Ranking and Land Jurisdiction

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

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

4.0 Summary of Field Activities

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

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

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

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

5.0 Conclusions and Recommendations

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

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

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

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

6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

Term Maker

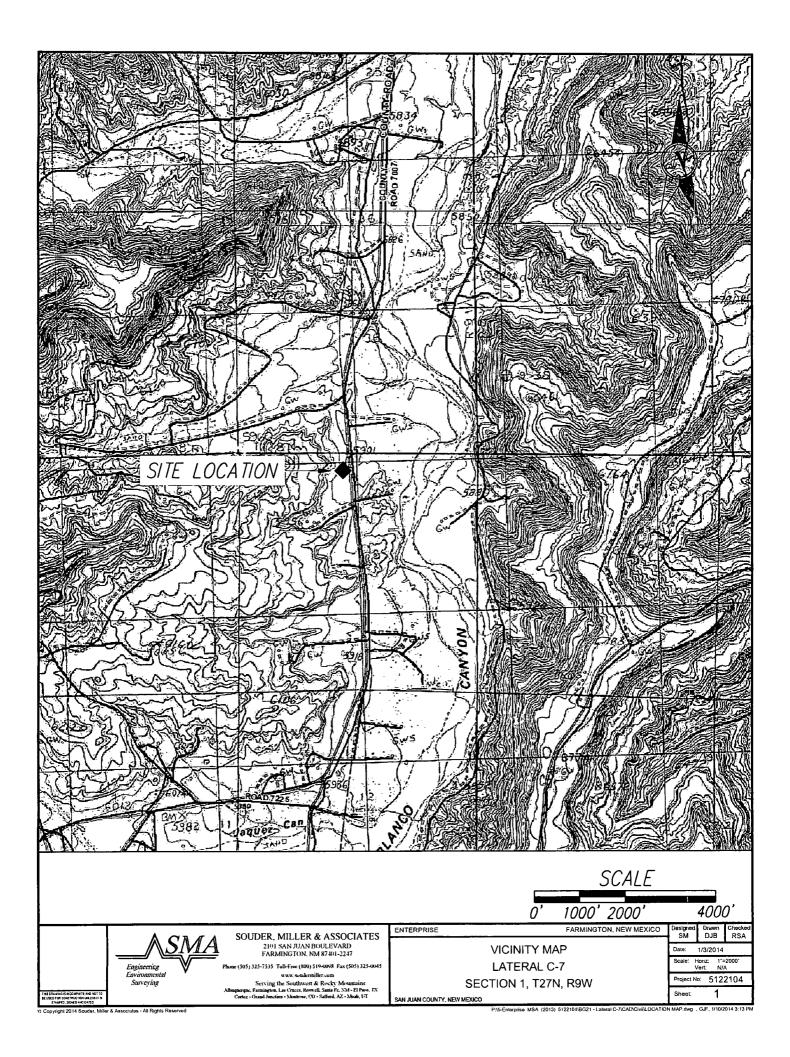
Steve Moskal Project Scientist

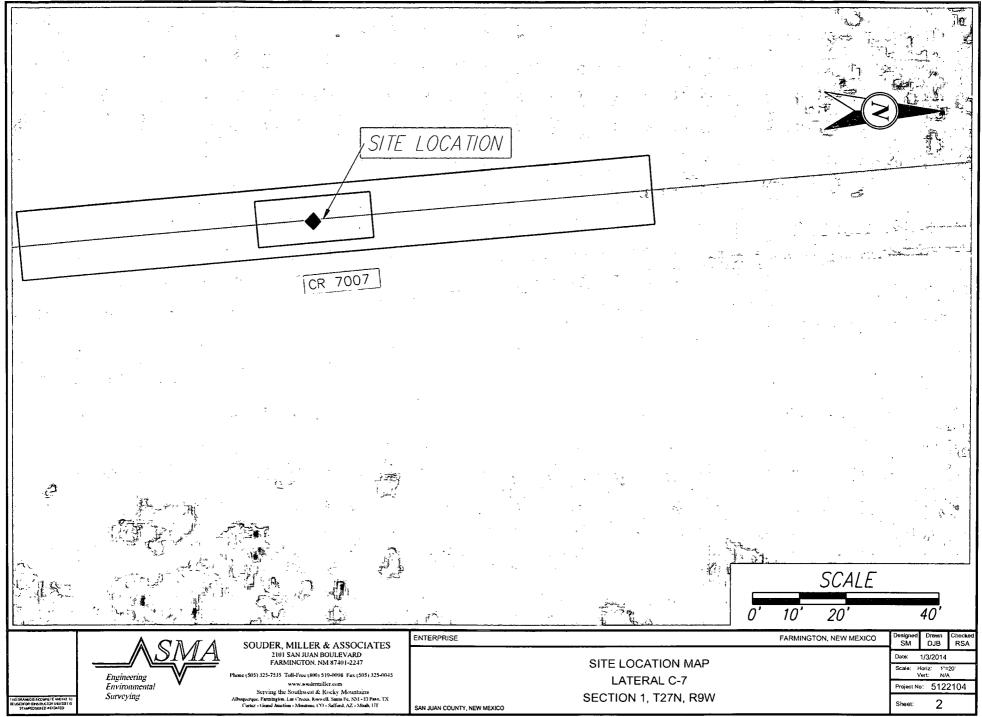
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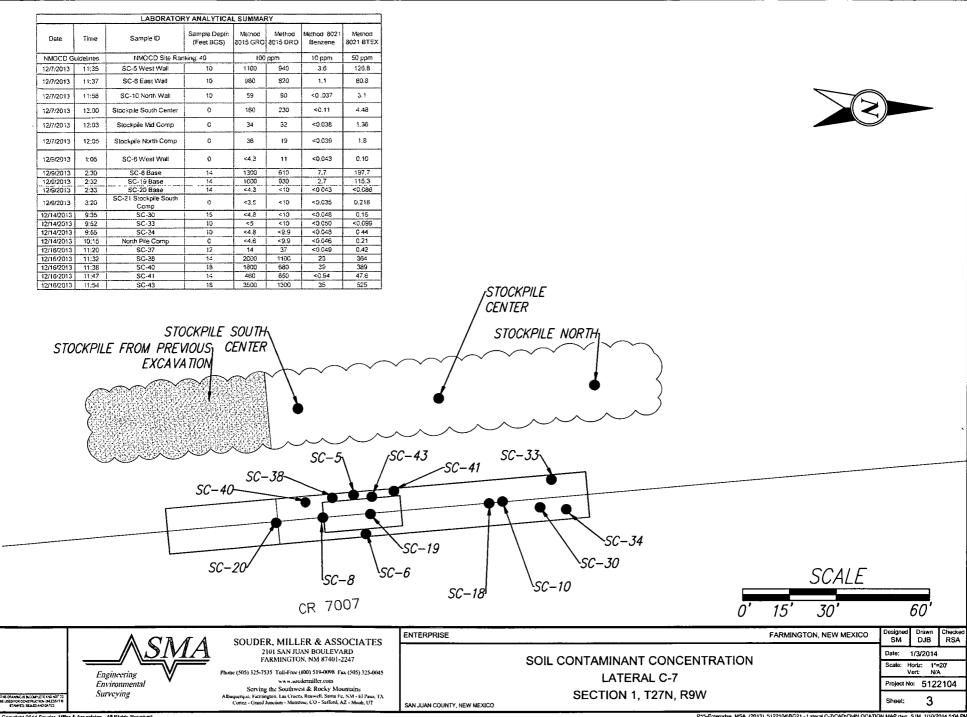
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TABLES

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



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



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

		LABORATO	RY ANALYTICAL	. SUMMAR	Y		
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD G	uidelines	NMOCD Site Ran	NMOCD Site Ranking: 40			10 ppm	50 ppm
12/7/2013	11:35	SC-5 West Wall	10	1100	940	3.6	126.8
12/7/2013	11:37	SC-6 East Wall	10	980	820	1.1	80.8
12/7/2013	11:58	SC-10 North Wall	10	59	90	<0.037	3.1
12/7/2013	12:00	Stockpile South Center	0	160	230	<0.11	4.48
12/7/2013	12:03	Stockpile Mid Comp	0	34	32	<0.038	1.36
12/7/2013	12:05	Stockpile North Comp	0	36	19	< 0.039	1.8
12/9/2013	1:05	SC-6 West Wall	0	<4.3	11	<0.043	0.10
12/9/2013	2:30	SC-8 Base	14	1300	610	7.7	197.7
12/9/2013	2:32	SC-19 Base	14	1000	930	2.7	115.3
12/9/2013	2:33	SC-20 Base	14	<4.3	<10	<0.043	<0.086
12/9/2013	3:20	SC-21 Stockpile South Comp	0	<3.5	<10	<0.035	0.218
12/14/2013	9:35	SC-30	15	<4.8	<10	<0.048	0.15
12/14/2013	9:52	SC-33	10	<5	<10	<0.050	<0.099
12/14/2013	9:55	SC-34	10	<4.8	<9.9	<0.048	0.44
12/14/2013	10:15	North Pile Comp	0	<4.6	<9.9	<0.046	0.21
12/16/2013	11:20	SC-37	12	14	37	<0.049	0.42
12/16/2013	11:32	SC-38	14	2000	1100	23	364
12/16/2013	11:38	SC-40	18	1800	680	39	389
12/16/2013	11:47	SC-41	14	460	650	<0.94	47.6
12/16/2013	11:54	SC-43	18	3500	1300	35	525



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APPENDIX A FIELD NOTES

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CHECKED 10"/line Site @ 2 11:30 130de Perform tailorte safety permit revie Calibrated PIO meter Excarbition unde 6.609 432 -107.740622 - Collect Field Screen samples sreen Time (ust m 4/1 Gild tru Time lini 1340 C-1=SE corner 2.5 1305 386 SC-R-Stackpile#2 7021 1343 1B08. SC-3- Relase point 7 1548 462 1664 He returned 12/7/13 to gentition re Flan 60 6 varle tott sitte @ 1630 ふりんろ @. 1000 refresh tail -0h 310 SER into permit cave 11 m U-Scentra I UCOLOUN in -4 (W. 3: Shaller 1020 1753 1120 ¥ 5(-5 W. wall @ 101 17/1 1213 1135 SC-6 EULANERP 10! 137 160% 1212 SC-7 RPO 14 295,71 12/3 1139 SC-8 S. Slope @ 91 (5'RP) 1140 740.9 1215 SC 9. 10' N. 88 (2. 10' 640.01 1156 1228 SC- 16 20' N. R.P. @10! 751.6 1158 1230 Stockpill S Center 1200 1474 1225 1226 Stoclopile Certer 203 663.2 1227 1205 8834 Stockpille N. 131,7 1229 SC-11 10'S. RPP6' 1155 + Conflyin excavation looking for additional leaks, 4 found 10 this paint win a 20'section. TOSP laite SOUDER, MILLER & ASSOCIATES Serving - New Mexico • Colorado • Arizona • Utah

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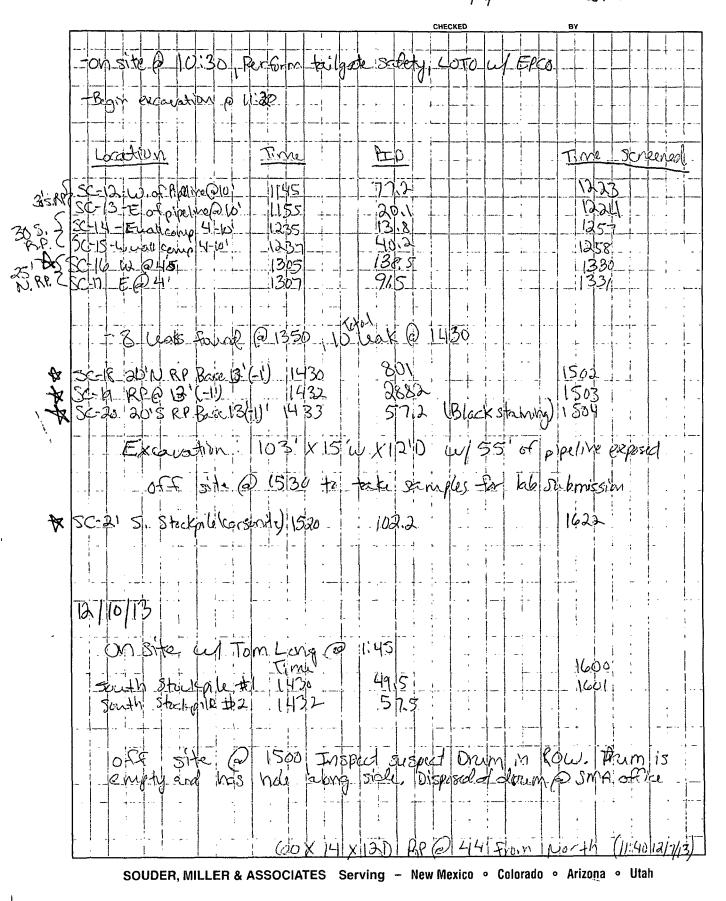
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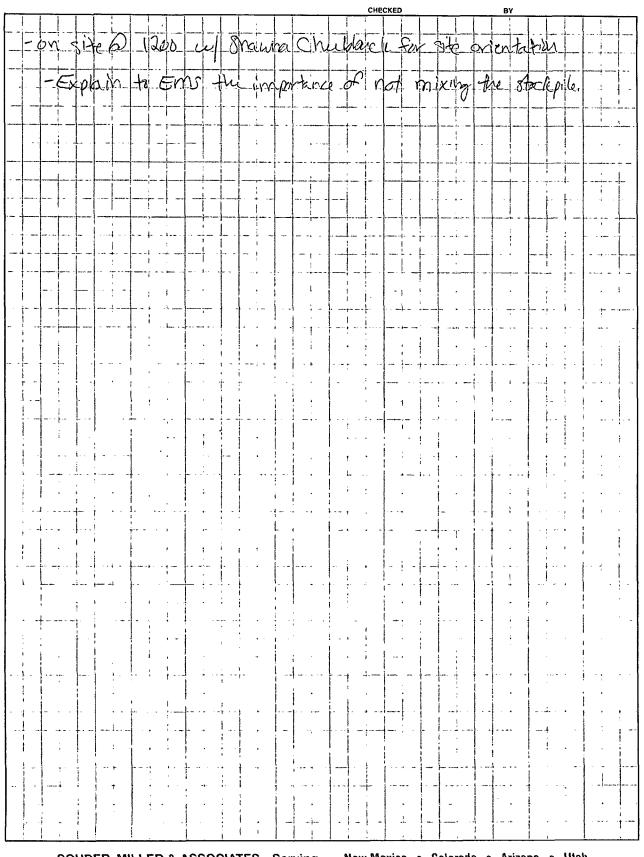
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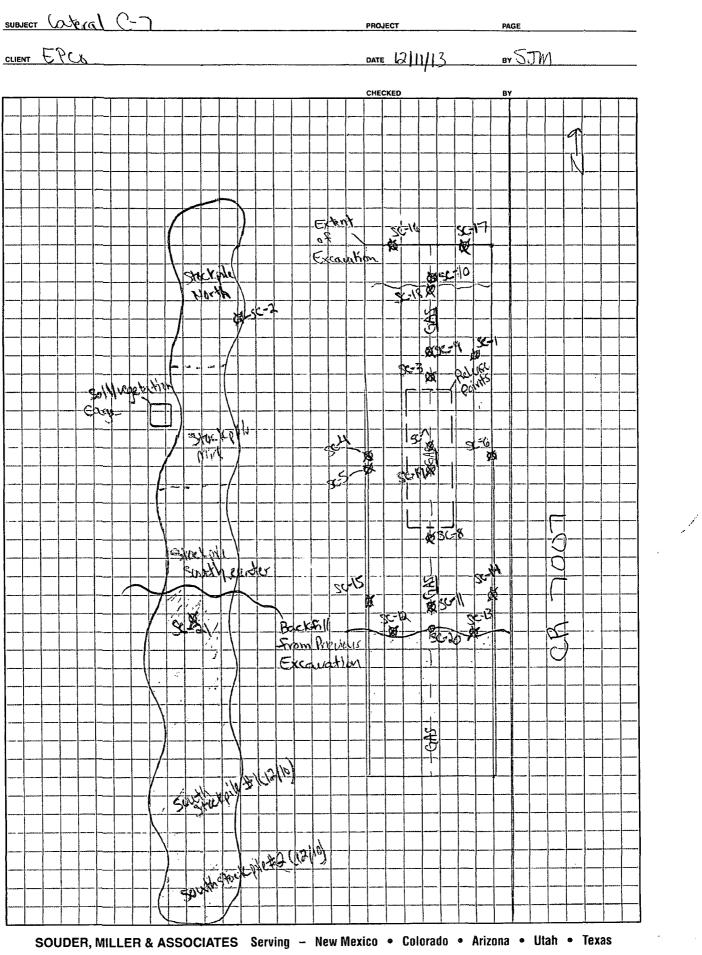
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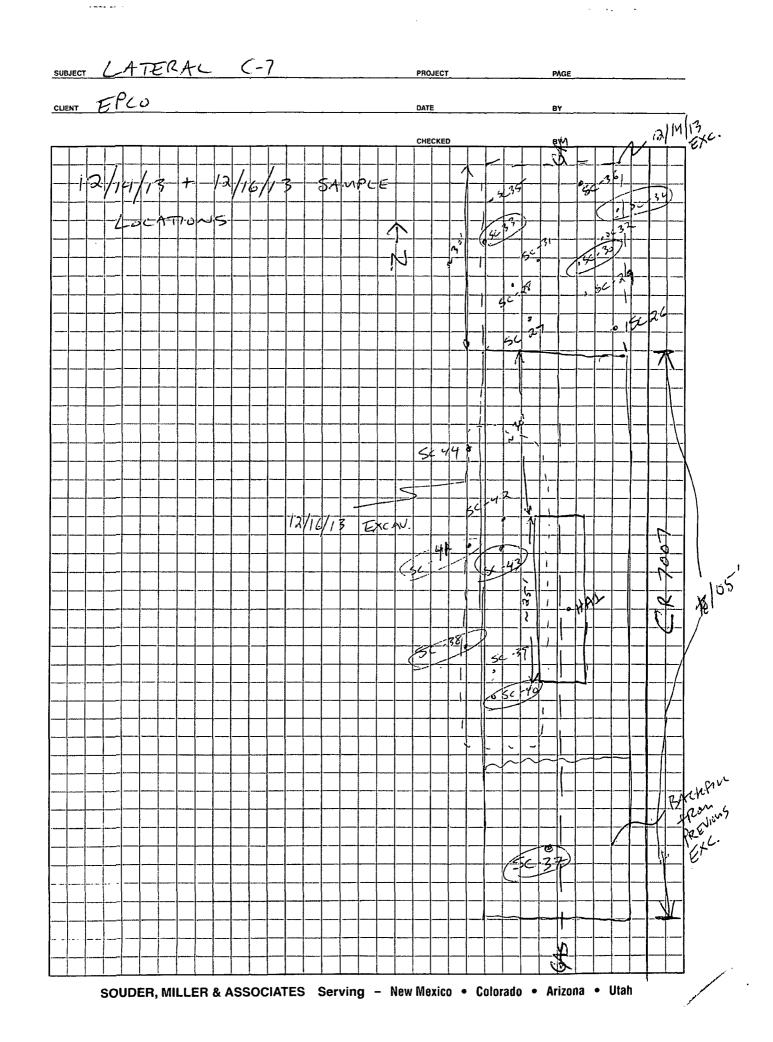
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APPENDIX B

SITE PHOTOGRAPHY

Site Photographs Enterprise Products Lateral C-7 Pipeline Release



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



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

Site Photographs Enterprise Products Lateral C-7 Pipeline Release

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

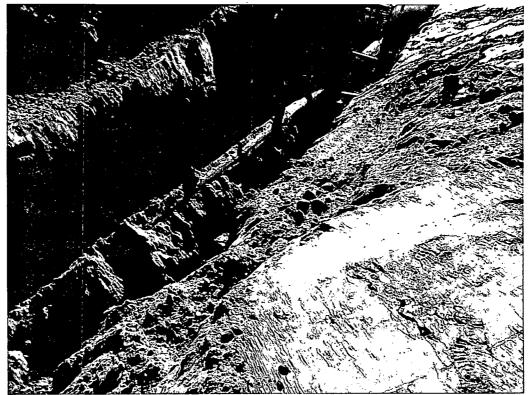


Photo 4: View of faulty section of Lateral C-7 pipeline, approximately 30 feet in length.

Site Photographs Enterprise Products Lateral C-7 Pipeline Release

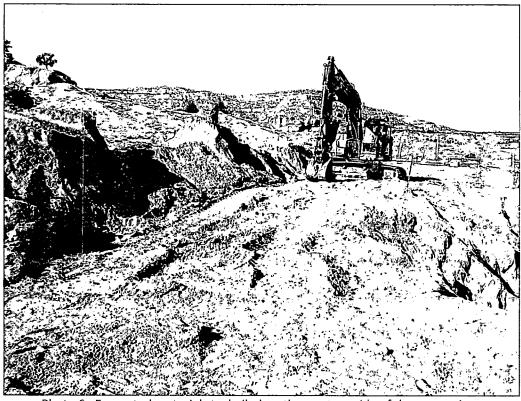


Photo 6: Excavated material stockpiled on the western side of the excavation.

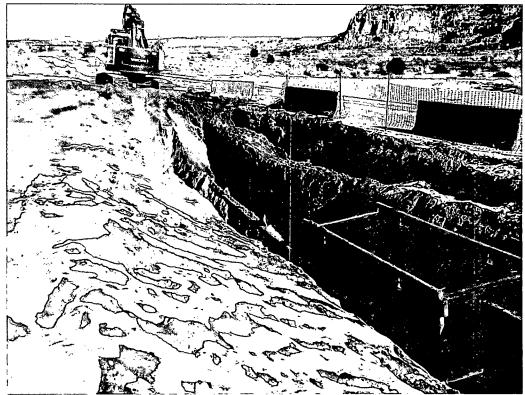


Photo 7: View of the northern section of the excavation. County road along east side of excavation

APPENDIX C

SOIL DISPOSAL DOCUMENTATION



MANIFEST # 45379 DATE 12-12-13 JOB # 97057-1

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEN	NT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	Enter 12'5 C. (Af C-7	CICAN Fill	_	10	-	EM5	310-	13:15	Recipilla-
2	u 4	4 a	4	-	10	-	EMS	30 9	15:30	Regineth
				4	20					
				_						
					· · · · · · · · · · · · · · · · · · ·					
RESULT	S: CHLORIDE TEST /	LANDFARM EMPLOYEE:	0 h		<u> </u>	<u>-</u>	NOTES:			
	PAINT FILTER TEST	Certifi	cation of above rec	ceival & pla	cement					$\overline{\chi}$.
By signing	g as the driver/transporter, I d Generator/Point of Origin a	certify the material and that no additior	hauled from the a nal material has be	bove location					-	
TRANSPO	RTER CO. EMS		NAME	CHININ	150%		d. Signature Date	=_Rei	. Jak	1mm
	CONTACT Mile Se			505) 3	33-2a	י ז ני	DATE	2-10	2-13	
Signature	s required prior to distributio	n of the legal docu	ment.	•						



MANIFEST # 45414

DATE 1211-13 JOB # 97857-0611

LOAD	COM	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	ENHR PRISC BLANCO (ANYON CATC-7	Clean Fill	~	20		Flying M	20	11:15	The Udler
				-	20					
									·	
	· · · · · · · · · · · · · · · · · · ·							1		· · · · · · · · · · · · · · · · · · ·
RESULT		LANDFARM		/	ËL		NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Lare	Le						
/	PAINT FILTER TEST		cation of above re	· · · · · · · · · · · · · · · · · · ·						60
mentione	g as the driver/transporter, I d d Generator/Point of Origin a DRTER CO. <u>Finis</u>	ad that as addition	al motorial has he	an addad a	بفصل امتحادهم بر	-	اس		-	material is from the above
	CONTACT		PHONE	-oy a	ĭ_f-£4.∕_≯		DATE			man
	es required prior to distribution	n of the legal docu	ment.	ny Records, Yello	w - Billing, Pink	Customer				san juan reproduction 578-126



MANIFEST # 45413

DATE 12-16-13 JOB # 97057-661/

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	ORTING	COMPA	NY	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER	SIGNATURE
1	ENTREPRISC BIANIO CANFEN CAL C-7	(FIT-5	Cont Soic	N-26	20	-	Flyint sy	20	11:15	Jokg	Eller
2	ч Ц.	e 4	a 4	N-26	20		u u	RO	13:45	abbe	1 deles
					40			_			
RESULTS					EL	I	NOTES:	. <u>4</u>			
K287	CHLORIDE TEST	EMPLOYEE:	cation of above re	ceival & pla	cement	··					RDC
By signing mentioned	g as the driver/transporter, 1 Generator/Point of Origin a	certify the material	hauled from the a	bove locatio	on has not	o the loa	d.			1	from the above
TRANSPO	RTER CO. <u>Flying</u>	M		10/01	_[]ah,	100	SIGNATURE	Ĭ	by	Zak	lee-
	CONTACT		PHONE	/			DATE		/		
Signature	s required prior to distributio	n of the legal docu	ment.								



MANIFEST # <u>45412</u> DATE <u>12-16-13</u> JOB # <u>97057-6611</u>

LOAD	COMI	PLETE DESCRIPT	ION OF SHIPMEN	•т			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	Enterphise Blanis Canyo, A Lat C-7	ckm Fiy		10		EMS	310 - 309	10:30	Kay yè Toosi
		(A+C-)							12:55	Kone Ismi
					ID					191
										· · · · · · · · · · · · · · · · · · ·
RESULT		LANDFARM EMPLOYEE:	6/2	1	EL		NOTES:			
	PAINT FILTER TEST		cation of above rec		coment					RP
By signing	g as the driver/transporter, I d					been add	ded to or tampered	with. I ce	rtify the	•
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TRANSPO	RTER CO. <u>EMS</u> CONTACT <u>Mk Sw(C)</u> r contact <u>mk Sw(C)</u> r required prior to distribution	/	NAME/_	reppe.	2-11/2			<u> xey</u>	gy 1	ś Cu
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MANIFEST # 45411

DATE 12-16-13 JOB # 97057-0611

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 874	PHONE: (505) 632-0615	 5796 U.S. 	HIGHWAY 64 •	FARMINGTON	NEW MEXICO	8740
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LOAD	COMF	PLETE DESCRIPT					TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTER PRISE BIAN CO CANYON CAT C-7 CR U	LFII-5	conf Suiz	N-26	10	-	EMS	310- 389	10:30	Kargie Tzore
2	ll ll	l a	q 4	N-26	10	_	u u	310- 309	12:55	Heijge Teosy
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RESULT		LANDFARM	6	V	Ē	2	NOTES:			
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	PAINT FILTER TEST		cation of above re	· · · ·						FIC
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TRANSPO	DRTER CO. <u>EMS</u>			Legare 9	Sasu		SIGNATURE	_K	pper	Soc.
COMPAN	CONTACT Mik Sance	ha		egy e 9 305) 79	13-442	Ģ	DATE	12-1	6 -13	Soc.
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MANIFEST # 45396 DATE <u>12-13-13</u> JOB # <u>97857-061</u>

LOAD	COM	APLETE DESCRIPT	TION OF SHIPMEN	NT			TRANSPO	ORTING	COMPA	1 Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Etech	ENterPrise Banco canyon Cat c-7	Clean Fill		20		FLyingm	20	11:17.	The Unles
		CA+ C-7'			20					
								1		
				_						
RESULT		LANDFARM	66	7	DEC	_	NOTES:			
	PAINT FILTER TEST		cation of above red		cement					<i>E</i> -D
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_	RTER CO. Flying	M	NAME _/	Thy L	ahle.		d. SIGNATURE DATE	Ste	ly h	Juhlen
			PHONE				DATE		-	r
Signature	s required prior to distributi	on of the legal docu	ment.							



MANIFEST # 45395

DATE 12-13-13 JOB # 97857-0611

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

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Blanko CANYON (A+C-7 4 4	LFII=5	Cont Soic	N-26	20	-	Flyingm.	20	7111	John adden
2	a u	ll u	q q	N-26	20	_	2 4	20	15:05	Toby Inter
				-	40					U
				i] 			
RESULT	S: ·	LANDFARM	61	J	/ _		NOTESENTER	ED DE	C 2 0 2	2013
\$ 287	CHLORIDE TEST	EMPLOYEE:	Harre	to						
	PAINT FILTER TEST		cation of above re				· · · · · · · · · · · · · · · · · · ·			F-DC/
	g as the driver/transporter, I d d Generator/Point of Qrigin a	برجا فالمام ورجر فمطف لمري	بالمحمد الملاحم مسالي		فساله منامس م				-	
TRANSPO	RTER CO. <u>F/y/ng</u>	<u>M</u>	NAME 2	oby h	killer		SIGNATURE	de	ka	Valle_
COMPAN	CONTACT		PHONE							
Signature	s required prior to distributio	n of the legal docu	ment.			•				

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MANIFEST # _____45394

DATE 12-1373 JOB # 97057-0611

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPAN	٩Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-Jech	ENHESRISC BIANIC CANYON	Cienan Fill	-	20		Richey	21	10:53	an Thitis
		CA+ C-7								
					20					
; 										
RESULT		LANDFARM EMPLOYEE:	2 h	1	I EL	-	NOTES:			
	PAINT FILTER TEST /	Certifi	cation of above red	ceival & pla	cement					P.D
By signing mentioned	g as the driver/transporter, I d Generator/Point of Origin a	certify the material and that no addition	hauled from the a nal material has be	bove location	on has not r mixed int	been add 6 the load	ded to or tampered d.	with. I ce	rtify the	material is from the above
TRANSPO	RTER CO		NAME	ful	$1/1^{+}$	the	ZSIGNATURE	C,	-7.00	Tritel
			PHONE_C	137	3550			ic1	3	/3
Signature	s required prior to distributio	n of the legal docu	ment.	<i>1</i> -				,	/	



MANIFEST # _45393

DATE 13-13 JOB # 97057-0611

LOAD	CON	PLETE DESCRIP	TION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	SWHIRPRISC Bladd) (A-40-	(F#-5	cont Soit	1.26	20	-	Richey	71	1057	Khun Thick
2	CATC-7 a	a a	u 9	1-26	20	-	ie / ie	21	N:50	Chin T. Kithy
				-	40					
RESULT	Y		6/		EL		NOTES:			
<287	CHLORIDE TEST	EMPLOYEE:	Alere							RDC
<u> </u>	PAINT FILTER TEST / Certification of above receival & placement									
By signin mentione	g as the driver/transporter, i d Generator/Point of Origin	and that no addition	nauled from the a nal material has be	en added c	on has not or mixed int	been ad the loa	ded to or tampered d.	with: I.ce	filly the	material is from the above
TRANSPO	DRTER CO.			frem	741	th		Jen.	11/	Stony
			PHONE	432	<u> </u>	hZ	DATE	<u> </u>	2	3 13
Signature	es required prior to distribution	on of the legal docu	ment.		· •		L.		. ,	-



MANIFEST # __45392

DATE 12-13-13 JOB # 970.57-0611

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

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-fech	EUHAPPSC Bigseo CA You LAT C-7	cium Fill	_	20		YUCCA	AF4	18:55	Kengh
					20					
										N.
						_				
RESULTS	S: CHLORIDE TEST /	LANDFARM EMPLOYEE:	6	\checkmark	ĒL		NOTES:			
\vdash	PAINT FILTER TEST /		cation of above red	ceival & pla	cement					Pa
By signing as the driver/transporter, I certify the material hauled from the above location has not bee mentioned Generator/Point of Origin and that no additional material has been added or mixed into the							ded to or tampered	with. I ce	rtify the	material is from the above
TRANSPO	RTER CO			enryA	men	ta	SIGNATURE	-D	Unth	
COMPANY	RTER CO		PHONE	()			DATE	<u> </u>		\

Signatures required prior to distribution of the legal document.



MANIFEST # 45391

DATE 12-13-13 JOB # 97857-0611

LOAD COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY											۱Y	
NO.	POINT O	FORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
Z	ETRATR. SO CANYON LA	- BIAN (0 + C-7	(FJ-5	Conf Soil	2-26	20	-	YUCCA	AF4	19:55	Lengt	
2	4	4	, 4 0	" 0	1-26	20		4 0	AFY	14:50	1 Martin	
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		· · · · · · · · · · · · · · · · · · ·							<u> </u>			
RESULT くこが7	S: CHLORIDE T	EST	LANDFARM EMPLOYEE:	S.		EL		NOTES:				
	PAINT FILTE		Certifi	cation of above re	ceival & pla	cement			1		RAC	
	y signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above entioned Generator/Point of Origin and that no additional material has been added or mixed into the load.											
		-			lenny	•		SIGNATURE		W/		
		s to diotributi	on of the legal docu		0			DATE	· /þ			



MANIFEST # _______ 45390 DATE <u>(2.13.13______</u> JOB # <u>97857-0(11___</u>___

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	IT.			TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Envirotech	ENterprise Blanco Cinyon	Cleun Fillsuil	· ········	12	-	EMC 31)-31	1025	Reginald Tsosp	
2	U V	W W	en en		12		EMC 311	310 309	13:15	Reginal bri	
					24					, <i>y</i> ,	
RESULTS		LANDFARM EMPLOYEE:	C. Plin	<u></u>	ĒĻ		NOTES:	1			
PAINT FILTER TEST / EMPLOYEE: CrayRobenson PAINT FILTER TEST / Certification of above receival &										PD	
mentioned	By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above nentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
TRANSPO	RTER CO. EMS		NAME/	heerque .	Troy		SIGNATURE	_/ly	194	TURN	
COMPANY	CONTACT Mile Sure	12	PHONE(50)	79341	26	DATE/	2-13	-13		
Signature	RANSPORTER CO. EMS NAME Rec. gia Signature Signature Curry gia Torsi OMPANY CONTACT Mile Signatures PHONE 5-05 793-4426 DATE 12-13-13										



MANIFEST # ____45389

DATE 12-13-13 JOB # 97057-061

								and the second			
LOAD	C	OMF	PLETE DESCRIPT	ION OF SHIPMEI	T			TRANSPO	RTING	COMPAN	NY
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENterprise Blanco Canyon Lat C. 7		LFII-5	CONT	N-26	12	-	EMS 310	-39	1024	- Levinde The
2	La+C.7	U	4 U	e 4	N-26	12		EMS	310	13:15	Regnely has
						24				15:55	Coince m.
											, , , , , , , , , , , , , , , , , , , ,
RESULT	S:		LANDFARM			ĒL	-	NOTES:			
287	CHLORIDE TEST	1	EMPLOYEE:	Gary K	sins		-			· · · · · · · · · · · · · · · · · · ·	
	PAINT FILTER TEST	1		cation of above rec	ceival & pla	cement			_		poc
	signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above ntioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
		-			1	1.				-11	1

TRANSPORTER CO. ETUS	NAME Keggie Asosi	SIGNATURE / leg ray 2
COMPANY CONTACT 24/14 Saucher	PHONE 15-05) 793 - 4424	DATE 12-13-13
Signatures required prior to distribution of the legal document.		



MANIFEST # 45387

DATE 12-12-13 JOB # 97857-0611

LOAD		PLETE DESCRIPT	······································				TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	enterplise Lat C-7	LFIT	Cont Soiz	M-25	20	-	Richey	(71	16:15	Chin TRikk
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			t mar administrativa esa esa esa esa esa esa esa esa esa es							
			<u> </u>				<u></u>			
RESULTS		LANDFARM EMPLOYEE:	26	1	EL		NOTES:	_		
	PAINT FILTER TEST	<i>Q</i>	cation of above re	ceival & plac	cement					(S.C
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that an additional material has been added or mixed into the load.										
COMPANY CONTACT SHIM PHONE 6323550 DATE 21213										
Sionature	s required prior to distributio	n of the legal docul	ment.							



MANIFEST # _____45385

DATE 12-12-13 JOB # 97057-8611

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 874	PHONE: (505	ONE: (!	: (505) 632-0615 • 579	96 U.S. HIGHWAY	' 64 • FARMING	TON, NEW MEXICO 87	'401
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LOAD	СОМ	IPLETE DESCRIPT	ION OF SHIPME	NT	- <u></u>		TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPESC LAP C-7	(FI-5	Cont Soil	M-25	10	-	EMS	310 - 309	15:30	Rennell Ini
				-						
					10					
<u> </u>							• • • • • • • • • • • • • • • • • • • •			
RESULTS		LANDFARM EMPLOYEE:	6)m	1.	EL	-	NOTES:			
- a0 8	PAINT FILTER TEST					PDC				
	as the driver/transporter, I Generator/Point of Origin a	and the second distance	al material has he			- Ale - La -			•	
TRANSPO	RTER CO. <u>EMS</u> CONTACT <u>M. 4</u> Sur		NAME	Reiginald	1som		SIGNATURE	Kaj	ill-	<u>1</u>
COMPAN	CONTACT Mile Sur	chez		505) 79	13-442	4	DATE	12-10	2-73	
Signature	s required prior to distributio	on of the legal docu	ment.							



MANIFEST # _____45381

DATE 12-12-13 JOB # 97057-0611

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	T			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
7	E-tech	ENTER PRISE LAY C-7	Clean Fill		20	_	Pichey'	L71	13:50	Clan TR, the
					20					1
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							- 			
			a the public of a factoria start							
RESULTS		LANDFARM EMPLOYEE:	Dave		I EL		NOTES:		I	
	PAINT FILTER TEST	cation of above rec					PD			
mentioned	g as the driver/transporter, I o d Generator/Point of Origin a	nd that no addition	al material has be	en added o	r mixed into	the load	j.	4.	.]	material is from the above
TRANSPO		. <u>1997 - a</u> r 1997 - 1997 - 1997 - 1997 - 19 97 - 1997 -	NAME	Elever	TKI	Icha		Lep	24 -	1 Ktchig
COMPANY	CONTACT	* • • • • • • • • • • • • • • • • • • •	PHONE	632	3536	!	DATE	isa_	12_	13
Signatures required prior to distribution of the legal document.										

APPENDIX D

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LABORATORY ANALYTICAL REPORTS

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 8750

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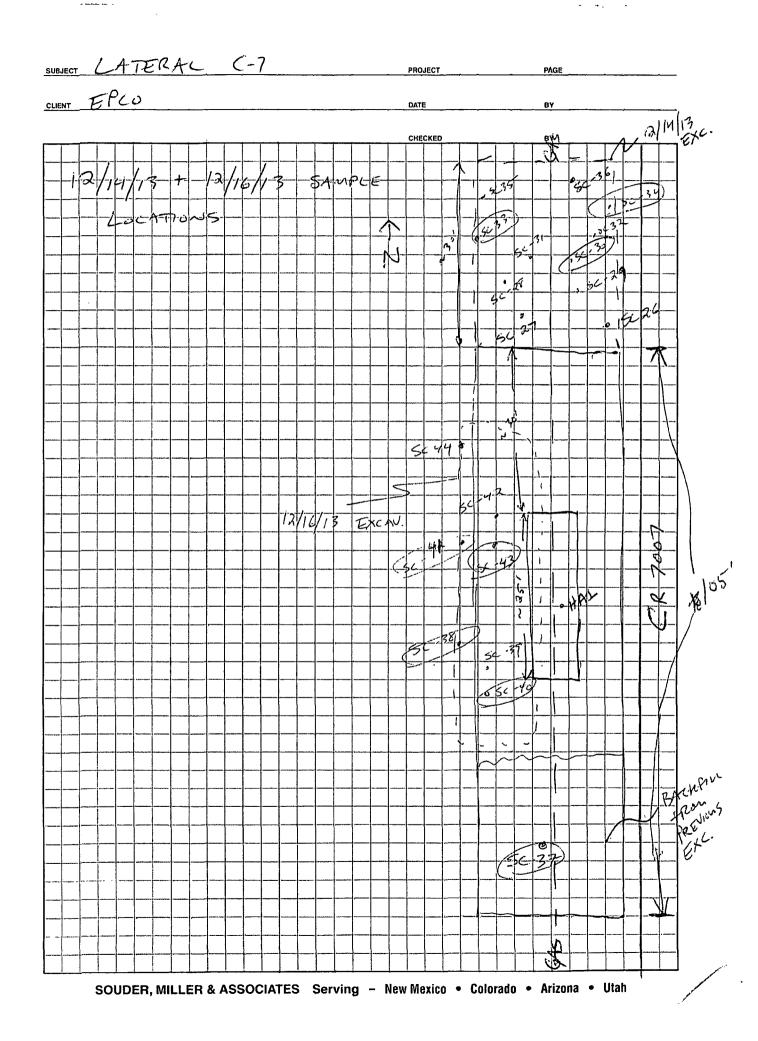
State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

DO

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Source of Re	lease: Natu	ral gas meter	tube/mete	r run/Methanol T	ank					overy: 12/17/2013
Was Immedia	ate Notice C		Yes [No 🗆 Not R	equired	If YES, To				
By Whom?	Thomas Lor						Jour 12/17/2013 A	1:02 n m	MINCED	1014.4
						If YES, Vo	olume Impacting t	he Watercourse.	<u>avoilu</u> 111 Agaic	
			Yes 🗵	No						
If a Watercou	irse was Im	pacted, Descr	be Fully.	*.						
Natural gas/l	Methanol/C December	ondensate liq 21, 2013. Ap	uids/Paraf proximate	fin impacted an a ely 50 cubic yards	s of imp	acted soil and	approximately 7	barrels of water an	nd soil (hydro	
regulations al public health should their o or the environ	Il operators or the envir operations h nment. In a	are required to ronment. The ave failed to a ddition, NMC	o report an acceptand dequately OCD accep	nd/or file certain r ce of a C-141 repo investigate and r	elease r ort by th emediat	notifications a ne NMOCD m te contaminati	nd perform correct arked as "Final R ion that pose a thr	tive actions for rel eport" does not rel eat to ground wate	leases which lieve the oper r, surface wa	may endanger ator of liability ter, human health
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Signature:	- Jav	(, _ <u>/</u>	ulf_					1 m	W	VC
Printed Name	e: Jon E. Fie	elds		<u>. </u>		Approved by	Environmental S	pecialist.	>	h
Title: Sr. Dire	ector, Envir	onmental				Approval Da	te: 4/28/1	14 Expiration	Date:	
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APPENDIX B

SITE PHOTOGRAPHY

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Site Photographs Enterprise Products Lateral C-7 Pipeline Release



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



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

Site Photographs **Enterprise Products Lateral C-7 Pipeline Release**



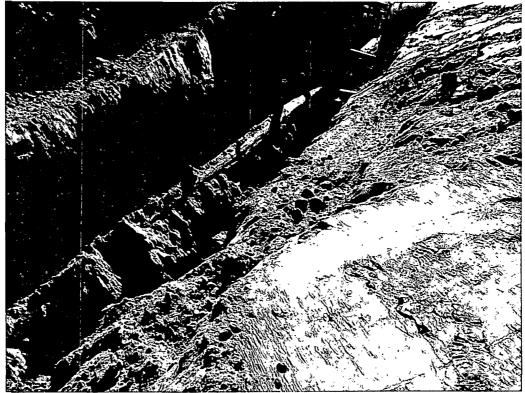


Photo 4: View of faulty section of Lateral C-7 pipeline, approximately 30 feet in length.

Site Photographs Enterprise Products Lateral C-7 Pipeline Release

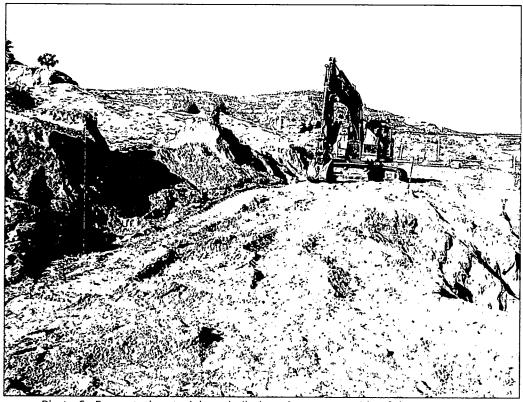


Photo 6: Excavated material stockpiled on the western side of the excavation.

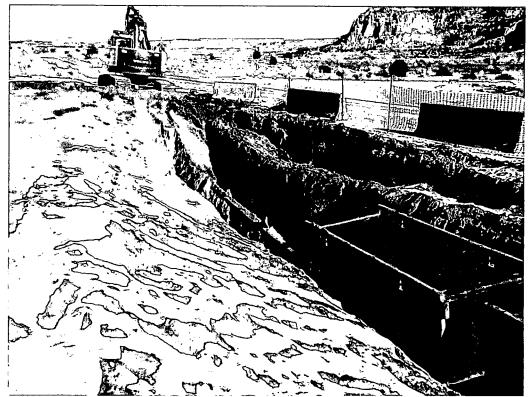


Photo 7: View of the northern section of the excavation. County road along east side of excavation

APPENDIX C

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SOIL DISPOSAL DOCUMENTATION



MANIFEST # _ 45379_ -06 H

DATE 12-12-13 JOB # 97057-1

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEN	TRANSPORTING COMPANY									
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
2	E-tech	Enter 12:5 C-7	CICAN FIII		10	_	EMS	310-	13:15	Regional 2-			
2	u 4	4 a	4	-	10	-	Ens	30 9	15:30	Reginal h-			
				4	20					/ //			
							, <u>, , , , , , , , , , , , , , , , , , </u>						
								;					
RESULT	S: CHLORIDE TEST	LANDFARM EMPLOYEE:		L	· · · ·	<u>E</u> L	NOTES:			1			
1	PAINT FILTER TEST / Certification of above receival & placement												
By signing mentione	g as the driver/transporter, 1 d Generator/Point of Origin a	certify the material and that no additior	hauled from the all hal material has be										
TRANSPO	TRANSPORTER CO. EMS NAME REMARK THE SIGNATURE REMARKED												
COMPAN	OMPANY CONTACT Mike Smather PHONE (505) 333-2003 DATE 12-12-13												
	s required prior to distributio												



MANIFEST # _45414

DATE 12-16-13 JOB # 97057-0611

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	NT		-	TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-fech	ENTERNISC BLANCO CANYON CATC-7	CKAN Fill	~	20	-	Flying M	20	11:15	The Udler
				-	20	+				
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RESULT	S:	LANDFARM	\bigcirc		EL	<u>. </u>	NOTES:	· .	·	
	CHLORIDE TEST	EMPLOYEE:	Dare	L						
/	PAINT FILTER TEST	1	cation of above re	-						<i>bc</i>
By signing mentione	g as the driver/transporter, I d d Generator/Point of Origin a	certify the material and that no additior	hauled from the a nal material has be	bove location	on has not r mixed into	been add o the load	ded to or tampered	with. I ce	ertify the	material is from the above
TRANSPC	RTER CO. Flying		NAME TOby Wohly			SIGNATURE	-À	hag	tales_	
By signing as the driver/transporter, I certify the material hauled from the a mentioned Generator/Point of Origin and that no additional material has b TRANSPORTER CO. Firmford NAME							DATE		<i>v</i>	
Signature	s required prior to distributio	n of the legal docu	ment.	av Records Vella						ton ium mondurium 578,196



MANIFEST # _ 45413

DATE 12-16-13 JOB # 97057-6611

PHONE: (505) 632-0615 •	5796 U.S.	HIGHWAY 64 •	FARMINGTON,	NEW MEXICO	8740
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LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSP	ORTING	COMPAN	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTREPRISC BIANIO CANTON CAT C-7	(##-5	Conf Soic	N-26	20	-	Flying my	20	11:15	Joby Walles
2	4 U U	<i>u u</i>	a 4	N-26	20		10 U	20	13:49	Tobe Lales
					40					
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			PHONE		····· · · · · · · · · · · · · · · · ·		DATE		/	
Signature	s required prior to distributio	n of the legal docu	iment.							



MANIFEST # 45412

DATE 12-16-13 JOB # 97057-0611

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

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	
2	E-tech	ENTERPHISE BIANIO CANVO, A LATC-7	ckan Fiy	-	10		EMS	310 - 309	10:30	Kay yê Toosû
		(n+ c-)							12:55	Kone Isini
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RESULTS	S:	LANDFARM	6/	1	EL		NOTES:	<u> </u>		
/	CHLORIDE TEST	EMPLOYEE:	Have	- Le						
	PAINT FILTER TEST	Certifi	cation of above rec	ceival & pla	cement					RD
mentioned	g as the driver/transporter, I d d Generator/Point of Origin a	certify the material nd that no addition	al material has be	en/added o	r mixed into	been add b the load	ded to or tampered		7	
TRANSPO	RTER CO. <u>EMS</u>		NAME/	Leggie.	bocce		SIGNATURE	Key	yu 1	len
COMPANY	CONTACT Mile Save	her	PHONE	<u>505) 79</u>	7-142	2	DATE)-16-	13	

Signatures required prior to distribution of the legal document.



MANIFEST # 45411

DATE 12-16-13 JOB # 97057-0611

PHONE: (505) 632-0615 • 5	5796 U.S. HIGHWAY 64 •	FARMINGTON, N	EW MEXICO 8740 ⁻
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LOAD	COMF	PLETE DESCRIPT	ION OF SHIPME	NT		· <u>·</u> ····	TRANSPO	RTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTER PRISE BIAN 10 CANYON CAT C-7	LFI-5	conf Soiz	N-26	10		EMS	310- 389	10:30	Kaqie Tzore
2	le l	ll a	9 U	N-26	10	_	u u	310-	12:55	Keije Tsosy
					20					
							·			
			\bigcirc							
RESULT		LANDFARM	10/2		Ē	2	NOTES:			
287	├ ────────────────────────────────────	EMPLOYEE:								FIC
By signing	PAINT FILTER TEST		****			heen ad	led to or tampered	with I ce	ertify the	
mentione	d Generator/Point of Origin a	nd that no additior	al material has be	en added o			لہ			
	RTER CO. EMS	-		egoja J	5050		SIGNATURE	_/{	yge.	Soc-
	CONTACT Mik Sauce	ha	NAME	505) 79	13-442	.Ç	d. SIGNATURE DATE	121	16 -13	}
Signature	s required prior to distribution	n of the legal docu	ment.	• • • • •		•				



MANIFEST # 45396 DATE 12-13-13 JOB # 97857-0611

LOAD	COM	IPLETE DESCRIPT	ION OF SHIPME	NT		<u></u>	TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
2	Etreh	ENterPrise Blanco canyon LATC-7	Cleun Fill		20		FLyingm	20	11:17	The Unles	~
		CA+ C-7'			20	†				. /	~
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RESULT			6 L	7	DE		NOTES:				
	CHLORIDE TEST		EMPLOYEE: Dave da						¢.=====	E D	•
PAINT FILTER TEST / Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from t											
mentione	d Generator/Point of Origin	and that no addition	al material has be	en added o	or mixed into	o the loa	, d			/	
	RTER CO. Flying				ah/e			- Ot	ng h	Jahlen	
	COMPANY CONTACT PHONE DATE DATE DATE										



MANIFEST # _____45395

DATE 12.13-13 JOB # 97857-6611

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64	FARMINGTON, NEW MEXICO 87401
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LOAD	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Blacks CANYON CATCO 4 4	LFII-5	Cont Soil	N-26	20	-	Flyingm.	20	1117	the Unlex
2	a u	4 4	9 4	N-26	20		2 4	20	15:05	Toby Inter
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	PAINT FILTER TEST	Certifi	Certification of above receival & placement							FDC
By signing mentioned	g as the driver/transporter, I d d Generator/Point of Origin a	certify the material nd that no additior	hauled from the a nal material has be	bove locati en added d	on has not or mixed int	been ad o the loa	ded to or tampered d.	with. I ce	ertify the	material is from the above $AA = A$
TRANSPO	d Generator/Point of Qrigin a particle $\frac{7}{7}$	<u>M</u>	NAME 7	oby h	kile.	<u> </u>	SIGNATURE	do	kg_	Thele
COMPANY			PHONE				DATE		~	
Signature	s required prior to distributio	n of the legal docu	ment.	_		_				



MANIFEST # _____45394

DATE 12-1373 JOB # 97057-0611

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

				TRANSPORTING COMPANY						
LOAD	COM	PLETE DESCRIPT					I HANSP			NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	ENHESR'SC BLANCE CANYON	Clenn Fill	-	20		Richey	21	10:53	Ch. Thito
		CA+ 6-7								
					20					
· · · · · · · · · · · · · · · · ·										
- <u></u>										
										······
RESULTS	Ċ.	LANDFARM	6	1	P EL		NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Agre	1=						
	PAINT FILTER TEST /		cation of above red							PD
By signing mentioned	g as the driver/transporter, I d Generator/Point of Origin a	certify the material and that no addition	hauled from the a al material has be	bove location	on has not r mixed int	been add 6 the load	led to or tampered d.	with. I ce	rtify the i	material is from the above
TRANSPO	RTER CO			ful	1/1-	the	ZSIGNATURE		-Ter	1 Nikel
			PHONE	337	3550			ic1	3	/ 2,
Signature	s required prior to distributio	n of the legal docu	ment.	<i>/ /</i>		_		ť	/	

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



MANIFEST # _____45393

DATE 12-13-13 JOB # 97057-0611

LOAD	COM	IPLETE DESCRIP	TION OF SHIPME	NT			TRANSPO	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	GWHRFRISC Bladd (a-yor	(F#-5	cont Sois	1.26	20	-	Richey	71	1053	Up Thick
2	CAFC-> a	a a	u q	N-26	20		u u	21	N:50	Chin T. Kithy
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								1		
				+						
			·····							
				<u> </u>						
RESULT	L S:	LANDFARM	6		EL	<u> </u>	NOTES:	I	<u> </u>	
<287	CHLORIDE TEST	EMPLOYEE:	APLOYEE: Land							
	PAINT FILTER TEST								RPC	
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TRANSPC	ORTER CO			-V/	TK1	th		Jen.	417	Stony
COMPAN					35	hZ	DATE	June (2/	3 13
Signature	es required prior to distribution	on of the legal docu	iment.	1 Acres 1						· •



MANIFEST # ____45392

DATE 12-13-13 JOB # 970.57-0611

	PHONE: (505) 632-0615	• 5796 U.S. HIGHWA	Y 64 • FARMINGTON	, NEW MEXICO 87401
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LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-tech	EUHAPPSC Bigseo CA-YON LATE-7	Citter Fill		20		YUCCA	AF4	18:55	Kingh
					20		ľ			
										J
RESULT	S: CHLORIDE TEST /	LANDFARM EMPLOYEE:		L	ĒL		NOTES:			
\square	PAINT FILTER TEST	Certific	cation of above rec	ceival & pla	cement			١		Pa
By signing mentioned	g as the driver/transporter, I d d Generator/Point of Origin a	certify the material and that no addition	hauled from the a al material has be	bove location	on has not r mixed into	been add	ded to or tampered d.	with. I ce	rtify the	material is from the above
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	RTER CO			<u>()</u>			DATE	· h		
	s required prior to distribution							•	•	• • • • • • • • • • • • • • • • • • • •



MANIFEST # _ 45391

DATE 12-13-13 JOB # 97057-0611

LOAD	0	COM	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	RTING	COMPAN	NY
NO.	POINT OF ORIGIN	1	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
Z	ENRAFR. S- BIANC CANYON LAF C-7	0	LFIT-5	Conf. Soil	2-26	20	-	YUCCA	AF4	19:55	Kendy
2	4	U	4 0	4 0	1-26	20		4 6	AF4	14:50	MANAT
						40					p V.
RESULTS く2分7			LANDFARM EMPLOYEE:	5 b		ΕĽ		NOTES:			
(4)	PAINT FILTER TEST			cation of above rec	ceival & pla	cement			\		FRC
By signing	g as the driver/transport d Generator/Point of Ori	er, 1 c	ertify the material	hauled from the a	bove locatio	on has not l	been add	ded to or tampered v	with I ce	rtify the	material is from the above
	RTER CO.	-			evry			SIGNATURE		W	
COMPANY				PHONE	0			DATE	10		~
Sianature	s required prior to distrib	outior	n of the legal docul	ment.						N	



MANIFEST # 45390 DATE (2.13.13 JOB # 97857-0611

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	RTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	ENterprise Blanco Cinyon Late - 7	Clean Fillsoil		12	-	EMC 31) -31	1025	- Reginald Tsospo
2	u u	4 4	er er		12		EMC 31	310 309	13:15	Regindel brin
				•	24					<i>, ,,,</i>
										<u></u>
RESULTS		LANDFARM EMPLOYEE:	(m. P. Lin		Ē		NOTES:		L	
		Certific	cation of above rec	ival & pla	cement					PD
montiono	g as the driver/transporter, I d d Generator/Point of Origin a	nd that no addition	al material has he	en added o	r mixed into	h the load	d .	_	-	
TRANSPO	RTER CO. <u>EMS</u> CONTACT <u>M. K. Surel</u>		NAME/	heefque	Trong		SIGNATURE	_/ ly	194	TSOR
COMPANY	CONTACT Mile Surel	42	PHONE(50)	793-44	26	DATE/	2-13	1-13	
Signature	s required prior to distribution	n of the legal docui	ment.							



45389 MANIFEST #

DATE 12-13-13 JOB # 97057-061

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

LOAD		СОМІ	PLETE DESCRIPT	ION OF SHIPMEI	NT			TRANSPO	RTING	COMPA	NY	
NO.	POINT OF ORIGI		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENterPrise BLONCO Canyor Lat C. 7	<u>,</u>	LFII.5	CON + Soil	N-36	12	-	EMS 310 EMS	-39	1024	- Leginel The	
2	La+C.7	U	4 4	<i>v</i> 4	N-26	12		EMS	310 309	13:15	Contel bis:	
						24			_	15:55	Regitile for-	
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	,											
				<u> </u>								
RESULTS	5:		LANDFARM			ĒL	-	NOTES:				
2 287	CHLORIDE TEST	1	EMPLOYEE:	Cary K	gins	m	-					
	PAINT FILTER TEST	l	Certific	cation of above red					Poc			
mentioned	d Generator/Point of O	rigin a	nd that no addition	al material has be	en added o	r mixed into	the load	J .			material is from the above	
TRANSPO	RTER CO. <u>FIM</u>	5		NAME	Regie	Asosi		SIGNATURE		ind	2	
COMPANY	CONTACT 7414	San	der		505) 79	3-4424	r H	DATE/_				

COMPANY CONTACT 14 Suncles

Signatures required prior to distribution of the legal document.

PHONE (5-05)



MANIFEST # ____45387

DATE 12-12-13 JOB # 97857-0(11

LOAD	CON	MPLETE DESCRIPT	TION OF SHIPME	INT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Enterplise LAL C-7	LFI	Cont Soiz	M-25	20		Pichey	(71	16:15	Chen TRIK
					20			-		
										· · · · · · · · · · · · · · · · · · ·
RESULTS		LANDFARM EMPLOYEE:		1	EL		NOTES:		I	
~ 207	PAINT FILTER TEST	í	cation of above re	eceival & plac	cement					C.S.C
mentioned TRANSPO	as the driver/transporter, Generator/Point of Origin RTER CO. <u>KI</u> CC	I certify the material and that no addition	hauled from the a nal material has b NAME PHONE	above location	on has not r mixed int 1 + 2 + 2 7 + 5 + 5	been add of the load	ded to or tampered dSIGNATURE DATE	1	ertify the	material is from the above $\frac{1}{7}$
	s required prior to distributi	on of the legal docu						-cy1	- <i>V</i>	



MANIFEST # ____45385

DATE 12-12-13 JOB # 97057-8611

LOAD	(000) 000 000 000	COMF	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	N	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPESC LAP C-7		(F#-5	CONT	M-25	10	-	EMS	310 - 309	15:30	Reginal pri
					-						
						10			1		
			· · · · · · · · · · · · · · · · · · ·								
RESULT	· · · · · · · · · · · · · · · · · · ·		LANDFARM EMPLOYEE:	Da		EL	-	NOTES:			
< 187	CHLORIDE TEST	1		cation of above re	ceival & plac	cement					220
			ertify the material	hauled from the a	above locatio	on has not					material is from the above
	CONTACT MIKe	54/1	the		<u>505) 7</u> 4	13-442	4	DATE	12-17	2-73	
Signature	s required prior to distri	Dutior	n or the legal docu	ment.							



MANIFEST # ____45381

DATE 12-12-13 JOB # 97057-0611

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64	FARMINGTON, NEW MEXICO 8740
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LOAD	C	OMP	LETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPAN	١Y
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
7	E-fech		ENTER PRISE LAY C-7	Clean Fill		20	-	Richey	L71	13:50	Can TR, then
			,			20					
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										[
	an a										
	· · · · · · · · · · · · · · · · · · ·								<u> </u>		
								······································			
RESULTS	S:		LANDFARM	\frown		1 EL		NOTES:		1	
/	CHLORIDE TEST	7	EMPLOYEE:	Alve	J					<u></u>	
	PAINT FILTER TEST	/	Certific	cation of above rec	ceival & plac	cement					PJD
By signing mentioned	as the driver/transporte Generator/Point of Orig	er, I ce gin an	ertify the material d that no addition	al material has be	en added o	r mixed into	the load	d.		Ž	material is from the above
TRANSPO	RTER CO:				Elvin'	$\Sigma_{K_{12}}$	che	ySIGNATURE	Lep	xu, -)	TKteny
COMPANY	CONTACT	_ ···	~		632	3536	!	DATE	1sa	12_	13

Signatures required prior to distribution of the legal document.

APPENDIX D

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LABORATORY ANALYTICAL REPORTS

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

.

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr.

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

Form C-141 Revised August 8, 2011

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	5			e, NM 875								
			Ral	······			orrective A	otio	<u>n</u>					
			NCR					Cuo		1.5				
Name of Co	mpany: F	Interprise Fie	ald Servi			OPERA'				al Report	\boxtimes	Final Repo		
		Ave, Farming				Contact: Thomas Long Telephone No. 505-599-2286								
		z LS#3 Wel				Facility Type: Meter Tube/Methanol Tank								
Surface Ow	nom Drivo	to.		Minoral (
Surface Ow	ner: Priva	le	· .	Mineral C	Jwner:E	5LIM			API No	•				
						N OF RE								
Unit Letter C	Section 30	Township 30N	Range 8W	Feet from the	North/	South Line	Feet from the	East	/West Line	County San Juan		•		
		Lati	tude	36.78623		Longitud	e <u>-107.71744</u>	ļ						
				NAT	URE	OF REL	EASE							
Type of Rele	ase: Natura	l gas/Methan	ol/Conden	sate liquids/Paraf			Release: Unkno	wn	Volume R	ecovered U	nknow	'n		
Source of Re	lease: Natu	ral gas meter	tube/mete	r run/Methanol T	ank		lour of Occurrenc	e:			covery	12/17/2013		
Was Immedia	ate Notice (liven?					3 @ 10:12 a.m Whom? Brandor	n Powe	@ 10:12 :	a.m				
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By Whom?	Thomas Lor	ıg				Date and Hour 12/17/2013 4:02 p.m.								
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If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	k										
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Signature:	(av						OIL CON	SER	VATION	DIVISIC	$\frac{N}{2}$	\sim		
Printed Name	e: Jon E. Fie	elds	- ¥		,	Approved by	Environmental S	peciali	ist	5,	h			
Title: Sr. Dire	ector, Envir	onmental	···			Approval Da	te: 4/28/1	14	Expiration	Date:				
E-mail Addre		fields@eprod.	com	·	(Conditions o	f Approval:			Attached				
Date: 2-		1022		(713)381-6684		<u>, </u>			<u>_</u>					
Attach Addi	tional Shee	ets If Necess	ary			HNCS	> 141118	35	360	7		$\hat{\mathbf{v}}$		

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9.



January 20, 2014

Project Number: 97057-0612

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

Phone: (505) 599-2124

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

Dear Mr. Long,

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

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

Respectfully submitted, ENVIROTECH, INC.

> Mudatosh

Tiffany McIndsh Staff Scientist <u>tmcintosh@envirotech-inc.com</u>

Enclosures: Spill Cleanup Report

Cc: Client File No. 97057

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865 Ph (970) 259-0615 Fr (800) 362-1879

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

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SUMMARY AND CONCLUSIONS	4
STATEMENT OF LIMITATIONS	4

Figures: Figure 1, Vicinity Map Figure 2, Site Map 12/19/2013 Figure 3, Site Map 12/20/2013 Figure 4, Site Map 12/21/2013

 Tables:
 Table 1, Summary of Analytical Results

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

INTRODUCTION

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

ACTIVITIES PERFORMED

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

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

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

hydrovac activities around the electrical lines.

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

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

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

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

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

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

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

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

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

SUMMARY AND CONCLUSIONS

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

STATEMENT OF LIMITATIONS

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

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

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

Respectfully submitted,

Reviewed by:

ENVIROTECH, INC.

mus Mudatosh

Tiffany McIntosh Staff Scientist <u>tmcintosh@envirotech-inc.com</u>

Greg Crabtree, PE Environmental Manager gcrabtree@envirotech-inc.com

FIGURES

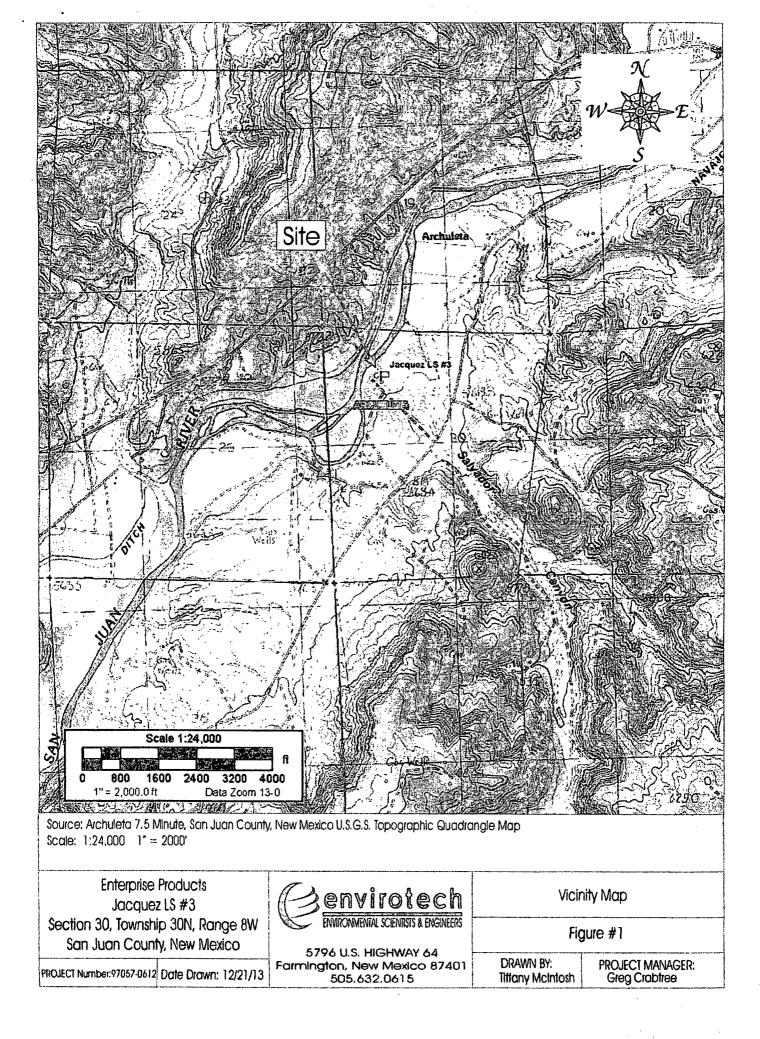
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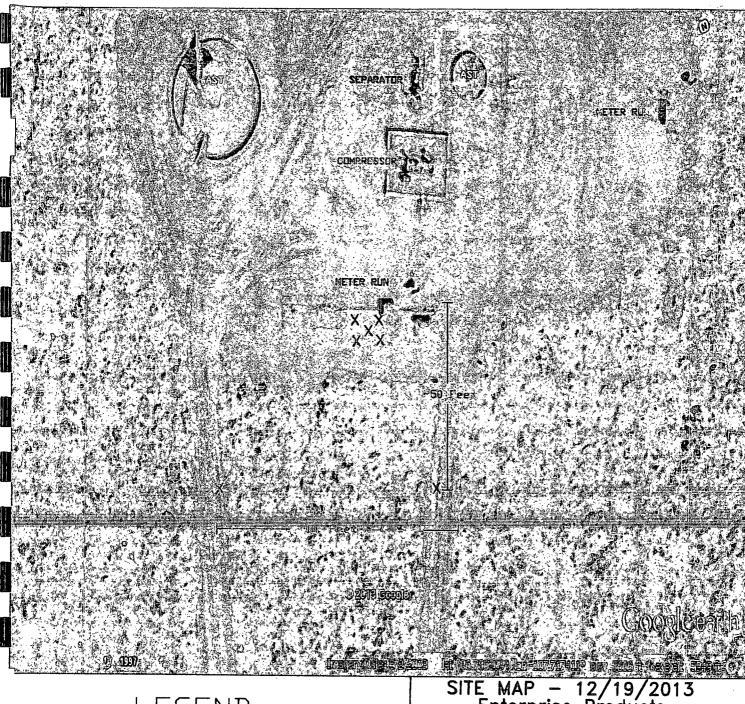
Figure 1, Vicinity Map

Figure 2, Site Map 12/19/2013

Figure 3, Site Map 12/20/2013

Figure 4, Site Map 12/21/2013

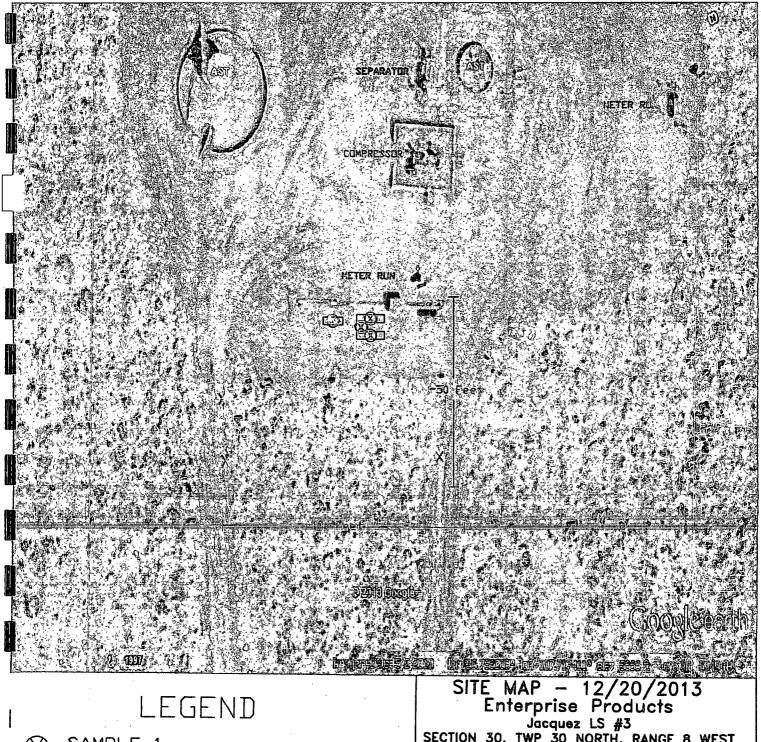


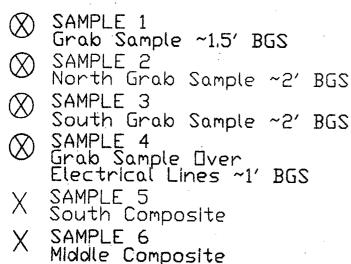


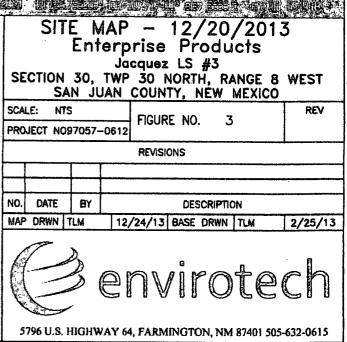
LEGEND

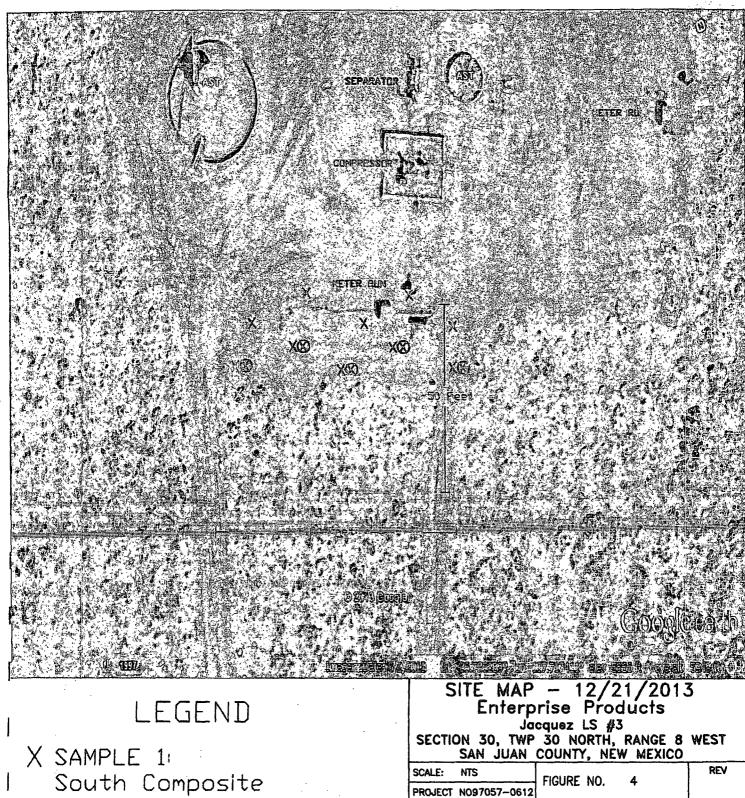
- IX SAMPLE 1: South Perimeter Composite 1 ~50' Horizontally
- IX SAMPLE 2: Near Electrical Lines I ~5" BGS Composite

		7544		77777497				
SE	CTION	Ent 30,	Jac TWP	rise :quez 30 N(Proc LS #3 DRTH.	du s RA	/2013 cts NGE 8 MEXICO	
	LE: NI		-0612	FIGURE	NO.	2		REV
			0012	REVISION	IS			
NO.	DATE	BY			DESCRI			
MAP	DRWN	TLM	12/	24/13 B	ASE DR	NN	TLM	2/25/13
	E	-					te	
- 5	796 U.S.	HIGHV	VAY 64,	FARMIN	GTON,	NM	87401 505	-632-0615

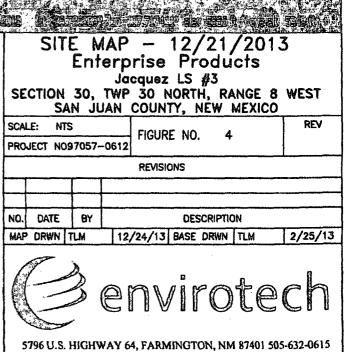








- X SAMPLE 2
- Near Meter Run Composite X SAMPLE 3:
- - Middle Composite 2



TABLES

Table 1, Summary of Analytical Results

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

.

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

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit * Values in **BOLD** above regulatory standards

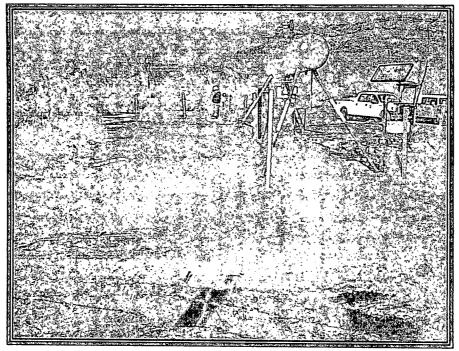
APPENDIX A

,

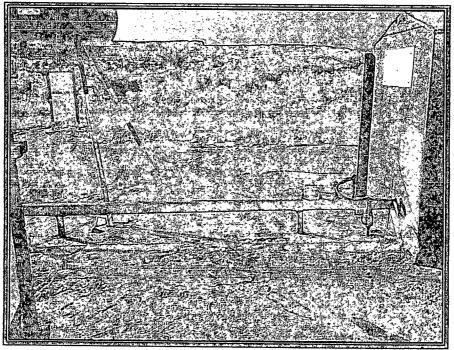
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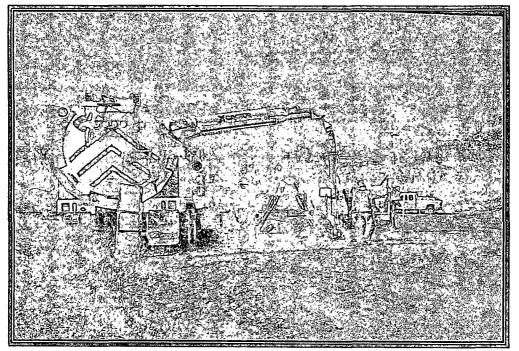
Site Photography



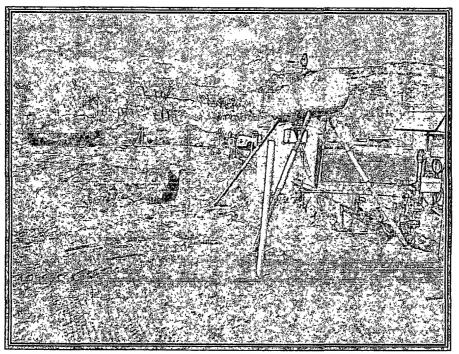
Picture 1: Release Area - 12/19/2013 (View 1)



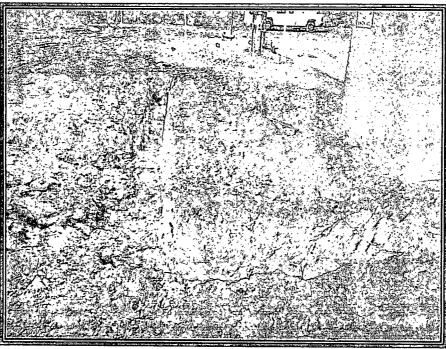
Picture 2: Release Area - 12/19/2013 (View 2)



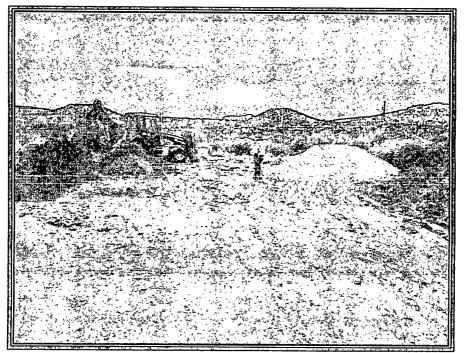
Picture 3: Hydrovac Activities - 12/20/2013 (View 1)



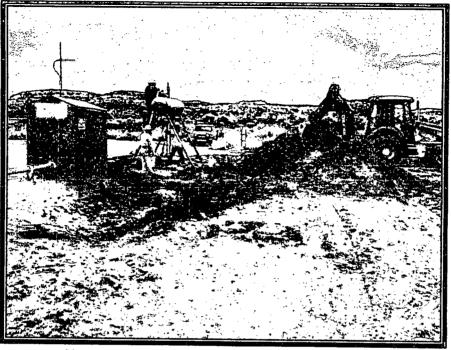
Picture 4: Hydrovac Activities - 12/20/2013 (View 2)



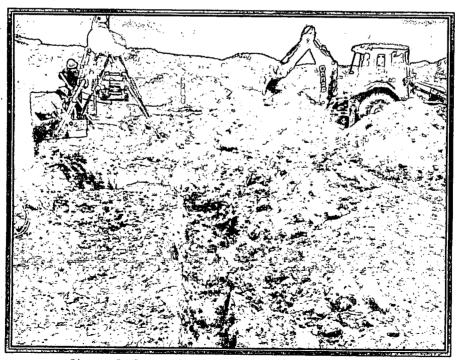
Picture 5: Uncovered Electrical Lines - 12/20/2013



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



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



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

APPENDIX B

Analytical Results

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

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

Total Datroloum Undrogerhone	400	E 0
Total Petroleum Hydrocarbons	192	5.0
· · · · · · · · · · · · · · · · · · ·		

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Review

Toni McKnight, EIT
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Tiffany	McIntosh	
Printed		

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

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

Total Petroleum Hydrocarbons8,1105.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT Printed



Cal. Date: 19-Dec-13

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

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

> Madmtoih

Tiffany McIntosh Print Name

Review

Toni McKnight, EIT

Print Name

5796 US Highway 64, Farmington, NM 87401

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



12/24/2013

12/24/2013

Date

Date

Date



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

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

Total Petroleum Hydrocarbons	104	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Tiffany McIntosh Printed

Toni McKnight, EIT Printed

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

Ph (505) 632-0615 Fx (505) 632-1865 Ph (970) 259-0615 Fr (800) 362-1879



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

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

Total Petroleum Hydrocarbons	148	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT Printed

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

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

Total Petroleum Hydrocarbons	108	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT Printed

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

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

Total Petroleum Hydrocarbons	5,440	5.0
------------------------------	-------	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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

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

Total Petroleum Hydrocarbons	184	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT Printed

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

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

Total Petroleum Hydrocarbons2525.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT Printed



Cal. Date:	20-Dec-13		
Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
ТРН	100 200 500 1000	200	

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

my Midatosh Analyst

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12/24/2013

Date

12/24/2013

Date



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

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

Total Petroleum Hydrocarbons245.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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

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

Total Petroleum Hydrocarbons	68	5.0
------------------------------	----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Toni McKnight, EIT

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

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

Total Petroleum Hydrocarbons	948	5.0
•		

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

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

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Im Review

Tiffany McIntosh Printed

Toni McKnight, EIT Printed

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

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

Total Petroleum Hydrocarbons	44	5.0
------------------------------	----	-----

ND = Parameter not detected at the stated detection limit.

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

Comments: Jacquez LS #3

ø

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

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Toni McKnight, EIT Printed

Tiffany McIntosh Printed



Cal. Date: 21-Dec-13

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

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

Midutosh

Tiffany McIntosh

Review

Toni McKnight, EIT

Print Name

5796 US Highway 64, Farmington, NM 87401

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 Ph (970) 259-0615
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avrati (berottar) avrati (berottare)

12/24/2013

Date

Date

12/24/2013



Analytical Report

Report Summary

Client: Enterprise Products Chain Of Custody Number: 16290 Samples Received: 12/23/2013 11:18:00AM Job Number: 97057-0612 Work Order: P312107 Project Name/Location: Jaquez LS #3

Date: 1/3/14

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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

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Page 1 of 10



Enterprise Products	Project Name:	Jaquez LS #3	
614 Reilly Ave	Project Number:	97057-0612	Reported:
Farmington NM, 87401	Project Manager:	Tiffany McIntosh	0.3-Jan-14 16:51

Analyical Report for Samples

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

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615 Fr (800) 362-1879	ling and the state of the second second

Page 2 of 10



Enterprise Products 614 Reilly Ave Farmington NM, 87401	Projec	et Name: et Number: et Manager:	9705	ez LS #3 7-0612 ny McIntosh				Reported: 03-Jan-14 16	:51
			Compo 07-01 (Se						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	l	1353009	12/30/13	12/31/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	i	1353009	12/30/13	12/31/13	EPA 8021B	
p.m-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8021B	
Surrogate: Bromochlorobenzene		117 %	80	-120	1353009	12/30/13	12/31/13	EP.A 8021B	
Surrogate: 1,3-Dichlorobenzene		110%	80	-120	1353009	12/30/13	12/31/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1353009	12/30/13	12/31/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	12/30/13	01/01/14	EPA 8015D	

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Page 3 of 10



Enterprise Products	Project Name:	Jaquez LS #3	
614 Reilly Ave	Project Number:	97057-0612	Reported:
Farmington NM, 87401	Project Manager:	Tiffany Melntosh	03-Jan-14 16:51

Near Meter Run Composite P312107-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	l	1353009	12/30/13	01/03/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	Ł	1353009	12/30/13	01/03/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Surrogate: Bromochlorobenzene		119 %	80-	120	1353009	12/30/13	01/03/14	EPA 8021B	*
Surrogate: 1,3-Dichlorobenzene		121 %	80-	120	1353009	12/30/13	01/03/14	EPA 8021B	Surrl
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4,99	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	ł	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	12/30/13	01/03/14	EPA 8015D	

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615	Fr (800) 362-1879	herete sourded here a

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Enterprise Products 614 Reilly Ave Farmington NM, 87401	Projec	at Name: ht Number: ht Manager:	Jaquez LS #3 97057-0612 Tiffany McIntosh		I			Reported: 03-Jan-14 16	:51
			Compo 07-03 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	ì	1353009	12/30/13	01/03/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	ł	t353009	12/30/13	01/03/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	l i	1353009	12/30/13	01/03/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	ì	1353009	12/30/13	01/03/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		125 %	80	-120	1353009	12/30/13	01/03/14	EP.4 8021B	Surr1
Surrogate: Bromochlorobenzene		123 %	80	-120	1353009	12/30/13	01/03/14	EPA 8021B	Surv1
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1353009	12/30/13	01/03/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1353008	12/30/13	01/01/14	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	12/30/13	01/03/14	EPA 8015D	

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Enterprise Products	Project Name:	Jaquez LS #3		-7
614 Reilly Ave	Project Number:	97057-0612	Reported:	
Farmington NM, 87401	Project Manager:	Tiffany McIntosh	03-Jan-14 16:51	

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1353009 - Purge and Trap EPA 5030A										
Blank (1353009-BLK1)				Prepared: 3	0-Dec-13	Analyzed:	31-Dec-13			
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	11							
Ethylbenzene	ND	0.05	15							
p,m-Xylene	ND	0.05	*							
o-Xylene	ND	0.05	11							
Total Xylenes	ND	0.05	u							
Total BTEX	ND	0.05	91							
Surrogate: 1,3-Dichlorobenzene	50.4		ug/L	50.0	1.9 ¹⁰ - ¹	101	80-120			
Surrogate: Bromochlorobenzene	53.4			50.0		107	80-120			
Duplicate (1353009-DUP1)	Sou	rce: P312107-	01	Prepared: 3	30-Dec-13	Analyzed: 3	31-Dec-13			
Benzene	ND	0.05	mg/kg		ND				30	
Foluenc	ND	0.05	n		ND				30	
Ethylbenzene	ND	0.05	n		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	н		ND				30	
Surrogate: 1,3-Dichlorobenzene	53.0		ug/L	50.0		106	80-120			
Surrogate: Bromochlorobenzene	56.0		"	50.0		112	80-120			
Matrix Spike (1353009-MS1)	Sou	rce: P312107-	01	Prepared: 3	0-Dec-13	Analyzed: 3	31-Dec-13			
Benzene	49.4		ug/L	50.0	ND	98.9	39-150			
Toluene	51.0		n	50,0	ND	102	46-148			
Ethylbenzene	49.8		41	50.0	ND	99 .6	32-160			
o,m-Xylene	104		н	100	ND	104	46-148			
n-Xylene	51.0		n	50,0	ND	102	46-148			
Surrogate: 1,3-Dichlorobenzene	49.1		H	50.0		98.3	80-120		······································	
Surrogate: Bromochlorobenzene	50.3			50.0		101	80-120			

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Enterprise Products	Project Name:	Jaquez LS #3	
614 Reilly Ave	Project Number:	97057-0612	Reported:
Farmington NM, 87401	Project Manager:	Tiffany McIntosh	03-Jan-14 16:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

_										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1353008 - DRO Extraction EPA 3550C										
Blank (1353008-BLK1)				Prepared: 3	10-Dec-13	Analyzed: ()I-Jan-14			
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
Duplicate (1353008-DUP1)	Sourc	e: P312107-	01	Prepared: 3	30-Dec-13	Analyzed: ()1-Jan-14			
Diesel Range Organics (C10-C28)	DM	29.9	mg/kg		ND				30	
Matrix Spike (1353008-MS1)	Sourc	e: P312107-	01	Prepared: 3	30-Dec-13	Analyzed: ()]-Jan-14			
Diesel Range Organics (C10-C28)	230		mg/L	250	7.35	88.9	75-125		fa gat an d'a mail a differ a dige a de	

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Enterprise Products	Project Name:	Jaquez LS #3	
614 Reilly Ave	Project Number:	97057-0612	Reported:
Farmington NM, 87401	Project Manager:	Tiffany McIntosh	03-Jan-14 16:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			-		•					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1353009 - Purge and Trap EPA 5030A										
Blank (1353009-BLK1)				Prepared: 3	0-Dec-13	Analyzed: 3	31-Dec-13			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1353009-DUP1)	Sour	-ce: P312107-	01	Prepared: 3	80-Dec-13	Analyzed: 3	31-Dec-13			
Gusoline Range Organics (C6-C10)	ND	5.00	mg/kg		Ъ				30	
Matrix Spike (1353009-MS1)	Sour	·ce: P312107-	01	Prepared: 3	0-Dec-13	Analyzed: 3	31-Dec-13			
Gasoline Range Organics (C6-C10)	0.47		`mg/L	0.450	0.04	95.1	75-125			

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Page 8 of 10



1	Enterprise Products	Project Name:	Jaquez LS #3		
	614 Reilly Ave	Project Number:	97057-0612	Reported:	
	Farmington NM, 87401	Project Manager:	Tiffany McIntosh	03-Jan-14 16:51	

Notes and Definitions

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

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Page 9 of 10

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Client: Enterpris	ent: Project Name / Location: ANALYSIS / PARAMETERS Lail results to: Sampler Name: Sampler Name:						RS		 		age 1											
Email results to: T. MEINTOSH			Sampler Name: T. McIntosh					015)	8021)	3260)					-							Γ
Client Phone No.:			Client No.: 97057-0612				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	18.1)	RDE			e Cool	Sample Intact		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers		HCI	tive Cool	TPH (N	BTEX (VOC (I	RCRA	Cation	RCI	TCLP	CO Tat	TPH (418.1)	CHLORIDE			Sample	Sample	
south composite	12/21/13	1025	P312107-01	1-4 oz jar		T	Х	X	X											Y	Y	
ncar Meter run Composite	1		1312107-02					1	1											1	1	
near meter run Composite Middle Composite			P312107-03					I													~	
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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	1-2/21/1:	\$ 1430	Received by: (Signature)	12/23/3	11:18
Sample Matrix Soil 🖬 Solid 🔲 Sludge 🔲 Aqueous 🗍 Other 🗌					
Sample(s) dropped off after hours to secure drop off area.	3 e	env And	irotech lytical Laboratory		

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State of New Mexico Energy Minerals and Natural Resources

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

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

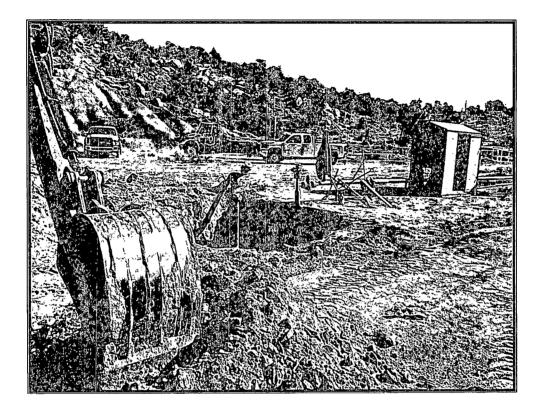
Name of Company: Enterprise Field Services LLC		rrecuve A	ction	
	OPERA	OR	🛛 Initi	al Report 📃 Final Rep
	Contact: Th			
Address: 614 Reilly Ave, Farmington, NM 87401		lo. 505-599-22		
Facility Name: Lateral 3B-23 Block Valve Leak	Facility Typ	e: Gathering Li	ne/Block Valve	
Surface Owner: Private Mineral Own	er:BLM		API No).
LOCAT	ION OF REI	LEASE		
Unit LetterSectionTownshipRangeFeet from theNoA3029N11W	orth/South Line	Feet from the	East/West Line	County San Juan
Latitude <u>36.700682</u>	Longitude	e <u>-108.0284</u> 1	10	
NATUI	RE OF RELI	EASE		
Type of Release: Natural Gas and Natural Gas Liquids		Release: 29 MC		Recovered: Unknown
Source of Release: Internal Corrosion		our of Occurrenc		Hour of Discovery: 1/27/2014
Was Immediate Notice Given?		<u>@ 6:06 p.m.</u> Whom? Brandor	<u>@ 6:06 p</u> n Powell – NMOC	
Was miniediate Nonce Given? ⊠ Yes □ No □ Not Requi		whome brandor		
By Whom? Thomas Long		our. 1/27/2014 7		RCVD FEB 14'1A
Was a Watercourse Reached?	If YES, Vo	lume Impacting t	he Watercourse.	OIL CONS. DIV. DIST. 3
f a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* A release v		the Leteral 2D 0	2 D1. J. V. L	
of a residential area. The line was blown down, taken out of service a was impacted by a condensate/water mix.				, , , , , , , , , , , , , , , , , , ,
Describe Area Affected and Cleanup Action Taken.* An area of appro- activities were completed by a third party environmental contractor of A "final" c-141 will be submitted upon receipt of the third party envir	n 1/28/2014. Rem conmental contract	ediation activitie or corrective acti	s are scheduled for ion report.	the week of February 17, 201
activities were completed by a third party environmental contractor or	to the best of my se notifications any the NMOCD ma rediate contamination	ediation activitie or corrective active knowledge and u d perform correc arked as "Final R on that pose a thr e the operator of	s are scheduled for ion report. nderstand that purs tive actions for rel eport" does not rel eat to ground wate responsibility for c	the week of February 17, 201 suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
A "final" c-141 will be submitted upon receipt of the third party environmental contractor of A "final" c-141 will be submitted upon receipt of the third party envir hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain relea public health or the environment. The acceptance of a C-141 report b should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report	to the best of my se notifications any the NMOCD ma rediate contamination	ediation activitie or corrective active knowledge and u d perform correc arked as "Final R on that pose a thr e the operator of	s are scheduled for ion report. Inderstand that purs tive actions for rel eport" does not rel eat to ground wate	the week of February 17, 201 suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other
A "final" c-141 will be submitted upon receipt of the third party environmental contractor on A "final" c-141 will be submitted upon receipt of the third party environment. Thereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain releas bublic health or the environment. The acceptance of a C-141 report be should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report Federal, state, or local laws and/or-regulations.	to the best of my ise notifications an y the NMOCD ma idiate contamination ort does not relieve	ediation activitie or corrective active knowledge and u d perform correc arked as "Final R on that pose a thr e the operator of	s are scheduled for ion report. Inderstand that purse trive actions for rel eport" does not rel eat to ground wate responsibility for c SERVATION	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other DIVISION
A "final" c-141 will be submitted upon receipt of the third party environ A "final" c-141 will be submitted upon receipt of the third party environ hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain releas bublic health or the environment. The acceptance of a C-141 report be should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report regulations.	to the best of my ise notifications an y the NMOCD ma idiate contamination ort does not relieve	ediation activitie or corrective active knowledge and u ad perform corrective arked as "Final R on that pose a thr the operator of <u>OIL CON</u> Environmental S	s are scheduled for ion report. Inderstand that purse trive actions for rel eport" does not rel eat to ground wate responsibility for c SERVATION	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other DIVISION
A "final" c-141 will be submitted upon receipt of the third party environ A "final" c-141 will be submitted upon receipt of the third party environ hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain releas bublic health or the environment. The acceptance of a C-141 report b should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local law and/or regulations.	n 1/28/2014. Rem conmental contract to the best of my ise notifications any y the NMOCD ma idiate contamination ort does not relieved Approved by	ediation activitie or corrective activitie or corrective activitie whowledge and u d perform correc- urked as "Final R on that pose a thr the operator of <u>OIL CON</u> Environmental S e: $\frac{4}{23}$	s are scheduled for ion report. Inderstand that purse trive actions for rel eport" does not rel eat to ground wate responsibility for c SERVATION pecialist:	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other DIVISION

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.

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			Rel	ease Notifi	catio	on and Co	orrective A	ction						
						OPERA '	ГOR] Initia	al Report 🛛 🛛 Final Repo				
Name of Co	mpany: E	Interprise Fie	eld Servi	ces LLC		Contact: Tl	nomas Long							
		Ave, Farming				Telephone No. 505-599-2286								
Facility Nar	ne: Gartn	er LS #6M	Well Sit	e		Facility Typ	e: Well Site M	eter Run/	Meter T	ube				
Surface Owner: BLM Mineral Owner:BLM								·	API No	· · ·				
L				I						·				
LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County														
J	27	30N	Range 8W	reet nom the		ivsouth Line	h Line Feet from the East/West Line County San Juan							
		Latit	ude <u>3</u>	5.780385		Longitude	e <u>-107.66015</u>	2						
				NAT	TURE	E OF REL	EASE							
		I gas and pos		iated liquids			Release: 113 M	CF \	/olume R	Recovered: Unknown				
Source of Re	lease: Natu	ral gas meter	tube/mete	r run			Iour of Occurrenc			Hour of Discovery: 12/13/2013				
Was Immedia	te Notice (Jiven?				If YES, To	3 @ 4:13 p.m		æ 4:13 p.	.m				
			Yes 🗌] No 🖾 Not R	equirec									
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Was a Water	course Read		W. Vilana			If YES, Volume Impacting the Watercourse. OIL CONS. DIV.								
			Yes 🗵	No						DIST. 3				
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Remediation yards of hydr	activities w ocarbon co		l on Janua il were ex	ry 6, 2014. An an cavated and trans						acted. Approximately 30 cubic party environmental contractor				
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Printed Name: Jon E.Fields Approved by Environmental Specialist:									& Jan					
Title: Sr. Dire	ector, Envir	onmental				Approval Da	te: 41/28/1	۲ <u>–</u> Ex	piration l	Date:				
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Enterprise Products Gartner LS #6M Pipeline Release Latitude North 36.780385°, Longitude West -107.660152° Unit J Section 27 T30N R8W San Juan County, New Mexico January 27, 2014

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



Submitted To:

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

Submitted By:

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

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1.0 Executive Summary

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

TABLE 1: RELEASE INFORMATION										
Name		Gartner LS	#6M Re	lease	i <u>-</u> i					
	Latitude/Longitude Section, Township, Rai									
Location	36.780385°	-107.660152°	Unit J	Section 27	T 30N, R 8W					
Date Reported	December 16, 2013									
	Thomas Long									
Land Owner	Bureau of Land Management (BLM)									
Reported To	BLM, NM Oil	Conservation Div	ision (NI	MOCD)						
Diameter of Pipeline	4 inches									
Source of Release	Faulty Valve		_							
Release Contents	Natural Gas L	iquids/Condensa	te							
Release Volume:										
Natural Gas	113 MCF									
Release Volume:										
Liquids/Condensate	densate Unknown									
Nearest Waterway	rway Unnamed Tributary of the Gobernador Wash									
Depth to	Assumed to be greater than 100 feet									
Groundwater	Groundwater									
Nearest Domestic	Greater than	1,000 feet								
Water Source										
NMOCD Ranking	0									
SMA Response	12/27/13, 12/3	31/13, 1/3/14 and	1/6/14							
Dates				<u> </u>						
Subcontractors	Energy Maintenance Services (EMS) Industrial Ecosystems Incorporated (IEI), Envirotech Landfarm									
Disposal Facility	Industrial Eco	systems Incorpor	rated (IE	I), Envirot	ech Landfarm					
Yd ³ Contaminated										
Soil Excavated and	30									
Disposed		· · · · · · · · · · · · · · · · · · ·								
BBLS										
Contaminated Soil	30									
Hydrovacted and										
Disposed										

2.0 Introduction

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

3.0 Site Ranking and Land Jurisdiction

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

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

4.0 Summary of Field Activities

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

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

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

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

5.0 Conclusions and Recommendations

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

SMA recommends no further action at this site.

6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

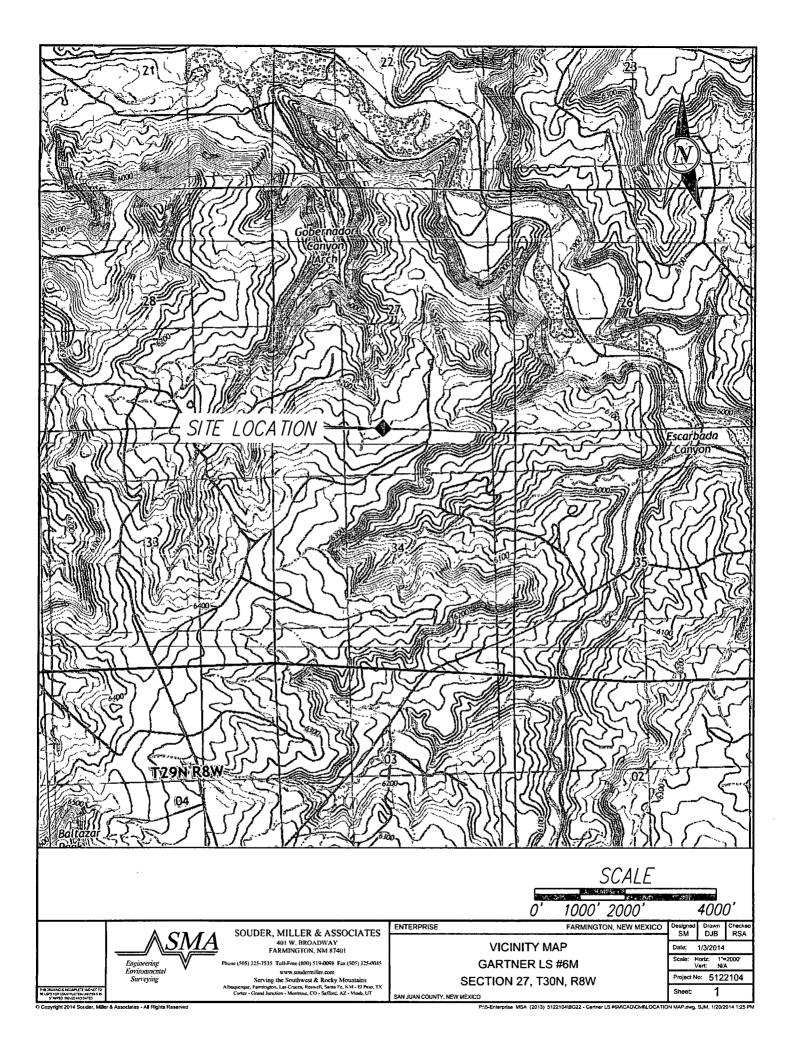
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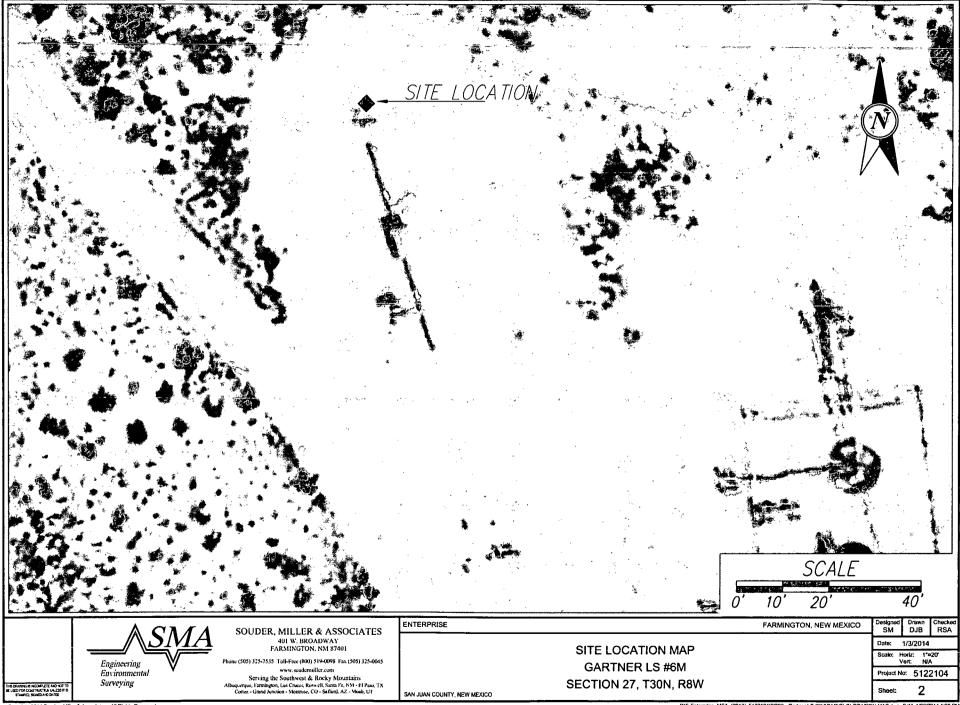
Steve Moskal Project Scientist

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Reid S. Allan, PG Principal Scientist

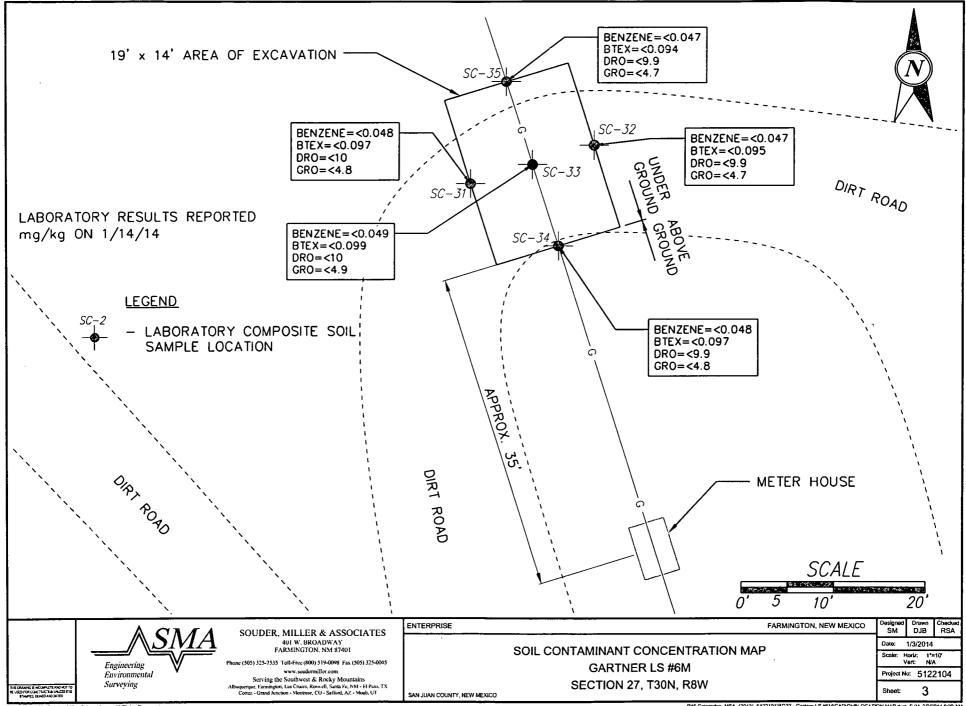
FIGURES





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P15-Enterprise MSA (2013) 5122104/BG22 - Gartner LS #6MICADICM/NLOCATION MAP.dwg, SJM, 1/20/2014 1:26 PM



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P15-Enterprise MSA (2013) 5122104/BG22 - Gartner LS #6M/CAD/CM/NLOCATION MAP.dwg, SJM, 2/3/2014 B:20 AM

TABLES

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		Verified using Google	Groundwater is assumed to be greater than 100
50' to 99' = 10		earth and Topo maps; Field verified.	feet below ground
>100' = 0	0		surface.
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		Verified using Google	Release is located
200'-1000' = 10		Earth and Topo maps; Field verified.	greater than 1,000 feet west of a tributary wash
>1000' = 0	0		of Gobernador Wash.
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic		New Mexico State	No recorded water wells
water source? YES OR NO to BOTH. YES = 20, NO = 0	0	Engineer's Office online water well data base	located with 1,000 feet or within a 1 mile radius.
Total Site Ranking	0	· · · · · · · · · · · · · · · · · · ·	
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM



Enterprise Products Table 3: Summary of Excavation Field Screening Results (PPM) Gartner LS #6M Pipeline Release 1/27/2014

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

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

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

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

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APPENDIX A FIELD NOTES

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SUBJECT GORTHUR LS HGM PROJECT PAGE CLIENT ERCO DATE 22113 BY SOM CHECKED BY - on site @ 14130 ped in Field sample collection \$ Screening; frozen 20125 Scal PILO. Coile tian Time Screen Time beatil 5-120 NOSUAL 5-220 NOSUAL 5-320'S Pruf 435 1448 21 1712 1448 449 436 56-4 10' ' ' ' 56-5 00' WOSUV [56-6 10' " 1643 436 7411 437 450 56-6 00' " 56-7 15' 12 Dourd 56-8 15' 50 50-4 56-8 15' 10 Pourd 56-10 Release pin Durd 451 143-45. 440 26.7 1441 1442 1442 1455 1455 1458 31.2--OFF site @ 1530 Dit the 34-1 n SC-7 SC-7 Puleare Point/SC-10 S Ś -Se-4 50-8 50-3 Extent of tint Red ð meter House 12 Road 1

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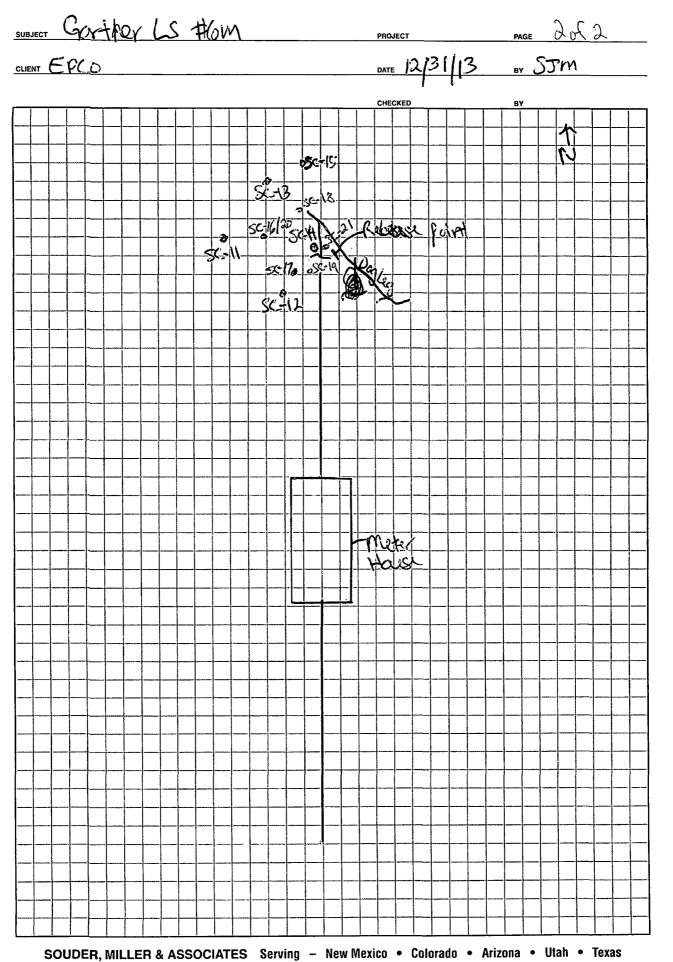
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SC-1110W 1147 0.75	Time cilecter Time sneedel
SC-1285 171,2 10	0946 1007
SC-1285 1712 10 SC-1381 N 6692 10 SC-14(RP.) 1832 30	0949
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SC-12 (51) 182.6	034 1035 1035 1054 1054
SC-17(5'S.) 76.9 1.5	
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SUBJECT GOCTHEY LS HGM



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SUBJECT Gatner LS #6m PROJECT

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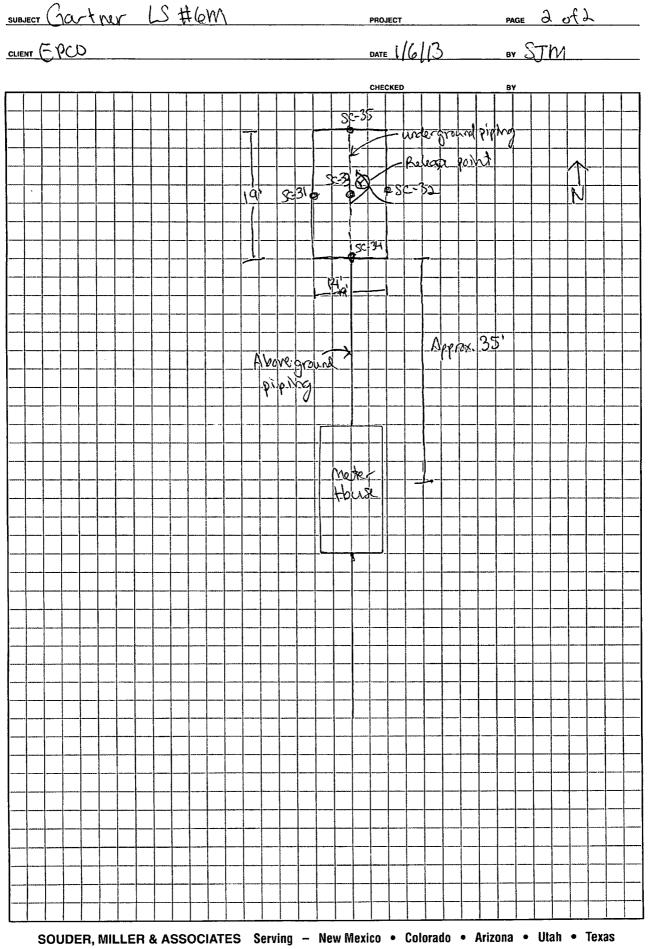
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PROJECT PAGE OF 2 SUBJECT Gotner LS#GM CLIENT EPCO DATE 16/14 BY SJM CHECKED So moscel an site (2) 10:30 Ems already began excertation enderet SMA TE Bat Selety sign on ERO Safe work permit PID: 102-1-199m - Calibrat Corled Simples for field screening Time collected Time sensing FID entire Peptin 55-25(Euni225) SC-29 (Numi) SC-30 E. of RP(2E) 158,6 a.s1 114 051 3372 2.54 1058 115 2098 1059 (w. wall 232 $\dot{\mathbf{n}}_{i}$ 1218 11.8 ia19 7.0 152.4 1220 1234 7.0 7.0 122 1231 - Indicates Lab Scripte Tio 222 1237 location -Collect lab samples 0 F.F. Site @ 1315

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APPENDIX B

SITE PHOTOGRAPHY

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Site Photographs Enterprise Products Gartner LS #6M Pipeline Release



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



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

Site Photographs Enterprise Products Gartner LS #6M Pipeline Release



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

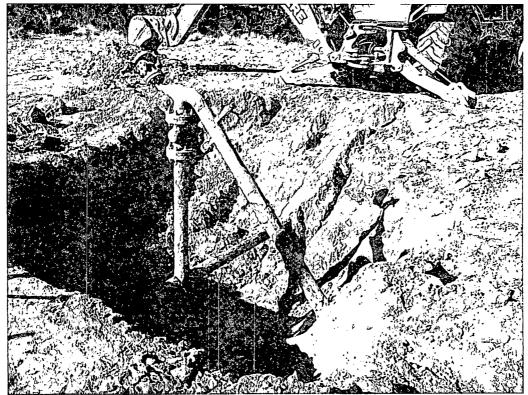


Photo 4: The extent of the excavation prior to backfilling activities.

APPENDIX C

SOIL DISPOSAL DOCUMENTATION

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Form C-138 Revised 08/01/11 Facility Operator tain and make this ivision inspection. 320cyt 4/Dayt 5/-135bb/s 8/bbls
Revised $08/01/11$ Facility Operator tain and make this ivision inspection. 3200y 14/10y 51-135bb/5
320cy 14/Day 3/-13566/S
320cy 14/Day 3/-13566/5
51-13 S66/S
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CC-LIZ
ermanent Record)
12-31-13



Bill of Lading

MANIFEST # <u>45537</u> DATE <u>1-3-14</u> JOB # <u>97057-0614</u>

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

LOAD		COM	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	ORTING	COMPA	NY	
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER S	GNATURE
2	POINT OF ORIGI ENTERPRISE GARFNER LST	6M	LFI	HYDRO VAC SUTC	0-12	<u> </u>	20	EMS	300-	16:10	Freddin	Pich
2	#	U.	Le 4	wash out	0-12		5	EMS C EMS	300	16:10	Freddie	Pinto
							25					
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RESULT	S:		LANDFARM		1	NE	~	NOTES:	<u></u>		-1 <u>4</u>	
< 299	CHLORIDE TEST	1	EMPLOYEE:	Lan	ete					<u> </u>	<u></u>	
	PAINT FILTER TEST	1	Certifi	cation of above re	ceival & pla	cement		_				
mentione	g as the driver/transport d Generator/Point of O	riain a	nd that no addition	al material has be	en added o	r mixed into	o the load	ď.		•		om the above
TRANSPO	RTER CO. Em.s	-		NAME Fre	addie P	into		SIGNATURE	ð	chi -	Pubo	
	RTER CO. EM.S	-5:11	ch-r		<u>us) 797</u>	3 -442	-6	DATE	03 -1	4		-

Signatures required prior to distribution of the legal document.

APPENDIX D

LABORATORY ANALYTICAL REPORTS

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 14, 2014

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

RE: Gartner LS #6M

OrderNo.: 1401159

Dear Steve Moskal:

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

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysi	s Labora	tory, Inc			Date Reported: 1/14/20	14
CLIENT: Souder, Miller and Associates Project: Gartner LS #6M Lab ID: 1401159-001	Matrix:	SOIL	Collection D	ate: 1/6	2-31 (W. Wall @7') 9/2014 12:18:00 PM 1/2014 10:15:00 AM	
Analyses	Result	RL C	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/10/2014 4:42:50 PM	11128
Surr: DNOP	97.0	66-131	%REC	1	1/10/2014 4:42:50 PM	11128
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/9/2014 12:55:38 PM	11111
Surr: BFB	103	74.5-129	%REC	1	1/9/2014 12:55:38 PM	11111
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.048	mg/Kg	1	1/9/2014 12:55:38 PM	11111
Toluene	ND	0.048	mg/Kg	1	1/9/2014 12:55:38 PM	11111
Ethylbenzene	ND	0.048	mg/Kg	1	1/9/2014 12:55:38 PM	11111
Xylenes, Total	ND	0.097	mg/Kg	1	1/9/2014 12:55:38 PM	11111
Surr: 4-Bromofluorobenzene	113	80-120	%REC	1	1/9/2014 12:55:38 PM	11111

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 8
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 1 of 8 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

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Analytical Report Lab Order 1401159

Analytical Report Lab Order 1401159

Date Reported: 1/14/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Project: Gartner LS #6M

1401159-002

Lab ID:

Client Sample ID: SC-32 (E. Wall @7') Collection Date: 1/6/2014 12:19:00 PM Received Date: 1/7/2014 10:15:00 AM

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

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 8
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analys	is Labora	tory, In	ic.		Date Reported: 1/14/20	14
CLIENT: Souder, Miller and Associates			Client	Sample ID: SO	C-33 (Base @7')	
Project: Gartner LS #6M			Colle	ction Date: 1/	6/2014 12:20:00 PM	
Lab ID: 1401159-003	Matrix:	SOIL	Rec	eived Date: 1/	7/2014 10:15:00 AM	
Analyses	Result	RL	Qual Unit	s DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analys	: JME
Diesel Range Organics (DRO)	ND	10	mg/ł	Kg 1	1/10/2014 6:11:06 PM	11128
Surr: DNOP	115	66-131	%RE	EC 1	1/10/2014 6:11:06 PM	11128
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/ł	Kg 1	1/9/2014 3:47:12 PM	11111
Surr: BFB	102	74.5-129	%RE	EC 1	1/9/2014 3:47:12 PM	1 111 1
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.049	mg/ł	۲g 1	1/9/2014 3:47:12 PM	11111
Toluene	ND	0.049	mg/l	Kg 1	1/9/2014 3:47:12 PM	11111
Ethylbenzene	ND	0.049	mg/ł	Kg 1	1/9/2014 3:47:12 PM	11111
Xylenes, Total	ND	0.099	mg/ł	Kg 1	1/9/2014 3:47:12 PM	11111
Surr: 4-Bromofluorobenzene	117	80-120	%RE	EC 1	1/9/2014 3:47:12 PM	11111

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method
	E	Value above quantitation range	Н	Holding times for preparation or analysis of
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TO

- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- od Blank
- exceeded
- Page 3 of 8 TOC only.
- RL Reporting Detection Limit

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Analytical Report Lab Order 1401159

Analytical Report					
Lab Order 1401159					
Date Reported: 1/14/2014					

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Project: Gartner LS #6M Lab ID: 1401159-004 Matrix: SOIL

Client Sample ID: SC-34 (S. Wall @7') Collection Date: 1/6/2014 12:21:00 PM Received Date: 1/7/2014 10:15:00 AM

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

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level. B Analyte detected in the associated Method Blank				
	Е	Value above quantitation range	H Holding times for preparation or analysis exceede			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 8		
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.		
	R RPD outside accepted recovery limits RL Reporting Detection Limit					
	S	Spike Recovery outside accepted recovery limits				

Analytical Report						
Lab Order 1401159						
Date Reported: 1/14/2014						

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Project: Gartner LS #6M

1401159-005

Lab ID:

Client Sample ID: SC-35 (N. Wall @7') Collection Date: 1/6/2014 12:22:00 PM Received Date: 1/7/2014 10:15:00 AM

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

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 5 of 8
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1401159

14-Jan-14

Client: Project:		Miller and A LS #6M	Associa	ites	·						
Sample ID	LCS-11128	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID:	LCSS	Batch	ID: 11	128	F	lunNo: 1	6001				
Prep Date:	1/8/2014	Analysis D	ate: 1 /	10/2014	S	eqNo: 4	61418	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Surr: DNOP	Organics (DRO)	58 5.7	10	50.00 5.000	0	115 113	60.8 66	145 131			
Sample ID	LCS-11148	SampT	ype: LC	:s	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID:	LCSS	Batch	ID: 11	148	۴	tunNo: 1	6001				
Prep Date:	1/9/2014	Analysis D	ate: 1 /	10/2014	S	eqNo: 4	61419	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.5		5.000		110	66	131			
Sample ID	MB-11128	SampT	ype: MB	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID:	PBS	Batch	ID: 11	128	F	lunNo: 1	6001				
Prep Date:	1/8/2014	Analysis D	ate: 1/	10/2014	S	eqNo: 4	61420	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND	10	10.00							
Surr: DNOP		8.9		10.00		89.2	66	131			
Sample ID	MB-11148	SampT	ype: M £	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID:	PBS	Batch	ID: 11	148	F	RunNo: 1	6001				
Prep Date:	1/9/2014	Analysis D	ate: 1/	/10/2014	5	SeqNo: 4	61421	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		12		10.00		117	66	131			
Sample ID	1401159-001AM	S SampT	ype: MS	5	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID:	SC-31 (W. Wall	@7') Batch	ID: 11	128	F	RunNo: 1	6001				
Prep Date:	1/8/2014	Analysis D	ate: 1/	10/2014	S	eqNo: 4	61453	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	60	10	50.10	8.267	103	47.4	148			
Surr: DNOP		6.0		5.010		120	66	131			
Sample ID	1401159-001AM	SD SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID:	SC-31 (W. Wall	@ 7') Batch	ID: 11	128	F	RunNo: 1	6001				
Prep Date:	1/8/2014	Analysis D	ate: 1/	10/2014	S	eqNo: 4	61455	Units: mg/l	Kg		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (DRO)	58	9.9	49.70	8.267	99.8	47.4	148	3.51	22.7	
Surr: DNOP		6.1		4.970		123	66	131	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- Page 6 of 8

RL Reporting Detection Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Souder, M Gartner L	filler and A S #6M	Associa	tes							
Sample ID	MB-11111	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis Da	ate: 1/	9/2014	S	eqNo: 4	61005	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		101	74.5	129			
Sample ID	LCS-11111	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	LCSS	Batch	ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis Da	ate: 1/	9/2014	S	SeqNo: 4	61006	Units: mg/M	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	30	5.0	25.00	0	121	74.5	126			
Surr: BFB		1100		1000		110	74.5	129			
Sample ID	1401159-002AMS	SampT	/pe: M\$	6	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	SC-32 (E. Wall @7	') Batch	ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis Da	ate: 1/	9/2014	5	SeqNo: 4	61009	Units: mg/#	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	30	4.7	23.58	0	126	69.5	145			
Surr: BFB		1100		943.4		113	74.5	129			
Sample ID	1401159-002AMSE) SampTy	pe: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SC-32 (E. Wall @7	") Batch	ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis Da	ate: 1/	9/2014	S	SeqNo: 4	61010	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	29	4.7	23.58	0	122	69.5	145	3.77	20	
Surr: BFB		1100		943.4		113	74.5	129	0	0	
Sample ID	MB-11111 MK	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: R1	6003	F	RunNo: 1	6003				
Prep Date:		Analysis Da	ate: 1/	9/2014	S	SeqNo: 4	61014	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1000		1000		101	74.5	129			
Sample ID	LCS-11111 MK	SampT	/pe: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
1 .	LCSS		ID: R1			RunNo: 1			5		
Prep Date:		Analysis Da				SeqNo: 4		Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	. <u></u>	1100		1000		110	74.5	129			

Qualifiers:

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

WO#: 1401159

14-Jan-14

Page 7 of 8

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

Project:		LS #6M	71350014	103							
Sample ID	MB-11111	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batch	h ID: 11	111	F	RunNo: 1	6003				
Prep Date:		Analysis D				SeqNo: 4		Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	1.1		1.000		114	80	120			
Sample ID	LCS-11111	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		·····
Client ID:	LCSS	Batch	h ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis [Date: 1 /	9/2014	S	SeqNo: 4	61033	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	102	80	120			
Toluene		0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene		1.0	0.050	1.000	0	103	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bron	nofluorobenzene	1.2		1.000		119	80	120			
Sample ID	1401159-001AMS	Samp1	Гуре: МS	5	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	SC-31 (W. Wall @	27') Batcl	h ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis [Date: 1/	9/2014	S	SeqNo: 4	61035	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.93	0.049	0.9794	0	94.9	67.4	135			
Toluene		0.87	0.049	0.9794	0.008351	88.2	72.6	135			
Ethylbenzene		1.0	0.049	0.9794	0	102	69.4	143			
Xylenes, Total		3.0	0.098	2.938	0.02527	100	70.8	144			
Surr: 4-Bror	nofluorobenzene	1.2		0.9794		120	80	120			S
Sample ID	1401159-001AM	SD Samp1	Гуре: МS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	SC-31 (W. Wall (@ 7') Batcl	h ID: 11	111	F	RunNo: 1	6003				
Prep Date:	1/7/2014	Analysis [Date: 1/	9/2014	S	SeqNo: 4	61036	Units: mg/l	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.049	0.9814	0	95.3	67.4	135	0.570	20	
Toluene		0.88	0.049	0.9814	0.008351	88.8	72.6	135	0.879	20	
Ethylbenzene		1.0	0.049	0.9814	0	102	69.4	143	0.344	20	
Xylenes, Total		3.0	0.098	2.944	0.02527	100	70.8	144	0.132	20	
Surr: 4-Bror	nofluorobenzene	1.2		0.9814		120	80	120	0	0	S

Qualifiers:

Client:

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

WO#: 1401159

14-Jan-14

Page 8 of 8

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

and the second

.

Client Name:	SMA-FARM	Work Order Number:	1401159		RcptNo: 1
Received by/da	te: AG	01/07/14			
Logged By:	Michelle Garcia	1/7/2014 10:15:00 AM		Minute G	mue
Completed By:	Michelle Garcia	1/7/2014 10:56:24 AM		- Мити G - Мити G	nue)
Reviewed By:	70	01/07/13		· 1	
Chain of Cu					:
1. Custody se	als intact on sample bott	les?	Yes	No	Not Present 🗸
2. Is Chain of	Custody complete?		Yes 🗸	No	Not Present
3. How was th	e sample delivered?		<u>FedEx</u>		
<u>Log In</u>					
	tempt made to cool the sa	amples?	Yes 🗹	No []	
5. Were all sa	imples received at a tem	perature of >0° C to 6.0°C	Yes 🔽	No	NA :
6. Sample(s)	in proper container(s)?		Yes 🖌	2. No 1, ²	
7. Sufficient s	ample volume for indicat	ed test(s)?	Yes 🗹	No []	
8. Are sample	s (except VOA and ONG	b) properly preserved?	Yes 🔽	No 🗋	
9. Was prese	rvative added to bottles?		Yes 🗌	No 🗹	NA 🗌
10.VOA vials I	have zero headspace?		Yes 🗌	No 🗌	No VOA Vials 🗹
11. Were any	sample containers receiv	ed broken?	Yes	No 🔽	i i i i i i i i i i i i i i i i i i i
					# of preserved bottles checked
• •	work match bottle labels		Yes 🗸	No 🔛	for pH: (<2 or >12 unless noted
•	es correctly identified on (Yes 🗹	No []	Adjusted?
14. Is it clear w	hat analyses were reque	sted?	Yes 🗹	No 🗀	
	olding times able to be ma y customer for authorizat		Yes 🗹	No 🗀	Checked by:

Special Handling (if applicable)

16.W	as client notified of all d	liscrepancies with this order?	Yes	No	NA 🗹	
	Person Notified:		Date:	A TANAN MANAGEMENT (THE PARTY OF THE PARTY		
	By Whom:		Via: eMail	Phone Fax	In Person	
	Regarding:					
i	Client Instructions:					

17. Additional remarks:

18. Cooler Information

Cooler No		Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8		Yes			
· . · ·				. : ·		

Page 1 of 1

		-OT-UU	istoay kecora									E		/TE	20	NA	a Ej	NTA	
Client;-) Dicale	mille	Associates	K Standard				a a a a a a a a a a a a a a a a a a a										TO	
		•		Project Name		•				v	/ww.ha	allen	viron	men	tal.co	om			
Mailing	Address	à101	San Juan Blud	5/221 Project #: Gar the	04 BG	22		490	01 H	awkir	s NE	- Al	buqu	erqu	e, N	M 87	109		
		Farm	nator, NM 87.401	Project #:				Te	l. 50	5-34	5-3975		Fax	505-	345	4107	7		
Phone	#: 505	325	7535	Garth	VLS#	Com					R	Anal	ysis	Req	ues				
email o	r Fax#:	Reven.y	noskal@ souderniller.com	Project Mana	iger:		Ŧ	(yind	P				0 Š	S					
	Package:						805	as c	Â		SIMS)		0,0	В О					
			Level 4 (Full Validation)	Deren	108Kal			9 T	Ř/		NS NS		Ď	32 P					
		Othe	r	Sampler: St	cre Mosk	© No	Į. ₩	đ	5	8.1)	4.1) 3270		N N N	/ 80		2			Î
			· · · · · · · · · · · · · · · · · · ·	Sample Tem			Т.	н Ш	Ŵ	441	d 50	als	l S	des		٩ ٥			o ∠
Date	Time	Matrix	Sample Request ID		ľ	HEAL No	BTEX) MTBE + TMB'e (8024)	BTEX + MTBE + TPH (Gas only)	PH.8015B	TPH (Method 418.1)	EDB (Method 504.1) PAH's (8310 or 8270 S	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
101.31		e.:1	Scoll			1401159	B	Ξ	Ř	<u>+</u>		폾	¥	80	82	82	-+		
NOUA		2011	SC-31 (w. wall 61'		Cool	$=\infty$	A,		승				┼──				\rightarrow	-	┼╼┿╸
	1219	-/	SC-32/E wall @1			=002	Ķ		Ϋ́	-+							\rightarrow		╉╌╂╼
	1220		SC-33 (Base@7') SC-34 (Suall @7')	<u> </u>		-003	X		X	_			_				-+		<u>↓ </u>
	1221		SC-34 (S. wall @ 7')			-004	X		Ϋ́			_							+
¥	1222	Y	SC-35 (Nu ual (97)		•	-005	Ϋ́,		Х							$\left \right $			╉╌╂╸
	·									-+		+					-+		++-
<u> </u>										\uparrow			1						+
																		\Box	
					<u> </u>	· · · · · · · · · · · · · · · · · · ·						_	ļ						
	ļ				 		-			_	_								╀╌╊╸
Date:	Time:	Relinquish	ed by:	Received by:	6	Date Time 14	Ren	narks] s:			1	1				<u> </u>		
1/6/13	1500	Ate	D'MID H		Ball	AS 1015	Ple	asi	bil	ldu	vecti	y t	5 67	m	Aq	nl e	Cop	y	
Date:	n me:	Reinquisn	eu by.	ILECEIVED DY: 1			ISh	aw	nak	nu	Buck	(@ <u>5</u>	Qua	w.	VI16	1.(1	M	-	

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

> 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 S. St. Fran	icis Dr., Sant	a Fe, NM 8750:	5			e, NM 875			
		. <u></u>	Rele	ease Notific				ction	· · · · · · · · · · · · · · · · · · ·
			1.00		cation	OPERA		_	al Report 🔲 Final Report
Name of Co	mnanv [.] F	Enterprise Fie	eld Servi	resLLC			iomas Long		
		Ave, Farming					No. 505-599-22	86	
		e Federal #J					e: Natural Gas		
Surface Ow	ner: BLN	1		Mineral C)wner:E	BLM		API No	
				LOCA	ATION	N OF REI	LEASE		
Unit Letter D	Section 24	Township 29N	Range 12W	Feet from the	North/	South Line	Feet from the	East/West Line	County San Juan
		Latit	ude 3	6.714864	I	Longitud	e <u>-107.0449</u> 2	25	ا <u>نیور میں میں میں میں میں میں میں میں میں میں</u>
					TIRE	OF REL			
Type of Rele	ase: potabl	e water, natur	al gas liqu		UNE	······	Release: To Be	Volume F	Recovered: To Be Determined
						Determine			
Source of Re	lease: Rupt	ure of the pipe	eline durin	g hydrostatic test	ing		lour of Occurrenc @ 4:00 p.m.	e: Date and @ 4:00 p	Hour of Discovery: 2/11/2014
Was Immedia	ate Notice (Yes [] No 🔲 Not R	equired		Whom? NRC CA		MOCD – Jonathan Kelly, BLM
By Whom?	Thomas Lo	ng				Date and H	lour 2/11/2014 @	~ 1:30 p.m.	SCAD FER 58.15
Was a Water	course Rea		Yes 🗌] No		If YES, Vo	olume Impacting t	he Watercourse.	OIL CONS. DIV. DIST. 3
If a Watercou	irse was Im	pacted, Descr	ibe Fully.'	Approximately	65 to 10	0 barrels of n	otable water ran o	down the dry wash	approximately 1000 feet
estimated 65 affected. The February 17,	to 100 barr line was bl 2014.	els of potable lown down, ta	water used ken out of	d during the hydro service and LOT	ostatic te O (lock o	sting was rele out tag out) w	ease into a wash. vas applied. The	An area of approxi repairs/remediation	ng hydrostatic testing. An imately 1000 feet of wash was activities began the week of d Remediation activities were
completed be action report.		ek of February	/ 17, 2014	. A "final" c-141	will be s	submitted up	on receipt of the t	hird party environn	nental contractor corrective
regulations al public health should their o or the environ	I operators or the envi operations h nment. In a	are required t ronment. The nave failed to a	o report an acceptanc adequately OCD accep	nd/or file certain r ce of a C-141 report investigate and r	elease no ort by the emediate	otifications and NMOCD m contaminati	nd perform correc arked as "Final R on that pose a thr	tive actions for rele eport" does not reli eat to ground water	uant to NMOCD rules and cases which may endanger eve the operator of liability , surface water, human health ompliance with any other
Signature:		tul	/				OIL CON	SERVATION	DIVISION
Printed Name	e: Jon Field	s				Approved by	Environmental S	pecialist:	Shin
Title: Sr. Dire	ector, Envir	ronmental				Approval Dat	e: 4/28/1	L Expiration	Date:
E-mail Addre	ess: : jefiel	ds@eprod.com	n 			Conditions of	(/ Approval:	,	Attached
Date: 2 Attach Addi	-21- 2	1014	Phone	: (713)381-6684					
Attach Addi	tional Sne	ets IT Necess	агу			1.1.1.1.1		KO A	

#NCS1411836 125

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

Form C-141 Revised August 8, 2011

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

	• • •	¥	Rele	ase Notific		and \mathbf{C}		ction				<u>-</u>
			Ittit		auor	OPERAT			1 Initi	al Report		Final Report
Name of Co	ompany: F	Enterprise Fie	eld Servic	es LLC			nomas Long		<u>1 11100</u>	ar Report		т пат кероп
		Ave, Farming					No. 505-599-22	286		·····-		
Facility Nat						Facility Type: Natural Gas Gathering Line						
Surface Ow				Mineral C								
Sundeeon		•	•									
Unit Letter	Section	Township	Range	Feet from the		N OF REI South Line	Feet from the	East/Wes	at Lina	County		<u> </u>
B	13	25N	7W	reet nom me	Noruli	South Line	reet from the	East wes	st Line	San Juan		
	<u> </u>	<u> </u>			l			<u> </u>		<u> </u>		
		Lati	itude	36.40413		Longitud	e <u>-107.5218</u>	9				
		<u></u>			URE	OF REL						
		I Gas and Nat		Liquids		Determine				Recovered:		
		pment Damage	2			2/10/2014	lour of Occurrenc @ 4:00 p.m.		ate and () 4:00 p	Hour of Dis .m.	covery:	2/10/2014
Was Immedi	ate Notice (Yes 🗌	No 🛛 Not Re	equired	If YES, To	Whom?					
By Whom?					-	Date and H	lour			RCVD FEE	178	12
Was a Water	course Read	ched?	<u> </u>				lume Impacting t	the Waterco		OIL CON		
			Yes 🛛	No						DIST		
IC . Weters		pacted, Descri	L . D. 11. 4	•		L					<u> </u>	
Describe Are	a Affected	and Cleanup A	Action Tak	tag out) was appli ten.* An area of a	pproxim	ately 8 feet b	y 4 feet was impa	acted by a c	condensa	ate/water mi	x. Rep	air and
		r corrective ac		e week of Februa t.	ry 17, 20)14. A "final	" c-141 will be su	ubmitted up	oon rece	ipt of the thi	rd party	/
regulations a public health should their o or the environ	Il operators or the envir operations h nment. In a	are required to ronment. The ave failed to a	o report an acceptanc dequately CD accep	is true and comp id/or file certain r e of a C-141 repo investigate and r tance of a C-141	elease no ort by the emediate	otifications and NMOCD m	nd perform correct arked as "Final R on that pose a thr e the operator of	ctive action eport" does eat to grou responsibil	s for rele s not reli nd water ity for co	eases which ieve the oper , surface wa ompliance w	may en ator of ter, hur vith any	danger liability nan health
		/ / /	,				<u>OIL CON</u>	<u>SERVA</u>	<u>TION</u>	DIVISIC	₽ P	$\langle \rangle$
Signature:	m	Tul	·	·					/		ť.	\geq
Printed Name	e: Jon Field	s				Approved by	Environmental S	pecialist:	Can	X	1 pm	
Title: Sr. Dir	ector, Envir	onmental				Approval Dat	e: 4/28	/14 _{Exp}	piration	Date:		
E-mail Addre	ess: : jefielo	ds@eprod.com	1	· .	Conditions of Approval: Attached							
Date: 2	-21-2	014	Phone:	(713)381-6684								
* Attach Addi	tional Shee	ets If Necess	ary			Incio	lent # R	JUSI	411	838	781	

> 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

			Rel			\mathbf{r} and \mathbf{C}	orrective A	ctior	1			_
			_			OPERA'				al Report		Final Report
Name of Co	ompany: I	Enterprise Fi	eld Servi	ces LLC		Contact: Th	iomas Long			_ 1 _		
		Ave, Farmin					No. 505-599-22	86				
Facility Nat	me: Later	al 2C-55	• • • • • • • • • • • • • • • • • • •				e: Natural Gas		ing Line			
Surface Ow	mer: BLN	1		Mineral C)wner:E	BLM	······································		API No	•		
_				LOCA	TIO	N OF RE						
Unit Letter O	Section 19	Township 25N	Range 7W	Feet from the		South Line	Feet from the	East/	West Line	County San Juan		
		Lati	tude <u>3</u>	6.381886		_ Longitud	e <u>-107.61256</u>	<u>65</u>				
				NAT	URE	OF REL	EASE					
Type of Rele Water)	ease: Natur	al Gas and Na	atural Gas	Liquids (Produced	1	Volume of	Release: 65.13 N	MCF	Volume F	Recovered: '	Fo Be	Determined
		nal Corrosion					lour of Occurrenc @ 6:30 p.m.	e:	Date and (a) 6:30 p		covery	2/12/2014
Was Immedi	ate Notice		Yes	No 🗌 Not R	equired	If YES, To	Whom? Jonatha	n Kelly	– NMOCD	, Shari Ketc	hum -B	BLM
By Whom?	Thomas Lo	ng				Date and H	lour 2/14/2014 @	12:30	p.m			
Was a Water							olume Impacting t			roduced wa	ter and	natural gas
		\boxtimes	Yes 🛛	No			re released and en o flow approximation				The lie	quids
Describe Cau	use of Probl		edial Actio	n Taken.* A relea			the Lateral 2C-5: Seet by 45 feet was		ted by prod		:3'1 .DTU	1 ⁴⁴
and entered a	a small ephe	emeral wash.	The liquid	s appeared to flow	v approx	imately 40 fe	quids were release eet down the wash environmental co	. Repai	irs and Rem	ediation wor	•k bega	
regulations a public health should their o or the enviro	Il operators or the envi operations l nment. In a	are required ronment. The have failed to	to report and e acceptance adequately OCD accept	nd/or file certain r ce of a C-141 repo v investigate and r	elease no ort by the emediate	otifications a NMOCD m e contaminati	knowledge and u nd perform correc arked as "Final R on that pose a thr re the operator of r	tive act eport" o eat to g	tions for rele does not reli round water	eases which eve the oper , surface wa	may en ator of ter, hu	idanger liability man health
Signature:	In	tul					OIL CON	_	\bigcap		<u>N</u> -	9
Printed Nam	e: Jon Field	ls				Approved by	Environmental S			_ Xu		<u> </u>
Title: Sr. Dir	ector, Envi	ronmental				Approval Da	te: 4/28/14		Expiration	Date:		<u> </u>
E-mail Addr	ess: : jefiel	ds@eprod.co	m			Conditions o	f Approval:			Attached		
	a											

Incident # NCS 141 183 3436

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

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

						OPERA			🛛 Initia	al Report	L F	inal Rep
		Interprise Fie					nomas Long					
		Ave, Farming	gton, NM	87401			No. 505-599-22					
acility Na	me: Trunk	10A	·····			Facility Typ	e: Natural Gas	Gather	ing Line			
Surface Ov	nér: NAP	l/Navajo Na	ation	Mineral C	Dwner:B	BLM			API No).		
						J OF DE						
Jnit Letter	Section	Township	Range	Feet from the		NOF RE	Feet from the	Fact/	West Line	County		
SE/SW	27	26N	12W			South Ellic		Lasu	west Line	San Juan		
		Latit	tude 3	6.455283		Longitud	e <u>-108.1017</u>	75		· · · · · · · · · · · · · · · · · · ·		
					TIDE			<u> </u>				
vpe of Rela	ease: Natura	I Gas and Na	atural gas l		UKE	OF REL	Release: Unkno	wn	Volume F	Recovered: '	Lo Be De	termine
		nal Corrosion				Date and H	Iour of Occurrenc			Hour of Dis		
11		<u></u>					@ 12:30 p.m.		@ 12:30	p.m		
Vas Immed	ate Notice C		Yes 🗌] No 📋 Not R	equired		Whom? NMOCI Mike Freeman -		athan Kelly	, NNEPA - S	Steve Aus	stin, Gre
	Thomas Lor						lour 2/19/2014 @			one call		
Vas a Water	course Reac	_	Var N	2		If YES, Vo	olume Impacting t	the Wat	ercourse.			
] No								
Describe Ca nternal corr	use of Proble osion. An ar	pacted, Descr em and Reme ea of approxir	ibe Fully. dial Action nately 12	n Taken.* A relea	ash affect	ted. The line	the Trunk 10A. was blown down,	It is ant , taken o	icipated tha out of servic	e and LOTO) (lock ou	it tag out
Describe Ca nternal corr	use of Proble osion. An ar	pacted, Descr em and Reme ea of approxir	ibe Fully. dial Action nately 12	n Taken.* A relea feet by 25 feet wa	ash affect	ted. The line	the Trunk 10A. was blown down,	It is ant , taken (icipated tha	t the release the and LOTO RCVD M OIL COM DIS) (lock ou 1R 7 /1 IS. DIU	it tag out
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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

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

Form C-141

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

Release Notification and Corrective Action

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

LOCATION OF RELEASE

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

NATURE OF RELEASE

Latitude <u>36.7623</u>

_____Longitude __<u>-107.7178</u>_____

Type of Release: Natural gas and condensate liquids	Volume of Release: 62 MCF	Volume Recovered: Unknown
Source of Release: Natural gas meter tube/meter run	Date and Hour of Occurrence:	Date and Hour of Discovery: 12/13/2013
	12/13/2013 @ 10:00 a.m.	@ 10:00 a.m.
Was Immediate Notice Given?	If YES, To Whom? Brandon Powel	I NMOCD
🛛 Yes 🗌 No 🔲 Not Required		
By Whom? Thomas Long	Date and Hour 12/16/2013 7:16 a.m	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.*.	L	
Describe Cause of Problem and Remedial Action Taken.* A production co	ompany lease operator discovered gas	leaking from a meter tube flange. The
lease operator closed the upstream and downstream valves to stop the leak		
of approximately 1,288 square feet was impacted.		RCVD MAR 7'14
		571 556 576 B

OIL CONS. DIV. DIST. 3

Describe Area Affected and Cleanup Action Taken.*

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

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

Signature: Ju Trust	OIL CONSERVATION	DIVISION
Printed Name: Jon Fields	Approved by Environmental Specialist:	Sundal
Title: Director, Environmental	Approval Date: 4/24/2004 Expiration	Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:	Attached
Date: 3-4-2014 Phone: (713) 381-6684		
* Attach Additional Sheets If Necessary Inciden	1 # FLESALT HAR 31948	-
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Animas Environmental Services, LLC

www.animasenvironmental.com

February 6, 2014

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

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

RE: Release Assessment Report Howell M #1A December 2013 Meter Run Release SE¼ SW¼, Section 31, T30N, R8W San Juan County, New Mexico RCVD MAR 7'14 OIL CONS. DIV. DIST. 3

Dear Mr. Long:

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

1.0 Site Information

1.1 Location

Location – SE¼ SW¼, Section 31, T30N, R8W, San Juan County, New Mexico Latitude/Longitude – N36.76245 and W107.71817, respectively Surface Owner – Bureau of Land Management Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

1.2 NMOCD Ranking

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

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

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

> Durango, Colorado 970-403-3084

Thomas Long Howell M #1A Meter Run Release Assessment Report February 6, 2014 Page 2 of 5

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

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

1.3 Assessment and Mitigation

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

2.0 Soil Sampling

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

2.1 Field Screening

2.1.1 Volatile Organic Compounds

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

2.2 Laboratory Analyses

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

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

2.3 Field Screening and Laboratory Analytical Results

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

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

Table 1. Soil Field Screening VOC Results Howell M #1A Meter Run Release Assessment December 201

NA – not analyzed

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

Laboratory analytical results showed that benzene concentrations were below laboratory detection limits for all samples collected. Total BTEX concentrations ranged from below laboratory detection limits in SC-1 and SC-2 up to 16 mg/kg in the Historical Composite. TPH concentrations ranged from below the laboratory detection limit in SC-1 and SC-2 up to 880 mg/kg in the Historical Composite. Laboratory analytical results are included in Table 2 and on Figure 3. The laboratory analytical report is attached.

Sample ID	Date Sampled	Sample Depth (ft bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
NMOCD A	ction Level*		10	50	5,0	000
SC-1	12/18/13	2 to 2.5	<0.046	<0.23	<4.6	<10
SC-2	12/18/13	1 to 1.5	<0.048	<0.24	<4.8	<10
SC-3	12/18/13	1 to 3.5	<0.047	0.41	<4.7	25
Historical Composite	12/18/13	3.5	<0.23	16	350	530

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH Howell M #1A Meter Run Release Assessment, December 2013

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

3.0 Conclusions and Recommendations

Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 0. Field screening of SC-1 through SC-3 showed VOC concentrations above the NMOCD action level of 100 ppm, with the highest VOC reading recorded in SC-1 (192 ppm). However, laboratory analytical results reported benzene, total BTEX, and TPH below the applicable NMOCD action levels in all the samples (SC-1 through SC-3 and the Historical Composite). Based on field screening and laboratory results of the final excavation extents for petroleum contaminated soils (associated with the release), as well as historical contamination observed in the base of the northern portion of the excavation, benzene, total BTEX, and TPH concentrations are below the applicable NMOCD action levels. No further work is recommended for the Howell M #1A meter run release.

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

Sincerely,

Aleather M. Woods

Heather Woods, P.G. Project Manager

Thomas Long Howell M #1A Meter Run Release Assessment Report February 6, 2014 Page 5 of 5

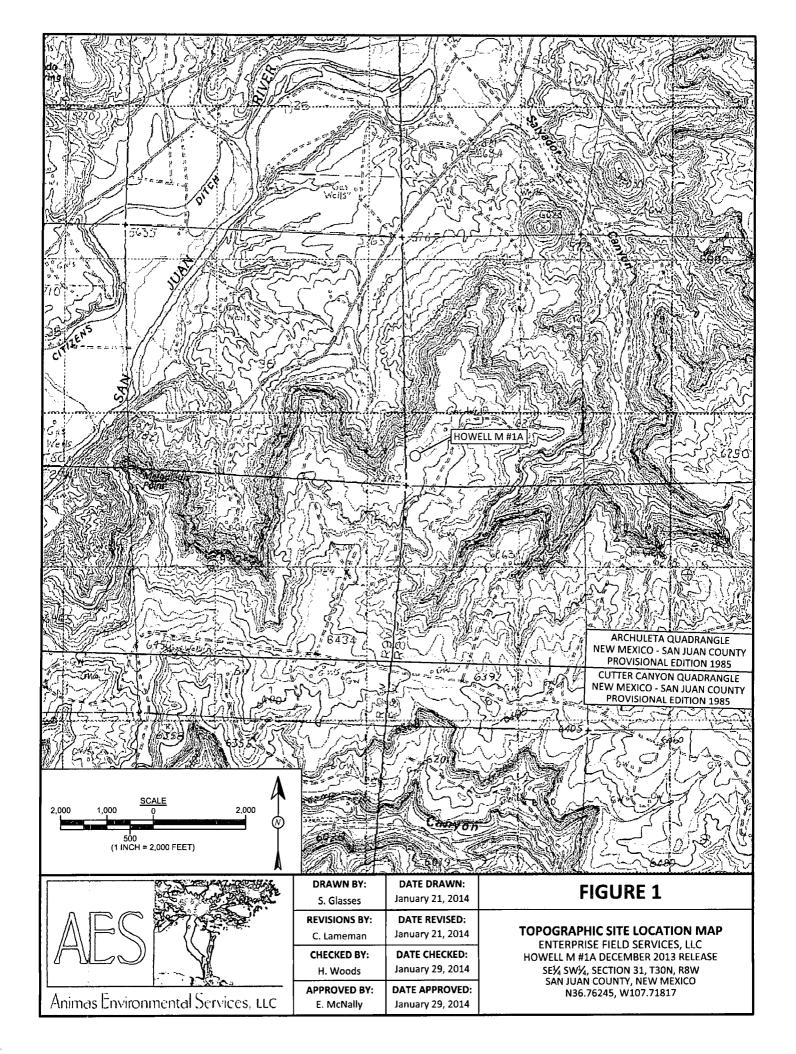
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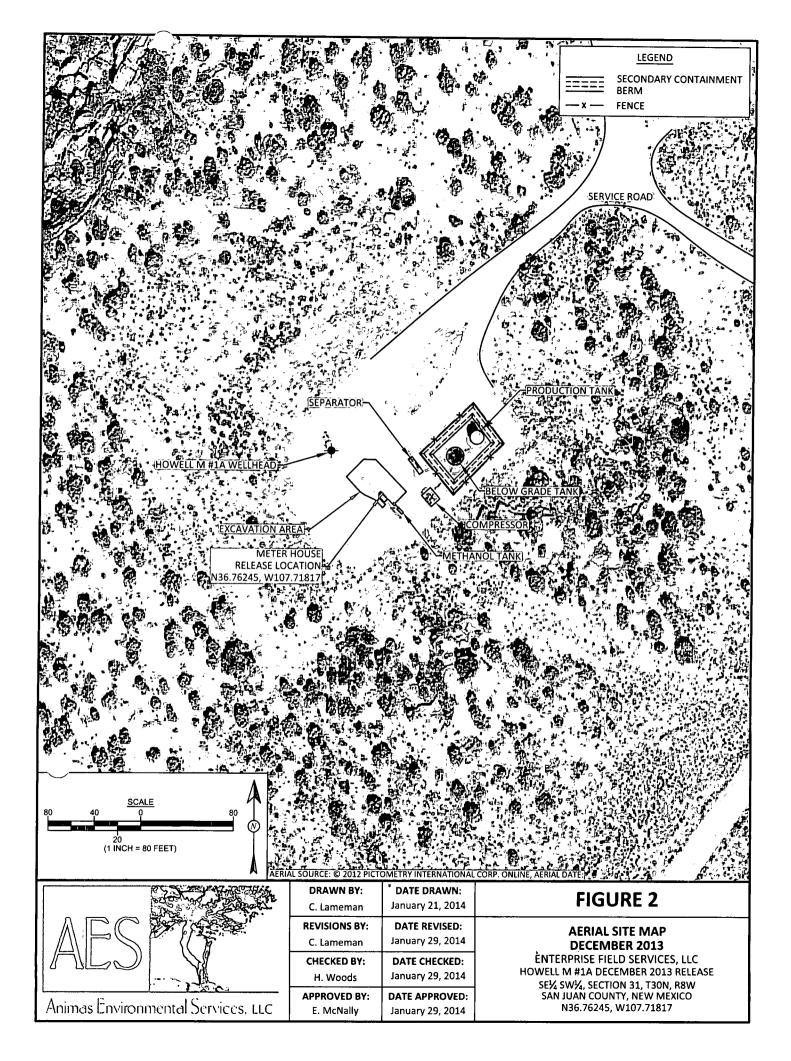
Elizabeth McNally, P.E.

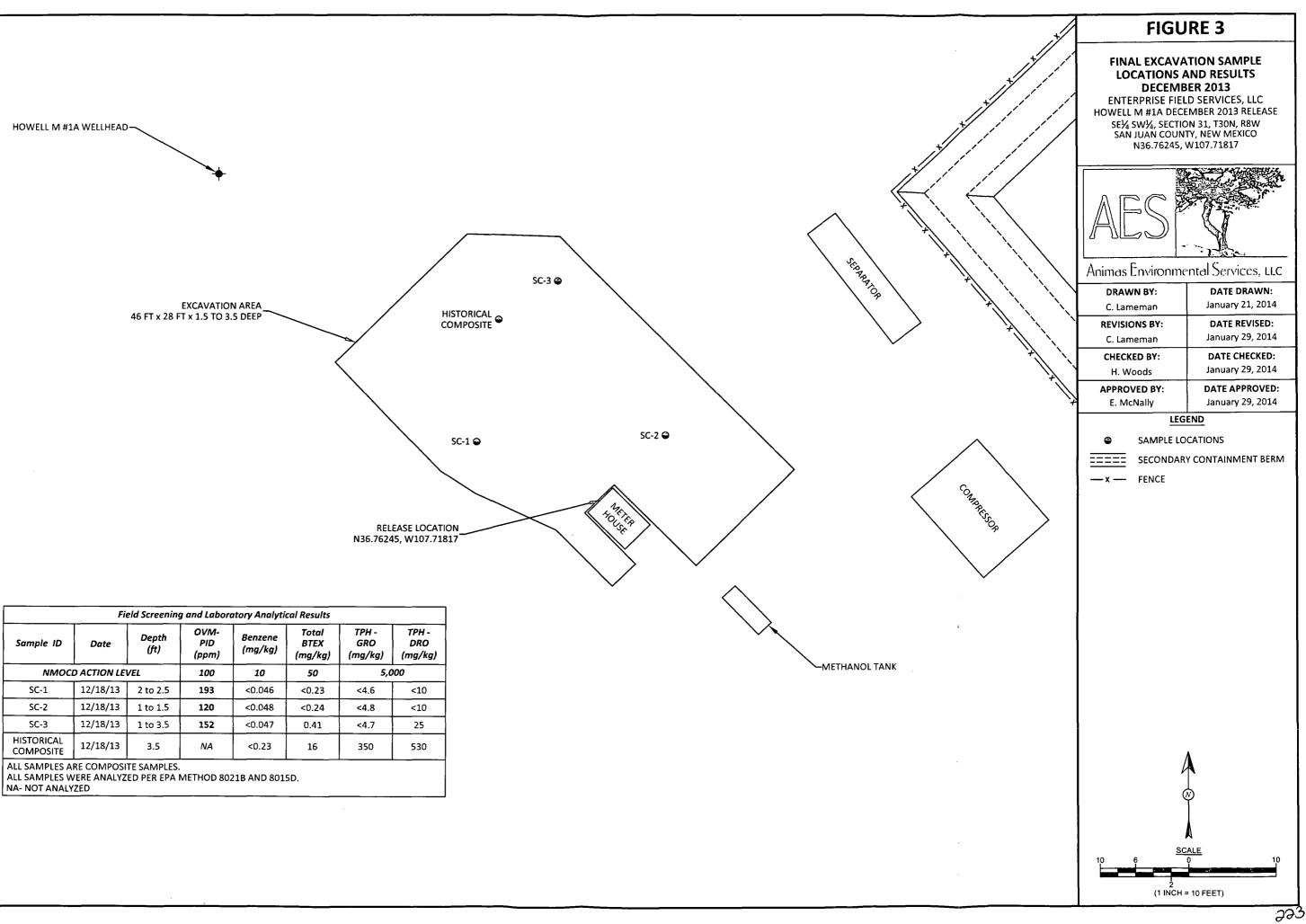
Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map Figure 3. Final Excavation Sample Locations and Results, December 2013 Bills of Lading (Envirotech 45444, 45445, 45457, and 45459) Photograph Log Laboratory Analytical Reports (Hall 1312A40)

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NA- NOT ANALYZED



MANIFEST # 45444 DATE 12-18-13 JOB # 97857-0613

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

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



MANIFEST # 45445 DATE 2-18.13 JOB # 97057-6613

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

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TRANSPORTER CO. Doug Foutz Const	NAME Randy Foutz	SIGNATURE Kurly Forth
J		DATE 12-18-13

Signatures required prior to distribution of the legal document.



MANIFEST # 45457 DATE <u>1:2-15-1-3</u> JOB # <u>97857-0613</u>

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

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MANIFEST # 45459 DATE **12-19-13** JOB # <u>97857-0413</u>

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

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	······································										
RESULT	S:		LANDFARM	À	1	ĒL		NOTES:		J	
<287	CHLORIDE TES	12	EMPLOYEE:	Joe R	~~~~						
	PAINT FILTER T	EST 2	Certifi	Certification of above receival & placement							FDC
By signing	as the driver/tra	nsporter, I	certify the material and that no additior	hauled from the a	bove location	on has not	been add	ded to or tampered to	with. I ce	ertify the	material is from the above
					Traces			SIGNATURE	$\mathcal{O}_{\mathbf{a}}$		and the

TRANSPORTER CO. DOUG FUNT Z	NAME James	Benally	SIGNATURE Game	early_	
	PHONE		DATE 12-19-13		

Signatures required prior to distribution of the legal document.

Photo #1	Li come de la come de
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking northwest.

•

Photo #2	A
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking northeast.

Photo #3	
Client:	
Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by:	
Heather Woods	
Date:	
December 18, 2013	
AES Project No.	Description:
131229	View of excavation area looking southeast.

Photo #4	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking southeast.

Photo #5	
Client: Enterprise Field Services, LLC	
Project: Howell M #1A	
Taken by: Heather Woods	
Date: December 18, 2013	
AES Project No. 131229	Description: View of excavation area looking south. Historical contamination was observed in the base of this deeper area.



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

January 03, 2014

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX

RE: Enterprise Howell M #1A

OrderNo.: 1312A40

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/19/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

andia

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1312A40

Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Animas Environmental Services
 Client Sample ID: SC-1

 Project:
 Enterprise Howell M #1A
 Collection Date: 12/18/2013 11:37:00 AM

 Lab ID:
 1312A40-001
 Matrix: SOIL
 Received Date: 12/19/2013 9:45:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF Date Analyzed
 Batch

						-
EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst: JME	
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/24/2013 8:13:13 PM 10940)
Surr: DNOP	100	, 66-131	%REC	1	12/24/2013 8:13:13 PM 10940)
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/24/2013 4:01:07 PM 10957	7
Surr: BFB	87.0	74.5-129	%REC	1	12/24/2013 4:01:07 PM 10957	7
EPA METHOD 8021B: VOLATILES					Analyst: NSB	
Benzene	ND	0.046	mg/Kg	1	12/24/2013 4:01:07 PM 10957	7
Toluene	ND	0.046	mg/Kg	1	12/24/2013 4:01:07 PM 10957	7
Ethylbenzene	ND	0.046	mg/Kg	1	12/24/2013 4:01:07 PM 10957	7
Xylenes, Total	ND	0.092	mg/Kg	1	12/24/2013 4:01:07 PM 10957	7
Surr: 4-Bromofluorobenzene	93.4	80-120	%REC	1	12/24/2013 4:01:07 PM 10957	7

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	d Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Daga 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and T	Page 1 of 7 OC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1312A40 Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services **Client Sample ID: SC-2 Project:** Enterprise Howell M #1A Collection Date: 12/18/2013 2:56:00 PM 1312A40-002 Lab ID: Matrix: SOIL Received Date: 12/19/2013 9:45:00 AM Analyses Result **RL** Qual Units **DF Date Analyzed** Batch EPA METHOD 8015D: DIESEL RANGE ORGANICS Analyst: JME Diesel Range Organics (DRO) ND 10 12/24/2013 8:35:14 PM 10940 mg/Kg 1 Surr: DNOP 98.3 66-131 %REC 12/24/2013 8:35:14 PM 10940 1

EPA METHOD 8015D: GASOLINE RANG	ЭE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/24/2013 4:29:42 PM	10957
Surr: BFB	86.5	74.5-129	%REC	1	12/24/2013 4:29:42 PM	10957
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	12/24/2013 4:29:42 PM	10957
Toluene	ND	0.048	mg/Kg	1	12/24/2013 4:29:42 PM	10957
Ethylbenzene	ND	0.048	mg/Kg	1	12/24/2013 4:29:42 PM	10957
Xylenes, Total	ND	0.095	mg/Kg	1	12/24/2013 4:29:42 PM	10957
Surr: 4-Bromofluorobenzene	94.9	80-120	%REC	1	12/24/2013 4:29:42 PM	10957

Qualifiers:	Qualifiers: * Value exceeds Maximum Contaminant Leve		В	Analyte detected in the associated Method Blank
	Ε	Value above quantitation range	н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 7
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 2 of 7 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report Lab Order 1312A40

Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-3

 Project: Enterprise Howell M #1A
 Collection Date: 12/18/2013 3:55:00 PM

 Lab ID: 1312A40-003
 Matrix: SOIL

 Received Date: 12/19/2013 9:45:00 AM

 Analyses
 Result

 Result
 RL Qual Units

 DF Date Analyzed
 Batch

EPA METHOD 8015D: DIESEL RANGE C	RGANICS				Analyst: JME
Diesel Range Organics (DRO)	25	10	mg/Kg	1	12/24/2013 8:57:07 PM 10940
Surr: DNOP	94.5	66-131	%REC	1	12/24/2013 8:57:07 PM 10940
EPA METHOD 8015D: GASOLINE RANG	ε				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	12/24/2013 4:58:25 PM 10957
Surr: BFB	88.9	74.5-129	%REC	1	12/24/2013 4:58:25 PM 10957
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.047	mg/Kg	1	12/24/2013 4:58:25 PM 10957
Toluene	0.12	0.047	mg/Kg	1	12/24/2013 4:58:25 PM 10957
Ethylbenzene	ND	0.047	mg/Kg	1	12/24/2013 4:58:25 PM 10957
Xylenes, Total	0.29	0.094	mg/Kg	1	12/24/2013 4:58:25 PM 10957
Surr: 4-Bromofluorobenzene	94.8	80-120	%REC	1	12/24/2013 4:58:25 PM 10957

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Analytical Report Lab Order 1312A40 Date Reported: 1/3/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

1312A40-004

Enterprise Howell M #1A

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Project:

Lab ID:

Client Sample ID: Historical Composite Collection Date: 12/18/2013 4:00:00 PM Received Date: 12/19/2013 9:45:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				· · ·	Analyst	JME
Diesel Range Organics (DRO)	530	10		mg/Kg	1	12/24/2013 9:19:05 PM	10940
Surr: DNOP	102	66-131		%REC	1	12/24/2013 9:19:05 PM	10940
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	350	46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Surr: BFB	226	74.5-129	s	%REC	10	12/24/2013 5:55:41 PM	10957
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.23		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Toluene	ND	0.46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Ethylbenzene	ND	0.46		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Xylenes, Total	16	0.93		mg/Kg	10	12/24/2013 5:55:41 PM	10957
Surr: 4-Bromofluorobenzene	103	80-120		%REC	10	12/24/2013 5:55:41 PM	10957

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	d Blank
	Ε	Value above quantitation range	н	Holding times for preparation or analysis	exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and T	OC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A40 03-Jan-14

Client: Project:		Environmental						_			
Sample ID	MB-10939	SampType	MBLK	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID:	PBS	Batch ID:	10939	F	tunNo: 1	5679					
Prep Date:	12/23/2013	Analysis Date:	12/24/2013	S	eqNo: 4	52732	Units: %REC				
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		10	10.00		101	66	131				
Sample 1D	MB-10940	SampType	MBLK	Tes	TestCode: EPA Method 8015D: Diesel Range Organics						
Client ID:	PBS	Batch ID	10940	F	RunNo: 1	5679					
Prep Date:	12/23/2013	Analysis Date	12/24/2013	S	SeqNo: 4	52733	Units: mg/K	g			
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	ND	10								
Surr: DNOP		12	10.00		117	66	131				
Sample ID	LCS-10939	SampType	LCS	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID:	LCSS	Batch ID	10939	RunNo: 15679							
Prep Date:	12/23/2013	Analysis Date	12/24/2013	S	SeqNo: 4	52735	Units: %REC				
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		6.3	5.000		126	66	131				
Sample ID	LCS-10940	SampType	LCS	Tes	tCode: El	PA Method	8015D: Diese	I Range (Drganics		
Client ID:	LCSS	Batch ID	10940	F	RunNo: 1	5679					
Prep Date:	12/23/2013	Analysis Date	12/24/2013	S	SeqNo: 4	52736	Units: mg/K	g			
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	70	10 50.00	0	140	60.8	145				
Surr: DNOP		6.5	5.000		131	66	131				

Qualifiers:

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

Page 5 of 7

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A40

03-Jan-14

	Environme ise Howell l		vices								
Sample ID MB-10957	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batcl	n ID: 10	957	RunNo: 15727							
Prep Date: 12/23/2013	Analysis D	Date: 12	2/24/2013	5	SeqNo: 4	53870	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	880		1000		87.7	74.5	129				
Sample ID LCS-10957	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e		
Client ID: LCSS	Batcl	h ID: 10	957	F	RunNo: 1	5727					
Prep Date: 12/23/2013	Analysis E	Date: 12	2/24/2013	S	SeqNo: 4	53871	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	74.5	126				
Surr: BFB	960		1000		95.6	74.5	129				

Qualifiers:

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

Page 6 of 7

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

1312A40 *03-Jan-14*

WO#:

	imas Environme erprise Howell		vices							
Sample ID MB-10957	-	 Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles						· · · · · · · · · · · · · · · · · · ·
Client ID: PBS	Batc	h ID: 10	957	F	RunNo: 1					
Prep Date: 12/23/2013	3 Analysis (Date: 12	2/24/2013	SeqNo: 453911			Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Foluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	e 0.99		1.000		99.4	80	120			
Sample ID LCS-10957	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 10	957	F	RunNo: 1	5727				
Prep Date: 12/23/2013	Analysis [Date: 12	2/24/2013	S	SeqNo: 4	53912	Units: mg/K	ξg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	108	80	120			
Foluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
(ylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	e 1.1		1.000		106	80	120			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Num	ber: 1312A40		RcptNo: 1
Received by/date: [2]9]			
Logged By: Lindsay Mangin 12/19/2013 9:45:00) AM	And the state of t	
Completed By: Lindsay Mangin 12/21/2013 9:16:1	AM	And Hange	
Reviewed By: 12/23	3		
Chain of Custody	<u> </u>		
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗔
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🖌	No 🗌	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌	
9. Was preservative added to bottles?	Yes 🗌	No 🗹	
10.VOA vials have zero headspace?	Yes 🗌	No 🗌	No VOA Vials 🗹
11. Were any sample containers received broken?	Yes 🗆	No 🗹 🛛	· · ·
			# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 📙	for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗆	Adjusted?
14, Is it clear what analyses were requested?	Yes 🗹	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)			
	Vec 🗖		
16. Was client notified of all discrepancies with this order?	Yes	No 🗌	
Person Notified: Date		417%- 427 10. 11. 4440 B. B. B. B.	
By Whom: Via:	eMail 🗌 f	Phone 🗌 Fax	In Person
Regarding:		a soland "a constant put to a success of the 4 which some	
Client Instructions:			
17. Additional remarks:			

18. Cooler Information

	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1	3.1	Good	Yes			

Client: Mailing Farm Phone email o	Address Address inclar #: 505 r Fax#: Package:	Environ 1024 F NM B - 564		Standard Project Name Enterprise Project #: Project Mana H. Wood	e: Hawell M #/ ger:		S (8021)	Te	el. 50	lawki)5-34	WWV ins N 15-39	AL v.hal NE - 975	lenv Alb	ironr ouque ax /sis	ment erqu 505- Req	A E tal.co e, Ni -345-	30 om M 87 -4107		TO	RY	
<u> </u>	AP (Type)			Sample Tem	Perature: 3	⊡ No 1 FIEAL No.		BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DI	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
Date	Time 137	Matrix Soil	Sample Request ID	Type and #	Туре	HEAL NO. 1812A40 001	X BTEX	втех	🛩 🛛 ТРН 8) HQT	EDB (PAH's	RCRA	Anion	8081	8260E	8270 (Air Bu
118/13		Soul	SC-2	1-402		-002	X		X			-			•		_				
2/10/13	1555		SC-3	1-402		-203	X		X												
2/18/13	1600	50,1	Historical Composite	1-402		-004	Х́		X												
																			<u> </u>		
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rer	nark	s: B	214		Ent	erpt	મંગ	Fù	ed	ser	بنوء	 		
Date: 2/ 18/13	1741 Time: 1759	Relinquish	the house	Received by	July I	-9/8/3/14 Dafe Time 2/19/13/094	5														
lf	necessary,	samples subi	mitted to Hall Environmental may be subc	contracted to other ad	credited laboratorie	es. This serves as notice of this	s possi	bility. <i>I</i>	Any su	/b-conf	tracted	d data	will be	e clear	ly nota	ated or	n the ai	ualytical	report.		

State of New Mexico Energy Minerals and Natural Resources

> 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.

Form C-141 Revised August 8, 2011

	·	·		58	anta Fe	e, NM 875	05					
	Release Notification and Corrective Action											
						OPERA	ſOR		🛛 Initi	al Report		Final Report
							iomas Long					
		Ave, Farming	gton, NN	1 87401			No. 505-599-22					
Facility Na	ne: Latera	10A-5				Facility Typ	e: Natural Gas	Gatherin	g Line			
Surface Ow	ner: NAP	I/Navajo Na	ation	Mineral C	Owner:E	BLM			API No	D.		
						N OF REI	FASE					
Unit Letter	it Letter Section Township Range Feet from the North/						Feet from the	East/W	est Line	County		
<u>M</u>		26N Latit		<u> </u>		Longitud	e <u>-108.1033</u>	ـــــــــــــــــــــــــــــــــــــ		San Juan	<u> </u>	
Latitude 36.438323 Longitude -108.103399 NATURE OF RELEASE												
Type of Rela	ase: Natura	I Gas and Na	atural oas		UKE		Release: Unkno	wn	Volume	Recovered	To Re	Determined
		nal Corrosion					lour of Occurrence					: 2/19/2014
			·			2/19/2014:	00 p.m.		@ 4:00 p).m.	-	
Was Immedi	ate Notice C] No 🔲 Not R	aquirad		Whom? NMOC Mike Freeman -		han Kelly	, NNEPA -	Steve A	Austin, Greg
<u> </u>	cc1 x				equirea							
By Whom? Was a Water				······································			lour 2/20/2014 @			hone call		
was a water	course reac]Yes 🛛	🛛 No			nume impacting	the water	course.			
		pacted, Descr										
a pin hole w	use of Proble as identified	em and Reme The line was	s blown d	on Taken.* A relea	ase was c service a	iscovered on and LOTO (Ic	the Trunk 10A-5 ock out tag out) w	while lov	wering. E	xternal corr	osion w	as found and
began Febru	ary 28, 2014	, , , , , , , , , , , , , , , , , , ,	5 010 m u	own, taken out of	501 1100 0		for our lag out in	as apprice	. 111010	KCVD M	NR7	14
										OIL CON	5. DIV	<u>,</u>
										DIS		
Describe Are	a Affected	and Cleanup /	Action Ta	ken.* Repair and	l Remedi	iation activiti	es began on Febri	uary 28, 2	014. A "	final" c-141	will be	e submitted
upon receipt	of the third	party environ	mental co	ntractor correctiv	e action	report.						
L hereby cert	ify that the i	nformation g	iven abov	e is true and comp	lete to th	he best of my	knowledge and i	Inderstand	that nur	suant to NM		ules and
				nd/or file certain								
public health	or the envi	ronment. The	e acceptan	ce of a C-141 rep	ort by the	e NMOCD m	arked as "Final R	leport" do	es not rel	lieve the ope	rator of	fliability
				y investigate and i ptance of a C-141								
		ws and/or reg			report u		e the operator of	responsib	inty for c		ann an	y other
	\sim	7-7	1.			OIL CONSERVATION DIVISION						
Signature	$\langle \rangle$	1							\circ			
Signature:		Tur	ζ			Annual hu	Environmental S	nooiolioti	(m	V		\leq
Printed Nam	e: Jon Field	s							Ľ)	<u>5 </u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Title: Direct	Printed Name: Jon Fields Approved by Environmental Specialist:											
E-mail Addr	ess: jefield	s@eprod.com	1			Conditions of	f Approval:			Attached	i Lī	
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								Anached	· [_]	
Date:		2014		e: (713) 381-6684								
Attach Add	itional She	ets If Necess	sary		۱.1		-					
				INCIDER	オキ	INC	5 141 14	53	490	~		
							•••	- 0		,		

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 S. St. Fra	ncis Dr., Sant	a Fe, NM 8750:	>	Sa	anta I	Fe, NM 875	05					
			Rele	ease Notific	catio	on and Co	orrective A	ction				
						<b>OPERA</b>	ГOR		🔲 Initi	al Report	$\boxtimes$	Final Report
		Enterprise Fi			·	Contact: Th	¥					
		Ave, Farmin	<u> </u>	87401			No. 505-599-22					
Facility Na	me: Atlan	tic C#1A W	ell Site			Facility Typ	e: Well Site/M	eter Tub	be			<u> </u>
Surface Ow	vner: Priva	ate		Mineral C	Dwner	:BLM			API No	).		
			· .	LOCA	ATIC	<b>DN OF REI</b>	LEASE					
Unit Letter							East/W	West Line County			<u> </u>	
С	35	31N	10W							San Juan		
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					TIRI	E OF RELI		<b>-</b>				
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		ice Flange on					lour of Occurrent	ce:		Hour of Disc	covery	: 1/8/2014
Was Immed	iate Nation	Given?			<u> </u>	1/8/2014 @	<u>0</u> 4:30 p.m.		@ 4:30 p	.m.		
was minedi	Tate NOLICE		] Yes [	] No 🖾 Not R	equired		wnom?					
By Whom?	Thomas Lo				•	Date and F	lour:					
Was a Water							olume Impacting	the Wate	rcourse.			
		Ę	] Yes 🗵	No								
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*	<u> </u>							<u> </u>
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Deceribe A:	a Affacted	and Cleanup	Action Tol	(on *						DIST	<u> </u>	
A release fro environment	om an orific tal contracto	or oversaw rem	meter tube nediation a	at the Atlantic Cateria at the Atlantic Cateria and collectivities and collection of the collection of	ected c	losure samples	on 1-16-14. App	proximate	ely twenty-	-four (24) cul	bic yar	rds of
regulations a public health should their or the enviro	all operators n or the envi operations l onment. In a	are required t ironment. The have failed to	to report and e acceptand adequately DCD accept	e is true and comp nd/or file certain r ce of a C-141 rep v investigate and r otance of a C-141	release ort by i remedi	notifications and the NMOCD mate contamination	nd perform correct arked as "Final R on that pose a th	ctive acti Report" d reat to gr	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 ıman health
	/		1				OIL CON	ISERV	ATION	DIVISIO	)N	
Signature:	In	tules	/			-			Λ			$\bigcirc$
Printed Nam	ne: Jon Field	ls				Approved by	Environmental S	Specialist	an	5 In	<u></u>	s)
Title: Direct	or, Environ	mental				Approval Dat	te: 4/24/1	14 1	Expiration	Date:		
E-mail Addı	ress: : jefiel	ds@eprod.coi	m			Conditions of	f Approval:	,		Attached		
Date:	2-4-	-26/4	Phone	: (713) 381-6684			- <u></u>					
Attach Add	itional She	ets If Neces	sary		Incid	kend # N	(S 14114	553	50 (		(	37)

Enterprise Products Atlantic C #1A Meter Run Release Latitude North 36.860060, Longitude West -107.855785 Unit C Section 35 T31N R10W San Juan County, New Mexico February 11, 2014

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



## Submitted To:

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

## Submitted By:

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



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## **Appendices:**

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

## **1.0 Executive Summary**

On January 16, 2014, Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the Atlantic C #1A meter run release. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION											
Name											
	Latitude	Latitude/Longitude Section, Township, Rang									
Location	36.860060°	(NE ¼ /NW ¼ )									
Date Reported	January 9, 2014										
	Thomas Long	)									
Land Owner	Private										
Reported To	New Mexico	<b>Oil Conservation</b>	Division (NMOCD)								
Diameter of Pipeline	3 inches										
Source of Release	Faulty flange	Faulty flange connection/Freezing									
Release Contents	Natural Gas/Condensate										
Release Volume: Natural Gas	Unknown										
Release Volume: Liquids/Condensate	89 MCF of Ga	as, Unknown am	ount of Condnsate								
Nearest Waterway	Tributary of H	lart Canyon Was	h								
Depth to Groundwater	Less than 50	feet									
Nearest Domestic Water Source	Greater than	200 feet									
NMOCD Ranking	40										
SMA Response Dates	1/16/2014										
Subcontractors	Energy Maint	enance Services	(EMS)								
Disposal Facility	Industrial Eco	systems Incorpo	rated (IEI)								
Yd ³ Contaminated Soil Excavated and Disposed	24										

## 2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the 3-inch meter run release. The release was due to the meter run freezing which resulted in a faulty flange. It was reported that approximately 89 thousand cubic feet (MCF) was released during the release. The amount of condensate liquids released are unknown. The release was reported January 9, 2014 and was located in (NE/NW) Unit C, Section 35, Township 31 North, Range 10 West, 36.860060°, -107.855785°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

### 3.0 Site Ranking and Land Jurisdiction

The release site is located less than 450 feet south of an unnamed wash that is an unnamed tributary to the Hart Canyon Wash on privately owned land with an elevation of approximately 6,350 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

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

The physical location of this release is within the jurisdiction of NMOCD. This release location has been assigned a NMOCD ranking of 30 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

## 4.0 Summary of Field Activities

On January 16, 2014, SMA mobilized to the release site to oversee excavation activities and to delineate the release area through field screening using a calibrated photoionization detector (PID). Concurrently, Energy Maintenance Services (EMS) fixed the faulty flange connection. During the excavation, soil samples were collected for field screening to determine the extent of the release. Under the supervision and direction of SMA, EMS excavated and transported the hydrocarbon impacted soil. Tables 3 summarize the field screening results. Field notes for these events are included in Appendix A. The final excavation covered approximately 1,500 square feet, measuring approximately 75 feet long by 20 feet wide. The majority of the excavation reached a depth of approximately 0.5 feet bgs. One section within the total area, measured approximately 10 feet long by 20 feet wide, was excavated to a depth of approximately 2.5 bgs. Field screening of the excavated material determined that the soils removed were not suitable for use as backfill material. Approximately 24 cubic yards of impacted soil was transported to Industrial Ecosystems Inc. Landfarm, on Crouch Mesa near Bloomfield, New Mexico for disposal. A certificate of waste is included in Appendix C.

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

## 5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 30: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH. Laboratory analysis detected DRO in samples SC-1 (12ppm), SC-5 (10ppm) and the base excavation sample (10ppm). All of the laboratory results reported below the NMOCD Guideline standards based on the site ranking. Laboratory analysis of the excavation detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines for all other samples. The impacted soil was hauled off site for disposal. Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

### 6.0 Closure and Limitations

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

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

Submitted by:

Reviewed by:

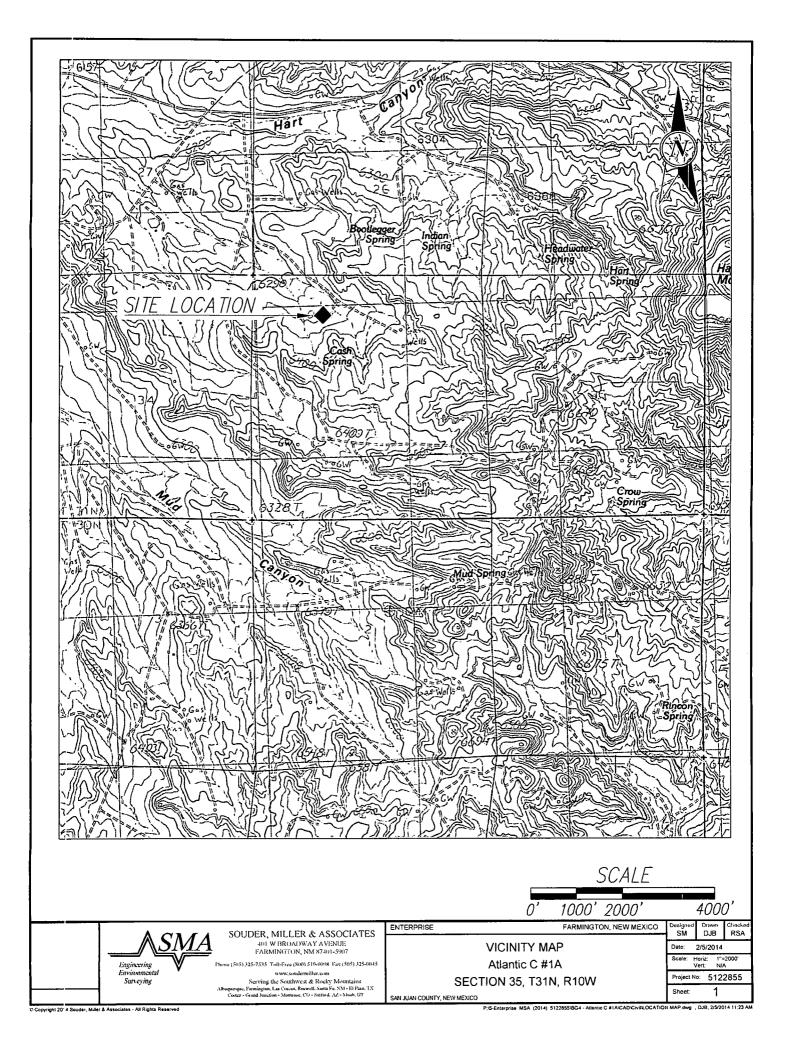
SOUDER, MILLER & ASSOCIATES

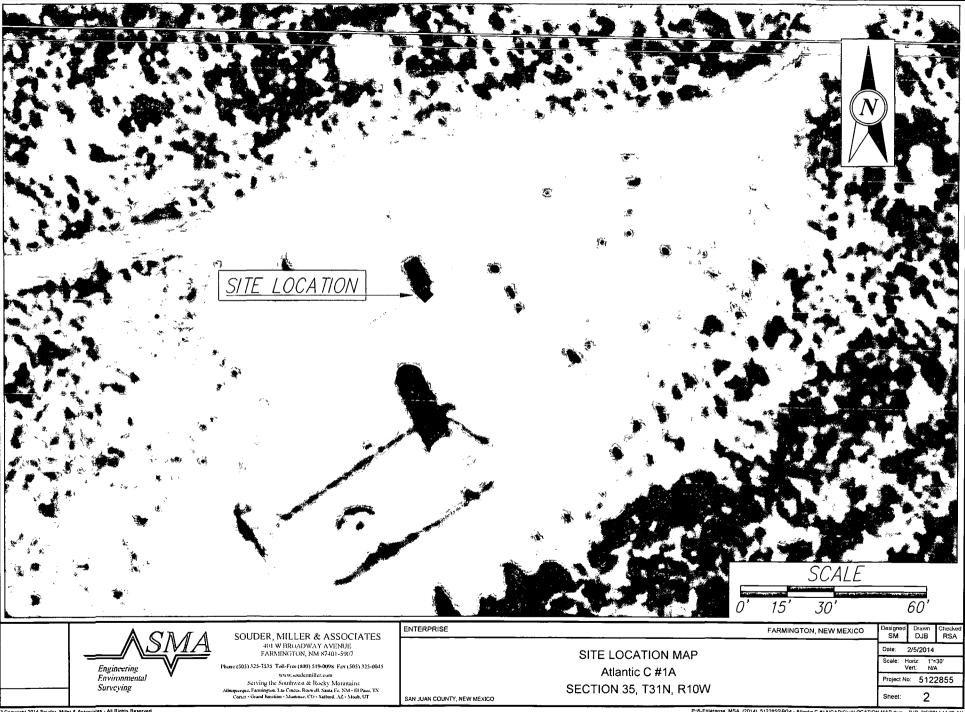
Term Mille

Steve Moskal Project Scientist

1. alle

Reid S. Allan, PG Principal Scientist

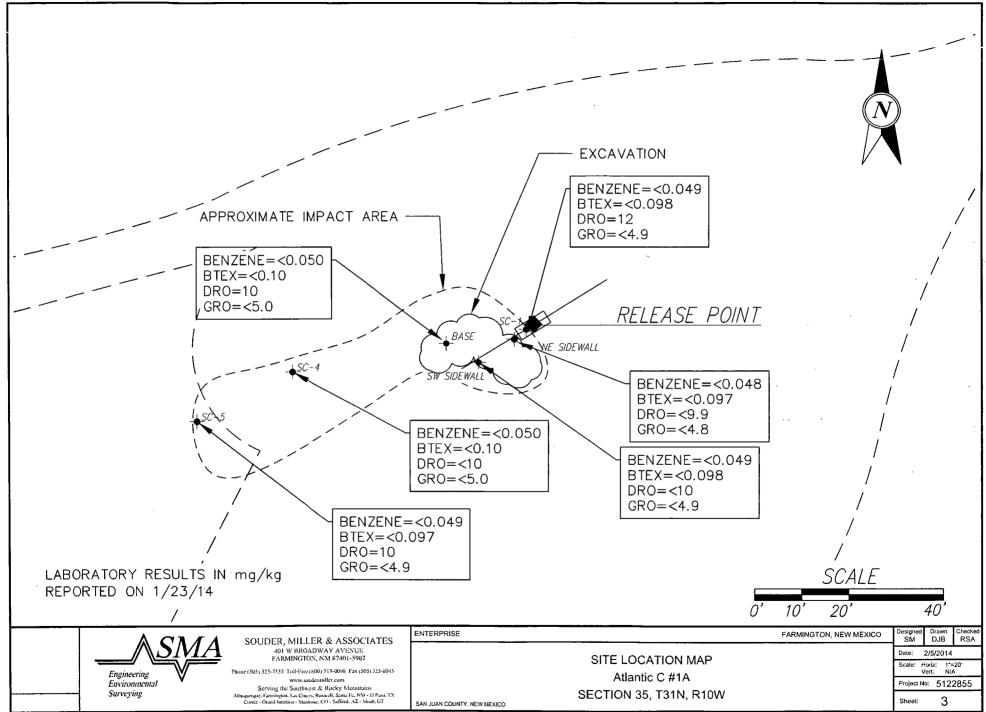




Copyright 2014 Souder, Miller & Associates - All Rights Reserved

P:5-Enterprise MSA (2014) 5122855\BG4 - Atlantic C #1A\CAD\Civ\ILOCATION MAP.ovg , DJB, 2/5/2014 11:25 AM

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Copyright 2014 Souder, Miller & Associates - All Rights Reserved

P:\5-Enterprise MSA (2014) 5122855\BG4 - Atlantic C #1A\CAD\CIvilLOCATION MAP.dwg, DJB, 2/7/2014 1:46 PM

Enterprise Products Table 2: Site Ranking

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Verified using Google earth and Topo maps;	Groundwater is assumed to be less than 50 feet
50' to 99' = 10 >100' = 0		Field verified.	below the ground surface.
Flanking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		Verified using Google	Release is located approximately 450 feet
200'-1000' = 10	10	Earth and Topo maps; Field verified.	south of an unnamed tributary of Hart Canyon
>1000' = 0			Wash
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0	New Mexico State Engineer's Office online water well data base	No recorded water wells located with 1,000 feet. Twenty-one wells within a 1 mile radius.
			· · · · · · · · · · · · · · · · · · ·
Total Site Ranking	30		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
ТРН	5000 PPM	1000 PPM	100 PPM



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

	FIELD SCREENING RESULTS SUMMARY									
Date	Time	Field screening Reference	Sample Depth (Feet BGS)	PID Reading	Lab Sample Collected Y/N					
1/16/2014	12:00	SC-1 (In meter house @ RP)	2.00	1.1	Y					
1/16/2014	12:28	SC-2 (N. of meter house 10')	1.00	11.2	N					
1/16/2014	12:13	SC-3 (W. of SC-2, 25')	0.75	6.5	N					
1/16/2014	12:15	SC-4 (W. of SC-2, 50')	0.50	1.7	Y					
1/16/2014	12:27	SC-5 (W. of SC-2, 75')	0.00	1.0	Y					
1/16/2014	12:30	SC-1 (In meter house @ RP)	0.50	5.5	N					
1/16/2014	12:31	SC-6 (SW of Meter House)	0.75	537.4	N					
1/16/2014	12:32	SC-7 (SW of Meter House)	0.50	0.8	N					
1/16/2014	13:05	SC-6 (SW of Meter House)	1.00	1174.0	N					
1/16/2013	13:20	SC-8 S.W. meter house	1.00	842.6	N					
1/16/2014	13:22	SC-8 S.W. meter house	2.00	73.7	N					
1/16/2014	13:48	SC-6 (SW of Meter House)	2.00	52.3	N					
1/16/2014	14:05	SW sidewall excavation	2.00	659.2	N					
1/16/2014	14:06	NE sidewall excavation	2.00	24.9	Y					
1/16/2014	14:07	Base excavation	2.00	35.9	Y					
1/16/2014	14:30	SW sidewall excavation	2.00	6.3	Y					

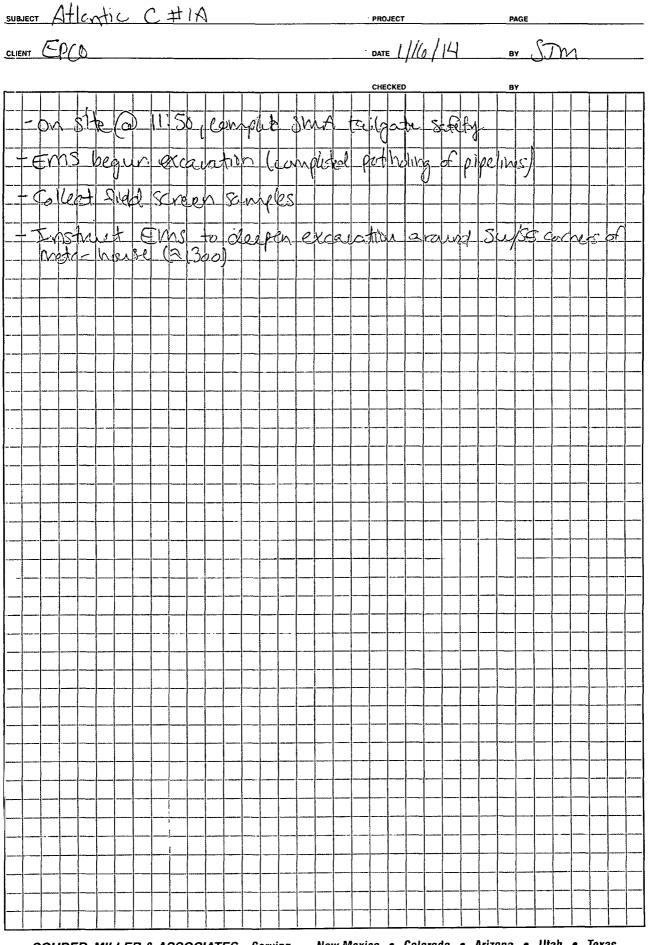


Enterprise Products Table 4: Summary of Laboratory Analysis Results in mg/Kg Atlantic C #1A Meter Run Release 2/11/2014

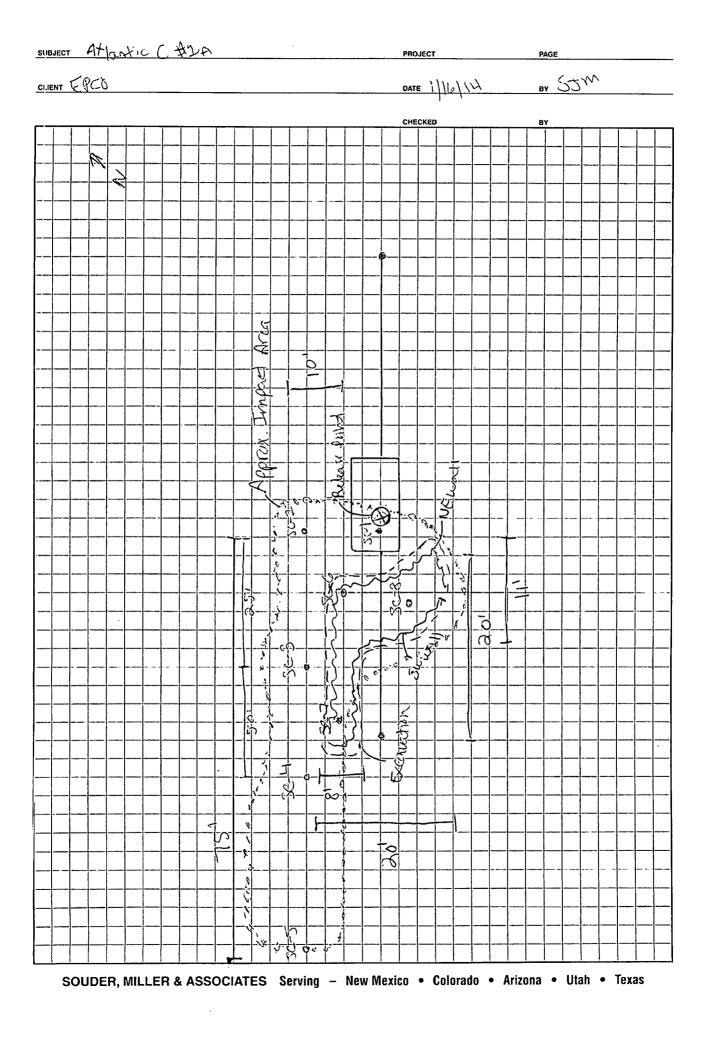
		LABORATO	RY ANALYTICA	L SUMMAR	RY		
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD G	uidelines	NMOCD Site Ran	king: 30	100	ppm	10 ppm	50 ppm
1/16/2014	12:00	SC-1 ( In meter house @ RP)	2.0	<4.9	12	<0.049	<0.098
1/16/2014	12:15	SC-4 ( W. of SC-2, 50')	0.5	<5.0	<10	<0.050	<0.10
1/16/2014	12:16	SC-5 ( W of SC-2, 75')	0.0	<4.9	10	<0.049	<0.097
1/16/2014	2:07	Base excavation	2.0	<5.0	10	<0.050	<0.10
1/16/2014	2:06	NE Sidewall excavation	2.0	<4.8	<9.9	<0.048	<0.097
1/16/2014	2:30	SW Sidewall excavation	2.0	<4.9	<10	<0.049	<0.098

<u> ASMA</u>

APPENDIX A FIELD NOTES



SOUDER, MILLER & ASSOCIATES Serving - New Mexico • Colorado • Arizona • Utah • Texas



	Field Screening										
		Location Name		<u></u>	D	ate					
	Atlantic	CHIA	r		1/16/1	2)					
	Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)					
14	<u>X-1</u>	In meter house QRP	2.0	1200	1224	1.1					
Ð	SC-2	N. of Meter House 10'	1.0	1210	1338	11.2					
Ð	<u>563</u>	W. of 56.2 25'	0,75	1213	1225	6.5					
√ <b>#</b>	SC-4	W. of SC-2 50'	015	1215	1226	1.7					
× ₽	SES	W. of SC: 2 75'	St. Arce	1216	1227	1.0					
	<u>SC-1</u>	In meter house (211P	0.5'	1230	1244	212					
	56-6	12 W. meter house 5 outside meterhouse	0175	1231	1245	537.4					
	X-7	32'we meter house 5' outsill metr house	0.51	1232	1246	0.8					
1	S-6	Ske above	1.0'	1305	1316	1174					
	SC-8	Sulmeter-bouse	1.0	1320	1334	842.6					
*	SC-8	see above	2.0	1322	1335	73.7					
	SC-8 SC-8 SC-8 SC-6 SW Sidewall NE Sidewall Base	seabore	3.0	1348	1358	52.3					
. <u>1</u>	Sw Sidewall	excavation	2.0	1405	1411	659.2					
大文	NE sidenan Base Siw wall	x x x x x x	2.0 2.0 2.0	1406 1407 1430	1411 1412 1440	24.9 35.9 4.3					

-----

	Release Information
Name	Alevalic CHIA
	Latitude/Longitude
Location	36° 51.6' -107° 51.3'
	Section, Township, Range
	SEC. 35, T3IN, RIDW
Reported To	Tom Long. 1/9/14
Area Supervisor	Ducyne Dixon
Diameter of Pipeline	3" rater Run
Source of Release	Florge on meter hun
Release Contents	Natal Gas/Condonsate
Release Volume	Unknown
Subcontractor	Ems
Disposal Facility	IEI
Yd ³ Contam. Soil	
PO/WO/AFE	

. . .

1

Notes:

# APPENDIX B

## SITE PHOTOGRAPHY

Site Photographs Enterprise Products Atlantic C #1A Meter Run Release



Photo 1: Photo taken while contractor was removing surface impacts north of meter skid, facing west.



Photo 2: View of the release point after soil was excavated beneath the meter run release.

Site Photographs Enterprise Products Atlantic C #1A Meter Run Release



Photo 3: Excavation contractor removing soil at depth from the southwest corner of the meter house.



Photo 4: View of the total depth of the Atlantic C #1A Meter Run excavation, facing southwest.

Site Photographs Enterprise Products Atlantic C #1A Meter Run Release



Photo 5: View of the Atlantic C #1A Meter Run excavation, facing east.

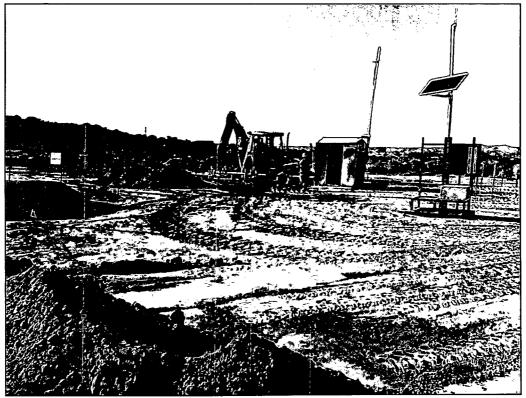


Photo 6: View of the Atlantic C #1A Meter Run backfill activities with imported soils.

APPENDIX C

SOIL DISPOSAL DOCUMENTATION

District [ 1625 N. French Dr., Hobbs, NM 88240	State	e of New Me	xico		Form C-138
District II 1301 W. Grand Avenue, Artesia, NM 88210	Energy Mine	rals and Natur	RATINUU		Revised 08/01/11
District III O Rio Brazos Road, Aztec, NM 87410	334ZH44			urface Waste Managen and Generator shall n	
strict IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		La Fe. Nivi 87		imentation available fo	
يوي والمحمد المحمد المحمد المحمد المحمد فالمحمد والمحمد المحمد المحمد المحمد المحمد المحمد	ST FOR APPR	OVAL TO	ACCEPT SO	LID WASTE	7 ,
1. Generator Name and Address:		· · · · · · · · · · · · · · · · · · ·			
Enterprise Field Services, LLC, 614	Reilly Ave, Farmingto	on NM 87401			
2. Originating Site: Atlantic C#1A Well Site					
3. Location of Material (Street Ad Unit C Sec 35 T 31 N R 10 W, S			3559		· · · · · · · · · · · · · · · · · · ·
4. Source and Description of Wast	e:				· · ·
Source: Orifice Flange Leak Description: Natural Gas Liquids (Co	ondensate and Water)			n F	
Estimated Volume <u>40</u> yd bbls b		tered by the ope	erator at the end of th	ne haul) <u>9</u>	yd ³ )bbls
5. GENE	RATOR CERTIFICAT	TION STATEN	IENT OF WASTE	STATUS	
I, Thomas Long , representat	ive or authorized agent f	for Enterprise Pr	oducts Operating do	hereby	
certify that according to the Resource regulatory determination, the above de				nmental Protection A	Agency's July 1988
☑ RCRA Exempt: Oil field was exempt waste. <u>Operator Use (</u>	tes generated from oil as Inly: Waste Acceptance				mixed with non-
<ul> <li>RCRA Non-Exempt: Oil field</li> <li>characteristics established in RCR</li> <li>subpart D, as amended. The follo</li> <li>the appropriate items)</li> </ul>	A regulations, 40 CFR 2	261.21-261.24, c	or listed hazardous w	aste as defined in 40	CFR, part 261,
MSDS Information     RCRA H	azardous Waste Analysi	is 🖾 Process I	Knowledge 🛛 Otł	ner (Provide descript	ion in Box 4)
<b>GENERATOR 19.15.36.</b>	5 WASTE TESTING	CERTIFICAT	ION STATEMENT	FOR LANDFARM	1S
Thomas Long					:
	entative for Enterprise Pr	roducts Operatir	g authorize to comp	lete	
Generator Signature he required testing/sign the Generator	Waste Testing Cartifica	tion			
	-				
t,, representative samples of the oil field whave been found to conform to the spectrum of the representative samples are attack 19.15.36 NMAC.	cific requirements applic	able to landfarn	is pursuant to Sectio	n 15 of 19.15.36 NN	nd that the samples MAC. The results
. Transporter: To Be Determined		· · · · ·		· · · · · · · · · · · · · · · · · · ·	
OCD Permitted Surface Waste Ma					
Name and Facility Permit #: JFJ L	andfarm/Industrial Ecos	systems, Inc. * I	Permit #: NM 01-00	10B	No Jim
Address of Facility: #49 CR 2150					RC-212 Ph.8
Method of Treatment and/or Dispo Evaporation	osal: Injection 🗌 Treating	g Plant 🛛 La	indfarm 🗌 Land	fill 🗌 Other	P7-0
Waste Acceptance Status:	APPROVED		DENIED (M.	st Be Maintained As	Permanent Record)
PRINT NAME: L. March	~				1 1/ - 1/ /
SIGNATURE:	et S	TITLE: TELEPHON	Land Farm Admini E NO.: <u>505-632-1</u>		
					1)15/11
					ין יין י

## APPENDIX D

# LABORATORY ANALYTICAL REPORTS

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 23, 2014

Steve Moskal Souder, Miller and Associates 401 W. Broadway Farmington, NM 87401 TEL: (505) 325-5667 FAX (505) 327-1496

RE: Atlantic C #1A

OrderNo.: 1401721

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 6 sample(s) on 1/17/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1401721

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/23/2014

CLIENT: Souder, Miller and Associates Project: Atlantic C #1A

1401721-001

Lab ID:

#### Client Sample ID: SC-1@2.0' Collection Date: 1/16/2014 12:00:00 PM Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	<b>RL</b> Qual Units		DF Date Analyzed		Batch	
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	st: BCN	
Diesel Range Organics (DRO)	12	10	mg/Kg	1	1/20/2014 3:25:17 PM	11283	
Surr: DNOP	93.3	66-131	%REC	1	1/20/2014 3:25:17 PM	11283	
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	st: NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/20/2014 11:59:09 PI	M 11284	
Surr: BFB	81.6	74.5-129	%REC	1	1/20/2014 11:59:09 PI	vi 11284	
EPA METHOD 8021B: VOLATILES					Analys	st: NSB	
Benzene	ND	0.049	mg/Kg	1	1/20/2014 11:59:09 PI	vi 11284	
Toluene	ND	0.049	mg/Kg	1	1/20/2014 11:59:09 PI	M 11284	
Ethylbenzene	ND	0.049	mg/Kg	1	1/20/2014 11:59:09 PI	vi 11284	
Xylenes, Total	ND	0.098	mg/Kg	1	1/20/2014 11:59:09 PI	M 11284	
Surr: 4-Bromofluorobenzene	92.4	80-120	%REC	1	1/20/2014 11:59:09 PM	M 11284	

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 9
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit         Page 1 of 9           Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

#### Analytical Report Lab Order 1401721

#### Date Reported: 1/23/2014

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates Project: Atlantic C #1A

1401721-002

Lab ID:

#### Client Sample ID: SC-4@0.5' Collection Date: 1/16/2014 12:15:00 PM Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/20/2014 7:32:09 PM	11283
Surr: DNOP	97.2	66-131	%REC	1	1/20/2014 7:32:09 PM	11283
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/21/2014 12:29:21 AM	/ 11284
Surr: BFB	81.5	74.5-129	%REC	1	1/21/2014 12:29:21 AM	/ 11284
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.050	mg/Kg	1	1/21/2014 12:29:21 AM	/ 11284
Toluene	ND	0.050	mg/Kg	1	1/21/2014 12:29:21 AM	/ 11284
Ethylbenzene	ND	0.050	mg/Kg	1	1/21/2014 12:29:21 AM	/ 11284
Xylenes, Total	ND	0.10	mg/Kg	1	1/21/2014 12:29:21 AM	/ 11284
Surr: 4-Bromofluorobenzene	91.1	80-120	%REC	1	1/21/2014 12:29:21 AM	/ 11284

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	Value above quantitation range	н	Holding times for preparation or analysis exceeded			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 9			
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					

Analytical Report Lab Order 1401721 Date Reported: 1/23/2014

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#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Atlantic C #1A

1401721-003

Project:

Lab ID:

Client Sample ID: SC-5@surfaceCollection Date: 1/16/2014 12:16:00 PMMatrix: SOILReceived Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE			Analys	t: BCN		
Diesel Range Organics (DRO)	10	10	mg/Kg	1	1/20/2014 8:02:33 PM	11283
Surr: DNOP	87.7	66-131	%REC	1	1/20/2014 8:02:33 PM	11283
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/21/2014 12:59:30 AM	1 11284
Surr: BFB	92.6	74.5-129	%REC	1	1/21/2014 12:59:30 AN	1 11284
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	1/21/2014 12:59:30 AN	1 11284
Toluene	ND	0.049	mg/Kg	1	1/21/2014 12:59:30 AN	1 11284
Ethylbenzene	ND	0.049	mg/Kg	1	1/21/2014 12:59:30 AN	1 11284
Xylenes, Total	ND	0.097	mg/Kg	1	1/21/2014 12:59:30 AN	11284
Surr: 4-Bromofluorobenzene	96.3	80-120	%REC	1	1/21/2014 12:59:30 AN	1 11284

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded		
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 9		
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit         Page 3 of 9           Sample pH greater than 2 for VOA and TOC only.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical Report Lab Order 1401721 Date Reported: 1/23/2014

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

# Project: Atlantic C #1A Lab ID: 1401721-004

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#### Client Sample ID: Base @2.0' Collection Date: 1/16/2014 2:07:00 PM Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE					Analys	t: BCN
Diesel Range Organics (DRO)	10	10	mg/Kg	1	1/20/2014 8:33:27 PM	11283
Surr: DNOP	97.9	66-131	%REC	1	1/20/2014 8:33:27 PM	11283
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: JMP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/21/2014 4:58:45 PM	11284
Surr: BFB	88.4	74.5-129	%REC	1	1/21/2014 4:58:45 PM	11284
EPA METHOD 8021B: VOLATILES					Analys	t: JMP
Benzene	ND	0.050	mg/Kg	1	1/21/2014 4:58:45 PM	11284
Toluene	ND	0.050	mg/Kg	1	1/21/2014 4:58:45 PM	11284
Ethylbenzene	ND	0.050	mg/Kg	1	1/21/2014 4:58:45 PM	11284
Xylenes, Total	ND	0.10	mg/Kg	1	1/21/2014 4:58:45 PM	11284
Surr: 4-Bromofluorobenzene	99.1	80-120	%REC	1	1/21/2014 4:58:45 PM	11284

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank				
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of 9				
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.				
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

#### Analytical Report Lab Order 1401721

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/23/2014

CLIENT: Souder, Miller and Associates

# Project: Atlantic C #1A Lab ID: 1401721-005

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#### Client Sample ID: NE Sidewall@2.0' Collection Date: 1/16/2014 2:06:00 PM Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL Qual Units		DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS	·			Analys	t: BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/20/2014 9:03:51 PM	11283
Surr: DNOP	103	66-131	%REC	1	1/20/2014 9:03:51 PM	11283
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: JMP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/21/2014 5:27:16 PM	11284
Surr: BFB	89.7	74.5-129	%REC	1	1/21/2014 5:27:16 PM	11284
EPA METHOD 8021B: VOLATILES					Analys	t: <b>JMP</b>
Benzene	ND	0.048	mg/Kg	1	1/21/2014 5:27:16 PM	11284
Toluene	ND	0.048	mg/Kg	1	1/21/2014 5:27:16 PM	11284
Ethylbenzene	ND	0.048	mg/Kg	1	1/21/2014 5:27:16 PM	11284
Xylenes, Total	ND	0.097	mg/Kg	1	1/21/2014 5:27:16 PM	11284
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	1/21/2014 5:27:16 PM	11284

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 5 of 9
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit         Page 5 of 9           Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

**Analytical Report** 

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order 1401721 Date Reported: 1/23/2014

**CLIENT:** Souder, Miller and Associates **Project:** Atlantic C #1A

1401721-006

Lab ID:

#### Client Sample ID: SW Sidewall@2.0' Collection Date: 1/16/2014 2:30:00 PM Received Date: 1/17/2014 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS			-	Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/20/2014 9:34:21 PM	11283
Surr: DNOP	103	66-131	%REC	1	1/20/2014 9:34:21 PM	11283
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	JMP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/21/2014 9:44:27 PM	11284
Surr: BFB	92.2	74.5-129	%REC	1	1/21/2014 9:44:27 PM	11284
EPA METHOD 8021B: VOLATILES					Analyst	JMP
Benzene	ND	0.049	mg/Kg	1	1/21/2014 9:44:27 PM	11284
Toluene	ND	0.049	mg/Kg	1	1/21/2014 9:44:27 PM	11284
Ethylbenzene	ND	0.049	mg/Kg	1	1/21/2014 9:44:27 PM	11284
Xylenes, Total	ND	0.098	mg/Kg	1	1/21/2014 9:44:27 PM	11284
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	1/21/2014 9:44:27 PM	11284

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 6 of 9
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 6 of 9 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

# QC SUMMARY REPORT

Hall Environmental Anal	vsis Laboratory. Inc.
	J

Client: Project:	Souder, N Atlantic (	Ailler and C #1A	Associa	ates							_
Sample ID	MB-11283	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Organics	
Client ID:	PBS	Batch	n ID: 11	283	F	RunNo: 1	6170				
Prep Date:	1/17/2014	Analysis D	ate: 1	/20/2014	S	SeqNo: 4	65944	Units: mg/l	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	ND	10	* Managara							
Surr: DNOP		10		10.00		99.9	66	131			
Sample ID	LCS-11283	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Organics	
Client ID:	LCSS	Batch	n ID: 11	283	F	RunNo: 1	6170				
Prep Date:	1/17/2014	Analysis D	ate: 1	/20/2014	S	SeqNo: 4	66029	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	46	10	50.00	0	92.9	60.8	145			
Surr: DNOP		5.0		5.000		99.6	66	131			
Sample ID	1401721-001AMS	SampT	ype: M	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Drganics	
Client ID:	SC-1@2.0'	Batch	n ID: 11	283	F	RunNo: 1	6170				
Prep Date:	1/17/2014	Analysis D	ate: 1	/20/2014	S	SeqNo: 4	66269	Units: mg/l	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Drganics (DRO)	48	9.9	49.65	11.58	73.2	47.4	148			
Surr: DNOP		5.2		4.965		106	66	131			
Sample ID	1401721-001AMS	) SampT	ype: M	SD	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Drganics	
Client ID:	SC-1@2.0'	Batch	ID: <b>11</b>	283	F	RunNo: 1	6170				
Prep Date:	1/17/2014	Analysis D	ate: 1/	/20/2014	5	SeqNo: 4	66407	Units: mg/l	(g		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	52	9.9	49.65	11.58	81.8	47.4	148	8.50	22.7	
Surr: DNOP		5.5		4.965		110	66	131	0	0	

Qualifiers:

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

Page 7 of 9

WO#: 1401721 23-Jan-14

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1401721

23-Jan-14

Client: Souder, Project: Atlantic	Miller and Associates									
Sample ID MB-11284	SampType: MBLK	TestCode: EPA Method	lethod 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 11284	RunNo: 16184								
Prep Date: 1/17/2014	Analysis Date: 1/20/2014	SeqNo: 466363	Units: mg/Kg							
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 820 1000	82.3 74.5	129							
Sample ID LCS-11284	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	9						
Client ID: LCSS	Batch ID: 11284	RunNo: 16184								
Prep Date: 1/17/2014	Analysis Date: 1/20/2014	SeqNo: 466364	Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Gasoline Range Organics (GRO)	24 5.0 25.00	0 95.7 74.5	126							
Surr: BFB	800 1000	80.5 74.5	129	<u></u>						
Sample ID MB-11304	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	0						
Client ID: PBS	Batch ID: 11304	RunNo: 16199								
Prep Date: 1/20/2014	Analysis Date: 1/21/2014	SeqNo: 467111	Units: %REC							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual						
Surr: BFB	890 1000	88.5 74.5	129							
Sample ID LCS-11304	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	9						
Client ID: LCSS	Batch ID: 11304	RunNo: 16199								
Prep Date: 1/20/2014	Analysis Date: 1/21/2014	SeqNo: 467112	Units: %REC							
Analyte	Result PQL SPK value		HighLimit %RPD	RPDLimit Qual						
Surr: BFB	920 1000	92.3 74.5	129							

Qualifiers:

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

Page 8 of 9

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

**Client:** 

#### RSD is greater than RSDlimit RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

Value above quantitation range

Value exceeds Maximum Contaminant Level.

Analyte detected below quantitation limits

Qualifiers:

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

Project: Atlantic	C #1A				· •							
Sample ID MB-11284	SampType: M	BLK	Tes	Code: EF								
Client ID: PBS	Batch ID: 11	284	Я	RunNo: 16184								
Prep Date: 1/17/2014	Analysis Date: 1	S	eqNo: 46	6390	Units: mg/M	(g						
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND 0.050			•								
Toluene	ND 0.050											
Ethylbenzene	ND 0.050											
Xylenes, Total	ND 0.10											
Surr: 4-Bromofluorobenzene	0.94	1.000		94.3	80	120						
Sample ID LCS-11284	nple ID LCS-11284 SampType: LCS TestCode: EPA Method 8						tiles					
Client ID: LCSS	Batch ID: 11	F	unNo: 16									
Prep Date: 1/17/2014	Analysis Date: 1	/20/2014	S	6391	Units: mg/K	(g						
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.97 0.050	1.000	0	97.4	80	120						
Toluene	0.97 0.050	1.000	0	96.6	80	120						
Ethylbenzene	0.98 0.050	1.000	0	97.7	80	120						
Xylenes, Total	3.0 0.10	3.000	0	99.3	80	120						
Surr: 4-Bromofluorobenzene	0.99	1.000		98.8	80	120						
Sample ID MB-11304	SampType: M	BLK	Tes	Code: EF	PA Method	8021B: Volat	tiles					
Client ID: PBS	Batch ID: 11	304	F	tunNo: 16	5199							
Prep Date: 1/20/2014	Analysis Date: 1	/21/2014	S	eqNo: 46	57136	Units: %RE	С					
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 4-Bromofluorobenzene	1.0	1.000		101	80	120						
Sample ID LCS-11304	SampType: LO	s	Tes	Code: EF	A Method	8021B: Volat	tiles					
Client ID: LCSS	Batch ID: 11	304	R	unNo: 16	6199							
Prep Date: 1/20/2014	Analysis Date: 1	/21/2014	s	eqNo: 46	57137	Units: %REC						
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 4-Bromofluorobenzene	1.0	1.000		105	80	120						

WO#:

Page 9 of 9

23-Jan-14

1401721

ENVIRONMENTAL ANALYSIS LABORATORY	wironmental Analysis Labora 4901 Hawkins Albuquerque, NM 87 05-345-3975 FAX: 505-345-4 site: www.hallenvironmental.	NE 105 <b>Sam</b> 107	ple Log-In Check List
Client Name: SMA-FARM Work Ord	er Number: 1401721		RcptNo: 1
Received by/date: MG 0117	12		
Logged By: Lindsay Mangin 1/17/2014 1	0:00:00 AM	And Harris	
Completed By: Lindsay Mangin 1/17/2014 1	0:51:31 AM	Juniy Harpo	
Reviewed By: TO/MG 61/17/12	1		
Chain of Custody			
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?	Courier		
<u>Log In</u>			
4. Was an attempt made to cool the samples?	Yes 🔽	No 🗌	
5. Were all samples received at a temperature of >0° C to t	6.0°C Yes 🗹	No 🗔	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌	
8. Are samples (except VOA and ONG) properly preserved?		No 🗌	_
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA .
10.VOA vials have zero headspace?	Yes	No 🗌	No VOA Viais 🗹
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No 🗆	bottles checked for pH: (<2 or >12 unless noted)
13 Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗖	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗌	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No	Checked by:
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	
Person Notified:	Date:		
By Whom:	Via: 🗌 eMail 🛄 P	hone 🗌 Fax	In Person
Regarding:			
Client Instructions:			
17. Additional remarks:			

18. Cooler Information

<b>)</b> .	Cooler Inform	lation					
	Cooler No	Temo °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
		1920110-202	S200multion A		A A A H H A A		
	1	1.0	Good	Yes	. 1		
	L						

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С	Chain-of-Custody Record			Turn-Around	Time:										T	~				
Client:	Spiral	< mil	1r t Associates	A Standard	🗆 Rush	,												1EN RA ⁻		
<u> </u>	<u>MARA 14</u>		II I NOODALES	Project Name														<b>KA</b>	10	<b>K</b> T
Mailing	Address					1 A	www.hallenvironmental.com													
		401 L	J. Broaduay	Atlantic C #1A Project #:			4901 Hawkins NE - Albuquerque, NM 87109													
<u> </u>	1	From	12ton, NM 8-9407					Tel. 505-345-3975 Fax 505-345-4107												
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□ NELAP □ Other						BŢEX HATBE I TABS (8021)	+ TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	Ŧ	÷	Î	RCRA 8 Metals		8081 Pesticides / 8082					Î	
								+ ш	801	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	s S		es /		8270 (Semi-VOA)			Air Bubbles (Y or N)
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1	necessary,	samples subr	nitted to Hall Environmental may be subc	ontracted to other ac	credited laboratorie	s. This serves as notice of this	possib	oility. A	ny sut	o-contra	cted d	ata wi	li be cle	arly r	notate	d on th	he ana	lytical r	sport.	More

State of New Mexico Min nd Natural R D. -10

Form C-141

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District II 811 S. First St.,	Arterio NM	88210		Energy MI	nerals a	ind Natura	Resources			Revised August 8, 2011		
<u>District III</u> 1000 Rio Brazo <u>District</u> IV	s Road, Azte		5	1220	South	vation Div St. Franc , NM 875	is Dr.	Sub	Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.			
			Rel	ease Notifi	cation	and Co	orrective A	ction				
						OPERA'				al Report 🛛 Final Repor		
							nomas Long					
Address: 6	14 Reilly A	Ave, Farming	gton, NM				No. 505-599-22	.86		·····		
Facility Na	me: EPNC	G COM D #5	A			Facility Typ	e: Well Site/Me	eter Tul	be			
Surface Ow	mer: BLM	1		Mineral (	Owner:B	BLM API No.						
				LOC	ATION	OF RE	FASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
D	36	30N	8W			Sar			San Juan			
	l			l								
		Lati	tude	36.77370		Longitude	e107.63242	<u> </u>				
				NAT	<b>URE</b>	OF REL	EASE					
				quids/ produced v	vater		Release: 45 MC	_		Recovered: Unknown		
Source of Re	elease: Equ	ipment Failure	e on a Mei	ter Tube			Iour of Occurrence <b>3:10 p.m.</b>	ce:	e: Date and Hour of Discovery: 1/2/2014 @ 3:10 p.m.			
Was Immedi	ate Notice (					If YES, To	Whom? Jonatha	n Kelly		Brandon Powell NMOCD;		
			Yes	No 🗌 Not R	equired	Sherrie La						
By Whom? Was a Water						Date and Hour: 1/3/2014 @ 3:46 p.m.						
was a water	course Rea		Yes 🗵	No		If YES, Volume Impacting the Watercourse.						
		pacted, Descr										
Describe Cat well site. Ar secured.	use of Probl 1 area of app	em and Reme proximately 1,	dial Actio 900 squai	n Taken.* A relea e feet was affecte	ase from ed. The v	meter tube d vell was isola	ue to equipment f ated and LOTO (1	ailure at ock out	the well si tag out) wa	te called the EPNG Com D#5A s applied. The well site was RCVD MAR 7'14 OIL CONS. DIV. DIST. 3		
A release fro affected. Th remediation a "final" c-141 I hereby cert regulations a public health should their or the enviro	m meter tul e well was activities ar ify that the ll operators or the envi operations h nment. In a	isolated and L ad collected cle information gi are required t ronment. The nave failed to a	pment fail OTO (lock osure sam iven above o report a acceptan adequately OCD accep	ure at the well sit k out tag out) was ples on 1-10-14. e is true and comp nd/or file certain ce of a C-141 rep y investigate and	applied. A third p olete to the release no ort by the remediate	The well sit arty environs be best of my otifications a NMOCD me contaminati	knowledge and u nd perform correc arked as "Final R	hird part correctiv inderstan ctive act ceport" c reat to gr	y environm ve action re nd that purs ions for rel- loes not rel- round water	a 1,900 square feet was nental contractor oversaw port is included with this final suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other		
Tederal, state	, 01 10001 14		. <u></u>		OIL CONSERVATION DIVISION							
Signature: In Turk									Λ			
		_ my				Approved by	Environmental S	specialis	t: / m	V.		
Printed Nam	e: Jon Field	ls	· · · · · ·				1 1		~/	1 Man		
Title: Direct	or, Environ	mental			Approval Da	te: 4/24/1	ч	Expiration	Date:			
E-mail Address: : jefields@eprod.com						Conditions of Approval:			Attached			
Date:	3-11-	20/4 ets If Necess	Phone	: (713)381-6684								
Attach Add		015 II INCUCSS	sai y	Incident	#	NCS 14	411450	<u>م</u> ۲ ۲	8	F		
					•	• •			$\sim$			



February 12, 2014

Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche

Durango, Colorado 970-403-3084

Farmington, NM 87401 505-564-2281

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

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

#### RE: Release Assessment Report EPNG D Com #5A Meter Run Release NW¼ NW¼, Section 36, T30N, R8W San Juan County, New Mexico

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

Dear Mr. Long:

On January 10, 2014, Animas Environmental Services, LLC (AES) completed an assessment associated with a non-reportable release of less than 50 Mcf natural gas and less than 5 barrels (bbls) of pipeline liquids from the Enterprise Field Services, LLC (Enterprise) EPNG D Com #5A meter run (Meter ID #89481). The release was discovered on January 2, 2014, and resulted from suspected material failure of a pipe fitting that separated at the threads.

#### 1.0 Site Information

#### 1.1 Location

Location - NW¼ NW¼, Section 36, T30N, R8W, San Juan County, New Mexico Well Head Latitude/Longitude - N36.77377 and W107.63230, respectively Release Location Latitude/Longitude - N36.77386 and W107.63203, respectively Surface Owner – State of New Mexico Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

#### 1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The release was given a ranking score of 20 based on the following factors:

Thomas Long EPNG D Com #5A Meter Run Release Assessment Report February 12, 2014 Page 2 of 5

- Depth to Groundwater: Depth to groundwater is approximately 90 feet below ground surface (bgs) based on a cathodic well report dated May 1991. (10 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The release is located approximately 500 feet to the northwest of the Navajo Indian Irrigation Project Main Canal and approximately 650 feet to the northeast of the wash in Gobernador Canyon. (10 points)

The ranking score of 20 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

#### 1.3 Assessment and Mitigation

On January 10, 2014, Enterprise contractors completed an excavation of petroleum hydrocarbon impacted soils around the meter run. The release was reportedly caused by mechanical failure of a pipe fitting that failed along the threads. AES provided field screening for excavation guidance and prior to backfilling the excavation, collected a total of five confirmation soil samples for field screening and laboratory analysis from the walls and base of the final excavation. Historical contamination was observed in the base of the middle portion of the final excavation. The final excavation measured approximately 78 feet by 23 feet by 0.5 to 2.5 feet deep and terminated on sandstone. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Envirotech Landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The Envirotech Bills of Lading and a photograph log are included in the Appendix.

#### 2.0 Soil Sampling

A total of five composite soil samples (SC-1 through SC-4 and Historical Composite) were collected from the walls and the base of the final excavation during the assessment. All soil samples were field screened for volatile organic compounds (VOCs) and were also submitted for laboratory analysis.

Thomas Long EPNG D Com #5A Meter Run Release Assessment Report February 12, 2014 Page 3 of 5

#### 2.1 Field Screening

#### 2.1.1 Volatile Organic Compounds

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

#### 2.2 Laboratory Analyses

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

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

#### 2.3 Field Screening and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 0.5 ppm in SC-2 to 120 ppm in the Historical Composite sample.

EPNG D Com #5A Meter Run Release Assessment, January 2014								
Sample ID	Date Sampled	VOCs via OVM (ppm)						
	NMOCD	100						
SC-1	1/10/14	0.5 to 1.5	12.5					
SC-2	1/10/14	0.5 to 1.5	0.5					
SC-3	1/10/14	1.5 to 2.5	3.2					
SC-4	1/10/14	0.5 to 1.5	76.2					
Historical Composite	1/10/14	2.5	120					

	Table 1.	Soil Field	Screening	<b>VOC Results</b>	
-					

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

Laboratory analytical results showed that benzene concentrations were below laboratory detection limits for all samples. Total BTEX concentrations ranged from below laboratory detection limits SC-1, SC-2, and SC-4 up to 0.37 mg/kg in the Historical Composite sample. TPH concentrations ranged from below the laboratory detection limit in SC-2 and SC-4 up to 40 mg/kg in the Historical Composite sample. Laboratory analytical results are included in Table 1 and on Figure 3. Laboratory analytical reports are attached.

EPNG D Com #5A Meter Run Release Assessment, January 2014										
		Sample		Total	TPH –	TPH –				
	Date	Depth	Benzene	BTEX	GRO	DRO				
Sample ID	Sampled	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
NMOCD A	ction Level*		10	50	1	00				
SC-1	1/10/14	0.5 to 1.5	<0.047	<0.24	16	11				
SC-2	1/10/14	0.5 to 1.5	<0.048	<0.24	<4.8	<10				
SC-3	1/10/14	1.5 to 2.5	<0.050	0.30	6.2	<10				
SC-4	1/10/14	0.5 to 1.5	<0.047	<0.24	<4.7	<10				
Historical Composite	1/10/14	2.5	<0.049	0.37	24	16				

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH EPNG D Com #5A Meter Run Release Assessment, January 2014

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

#### 3.0 Conclusions and Recommendations

Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. Field screening and laboratory results were below NMOCD action levels for VOCs, benzene, total BTEX, and TPH (GRO/DRO) in all the samples except for the Historical Composite. Field screening of the Historical Composite showed VOCs above 100 ppm; however, laboratory analysis showed concentrations below NMOCD action levels for benzene, total BTEX, and TPH (GRO/DRO). Based on field screening and laboratory results of the final excavation extents, benzene, total BTEX, and TPH concentrations are below the applicable NMOCD action levels. No further work is recommended for the EPNG D Com #5A Meter Run Release.

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

Sincerely,

Fleather M. Woods

Heather Woods, P.G. Project Manager

Thomas Long EPNG D Com #5A Meter Run Release Assessment Report February 12, 2014 Page 5 of 5

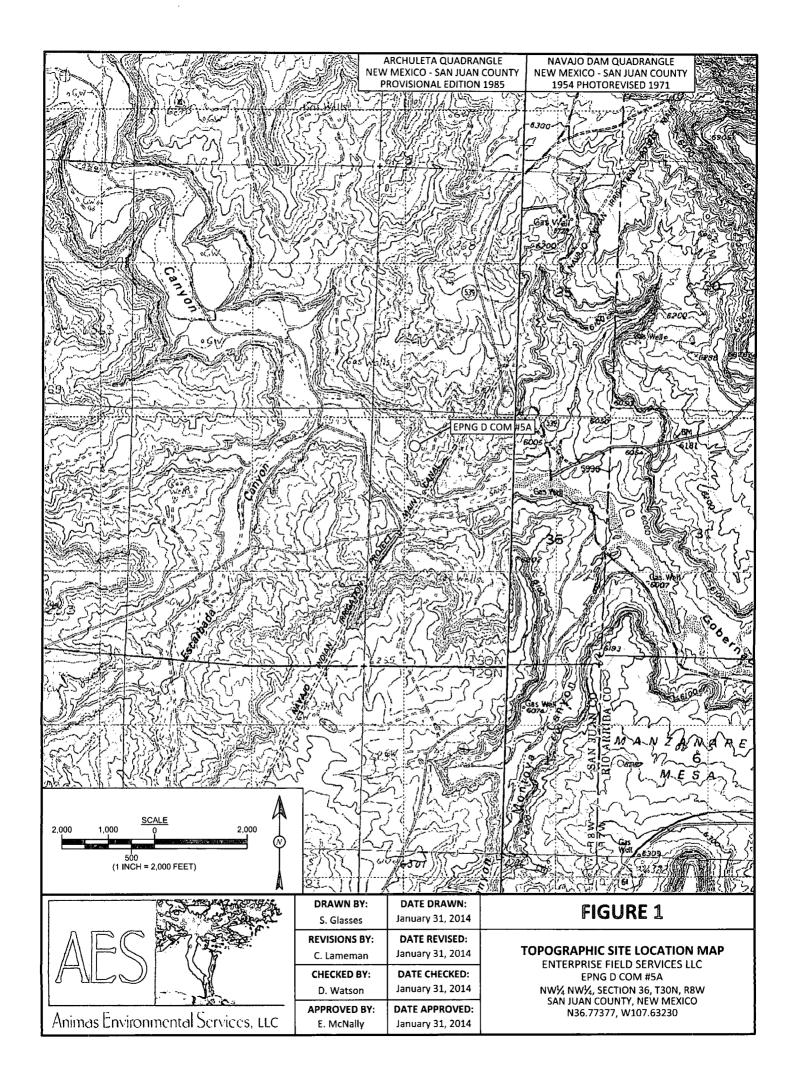
Elizabeth V Merdly

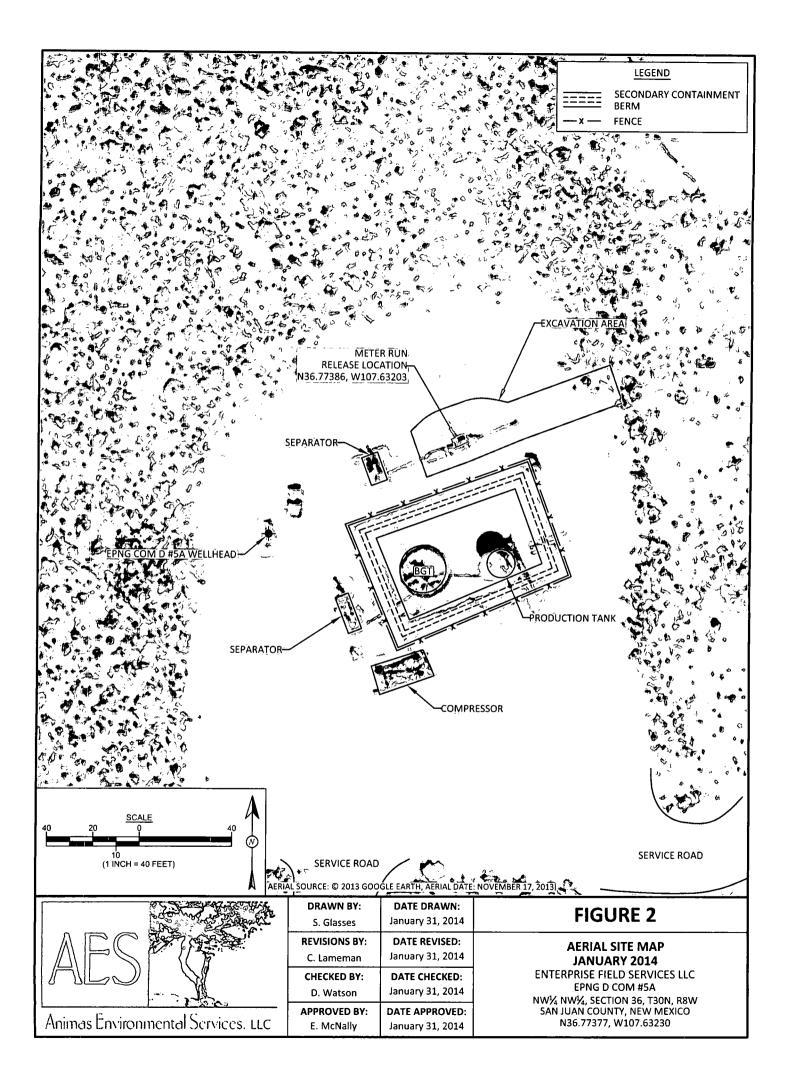
Elizabeth McNally, P.E.

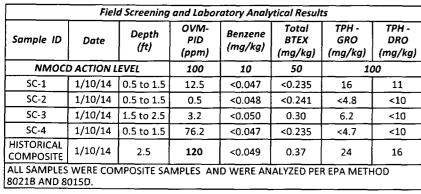
Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map Figure 3. Final Excavation Sample Locations and Results, January 2014 Bills of Lading (Envirotech 45574, 45576, 45583, and 45584) Photograph Log Laboratory Analytical Reports (Hall 1401443 and 1401444)

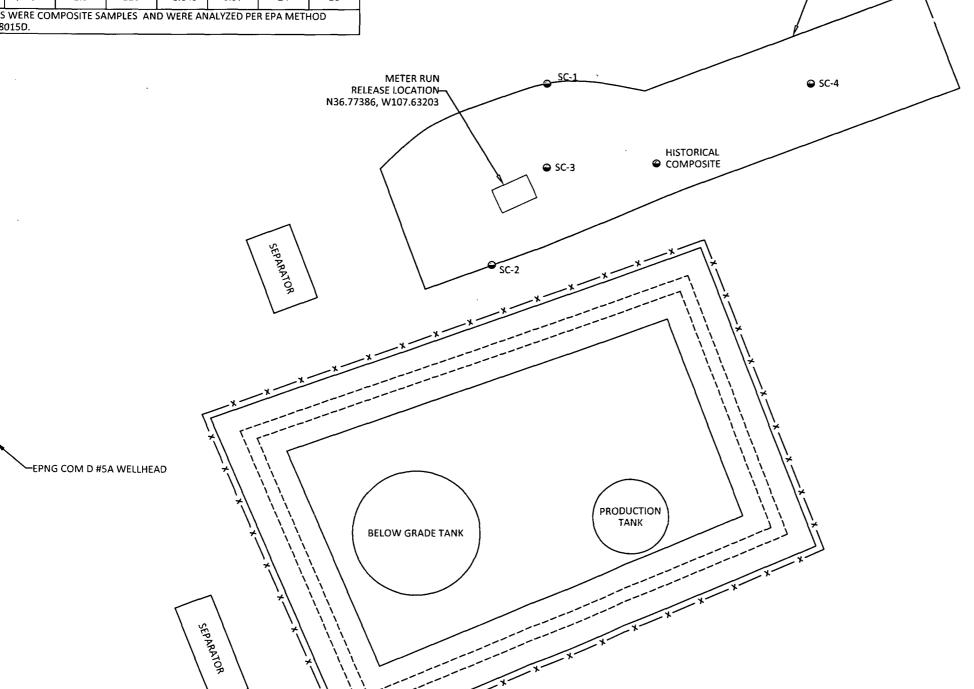
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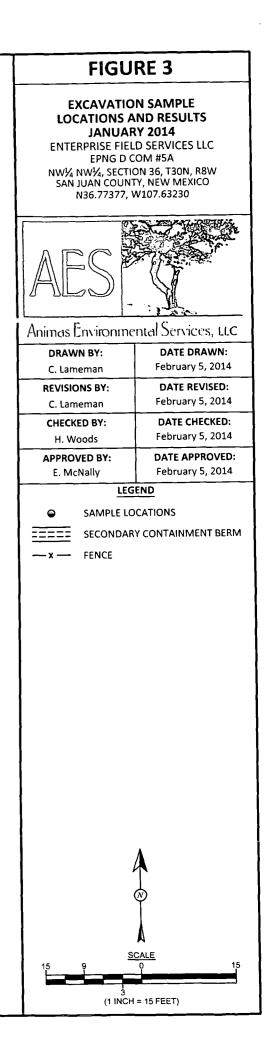






1





EXCAVATION AREA

78.5 FT x 23 FT x 0.5 to 2.5 FT DEEP



# Bill of Lading

MANIFEST # 45574 DATE <u>1-10-14</u> JOB # <u>97057-0616</u>

san use recorduction 578,125

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

LOAD		TON OF SHIPMEN	TRANSPORTING COMPANY								
NO.	POINT OF ORIGI		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
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2	11 N	I	11	Fill Soil		10	-	11 11	515	1120	marcult
3	<i>\$</i>	4	EPNG D-Com	4 4		10	-	4. 4	515	13:55	Anal sallet
4	4	4	5-A	s 4		10	~	u u	515	16:10	Anal call
						40	-				
			······································								
RESULTS: LANDFARM DEL NOTES: Pipeline name is Lateral A-7							s Lateral A-7				
$\geq$	CHLORIDE TEST	>	EMPLOYEE:	Gan R	In	Sen					
PAINT FILTER TEST Certification of above receival & placement											
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.											
TRANSPORTER CO. West States NAME FRANK GOLLAFTA SIGNATURE FRANK COLLAFTA SIGNATURE FRANK COLLAFTA SIGNATURE FRANK COLLAFTA											
COMPANY CONTACT DW CAYNE DIXOR PHONE DATE 1-10-14											
Signatures required prior to distribution of the legal document.											



# Bill of Lading

MANIFEST # 45576 DATE 1-10:14 JOB # 970,57-0616

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

LOAD	COM	PLETE DESCRIPT			TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	114-7	LFII	CONT	0-11	10		west states	515	1120	Franksall	
2	D-com 5A			0-11	10		4 U	515	13:55	Frankcultt	
Z	ic u	el U	er U	0-11	10	-	Ч. Ц	515	16:10	Fragalle	
					30						
RESULT	L S:	LANDFARM	A		1 - 4	52	NOTES: Pifeline name is lateral A-7				
L 299	CHLORIDE TEST	EMPLOYEE:	Cary,	Kal	M2	An	Tipe		Idente .	13 TAFERAL T	
	PAINT FILTER TEST Certification of above receival & placement										
By signing mentioned	g as the driver/transporter, I defined a structure of the driver of the	certify the material and that no addition	hauled from the a nal material has be	bove locati en added o	on has not or mixed inte	been ado o the loa	ded to or tampered to d.	with. I co	ertify the \	material is from the above	
TRANSPO	RTER CO. WPSt Stu	tes	NAME F	AANK	C064-	NTTO		The	aR	- allthe	
COMPANY	CONTACT		PHONE .				DATE /	- ID	-14		
Signature	PRANSPORTER CO. WCSTSTateS										



# Bill of Lading

MANIFEST # 45583

DATE 1-11-14 JOB # 97057- Olelle

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

LOAD	COMF	ION OF SHIPME	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	EACHPRISC LATA-7 D-COM-5	D I F #	CONT SOLL	0-11	10		WEST 577733	215	3125	Ferankcall
2	LATA-7D-Com5A	LF#	ENI'T Sout	0-11	10		1265T5TA75	515	10:5	Fraksall
3	LATA-7D-Com 5A	LFH	CONT Six L	0-11	10		WEST STATES	515	12:40	Frad callt
					30					, - s sould
		<u> </u>								
RESULT		LANDFARM	1		EL		NOTES:	<u> </u>		s Lateral A-7
< 299	CHLORIDE TEST	EMPLOYEE:	Better .	entis	4		p.peti		ime is	5 Lateral H-1
	PAINT FILTER TEST 2 Certification of above receival & placement									
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
TRANSPC	TRANSPORTER CO. WEST STATES NAME FRANK COLLATE SIGNATURE Transformed and the legal document.									
COMPAN	CONTACT	·	PHONE	• · ·····	+		DATE	1-11	1-14	
Signature	Signatures required prior to distribution of the legal document.									



# Bill of Lading

MANIFEST # ____45584

DATE 1-11-14 JOB # 97057-0616

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

LOAD		ION OF SHIPME	TRANSPORTING COMPANY								
NO.	POINT OF ORIG		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
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ļ		<u></u>				ID					
		<u> </u>		1-17							
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				······							
RESULT	<u> </u>							NOTEO			
	CHLORIDE TEST		LANDFARM EMPLOYEE:	Bitty -		EL		NOTES: Pipelin	re no	ing 1	5 Lateral A-7
	PAINT FILTER TEST		Certific	ation of above re							
By signing mentioned	g as the driver/transpo d Generator/Point of O	rter, 1 c rigin a	certify the material land that no additionation	hauled from the a al material has be	bove locati en added c	on has not or mixed inte	been ado o the loa	ded to or tampered v	with. ) ce	ertify the	material is from the above
TRANSPO	RTER CO. 10557	SINT	<i>ES</i>	NAME F	RANK	COLL	ATT	SIGNATURE	An	ant	collita
COMPANY	CONTACT LUST- y	NE	D.X on	PHONE				DATE _/	11-14	/	<u></u>
Signature	s required prior to disti	ributior	of the legal docun	nent.							•

Photo #1	
Client:	
Enterprise Field	
Services, LLC	
Project: EPNG D Com #5A	
Taken by:	
Heather Woods	
Date: January 10,	
2014	
AES Project No.	Description:
140108	View of excavation area looking east.

**i** 

140100	view of excavation area looking east.
Photo #2	
Client:	
nterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: ather Woods	
Date: January 10, 2014	
S Project No.	Description:
140108	View of excavation area looking southeast.

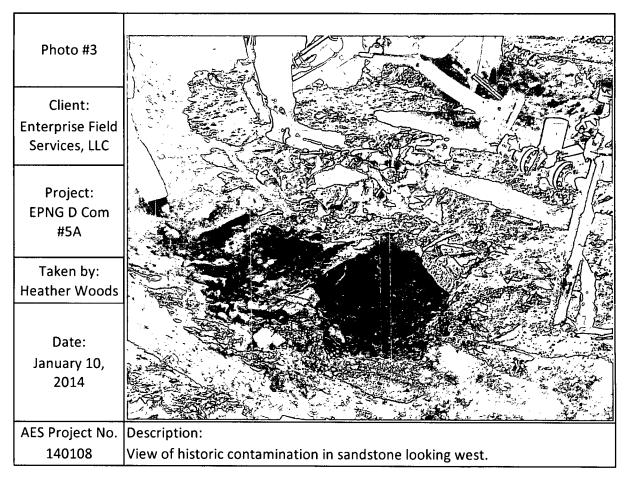


Photo #4	and the second
Client:	
Enterprise Field	
Services, LLC	
Project:	
EPNG D Com	
#5A	
#54	
Takan huu	
Taken by:	
Heather Woods	
Date:	
January 10,	
2014	
AES Project No.	Description:
140108	View of shallow excavation of misted area looking east.

Photo #5	
Client: Enterprise Field Services, LLC	
Project: EPNG D Com #5A	
Taken by: Heather Woods	
Date: January 10, 2014	
AES Project No.	Description:
140108	View of historic contamination in sandstone looking south.

~



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

January 21, 2014

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX

RE: Enterprise ENPG Com D #5A

OrderNo.: 1401443

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 4 sample(s) on 1/11/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

andia

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1401443	

____

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/21/2014

CLIENT: Animas Environmental Service	S		<b>Client Sampl</b>	e ID: SC	2-1					
<b>Project:</b> Enterprise ENPG Com D #5A		Collection Date: 1/10/2014 2:36:00 PM								
Lab ID: 1401443-001	Matrix:	SOIL	Received I	Date: 1/1	11/2014 12:20:00 PM					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch				
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN				
Diesel Range Organics (DRO)	11	10	mg/Kg	1	1/14/2014 1:04:59 PM	11196				
Surr: DNOP	98.9	66-131	%REC	1	1/14/2014 1:04:59 PM	11196				
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB				
Gasoline Range Organics (GRO)	16	4.7	mg/Kg	1	1/15/2014 11:42:33 AM	11192				
Surr: BFB	124	74.5-129	%REC	1	1/15/2014 11:42:33 AM	11192				
EPA METHOD 8021B: VOLATILES					Analyst	NSB				
Benzene	ND	0.047	mg/Kg	1	1/15/2014 11:42:33 AM	11192				
Toluene	ND	0.047	mg/Kg	1	1/15/2014 11:42:33 AM	11192				
Ethylbenzene	ND	0.047	mg/Kg	1	1/15/2014 11:42:33 AM	11192				
Xylenes, Total	ND	0.094	mg/Kg	1	1/15/2014 11:42:33 AM	11192				
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	1/15/2014 11:42:33 AM	11192				

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded			
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 7			
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit			
	S	Spike Recovery outside accepted recovery limits					

**Analytical Report** Lab Order 1401443 Date Reported: 1/21/2014

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services Client Sample ID: SC-2 Project: Enterprise ENPG Com D #5A Lab ID: 1401443-002 Matrix: SOIL

## Collection Date: 1/10/2014 1:05:00 PM Received Date: 1/11/2014 12:20:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/14/2014 2:37:25 PM	11196
Surr: DNOP	107	66-131	%REC	1	1/14/2014 2:37:25 PM	11196
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	I: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/15/2014 1:08:17 PM	11192
Surr: BFB	91.4	74.5-129	%REC	1	1/15/2014 1:08:17 PM	11192
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.048	mg/Kg	1	1/15/2014 1:08:17 PM	11192
Toluene	ND	0.048	mg/Kg	1	1/15/2014 1:08:17 PM	11192
Ethylbenzene	ND	0.048	mg/Kg	1	1/15/2014 1:08:17 PM	11192
Xylenes, Total	ND	0.097	mg/Kg	1	1/15/2014 1:08:17 PM	11192
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	1/15/2014 1:08:17 PM	11192

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank				
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 2 of 7				
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.				
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

Analytical Report	
Lab Order 1401443	

#### Date Reported: 1/21/2014

### Hall Environmental Analysis Laboratory, Inc.

CLIENT:Animas Environmental ServiProject:Enterprise ENPG Com D #5.Lab ID:1401443-003		SOIL	Col		Date: 1/1	2-3 10/2014 3:30:00 PM 1/2014 12:20:00 PM	
Analyses	Result	RL	Qual Un	its	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mç	j/Kg	1	1/14/2014 3:08:25 PM	11196
Surr: DNOP	112	66-131	%	REC	1	1/14/2014 3:08:25 PM	11196
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	: NSB
Gasoline Range Organics (GRO)	6.2	5.0	mç	j/Kg	1	1/15/2014 1:36:55 PM	11192
Surr: BFB	94.2	74.5-129	%	REC	1	1/15/2014 1:36:55 PM	11192
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.050	m m	j/Kg	1	1/15/2014 1:36:55 PM	11192
Toluene	0.087	0.050	mç	g/Kg	1	1/15/2014 1:36:55 PM	11192
Ethylbenzene	ND	0.050	mı mı	g/Kg	1	1/15/2014 1:36:55 PM	11192
Xylenes, Total	0.21	0.099	mı mı	j/Kg	1	1/15/2014 1:36:55 PM	11192
Surr: 4-Bromofluorobenzene	104	80-120	%	REC	1	1/15/2014 1:36:55 PM	11192

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

**Qualifiers:** * Value exceeds Maximum Contaminant Level.

- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit

L

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Not Detected at the Reporting Limit Page 3 of 7 Sample pH greater than 2 for VOA and TOC only. Р
- RL Reporting Detection Limit

### Analytical Report Lab Order 1401443 Date Reported: 1/21/2014

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-4

 Project: Enterprise ENPG Com D #5A
 Collection Date: 1/10/2014 2:30:00 PM

 Lab ID: 1401443-004
 Matrix: SOIL
 Received Date: 1/11/2014 12:20:00 PM

 Analyses
 Result
 BL Qual Units
 DE Date Analyzed
 Batch

Analyses	iyses Result RL Qual Units		DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analysi	t: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/14/2014 3:39:06 PM	11196
Surr: DNOP	96.3	66-131	%REC	1	1/14/2014 3:39:06 PM	11196
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/15/2014 2:05:31 PM	11192
Surr: BFB	95.5	74.5-129	%REC	1	1/15/2014 2:05:31 PM	11192
EPA METHOD 8021B: VOLATILES					Analyst	t: NSB
Benzene	ND	0.047	mg/Kg	1	1/15/2014 2:05:31 PM	11192
Toluene	ND	0.047	mg/Kg	1	1/15/2014 2:05:31 PM	11192
Ethylbenzene	ND	0.047	mg/Kg	1	1/15/2014 2:05:31 PM	11192
Xylenes, Total	ND	0.094	mg/Kg	1	1/15/2014 2:05:31 PM	11192
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	1/15/2014 2:05:31 PM	11192

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 4 of
	0	RSD is greater than RSDlimit	Р	Not Detected at the Reporting Limit Page 4 of 7 Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

WO#: 1401443

21-Jan-14

	s Environmen rise ENPG Co									
Sample ID MB-11196	MB-11196 SampType: MBLK TestCode: EPA Method								Drganics	
Client ID: PBS	Batch	ID: 11	196	F	lunNo: 1	6046				
Prep Date: 1/13/2014	Analysis Da	ate: <b>1</b> /	14/2014	S	eqNo: 4	62288	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		104	66	131			
Sample ID LCS-11196	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015D: Diese	el Range (	Organics	
Client ID: LCSS	Batch	ID: 11	196	F	lunNo: 1	6046				
Prep Date: 1/13/2014	Analysis Da	ate: <b>1</b> /	14/2014	. S	SeqNo: 4	62296	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	60.8	145			
Surr: DNOP	5.1		5.000		102	66	131			

### Qualifiers:

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

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Animas Environmental Services

**Client:** 

Project: Enterpr	ise ENPG C	Com D #	έ5Α							
Sample ID MB-11192	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	je	
Client ID: PBS	Batch	n ID: <b>11</b>	192	F	RunNo: 1	6104				
Prep Date: 1/13/2014	Analysis D	ate: <b>1</b> /	15/2014	S	SeqNo: 4	63814	Units: <b>mg/H</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.8	74.5	129			
Sample ID LCS-11192	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	je	
Client ID: LCSS	Batch	1D: 11	192	F	RunNo: 1	6104				
Prep Date: 1/13/2014	Analysis D	ate: <b>1</b> /	15/2014	5	SeqNo: 4	63815	Units: <b>mg/H</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	74.5	126			
Surr: BFB	960		1000		96.5	74.5	129			

#### Qualifiers:

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

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1401443 21-Jan-14

WO#:

## **QC SUMMARY REPORT**

	as Environme prise ENPG (									
Sample ID MB-11192	Samp	Туре: МЕ	3LK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 11	192	F	RunNo: 1	6104				
Prep Date: 1/13/2014	Analysis (	Date: 1/	15/2014	S	SeqNo: 4	63837	Units: mg/k	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			
Sample ID LCS-11192	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 11	192	F	RunNo: 1	6104				
Prep Date: 1/13/2014	Analysis [	Date: 1/	15/2014	S	SeqNo: 4	63838	Units: <b>mg/H</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	107	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	D	107	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits s
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2 for VOA and TOC only. Р
- **Reporting Detection Limit** RL

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WO#: 1401443

21-Jan-14

•	HALL
	ENVIRONMENTAL
	ANALYSIS
	LABORATORY

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

## Sample Log-In Check List

Received by/date:       At [1] [2]         Logged By:       Lindsay Mangin       1/11/2014 12:20:00 PM         Completed By:       Indsay Mangin       1/13/2014 8:29:40 AM         Chain of Custody       O1 / 13 / 2014         Chain of Custody       O1 / 13 / 2014         Chain of Custody       No       Not Present I         1. Custody seals intact on sample bottles?       Yes       No       Not Present I         2. Is Chain of Custody complete?       Yes       No       Not Present I         3. How was the sample delivered?       Courier       Courier         Log In       4. Was an attempt made to cool the samples?       Yes       No       NA         5. Were all samples received at a temperature of >0° C to 6 0°C       Yes       No       NA         6. Sample(s) in proper container(s)?       Yes       No       NA         7. Sufficient sample volume for indicated test(s)?       Yes       No       NA         9. Was preservative added to bottles?       Yes       No       NA       Interserved         10. VOA viais have zero heedspace?       Yes       No       If a preserved       buttes checked         11. Were any sample containers received broken?       Yes       No       If a preserved       buttes checked	Client Name: Animas Environmental Work Order Numb	er: 1401443	<u> </u>	RcptNo:	1
Completed By:       Lindsay Mangin       1/13/2014 8:29:40 AM         Reviewed By:       OI / 13 / 2O14         Chain of Custody         1. Custody seals intact on sample bottles?       Yes         2. Is Chain of Custody complete?       Yes         3. How was the sample delivered?       Courier         Log In       4. Was an attempt made to cool the samples?       Yes         4. Was an attempt made to cool the samples?       Yes       No         5. Were all samples received at a temperature of >0° C to 6 0°C       Yes       No         6. Sample(s) in proper container(s)?       Yes       No       NA         7. Sufficient sample volume for indicated test(s)?       Yes       No       NA         9. Was preservative added to bottles?       Yes       No       NA         10. VOA vials have zero headspace?       Yes       No       No       Ho         11. Were any sample containers received broken?       Yes       No       Mo       diusted?         12. Does paperwork match bottle labels?       Yes       No       Adjusted?       for preserved         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?       Checked by:       Checked by:       Checked by:       Checked by:       Checked by:	Received by/date:		,	<u> </u>	
Reviewed By:       OI / 13 / 2OI 4         Chain of Custody         1, Custody seals intext on sample bottles?       Yes         2. Is Chain of Custody complete?       Yes Ø         3. How was the sample delivered?       Courier         Log In	Logged By: Lindsay Mangin 1/11/2014 12:20:00 I	PM	Andyther		
Chain of Custody         1. Custody seals intact on sample bottles?       Yes       No       Not Present         2. Is Chain of Custody complete?       Yes       No       Not Present         3. How was the sample delivered?       Courier         Log In	Completed By: Lindsay Mangin 1/13/2014 8:29:40 A	М	June Ly Allopp		
1. Custody seals intact on sample bottles?       Yes       No       Not Present       Image: Contract of Co	Reviewed By: TO OI/13/20	14			
2. Is Chain of Custody complete?       Yes       Yes       No       Not Present         3. How was the sample delivered?       Courier         Log In       .	Chain of Custody				
3. How was the sample delivered?       Courier         Log In       4. Was an attempt made to cool the samples?       Yes       No       NA         5. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         6. Sample(s) in proper container(s)?       Yes       No       NA         7. Sufficient sample volume for indicated test(s)?       Yes       No       NA         8. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Was preservative added to bottles?       Yes       No       NA         10.VOA vials have zero headspace?       Yes       No       No VA Vials         11. Were any sample containers received broken?       Yes       No       Ma         12. Does paperwork match bottle labels?       Yes       No       Image: Control of Custody         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         14. Is it clear what analyses were requested?       Yes       No       Checked by:         15. Were all holding times able to be met?       Yes       No       Checked by:         15. Were all holding times able to be met?       Yes       No       Checked by:         13. Are client notified of all discrepancies with this order? <td< td=""><td>1. Custody seals intact on sample bottles?</td><td>Yes 🗌</td><td>No 🗌</td><td>Not Present 🗹</td><td></td></td<>	1. Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present 🗹	
Log In         4. Was an attempt made to cool the samples?       Yes       No       NA         5. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         6. Sample(s) in proper container(s)?       Yes       No       NA         7. Sufficient sample volume for indicated test(s)?       Yes       No       NA         8. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Was preservative added to bottles?       Yes       No       NA         10.VOA vials have zero headspace?       Yes       No       No       Na         11. Were any sample containers received broken?       Yes       No       No VOA Vials       # of preserved bottles checked for pH:         12. Does paperwork match bottle labels?       Yes       No       If of preserved?       bottles checked         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?       Image: Checked by:       Image: Checked by:       Checked by:       Image: Checked by:	2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	
4. Was an attempt made to cool the samples?       Yes       ✓       No       NA         5. Were all samples received at a temperature of >0° C to 6.0°C       Yes       ✓       No       NA         6. Sample(s) in proper container(s)?       Yes       ✓       No       NA         7. Sufficient sample volume for indicated test(s)?       Yes       ✓       No       NA         8. Are samples (except VOA and ONG) properly preserved?       Yes       ✓       No       NA         9. Was preservative added to bottles?       Yes       ✓       No       NA         10. VOA viats have zero headspace?       Yes       No       ✓       No VOA Vials         11. Were any sample containers received broken?       Yes       No       ✓       Mo         12. Does paperwork match bottle labels?       Yes       No       ✓       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       ✓       No       ✓       Adjusted?         13. Are matrices correcity identified on Chain of Custody?       Yes       ✓       No       Checked by:       Checked by:         15. Were all holding times able to be met?       Yes       ✓       No       Na       ✓         16. Was client notified of all discrepancies with this order? </td <td>3. How was the sample delivered?</td> <td><u>Courier</u></td> <td></td> <td></td> <td></td>	3. How was the sample delivered?	<u>Courier</u>			
5. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         6. Sample(s) in proper container(s)?       Yes       No       No         7. Sufficient sample volume for indicated test(s)?       Yes       No          8. Are samples (except VOA and ONG) properly preserved?       Yes       No          9. Was preservative added to bottles?       Yes       No        NA         10. VOA viats have zero headspace?       Yes       No        No VOA Vials       ✓         11. Were any sample containers received broken?       Yes       No        ✓       ✓       Ø         12. Does paperwork match bottle labels?       Yes       No        ✓       ✓       Ø         13. Are matrices correctly identified on Chain of Custody?       Yes       No        Adjusted?	Log In				
6. Sample(s) in proper container(s)?       Yes       No         7. Sufficient sample volume for indicated test(s)?       Yes       No         8. Are samples (except VOA and ONG) properly preserved?       Yes       No         9. Was preservative added to bottles?       Yes       No         10. VOA vials have zero headspace?       Yes       No         11. Were any sample containers received broken?       Yes       No         12. Does paperwork match bottle labels?       Yes       No         13. Are matrices correctly identified on Chain of Custody?       Yes       No         14. Is it clear what analyses were requested?       Yes       No         15. Were all holding times able to be met?       Yes       No         Yes       No       Checked by:       Checked by:         (If no, notify customer for authorization.)       Secial Handling (If applicable)       Date:         16. Was client notified of all discrepancies with this order?       Yes       No       NA	4. Was an attempt made to cool the samples?	Yes 🗹	No 🗍	NA 🗌	
7. Sufficient sample volume for indicated test(s)? Yes No   8. Are samples (except VOA and ONG) properly preserved? Yes No   9. Was preservative added to bottles? Yes No   10. VOA vials have zero headspace? Yes No   11. Were any sample containers received broken? Yes No   12. Does paperwork match bottle labels? Yes No   (Note discrepancies on chain of custody) Yes No   13. Are matrices correctly identified on Chain of Custody? Yes No   15. Were all holding times able to be met? Yes No   (If no, notify customer for authorization.) Yes No   Special Handling (if applicable)   16. Was client notified all discrepancies with this order? Yes   Date:   Person Notified: Date:	5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌		
8. Are samples (except VOA and ONG) properly preserved?       Yes       No       No         9. Was preservative added to bottles?       Yes       No       NA         10. VOA vials have zero headspace?       Yes       No       No VOA Vials         11. Were any sample containers received broken?       Yes       No       Voa Voa Vials         12. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       No       Adjusted?         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         14. Is it clear what analyses were requested?       Yes       No       Checked by:         15. Were all holding times able to be met?       Yes       No       Checked by:         (If no, notify customer for authorization.)       Special Handling (If applicable)       Iak is client notified of all discrepancies with this order?       Yes       No       NA         16. Was client notified for all discrepancies with this order?       Yes       No       NA       Person Notified:	6. Sample(s) in proper container(s)?	Yes 🔽	No 🗌		
9. Was preservative added to bottles?       Yes       No       NA         10. VOA vials have zero headspace?       Yes       No       No VOA Vials         11. Were any sample containers received broken?       Yes       No       Image: West of the served bottles checked for pH:         12. Does paperwork match bottle labels?       Yes       No       Image: West of the served bottles checked for pH:         12. Does paperwork match bottle labels?       Yes       No       Image: West of the served bottles checked for pH:         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Image: West of the served bottles?         14. Is it clear what analyses were requested?       Yes       No       Image: West of the served bottle?         15. Were all holding times able to be met?       Yes       No       Checked by:         (If no, notify customer for authorization.)       Special Handling (if applicable)       Image: West of the serve o	7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
10. VOA vials have zero headspace?       Yes       No       No VOA Vials         11. Were any sample containers received broken?       Yes       No       # of preserved bottles checked         12. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked         12. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         14. Is it clear what analyses were requested?       Yes       No       Checked by:         15. Were all holding times able to be met?       Yes       No       Checked by:         (If no, notify customer for authorization.)       Special Handling (if applicable)       Adjusted?         16. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:	8. Are samples (except VOA and ONG) properly preserved?	Yes 🔽	No 🗌		
11. Were any sample containers received broken?       Yes       No       # of preserved bottles checked for pH:         12. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       No       Image: Control of the custod o	9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗌	
12. Does paperwork match bottle labels?       Yes       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       No       Adjusted?         13. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         14. Is it clear what analyses were requested?       Yes       No       Adjusted?         15. Were all holding times able to be met?       Yes       No       Checked by:         (If no, notify customer for authorization.)       Yes       No       No         Special Handling (if applicable)       I6. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:	10.VOA vials have zero headspace?	Yes 🗌	No 🗍	No VOA Vials 🗹	
12. Does paperwork match bottle labels?       Yes       ✓       No       bottles checked for pH:         (Note discrepancies on chain of custody)       Yes       ✓       No       Adjusted?         13. Are matrices correctly identified on Chain of Custody?       Yes       ✓       No       Adjusted?         14. Is it clear what analyses were requested?       Yes       ✓       No       Adjusted?         15. Were all holding times able to be met?       Yes       ✓       No       Checked by:         (if no, notify customer for authorization.)       Yes       ✓       No       No       No         16. Was client notified of all discrepancies with this order?       Yes       No       No       NA       ✓         Person Notified:	11, Were any sample containers received broken?	Yes 🗆	No 🗹	# of processed	
(Note discrepancies on chain of custody)       (<2 or >12 unless note         13. Are matrices correctly identified on Chain of Custody?       Yes ♥       No       Adjusted?         14. Is it clear what analyses were requested?       Yes ♥       No       Checked by:         15. Were all holding times able to be met?       Yes ♥       No       Checked by:         (If no, notify customer for authorization.)       Yes       No       NA         Special Handling (if applicable)       16. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:	12.Does paperwork match bottle labels?	Yes 🔽	No 🗆	bottles checked	
14. Is it clear what analyses were requested?       Yes       ✓       No         15. Were all holding times able to be met?       Yes       ✓       No       Checked by:         (If no, notify customer for authorization.)       Special Handling (if applicable)           16. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:					>12 unless noted)
15. Were all holding times able to be met? (If no, notify customer for authorization.)       Yes ♥ No □       Checked by:         Special Handling (if applicable)       16. Was client notified of all discrepancies with this order?       Yes □       No □       NA ♥         Person Notified:        Date:	13. Are matrices correctly identified on Chain of Custody?			Adjusted?	<u></u> ,
(If no, notify customer for authorization.)         Special Handling (if applicable)         16. Was client notified of all discrepancies with this order?         Yes         No         Na         Person Notified:         Date:				<b>e</b> , <b>i</b> , <b>i</b> ,	
16. Was client notified of all discrepancies with this order? Yes No No NA 🗹 Person Notified: Date:		Yes 🗹	NoLI	Checked by:	
16. Was client notified of all discrepancies with this order? Yes No No NA 🗹 Person Notified: Date:	Created Handling (if annliastic)				
Person Notified: Date:		Ves 🗍			
	By Whom: Via:	eMail	Phone 🗌 Fax	In Person	

17. Additional remarks:

Regarding: Client Instructions:

#### 18. Cooler Information

Cooler No	Cemp*C	Condition	Seal Intact	Seal No.	Seal Date V	Signed By
1	2.4	Good	Yes			

Client:	Animas	Enviro	nmintal Sinicis					HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com													
	Address	6240	E. Comanche	Enterpris	LEPNG C	on $D # 5A$	4901 Hawkins NE - Albuquerque, NM 87109														
Far	mingto	n, NM	87401	Project #:			Tel. 505-345-3975 Fax 505-345-4107 Analysis Request											الأح معاد الكائن			
Phone	#: <u>505</u>	-564-	Z261						مىسىت			A	naly	sis.	Req	ues					
email o	r Fax#:			Project Mana	ger:		Ę	<u>S</u>	8					04)	6					1	
QA/QC	Package: Idard		Level 4 (Full Validation)	H. Woods			<b>2018'</b> 6 (8021)	(Gas o	DRO (MADO)			SIMS)		PO4,S	PCB'						
Accred	itation			Sampler: H.	Woods			표	Ö	E	÷	2		02	082						(F)
	AP	□ Othe	۲	On Ice	As Yes	D No	₩ +	+	õ	18.	20	8270	~	03, 1	s / 8		R				or 2
	(Type)			Sample Tem	perature: 2.	4'	۲.	ВП	Q	od 4	g	ō O	etals	Ň	side	F	2				
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 4143	BTEX +-MEDE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	<b>RCRA 8 Metals</b>	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄ )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)		_		Air Bubbles (Y or N)
10/14	1434	5011	5C-1	1-402	_	-001	$\mathbf{Y}_{\mathbf{x}}$		У.												
/ID/N	1305	Soil	SC-2_	1-402		-002	X		у		_									·	
1/10/14	1530	50%1	5C-3	1-402	_	-003	X		X												
10/14	)430	Soul	se-4	1-402		-004	×		X											-	_
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ib µ Date:	130 Time:	Heat	ter M. Woodo	Received by:	Uaeta .	U/10/14 7730		narks Bill		En	firp	مذاء	F	ied	s,	له ۱۰	درج				
0/1	1759	Phretie Welle		anner 11/14/14 12:20					_												

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



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

January 21, 2014

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX

RE: Enterprise ENPG Com D #5A

OrderNo.: 1401444

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/11/2014 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	Labora	ntory, Ir	ıc.			Lab Order 1401444 Date Reported: 1/21/20	14
CLIENT: Animas Environmental Services Project: Enterprise ENPG Com D #5A Lab ID: 1401444-001	s Matrix:	SOIL	C	Collection I	<b>Date:</b> 1/1	storic Composite 0/2014 3:32:00 PM 1/2014 12:20:00 PM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE C	RGANICS				-	Analyst	BCN
Diesel Range Organics (DRO)	16	10	)	mg/Kg	1	1/14/2014 4:09:50 PM	11196
Surr: DNOP	102	66-131		%REC	1	1/14/2014 4:09:50 PM	11196
EPA METHOD 8015D: GASOLINE RANG	iΕ					Analyst	: NSB
Gasoline Range Organics (GRO)	24	4.9	)	mg/Kg	1	1/16/2014 4:12:39 PM	11192
Surr: BFB	229	74.5-129	S	%REC	1	1/16/2014 4:12:39 PM	11192
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.049	)	mg/Kg	1	1/16/2014 4:12:39 PM	11192
Toluene	ND	0.049	)	mg/Kg	1	1/16/2014 4:12:39 PM	11192
Ethylbenzene	0.094	0.049	)	mg/Kg	1	1/16/2014 4:12:39 PM	11192
Xylenes, Total	0.28	0.097	,	mg/Kg	1	1/16/2014 4:12:39 PM	11192
Surr: 4-Bromofluorobenzene	110	80-120	)	%REC	1	1/16/2014 4:12:39 PM	11192

**Analytical Report** 

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 4
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

WO#: 1401444

21-Jan-14

	s Environmental Services rise ENPG Com D #5A		
Sample ID MB-11196	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range Organics
Client ID: PBS	Batch ID: 11196	RunNo: <b>16046</b>	
Prep Date: 1/13/2014	Analysis Date: 1/14/2014	SeqNo: 462288	Units: <b>mg/Kg</b>
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Surr: DNOP	10 10.00	104 66	131
Sample ID LCS-11196	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range Organics
Client ID: LCSS	Batch ID: 11196	RunNo: 16046	
Prep Date: 1/13/2014	Analysis Date: 1/14/2014	SeqNo: <b>462296</b>	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	50 10 50.00	0 99.3 60.8	145
Surr: DNOP	5.1 5.000	102 66	131

#### Qualifiers:

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

Page 2 of 4

Client:Animas Environmental ServicesProject:Enterprise ENPG Com D #5A

Sample ID MB-11192	SampT	SampType: MBLK			tCode: EF	e				
Client ID: PBS	Batch	h ID: 11	192	F	RunNo: 10	6104				
Prep Date: 1/13/2014	Analysis D	0ate: <b>1</b> /	15/2014	5	SeqNo: 4	63814	Units: <b>mg/k</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND	5.0				74.5	400			
	900		1000		89.8	74.5	129			
Sample ID LCS-11192		ype: LC					8015D: Gase	oline Rang	e	
	SampT	ype: LC	:S	Tes		PA Method		oline Rang	e	
Sample ID LCS-11192	SampT	h ID: 11	:S 192	Tes F	tCode: El	PA Method 6104		-	e	
Sample ID LCS-11192 Client ID: LCSS	SampT Batcl	h ID: 11	S 192 15/2014	Tes F	tCode: EF RunNo: 10	PA Method 6104	8015D: Gasc	-	e RPDLimit	Qual
Sample ID LCS-11192 Client ID: LCSS Prep Date: 1/13/2014	SampT Batcl Analysis D	h ID: 11 Date: 1/	S 192 15/2014	Tes F S SPK Ref Val	tCode: EF RunNo: 10 SeqNo: 40	PA Method 6104 63815	8015D: Gasc Units: mg/K	(g		Qual

#### Qualifiers:

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

Page 3 of 4

WO#: 1401444

21-Jan-14

### Client: Animas Environmental Services

Project: Enterprise ENPG Com D #5A

									· · · · · · · · · · · · · · · · · · ·	
Sample ID MB-11192	Sampl	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batc	h ID: 11	192	F	RunNo: 1	6104				
Prep Date: 1/13/2014	Analysis [	Date: 1/	15/2014	S	SeqNo: 4	63837	Units: <b>mg/k</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050					- <u> </u>			
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			
Sample ID LCS-11192	SampT	Гуре: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 11	192	F	lunNo: 1	6104				
Prep Date: 1/13/2014	Analysis [	Date: 1/	15/2014	S	SeqNo: 4	63838	Units: <b>mg/H</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	107	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Totał	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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

Page 4 of 4

WO#: 1401444

21-Jan-14

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-3	ntal Analysis Labord 4901 Hawkin. Albuquerque, NM 8. 1975 FAX: 505-345 w.hallenvironmental.	s NE 7105 Samj 4107	ole Log-In Check List
Client Name: Animas Environmental Work Order Num	ber: 1401444		RcptNo: 1
Received by/date: AF OI 11114			
Logged By: Lindsay Mangin 1/11/2014 12:20:00	) PM	the states	
Completed By: Lindsay Mangin 1/13/2014 8:33:31	AM	And Happ	
Reviewed By: 01/13/2014			
Chain of Custody			
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?	Courier		
Log in			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌
5. Were all samples received at a temperature of >0° C to $6.0^{\circ}$ C	Yes 🗹	No 🗌	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) property preserved?	Yes 🗹	No 🗌	
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗌
10.VOA vials have zero headspace?	Yes 🗌	No 🗌	No VOA Vials 🗹
11. Were any sample containers received broken?	Yes	No 🗹 [	# of preserved
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗆	Adjusted?
14, is it clear what analyses were requested?	Yes 🗹	No 🗆	
15.Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)			

۰,

16.1	Was client notified of all discrepancies with this order	? Yes 🗌 No 🗌	NA 🗹
	Person Notified:	Date:	
	By Whom:	Via: 🗌 eMail 🗌 Phone 🗌 Fax 🗌	In Person
	Regarding:		
	Client Instructions:		

- 17. Additional remarks:
- 18. Cooler Information

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Cooler No. Temp 20	Conditio	n Seal Intact	Seal No Seal Date	Signed By
1 2.4	Good	Yes		

			BLOUY NECOLU	J			Ι.						<b>C i</b>	NIM	ТЕ	2	N B	ME.	NT/	AI	
Client:	A	Environ	mental Services	A Standard	🗆 Rush					_											,
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Mailing	Address	624 E	. Comanche	Enterpris	EPNG C	om D#5A	]	49	01 H	awki	ns N	IE -	Alb	uque	ərqu	e, Ni	M 87	109			
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QA/QC I					0-		121)	u U	₩					SO	3's						
dr/der Ør Stan	-		Level 4 (Full Validation)	H. Woods			<b>10</b> 21)	TPH (Gas only)	TPH 8015B (GRO / DRO / WEQ)			SIMS)		Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄ )	PCB's						
Accredi		·····			1.1.1.0		i di	) H	ВD			0 SI	Í	<u>г</u>	82						
		Othe	r	Sampler: H.				L L	ò	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270		Ž,	8081 Pesticides / 8082		2				Air Bubbles (Y or N)
				and the second		Y°C	Ц	BTEX + MTBE +	GR	41	150	5	sle	g	les		(Semi-VOA)				ة حرا
								ATB	<u>В</u>	hoc	per	10	Veta	ਹੁੰ	ticic	ð	<u>אי</u> -				) se
Date	Time	Matrix	Sample Request ID	Container	Preservative		BTEX + MEBE	4	3015	Met	Met	8	RCRA 8 Metals	л Г	Pes	8260B (VOA)	Sei				qq
Date	nne	matrix	Sample Request ID	Type and #	Туре	HEALNO	Ш	ЕX	H 8	Ξ	m	H's	RA R	ü	811	60E	8270 (				1 B
						401444	E	ВТ	ЧЦ	Ē	딦	4	Ř	Ā	80	82	82				Ī
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·MA	1750	$\square \bigcirc$	wt Walter	All		1/11/14 12:20															

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

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State of New Mexico Energy Minerals and Natural Resources

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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.

			Dat			, INIVI 873				
			Kele	ease Notifi	cation		orrective A		_	
<u> </u>						OPERA'		Init	al Report 🛛 🛛 Final R	eport
		Interprise Fie					nomas Long		<u> </u>	
		Ave, Farming	<u> </u>	87401			No. 505-599-22			
Facility Nai	me: Blan	co 30-12 #1	005			Facility Typ	be: Well Site –	Meter Tube/Met	er Run	
Surface Ow	ner: Priva	te		Mineral (	Owner:E	BLM		API N	).	]
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Unit Letter	Section	Township	Range	Feet from the		N OF RE	Feet from the	East/West Line	County	
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				NAT	<b>URE</b>	OF REL	EASE			
		al gas and post		ciated liquids		····	f Release: 32 MC	CF Volume	Recovered: Unknown	
		Iral gas gather	ing pipeli	ne		12/14/201	Hour of Occurrend 3 @ 6:00 p.m.	ce: Date and @ 6:00	Hour of Discovery: 12/14/2 o.m.	2013
Was Immedi	ate Notice (		Yes 🗵	No 🗌 Not R	equired	If YES, To	Whom?	OIL	CONS. DIV DIST. 3	
By Whom?						Date and I	lour			
Was a Water	course Read	ched?	Yes 🗵	No		If YES, V	olume Impacting	the Watercourse.	MAR 1 1 2014	
If a Watercon	urse was Im	pacted, Descr	ibe Fully. ³	*						
of the product lasted about the orifice flat service. App	ction compa 1.5 hours. T ange had blo roximately (	ny shut in the 'he production own out due to 32 square feet	meter run company liquids fi of soil wa	and stopped the notified the Enter reezing in piping is stained from re	leak at al erprise me a meter t leased w	bout 6:00 PM easurement c ube. He repla ater and cond	1 in which the fire lepartment on 12/ aced the gaskets a densate.	e department respo 15/2013 at approx and orifice plate an	er's well location. An employ ided. They estimate the leak mately 8:20 AM. The gask d put the meter run back in	
Approximate	ely 3 cubic y	and Cleanup 7 ards of hydro his final "C-14	carbon co	ntaminated soil w	ately 32 as dispo	square feet of sed of at a N	MOCD approved	l from released wa land farm facility.	er and condensate. A third party corrective acti	ion
I hereby cert regulations a public health should their or the enviro	ify that the i ill operators or the envi operations h nment. In a	information gi are required to ronment. The nave failed to a	ven above o report an acceptand adequately OCD accept	nd/or file certain i ce of a C-141 rep investigate and i	release no ort by the remediate	otifications a NMOCD m e contaminat	nd perform correct narked as "Final R ion that pose a thr	ctive actions for re Report" does not re reat to ground wate	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human heat compliance with any other	
		1 /	IN				OIL CON	SERVATION	DIVISION	/1
Signature:		In the	ų			Approved by	Environmental S	Specialist:	7/	
Printed Nam	e: Jon Field	<u>s</u>							y mille	
Title: Direct	or, Environ	mental				Approval Da	<u>te: 4/24/</u>	14 Expiration	Date:	
E-mail Addr		· ·				Conditions o	f Approval:		Attached	
2	-3-20			: (713)381-6684						
Attach Addi	itional She	ets If Necess	ary	Incident	#	NCSIL	11 144 82	374		



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche

505-564-2281

Durango, Colorado 970-403-3084

Farmington, NM 87401

February 6, 2014

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

*Via electronic mail with delivery confirmation receipt to:* <u>tilong@eprod.com</u>

RE: Release Assessment Report Blanco 30-12 #100S Meter Run Release SW¼ SE¼, Section 10, T30N, R12W San Juan County, New Mexico OIL CONS. DIV DIST. 3 MAR 1 1 2014

Dear Mr. Long:

On December 20, 2013, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of approximately 34 Mcf of natural gas and an estimated volume of less than five barrels (bbls) pipeline liquids from the Enterprise Field Services, LLC (Enterprise) Blanco 30-12 #100S meter run. The release was discovered on December 14, 2013, and resulted from a failed orifice flange gasket due to freezing.

### 1.0 Site Information

### 1.1 Location

Location – SW¼ SE¼, Section 10, T30N, R12W, San Juan County, New Mexico Well Head Latitude/Longitude – N36.82294 and W108.08458, respectively Release Location Latitude/Longitude – N36.82326 and W108.08473, respectively Surface Owner – Private Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

### 1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the assessment. The release was given a ranking score of 20 based on the following factors:

- Depth to Groundwater: Depth to groundwater is estimated to be between 50 and 100 feet below ground surface (bgs) based on a reported depth to water of 60 and 70 feet bgs in nearby water wells (SJ 00945 and SJ 02128) registered with the Office of the State Engineer. These wells are located approximately 1,100 feet to the southwest of the release location. (10 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The release is located approximately 265 feet to the west of the ephemeral wash in Johnson Arroyo draining to Flora Vista Arroyo and then to Animas River. (10 points)

The ranking score of 20 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

## 1.3 Assessment and Mitigation

On December 20, 2013, Enterprise contractors completed an excavation of petroleum hydrocarbon impacted soils in the release area around the meter house at the location. AES provided field screening for excavation guidance and, prior to backfilling the excavation, collected two confirmation soil samples for field screening and laboratory analysis from the base of the shallow, final excavation. The final excavation was approximately 230 square feet by 0.25 to 1 foot deep and terminated on sandstone. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Industrial Ecosystems, Inc. (IEI) landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The IEI waste manifest and a photograph log are included in the Appendix.

## 2.0 Soil Sampling

A total of two composite soil samples (SC-1 and SC-2) were collected from the base of the final excavation during the assessment. The composite samples were field screened for volatile organic compounds (VOCs) and submitted for laboratory analysis.

## 2.1 Field Screening

### 2.1.1 Volatile Organic Compounds

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

#### 2.2 Laboratory Analyses

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

TPH (GRO/DRO) per U.S. Environmental Protection Agency (EPA) Method 8015D.

#### 2.3 Field Screening and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 2.1 ppm in SC-1 to 2.6 ppm in SC-2. Results are included in Table 1 and on Figure 3.

Blanco 30-12 #100S	Meter Run Re	elease Assessmer	nt, December 2013
Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)
NMO	CD Action Level	*	100
SC-1	12/20/13	0.25 to 1	2.1
SC-2	12/20/13	0.25 to 0.5	2.6

Table 1. Soil Field Screening VOC Results

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

Laboratory analytical results showed that TPH concentrations were below the laboratory detection limit in SC-1 and SC-2. Laboratory analytical results are included in Table 2 and on Figure 3. The laboratory analytical report is attached.

00S Meter Rur	n Release Asse	essment, De	cember 201
Date Sampled	Sample Depth (ft bgs)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
CD Action Leve	/*		100
12/20/13	0.25 to 1	<4.9	<10
12/20/13	0.25 to 0.5	<4.7	<9.9
	Date Sampled CD Action Leve 12/20/13	SampleDateDepthSampled(ft bgs)CD Action Level*12/20/130.25 to 1	DateDepthGROSampled(ft bgs)(mg/kg)CD Action Level*12/20/130.25 to 1<4.9

Table 2. Laboratory Analytical Results – TPH
Blanco 30-12 #100S Meter Run Release Assessment, December 2013

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

### 3.0 Conclusions and Recommendations

Action levels for releases determined by NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 20. Field screening of SC-1 and SC-2 showed VOC concentrations below the NMOCD action level of 100 ppm. Laboratory analytical results reported TPH concentrations below the NMOCD action level of 100 mg/kg in SC-1 and SC-2.

Based on field screening and laboratory results of the final excavation extents for petroleum contaminated soils, no further work is recommended for the Blanco 30-12 #100S Meter Run Release.

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

Sincerely,

Aleather M. Woods

Heather Woods, P.G. Project Manager

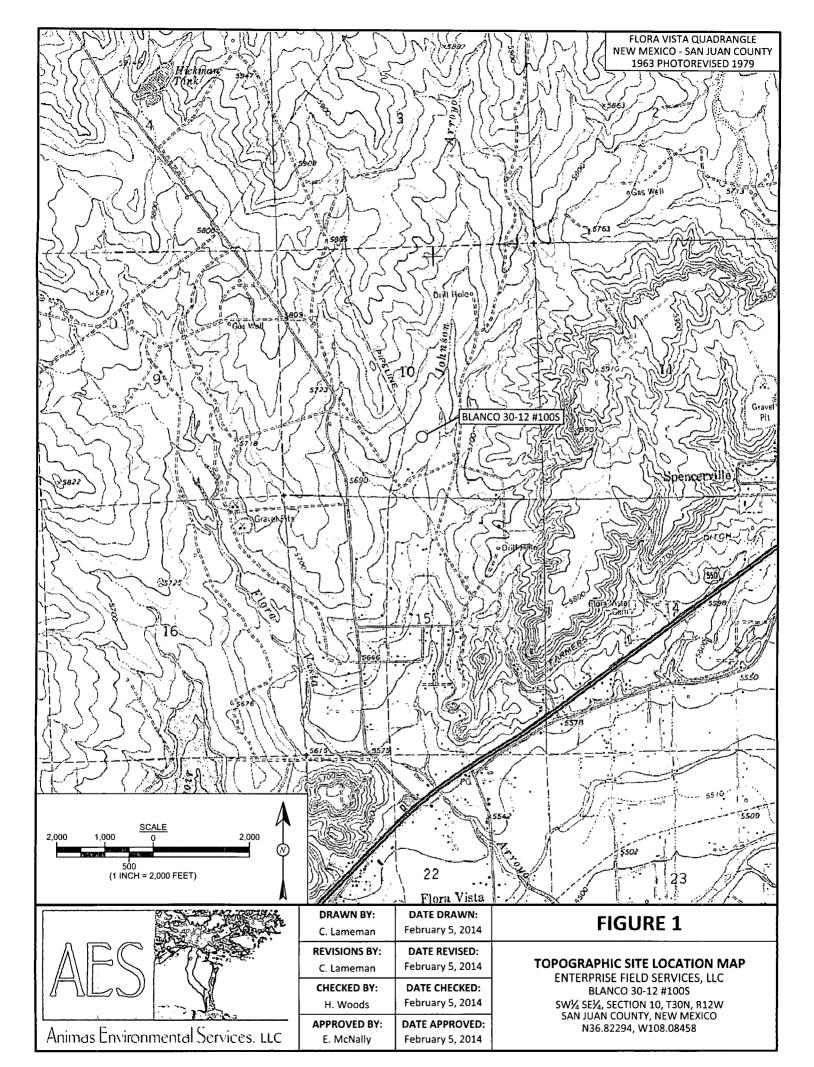
Elipsbuth V Mendly

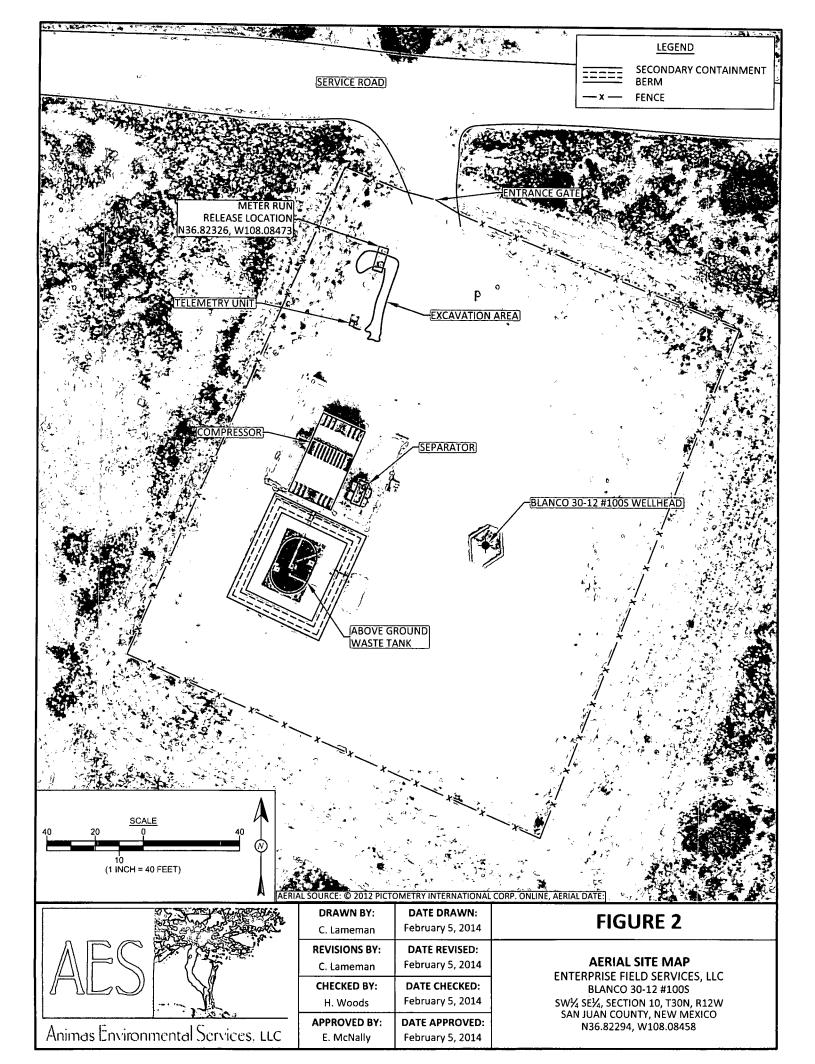
Elizabeth McNally, P.E.

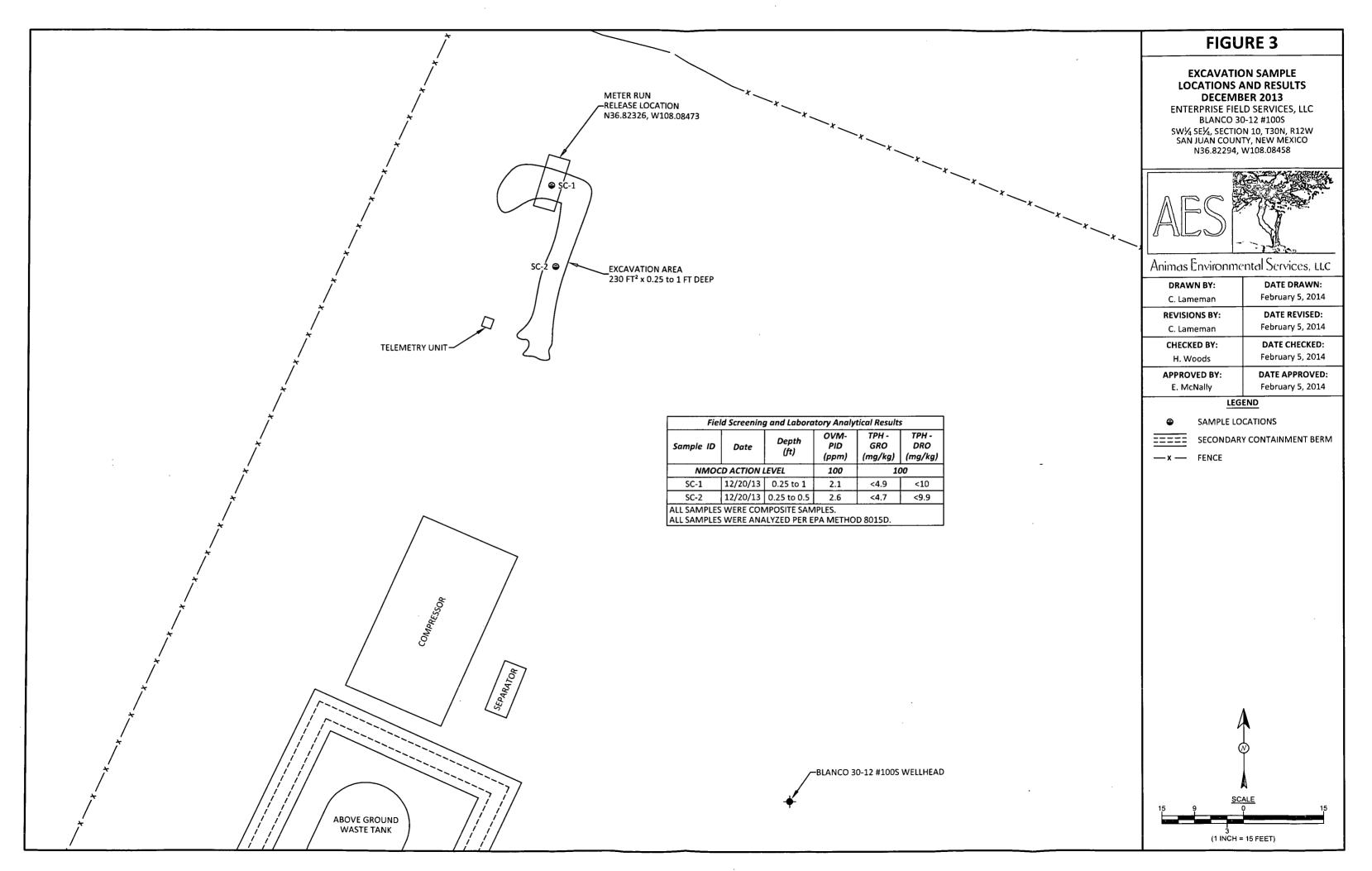
Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map Figure 3. Final Excavation Sample Locations and Results, December 2013 Waste Manifest (IEI C-138) Photograph Log Laboratory Analytical Reports (Hall 1312A30)

R:\Animas 2000\Dropbox\0000 Animas Server Dropbox EM\2014 Projects\Enterprise\Blanco 30-12 #100S\Enterprise Blanco 30-12 #100S Release Report 020614.docx







162 Dist	<u>rict I</u> 5 N. French Dr., Hobbs, NM 88240 <u>rict II</u> 1 W. Grand Avenue, Artesia, NM 88210	State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division	Form C-138 Revised 08/01/11
100	rict III 0 Rio Brazos Road, Aztec, NM 87410 v <u>ict IV</u>	1220 South St. Francis Dr.	*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.
<u>ار</u>	S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 87505	·
		FOR APPROVAL TO ACCEPT	
	Generator Name and Address: terprise Field Services, LLC, 614 Reilly	v Ave. Farmington NM 87401	
2.	Originating Site:		
2,	Blanco 30-12 #1008 Meter Tube Leak		
3.	Location of Material (Street Address, Unit O Sec 10, T30N, R12W, San Jua		
4.	Source and Description of Waste:		20- 15
	rce: Natural Gas Gathering Line	sate and Water) released from a gathering line	and 12
		m Volume (to be entered by the operator at the en	nd of the haul) (yd)/ bbls
5,	GENERAT	OR CERTIFICATION STATEMENT OF WA	STE STATUS
	Here I.		
I, 1		authorized agent for Enterprise Products Operatin	ng do hereby
		rvation and Recovery Act (RCRA) and the US Ered waste is: (Check the appropriate classification)	
-	RCRA Exempt: Oil field wastes ge exempt waste. <u>Operator Use Only:</u>	nerated from oil and gas exploration and producti Waste Acceptance Frequency Monthly	ion operations and are not mixed with not Weekly Per Load A
	characteristics established in RCRA reg	e which is non-hazardous that does not exceed the ulations, 40 CFR 261.21-261.24, or listed hazardo documentation is attached to domonstrate the above	ous waste as defined in 40 CFR, part 2
	MSDS Information 🔲 RCRA Hazard	ous Waste Analysis 🛛 Process Knowledge [	Other (Provide description in Box
	GENERATOR 19.15.36.15 W	ASTE TESTING CERTIFICATION STATEM	IENT FOR LANDFARMS
	Thomas Long		
I, T	homas Long , representativ	e for Enterprise Products Operating authorize IEI	I, Inc. to complete
the	required testing/sign the Generator Wast	e Testing Certification.	
hav of t	resentative samples of the oil field waste	have been subjected to the paint filter test and test equirements applicable to landfarms pursuant to S demonstrate the above-described waste conform	ted for chloride content and that the second s
5.	Transporter: To Be Determined		
U	CD Permitted Surface Waste Manager		AT 0010D
	Name and Facility Permit #: JFJ Landiz	rm/Industrial Ecosystems, Inc. * Permit #: NM	
	Address of Facility: #49 CR 2150 Azto	ec, New Mexico	CC-2/ Ph-8
	Method of Treatment and/or Disposal:	tion 🔲 Treating Plant 🛛 Landfarm 🗌	Landfill $\Box$ Other $PD = O$
W	/aste Acceptance Status:	APPROVED 🗌 DENIEI	D (Must Be Maintained As Permanent Record)
~P.	RINT NAME: L. Machue	TITLE: Land Farm A TELEPHONE NO.:	dministrator DATE: 12-20-13
2	Surface Waste Management Fac		<u>632-1782</u>

.

...

Photo #1	
Client:	
Enterprise Field Services, LLC	
Project: Blanco 30-12 #100S	
Taken by: Heather Woods	
Date: December 20, 2013	
AES Project No.	Description:
131230	View of excavation area looking north.

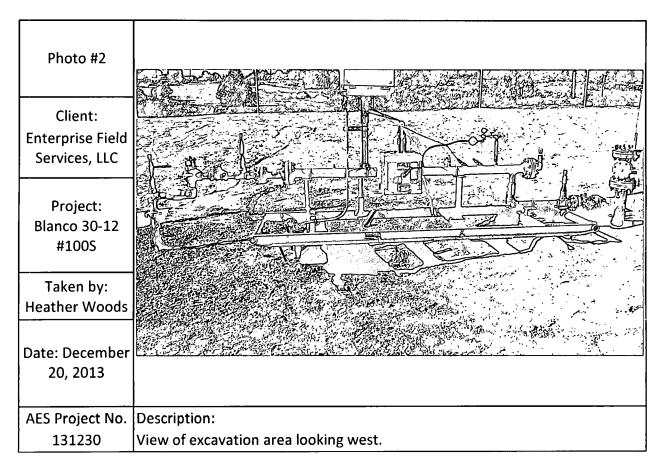


Photo #3	
Client: Enterprise Field Services, LLC	
Project: Blanco 30-12 #100S	
Taken by: Heather Woods	
Date: December 20, 2013	
AES Project No. 131230	Description: View of excavation area looking north.



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

January 03, 2014

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX

RE: Enterprise Blanco 30-12 #100S

### OrderNo.: 1312A30

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/21/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** Lab Order 1312A30

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/3/2014 **Client Sample ID: SC-1** 

CLIENT:	Animas Environmental Serv	vices	Client Sample ID: SC-1				
<b>Project:</b>	Enterprise Blanco 30-12 #1	00S		Collection D	ate: 12/20/	/2013 12:30:00 PM	
Lab ID:	1312A30-001	Matrix:	SOIL	Received D	Received Date: 12/21/2013 8:20:00 AM		
Analyses		Result	RL Qu	ual Units	DF	Date Analyzed	
EPA METHOD 8015D: DIESEL RANGE ORGANICS Analys							
Diesel R	ange Organics (DRO)	ND	10	mg/Kg	1	12/26/2013 9:41:45 AM	
Surr: DNOP		99.9	66-131	%REC	1	12/26/2013 9:41:45 AM	
EPA ME1	THOD 8015D: GASOLINE R	ANGE				Analyst: NSB	
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	12/25/2013 3:27:21 AM	
Surr: I	BFB	80.2	74.5-129	%REC	1	12/25/2013 3:27:21 AM	

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

#### Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Page 1 of 4 Р Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit RL

**Analytical Report** Lab Order 1312A30

Date Reported: 1/3/2014

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services **Client Sample ID: SC-2** Enterprise Blanco 30-12 #100S **Project:** Collection Date: 12/20/2013 1:10:00 PM Lab ID: 1312A30-002 Matrix: SOIL Received Date: 12/21/2013 8:20:00 AM Analyses Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015D: DIESEL RANGE ORGANICS** Analyst: JME **Diesel Range Organics (DRO)** ND 9.9 mg/Kg 1 12/25/2013 12:35:17 AM Surr: DNOP 104 66-131 %REC 1 12/25/2013 12:35:17 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 12/25/2013 3:55:53 AM Surr: BFB 81.6 %REC 12/25/2013 3:55:53 AM 74.5-129 1

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

Qualifiers:

*

- Value exceeds Maximum Contaminant Level. Ε Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit Page 2 of 4
- Sample pH greater than 2 for VOA and TOC only. Р
- **Reporting Detection Limit** RL

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1312A30

05-Feb-14

	s Environme rise Blanco 3		-							
Sample ID MB-10940	SampT	ype: ME	<u></u> ВLК	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Organics	
Client ID: PBS	Batch	n ID: 10	940	F	RunNo: 1	5679				
Prep Date: 12/23/2013	Analysis D	ate: 12	2/24/2013	S	SeqNo: 4	52733	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		117	66	131			
Sample ID LCS-10940	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (	Organics	
Client ID: LCSS	Batch	1D: <b>10</b>	940	F	RunNo: 1	5679				
Prep Date: 12/23/2013	Analysis D	ate: 12	2/24/2013	S	SeqNo: 4	52736	Units: <b>mg/K</b>	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	70	10	50.00	0	140	60.8	145			
Surr: DNOP	6.5		5.000		131	66	131			

### Qualifiers:

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

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	1312A30
	05-Feb-14

	Environme ise Blanco 3							_		
Sample ID MB-10957	Samp1	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batcl	h ID: 10	957	F	lunNo: 1	5727				
Prep Date:         12/23/2013         Analysis Date:         12/24/2013         SeqNo:         453870         Units:         mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.7	74.5	129			
Sample ID LCS-10957	SampT	ype: LC	s	Tes	Code: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batcl	h ID: 10	957	F	lunNo: 1	5727				
Prep Date: 12/23/2013	Analysis E	Analysis Date: 12/24/2013 SeqNo: 453871 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	74.5	126			
Surr: BFB	960		1000		95.6	74.5	129			

### Qualifiers:

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

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# Sample Log-In Check List

Client Name: Animas Environmental Work Order Num	iber: 1312A30		RcptNo:	1
Received by/date: IZ Z(13				
Logged By: Lindsay Margin 12/21/2013 8:20:00	0 AM	July Hogo		
Completed By: Lindsay Mangin 1/2/21/2013)8:35:30	6 AM	Julythap		
Reviewed By: 12/23/13				
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present 🗹	
2. Is Chain of Custody complete?	Yes 🔽	No 🗌	Not Present	
3. How was the sample delivered?	<u>Courier</u>			
Log In				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
7. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌		
8. Are samples (except VOA and ONG) property preserved?	Yes 🗹	No 🗌		
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗆	
10.VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials 🗹	
11, Were any sample containers received broken?	Yes 🗆	No 🗹 [		
		_	# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🖵	for pH:	>12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	_	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:	
<u>Special Handling (if applicable)</u>				
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	1
Person Notified: Dat				
By Whom: Via	: 🗋 eMail 🔲	Phone 🗌 Fax	In Person	
Regarding:				

17. Additional remarks:

**Client Instructions:** 

18. Cooler Information

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

		<b>UI</b>	Jolung Incollu	J				Ι.			L				NN	7 E	20	NR	A E	NT	AI	
Client:	Inimas	Entron	mental Services	😾 Standard	□ Rush	1			_'	''										TO		
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Phone #	#: <u>505</u> -	- 564 -	2281			u., .				_	· · · ·	1	. A	naly	/sis	Req	ues				1	
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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	;	Sa		e, NM 875						
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Date: 2	14-14	;	Phone:	(713)381-6684				<u> </u>				
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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr.

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

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			Ken		cation	OPERA			🛛 Initi	al Report		Final Rep
	and a set	Enterprise Fi					homas Long					
		Ave, Farmin	gton, NM	87401			No. 505-599-22					
Facility Na	me: Latera	l 2C-107				Facility Typ	be: Natural Gas	Gatheri	ng Line			
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Unit Letter K	Section 23	Township 25N	Range 3W	Feet from the	North	South Line	Feet from the	East/W	est Line	County San Juan		
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# State of New Mexico Energy Minerals and Natural Resources

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

Form C-141 Revised August 8, 2011

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa	Fe, NM 87505
	on and Corrective Action
Kelease Wormeath	<b>OPERATOR</b> Updated Final Report
Name of Company Enterprise Field Services, LLC	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Ballard Compressor Station	Facility Type Natural Gas Compressor Station
Surface Owner Private Mineral Owne	or BLM API No.
	ON OF RELEASE
······································	rth/South Line   Feet from the   East/West Line   County
$\frac{1}{1} \qquad 26 \qquad 26N \qquad 9W \qquad 100000000000000000000000000000000000$	San Juan
Latitude N 36.45953	Longitude W 107.75151 (Decimal Degrees)
NATUR	E OF RELEASE
Type of Release Natural Gas Condensate	Volume of Release 4-5 Barrels Volume Recovered 4 Barrels (estimated)
Source of Release Condensate Tank Overtopping Event	Date and Hour of Occurrence Date and Hour of Discovery
	7.2.2013 @ 07:00 hours       7.2.2013 @ 08:00 hours       (estimated)
Was Immediate Notice Given?	If YES, To Whom?
🗌 Yes 🗌 No 🖾 Not Required	
By Whom?	Date and Hour
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
Yes X No	RCVD JAN 21 '14
If a Watercourse was Impacted, Describe Fully.*	DIL CONS. DIV. DIST. 3
estimated that 4-5 barrels of condensate was released to the lined second over in mist form and fell onto the ground within a 30 foot semi-circle t secondary lined containment berm was removed within 2 hours of the d inventoried of condensate at this time. A malfunction of the automated relayed to the monitoring system. The liquid level monitoring system is Describe Area Affected and Cleanup Action Taken.*	
containment area. Contaminated soils were transported to a NMOCD a complete, a bioremediation solution (Micro-Blaze) was applied to excan	oximately 120 barrels of contaminated soils were hydro-excavated from within the approved land farm facility. After assessment and excavation activities were vation side walls a base to remediate the residual subsurface hydrocarbon A third party corrective action and assessment report is enclosed with this
regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi	to the best of my knowledge and understand that pursuant to NMOCD rules and e notifications and perform corrective actions for releases which may endanger the NMOCD marked as "Final Report" does not relieve the operator of liability iate contamination that pose a threat to ground water, surface water, human health t does not relieve the operator of responsibility for compliance with any other
Signature: In Tick	OIL CONSERVATION DIVISION
Printed Name: Jon Fields	Approved by Environmental Specialist:
Title: Sr. Director, Environmental	Approval Date: 11 4 14 Expiration Date:
E-mail Address: jefields@eprod.com	Conditions of Approval:
Date: 1-15-14 Phone: (713)381-6684	Eaterprise Must Return No
Attach Additional Sheets If Necessary	1 oder than 12/4/14 to
	Locker than 12/14/14 to Constinue Revidentius
-	4 NGS 14308 40639



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche

505-564-2281

Durango, Colorado 970-403-3084

Farminaton, NM 87401

December 9, 2013

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

Via electronic mail with delivery confirmation receipt to: <u>tjlona@eprod.com</u>

RE: Release Assessment Report Ballard Compressor Station Condensate Tank Release SE¼ NE¼, Section 26, T26N, R9W San Juan County, New Mexico

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

Dear Mr. Long:

On July 3 through August 2, 2013, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of an estimated four to five barrels (bbls) of natural gas condensate and oil from the Enterprise Field Services, LLC (Enterprise) Ballard Compressor Station condensate tank. The release occurred on July 2, 2013, and was contained within the lined steel wall secondary containment, except for an estimated 10 to 20 gallons that fell as a mist onto an approximate 30 foot semi-circular area on the northwest side of the secondary containment area. The release resulted from overtopping of the western condensate tank associated with malfunction of the automated liquid level indicator system.

# 1.0 Site Information

# 1.1 Location

Location - SE¼ NE¼, Section 26, T26N, R9W, San Juan County, New Mexico Latitude/Longitude - N36.45949 and W107.75164, respectively Surface Owner – Private – El Paso Field Services (per San Juan County Assessor's Map) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

# 1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to the initial assessment. The release was given a ranking score of **10** based on the following factors:

- Depth to Groundwater: Based on depth to groundwater ranging from 215 to 230 feet below ground surface (bgs) reported in private wells SJ 00063, SJ 00064, and SJ 00214 located approximately 680 feet, 890 feet and 1,200 feet, respectively, from the release location, depth to groundwater is assumed to be greater than 100 feet bgs at the release location. (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Two tributary ephemeral washes are located approximately 500 and 700 feet to the east of the release location and drain to the wash in Blanco Canyon. (10 points)

The ranking score of 10 was confirmed with Brandon Powell of NMOCD and dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 1,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

# 1.3 Assessment and Mitigation

On July 3, 2013, Heather Woods and Jesse Christopherson of AES completed the initial release assessment field work. Upon arrival, the spray-on liner inside the secondary containment was observed to be detaching from the steel wall containment and also appeared to be cut away from the two condensate tanks within the containment. A secondary poly-liner was observed beneath the two condensate tanks; however, visual verification of integration of the poly-liner with the spray-on liner was not possible. The initial assessment included the collection of soil samples from ten borings (SB-1 through SB-10) advanced diagonally inward from the outside edge of the secondary containment under the lined area inside the secondary containment berm and within the misted area. Soil borings were terminated on shallow sandy shale and sandstone. Initial assessment sample locations and results are included on Tables 1 and 2 and on Figure 3.

On July 10, 2013, Enterprise contractors removed approximately four yards of impacted soil from the misted area northwest of the containment area and stained areas along the outside edge of the steel wall containment. AES returned to the location on July 12, 2013, to collect soil samples from seven soil borings (SB-11 through SB-17) and two confirmation composite samples (SC-1 and SC-2). Soil boring SB-11 was advanced in the area created by the detachment of the spray-on liner from the steel wall containment. Soil boring SB-13 was advanced through a hole cut into the liner near the western condensate tank.

On July 24, 2013, Enterprise contractors removed the spray-on liner from the secondary containment. Staining of the soils was observed between the two tanks extending from

the north wall to the south wall of the steel wall containment, continuing eastward on the south side of the eastern tank toward the below grade tank (BGT). AES collected soil samples from two soil borings (SB-18 and SB-19) and two confirmation composite samples (SC-3 and SC-4).

On July 30 and August 2, 2013, approximately 120 barrels of impacted soils were excavated from inside the steel wall containment and along the footers of the steel wall containment on the north and west sides of the containment area using a hydro-excavation truck. Soils were removed to competent sandy shale or sandstone ranging from 0.25 to 1.25 feet bgs, except for the area immediately adjacent to the BGT, which was removed to a depth of approximately 4 to 6 feet bgs. Following excavation, AES collected four confirmation composite samples (SC-5 through SC-8). Further excavation was limited by the competent sandy shale and sandstone as well as by the facility equipment. On August 14, 2013, 500 gallons of Micro-Blaze® was applied to the excavation by Envirotech, Inc (Envirotech). The excavation was backfilled with clean fill, and impacted soil was transported to Envirotech Landfarm for proper disposal. Continued assessment soil sample locations and results are included on Tables 1 and 2 and on Figure 4. A photograph log and bills of lading are included in the Appendix.

# 2.0 Soil Sampling

A total of 34 soil samples were collected from 19 soil borings (SB-1 through SB-19), and 8 confirmation composite samples (SC-1 through SC-8) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for TPH. Seven samples collected from soil borings SB-4, SB-5, SB-8, SB-11, and SB-13 and six samples (SC-1, SC-2 and SC-5 through SC-8) from the final excavation were submitted for confirmation laboratory analysis.

# 2.1 Field Screening

# 2.1.1 Volatile Organic Compounds

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

# 2.1.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per USEPA Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

# 2.2 Laboratory Analyses

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

 TPH as GRO, DRO, and motor oil range organics (MRO) per U.S. Environmental Protection Agency (USEPA) Method 8015D.

Samples SB-4, SB-5, and SB-8 were also analyzed for:

BTEX per USEPA Method 8021B.

# 2.3 Field Screening and Laboratory Analytical Results

Release assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in several samples up to 1,497 ppm in SB-4. Field TPH concentrations ranged from 66.2 mg/kg in SB-16 to greater than 5,000 mg/kg in several samples. Results are included in Table 1 and on Figures 3 and 4.

Laboratory analytical results were used to confirm field screening results during the assessment and excavation activities. Benzene concentrations were reported below the laboratory detection limit in the four samples analyzed (SB-4 at 0.5 and 3.5 feet, SB-5, and SB-8). Total BTEX concentrations ranged from less than 0.23 mg/kg in SB-4 at 3.5 feet up to 15 mg/kg in SB-4 at 0.5 feet. TPH concentrations as GRO/DRO/MRO ranged from below laboratory detection limits in SC-1 and SC-2 up to 12,690 mg/kg in SC-6. Results are presented in Table 2 and on Figures 3 and 4. Laboratory analytical reports are attached.

# 3.0 Conclusions and Recommendations

On July 3 through August 2, 2013, AES conducted an assessment associated with a release of natural gas condensate and oil from the Ballard Compressor Station condensate tank. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Based on visual observations of detachment of the spray-on liner from the steel wall containment and no visual confirmation of the integration of the poly-liner to the spray-on liner beneath the two condensate tanks, soil borings were advanced diagonally

inward from outside the steel wall containment to confirm possible soil impacts below the liner. Soil borings were also advanced within the misted area outside the steel wall containment and stained areas along the steel wall footers to assess the depth of impacted soils.

Field screening results above the NMOCD action level of 100 ppm VOCs and 1,000 mg/kg TPH were reported in SB-4, SB-5, and SB-8 from the initial assessment on July 3, 2013. Following impacted soil removal from the misted area northwest of the containment area on July 10, 2013, field screening of confirmation composite samples SC-1 and SC-2 showed VOCs below the NMOCD action level, and laboratory analytical results showed TPH concentrations below the 1,000 mg/kg action level for both samples. Additional soil borings inside the steel wall containment areas (SB-11 and SB-13) indicated possible impact to the soil beneath the spray-on liner.

Removal of the spray-on liner on July 24, 2013, confirmed impact to the soils beneath the liner. Impacted soils were removed using a hydro-excavator to competent sandy shale and sandstone in the impacted areas between the two condensate tanks (south of the eastern tank toward the BGT) and along the steel wall footers on the north and west sides of the steel containment. Soil samples (SC-5 through SC-8) from the final excavation were collected, and field screening results above the NMOCD action level of 100 ppm were reported in SC-5 (247 ppm), SC-6 (119 ppm), and SC-8 (153 ppm). Additionally, laboratory analytical results reported TPH as GRO/DRO/MRO concentrations exceeding the NMOCD action level of 1,000 mg/kg in SC-5 through SC-8, with the highest concentration of 12,690 mg/kg in SC-6. Further excavation was limited by the competent sandy shale and sandstone as well as by the presence of facility equipment. On August 14, 2013, 500 gallons of Micro-Blaze® was applied to the excavation by Envirotech prior to backfill with clean, imported fill.

Based on the field screening and laboratory analytical results for VOCs, TPH, benzene, and total BTEX, further action is recommended for the Ballard Compressor Station condensate tank release location during future facility reset or closure operations, when access to residual petroleum hydrocarbon impacted soils is possible. If you have any questions about this report or site conditions, please do not hesitate to contact me at (505) 564-2281.

Sincerely,

Aleather M. Woods

Heather M. Woods, P.G. Project Manager

Thomas Long Ballard Compressor Station Condensate Tank Release Assessment Report December 9, 2013 Page 6 of 6

Elizabeth & Mendly

Elizabeth McNally, P.E.

### Attachments:

# Tables

- Table 1. Summary of Field Screening Results
- Table 2. Summary of Laboratory Analytical Results

# Figures

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map

- Figure 3. Initial Release Assessment Sample Locations and Results, July 2013
- Figure 4. Continued Assessment Sample Locations and Results, July and August 2013

# Appendices

- Appendix A. Photograph Log
- Appendix B. Bills of Lading (Envirotech 44071, 44122, 44263, 44313, and 44339)
- Appendix C. Laboratory Analytical Reports (Hall 1307218, 1307611, and 1308128)

R:\Animas 2000\Dropbox\2013 Projects\Enterprise\Ballard Condensate Tank\Ballard Compressor Station Tanks Initial Release Assessment and Final Excavation Report 120913.docx

# TABLE 1: SUMMARY OF FIELD SCREENING RESULTS Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release San Juan County, New Mexico

Sample	Date		OVM - PID	Field TPH	Field TPH Analysis	TPH PQL		TPH Analysts				
ID	Sampled	Depth (ft)	(ppm)	(mg/kg)	Time	(mg/kg)	DF	Initials				
S	ample Met				EPA N	lethod 418.	1	1				
NN	10CD Action	n Level	100			1,000						
SB-1	3-Jul-13	0.5	15.5	Not Analyzed for TPH								
SB-2	3-Jul-13	1	4.7	Not Analyzed for TPH								
SB-3	3-Jul-13	1	24.5		Not An	alyzed for T	РН					
_		0.5	1,497		Not An	alyzed for Ti	PH					
SB-4	3-Jul-13	1.5	24.9		Not An	alyzed for T	РН					
30-4	2-101-12	3	4.7		Not An	alyzed for Ti	РН	•				
		3.5	134		Not An	alyzed for Ti	РН					
_		0.5	433		Not An	alyzed for T	PH					
SB-5	3-Jul-13	1.5	7.5		Not An	alyzed for T	PH					
		3	3.5		Not An	alyzed for T	PH					
SB-6	3-Jul-13	1	5.5		Not An	alyzed for T	PH					
30-0	5-Jul-15	2.5	5.0	Not Analyzed for TPH								
SB-7	3-Jul-13	0.5	2.1	Not Analyzed for TPH								
SB-8	3-Jul-13	Surface	474	Not Analyzed for TPH								
50-0	2-101-12	0.5	349	Not Analyzed for TPH								
SB-9	3-Jul-13	0.5	51.3		Not An	alyzed for Ti	PH					
SB-10	3-Jul-13	0.5	17.3		Not An	alyzed for T	PH					
SB-11	12-Jul-13	1	0.1	558	10:53	20.0	1	KC				
50-11	12-301-13	2	0.0	91.8	12:04	20.0	1	КС				
SB-12	12-Jul-13	1	64.5	1,250	10:55	20.0	1	КС				
50-12	12-301-13	2	0.5	86.1	12:09	20.0	1	КС				
		1	1.1	311	10:57	20.0	1	КС				
SB-13	12-Jul-13	2	0.0	120	12:11	20.0	1	КС				
<u></u>		3	0.0		Not An	alyzed for T	PH					
		1	1,340	>2,500	10:59	20.0	1	КС				
SB-14	12-Jul-13	2	14.2		Not An	alyzed for T	PH					
		4	0.0	80.4	12:07	20.0	1	КС				
SB-15	12-Jul-13	1	2.5	94.7	11:22	20.0	1	HW				
SB-16	12-Jul-13	1	1.4	66.2 11:24 20.0 1 HW								
SB-17	12-Jul-13	1	0.3									
SB-18	24-Jul-13	0.25	260	>5,000	15:01	40.0	1	HW				
	24 JUI-13	0.75	110	5,040	15:36	40.0	1	НW				
SB-19	24-Jul-13	0.5	335									
		1.5	215	>5,000 15:39 40.0 1 HW								

# TABLE 1: SUMMARY OF FIELD SCREENING RESULTS Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release San Juan County, New Mexico

Sample ID	Date Sampled	Depth (ft)	OVM - PID (ppm)	Field TPH (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials				
S	ample Met	hod		EPA Method 418.1								
NM	IOCD Action	Level	100	1,000								
SC-1	12-Jul-13	0 to 0.5	0.0	166	12:15	20.0	1	KC				
SC-2	12-Jul-13	0 to 0.5	0.0	107	12:17	20.0	1	KC				
SC-3	24-Jul-13	0.25	285	>5,000	15:39	40.0	1	HW				
SC-4	24-Jul-13	0.25	164	>5,000	15:41	40.0	1	HW				
SC-5	2-Aug-13	1 to 6	247		Not An	alyzed for T	PH					
SC-6	2-Aug-13	0.5 to 1.25	119	Not Analyzed for TPH								
SC-7	2-Aug-13	0.25 to 0.75	92.1		Not An	alyzed for T	РН					
SC-8	2-Aug-13	0.25 to 0.5	153		Not An	alyzed for T	РН					

Notes: DF - Dilution factor

Analysts:

PQL - Not detected at the reporting limit

> - Analyte detected above the listed method limit

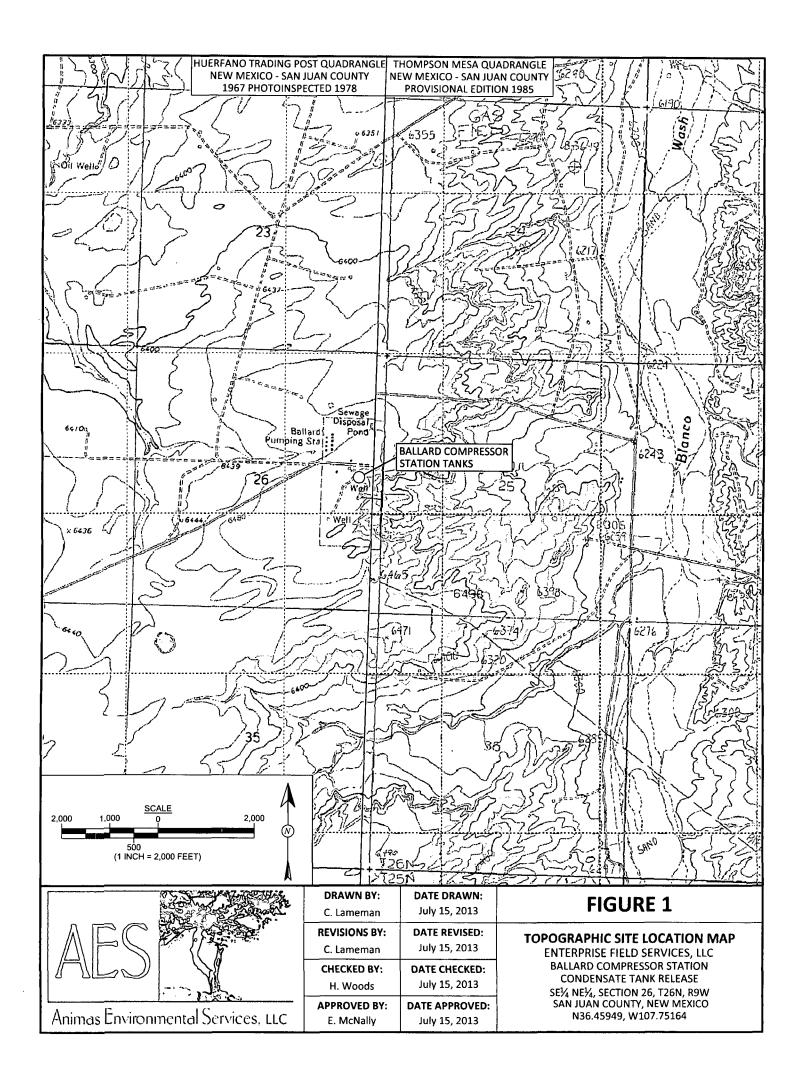
Aleather & Woods Lebang Christian

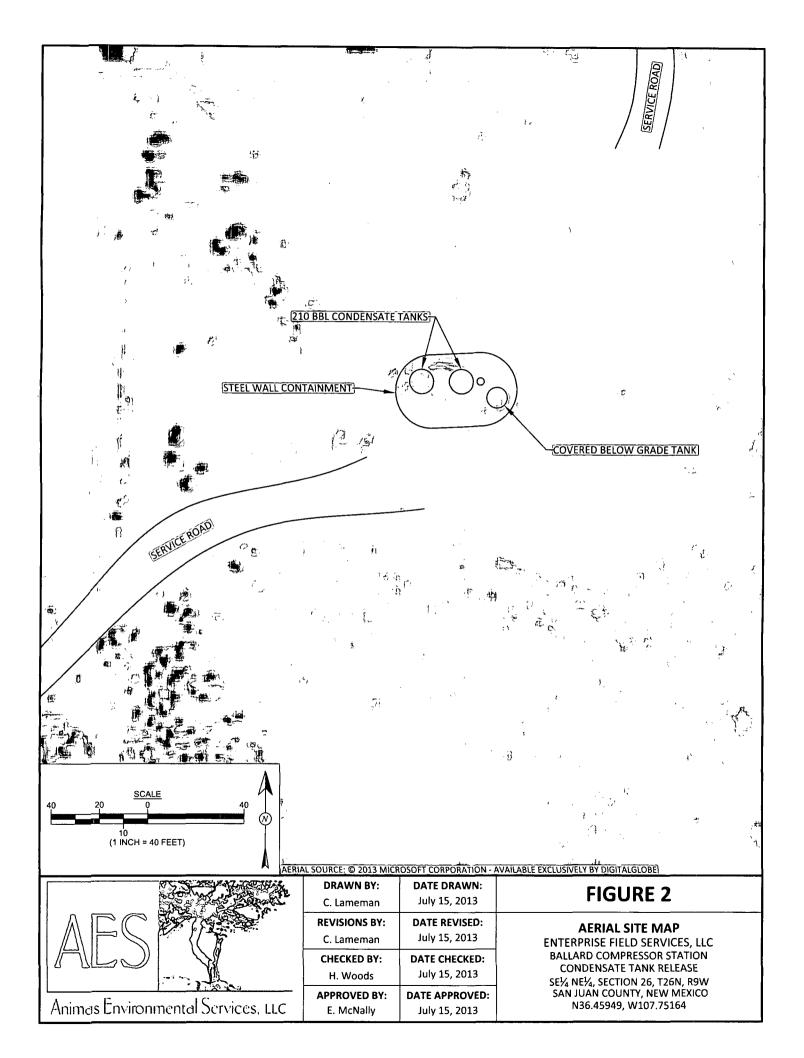
### TABLE 2: SUMMARY OF LABORATORY ANALYTICAL RESULTS Enterprise Field Services, LLC Ballard Compressor Station Condensate Tank Release San Juan County, New Mexico

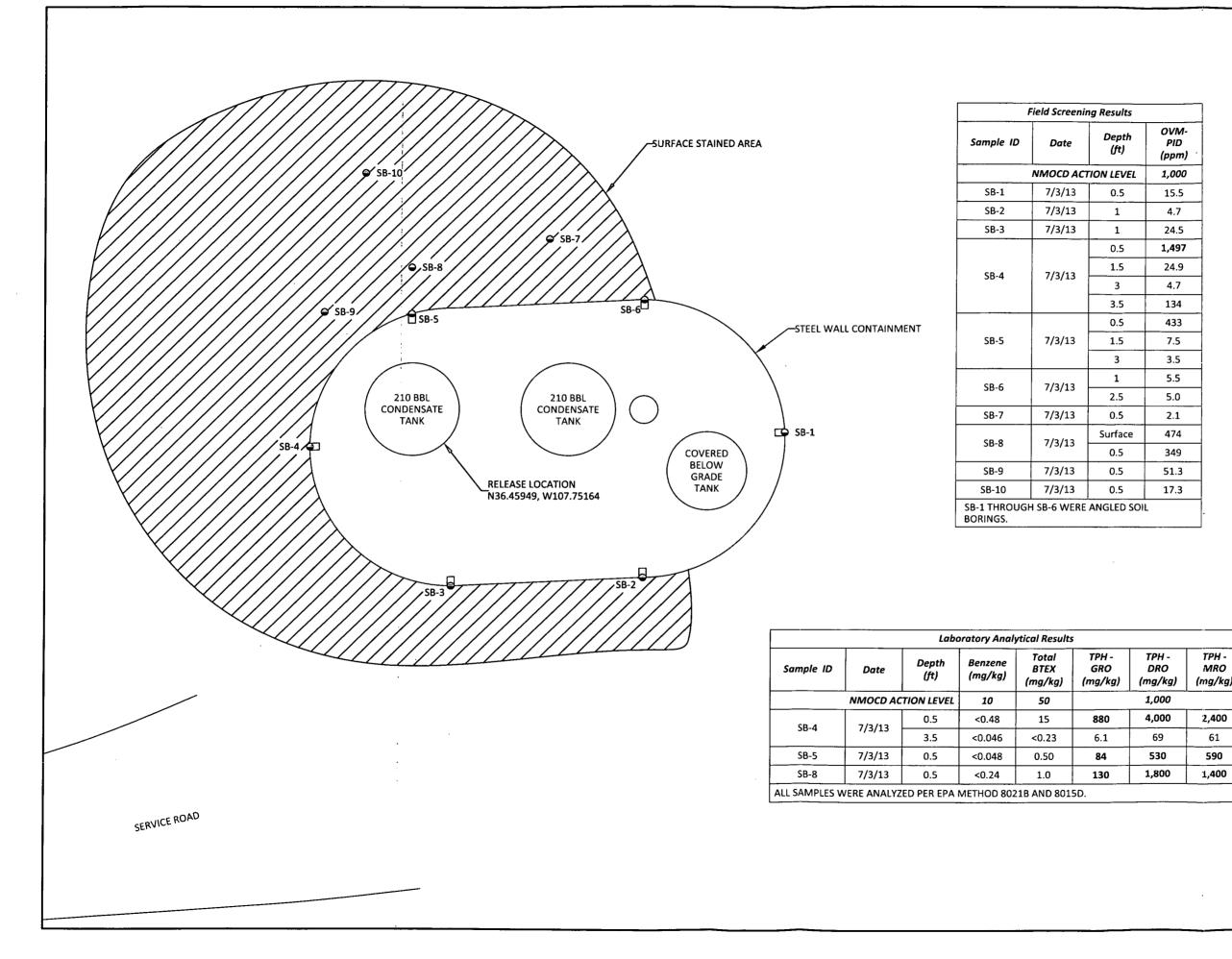
Sample ID	Date Sampled	Depth (ft)	Benzene mg/kg	Total BTEX mg/kg	TPH - GRO mg/kg	TPH - DRO mg/kg	TPH - MRO mg/kg	
Sample ID Sample Depth (1)				A Method 8021B EPA Method 8015D				
NMOCD Action Level			10	50	1,000			
CD 4	3-Jul-13	0.5	<0.48	15	880	4,000	2,400	
SB-4		3.5	<0.046	<0.23	6.1	69	61	
SB-5	3-Jul-13	0.5	<0.048	0.5	84	530	590	
SB-8	3-Jul-13	0.5	<0.24	1.0	130	1,800	1,400	
SB-11	12-Jul-13	1	NA	NA	<4.6	15	57	
SB-13	12 Jul 12	1	NA	NA	<4.6	<10	130	
28-12	12-Jul-13	2	NA	NA	<4.8	<9.9	86	
SC-1	12-Jul-13	0 to 0.5	NA	NA	<4.8	<10	<50	
SC-2	12-Jul-13	0 to 0.5	NA	NA	<4.8	<10	<50	
SC-5	2-Aug-13	1 to 6	NA	NA	800	3,400	1,600	
SC-6	2-Aug-13	0.5 to 1.25	NA	NA	790 8,000		3,900	
SC-7	2-Aug-13	0.25 to 0.75	NA	NA	1,200 6,900		3,300	
SC-8	2-Aug-13	0.25 to 0.5	NA	NA	600	2,600	1,600	

Notes: NA - Not Analyzed

< - Analyte not detected above the listed method limit</p>







	LOCATIONS A JULY ENTERPRISE FIEL BALLARD COMPI CONDENSATE SE¼ NE¼, SECTIC SAN JUAN COUN N36.45949, 1	AND RE 2013 D SERVI RESSOR S TANK RE DN 26, T2 ITY, NEW
	AES	
-	Animas Environme DRAWN BY:	ntal Se
-	C. Lameman	ut
	REVISIONS BY: C. Lameman	DA Ju
_	CHECKED BY: H. Woods	DAT Ju
	APPROVED BY: E. McNally	DATI Ju
_	LEG	END
TPH - MRO (mg/kg)		
2,400		
61		
590		
1,400	/	1
	10 6 SC/	ALE
•		

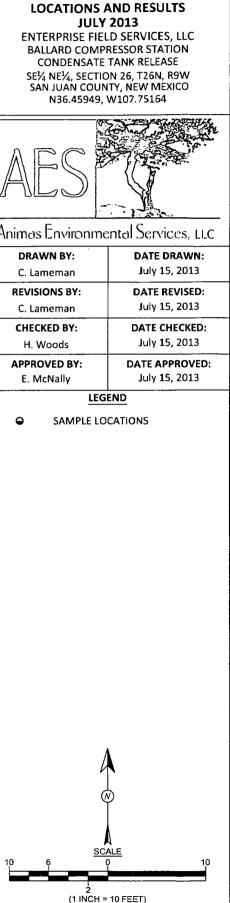
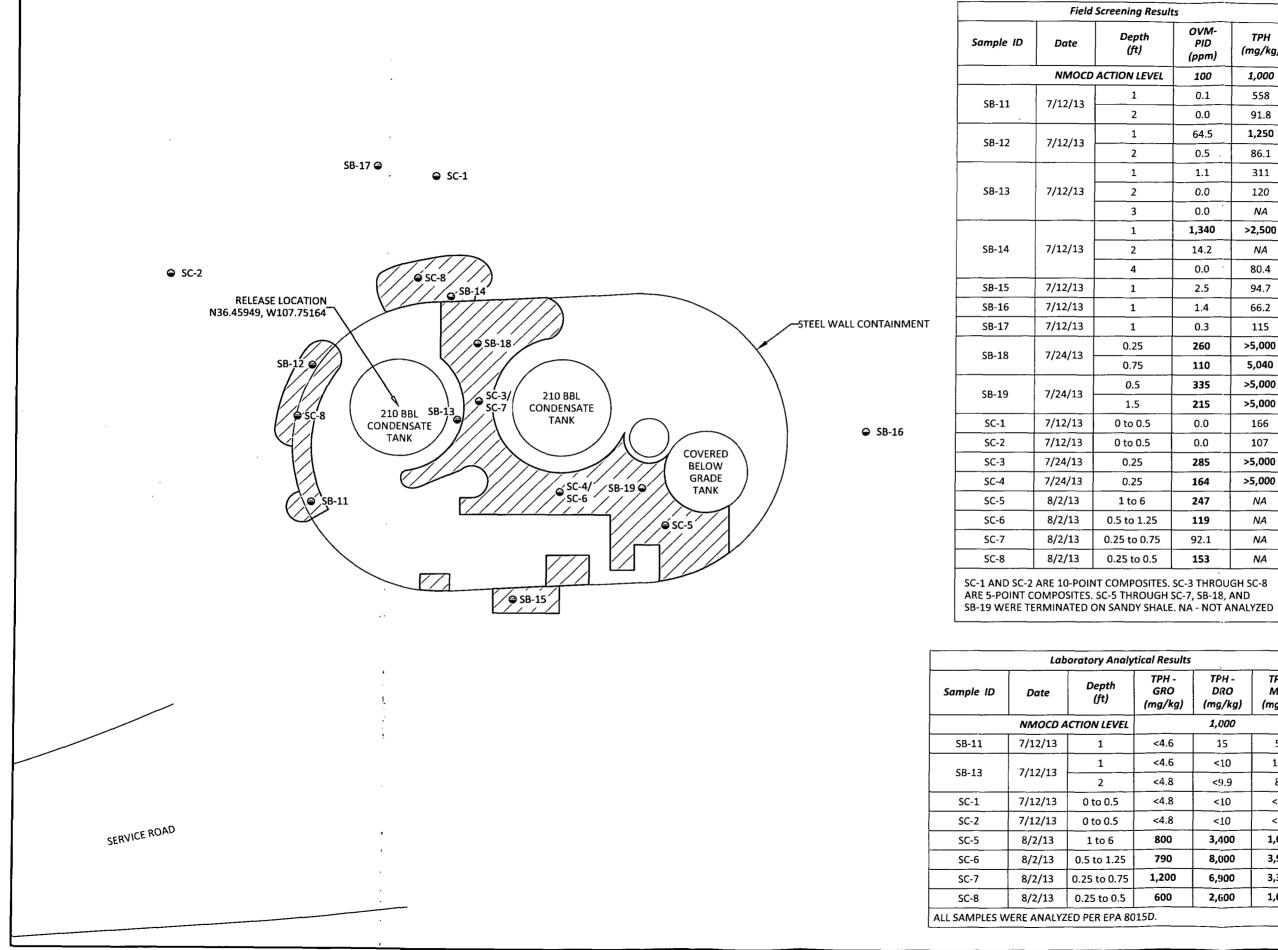


FIGURE 3

INITIAL ASSESSMENT SAMPLE

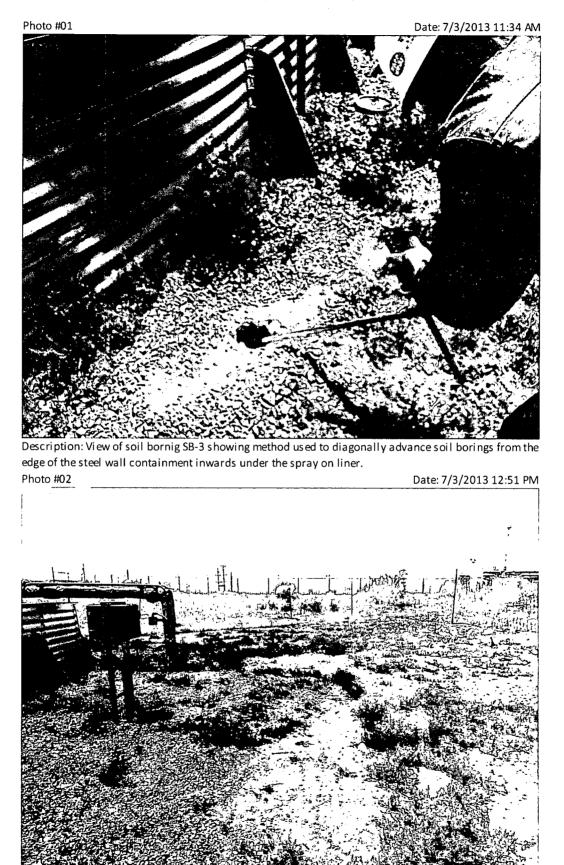


lts						
	OVM- PID (ppm)	TPH (mg/kg)				
	100	1,000				
	0.1	558				
	0.0	91.8				
	64.5	1,250				
Γ	0.5	86.1				
	1.1	311				
	0.0	120				
T	0.0	NA				
T	1,340	>2,500				
T	14.2	NA				
Τ	0.0	80.4				
T	2.5	94.7				
T	1.4	66.2				
T	0.3	115				
T	260	>5,000				
1	110	5,040				
1	335	>5,000				
t	215	>5,000				
T	0.0	166				
T	0.0	107				
Γ	285	>5,000				
T	164	>5,000				
T	247	NA				
t	119	NA				
ſ	92.1	NA				
1-	153	NA				

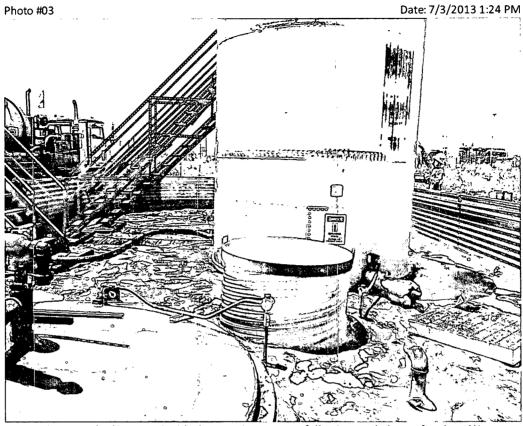
H - 10 /kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)			
	1,000				
.6	15	57			
.6	<10	130			
.8	<9.9	86			
.8	<10	<50			
.8	<10	<50			
0	3,400	1,600			
90	8,000	3,900			
00	6,900	3,300			
0	2,600	1,600			

FIGU	IRE 4					
CONTINUED ASSESSMENT SAMPLE LOCATIONS AND RESULTS JULY AND AUGUST 2013 ENTERPRISE FIELD SERVICES, LLC BALLARD COMPRESSOR STATION CONDENSATE TANK RELEASE SE¼ NE¼, SECTION 26, T26N, R9W SAN JUAN COUNTY, NEW MEXICO N36.45949, W107.75164						
AES Animas Environme	ental Services, LLC					
DRAWN BY:	DATE DRAWN: July 15, 2013					
C. Lameman REVISIONS BY:	DATE REVISED:					
C. Lameman	July 15, 2013					
CHECKED BY: H. Woods	DATE CHECKED: July 15, 2013					
E. McNally	DATE APPROVED: July 15, 2013					
LEG						
	LE LOCATIONS /ATION AREAS					
$\frac{SCALE}{2}$ 10 6 10 (1 INCH = 10 FEET)						

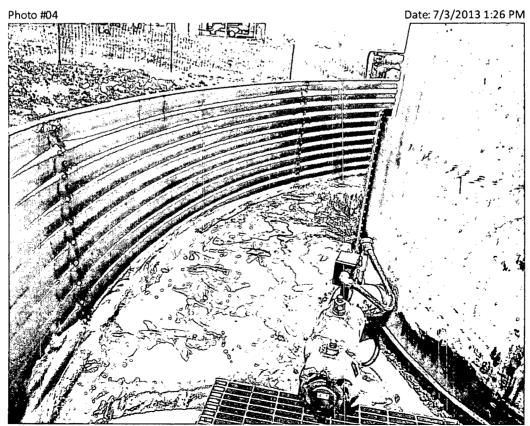
Project: Ballard Compressor Station Condensate Tank Release



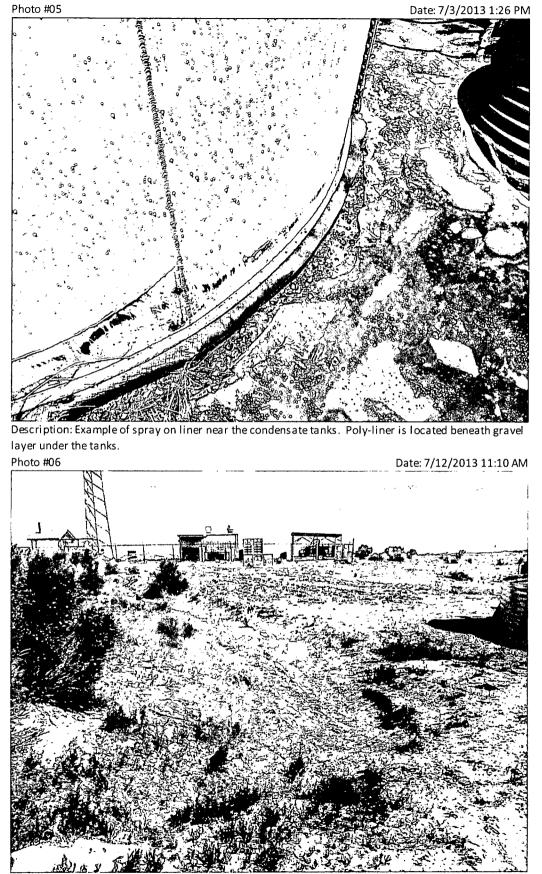
Description: View looking west of misted area outside of the steel wall containment.



Description: View looking west inside the containment area following wash down of tank and liner.



Description: View looking north of west tank and liner.

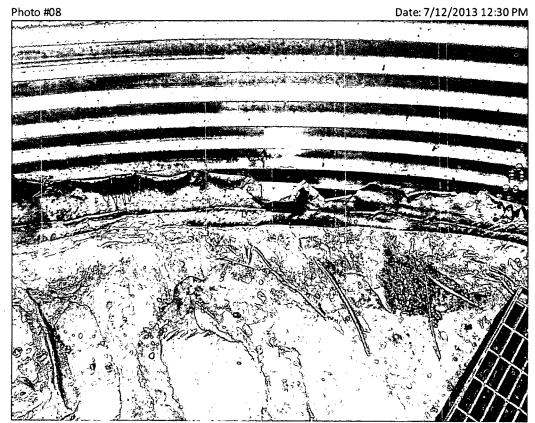


Description: View looking north of misted area after clean up.

### Project: Ballard Compressor Station Condensate Tank Release



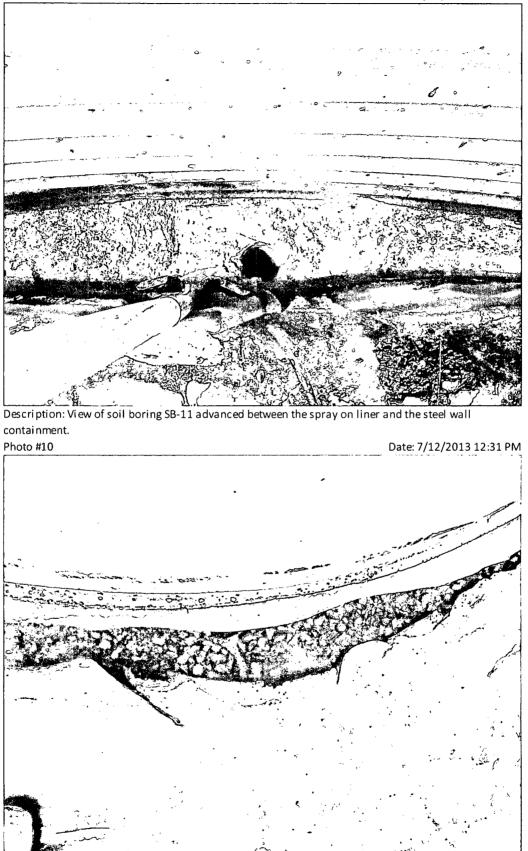
Description: View of soil boring SB-13 and cut made into liner near western tank.



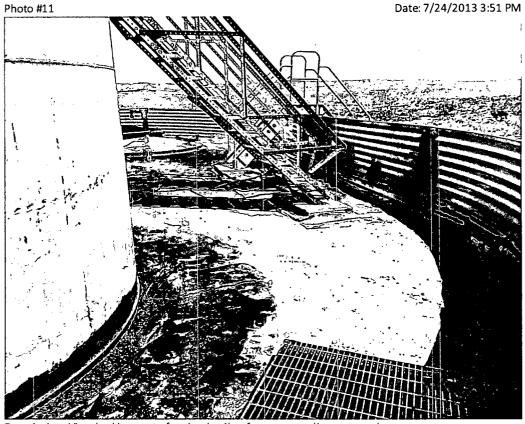
Description: View of spray on liner detachment from steel wall containment along western wall.



Date: 7/12/2013 12:30 PM



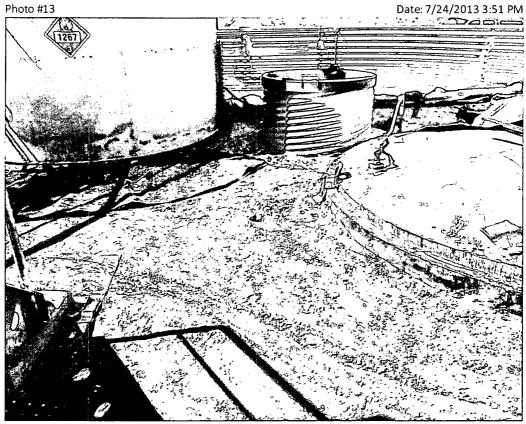
Description: Example of poly-liner beneath gravel layer under the condensate tanks.



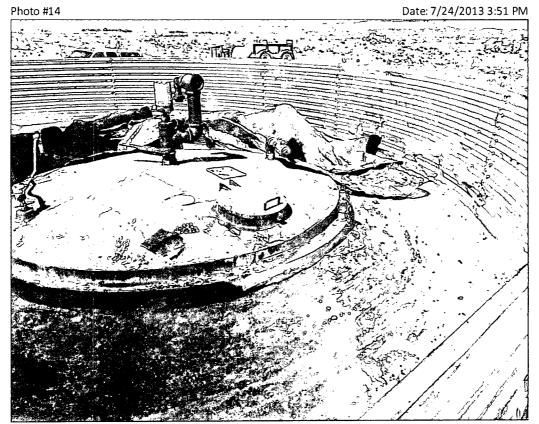
Description: View looking east of stained soils after spray on liner removal.



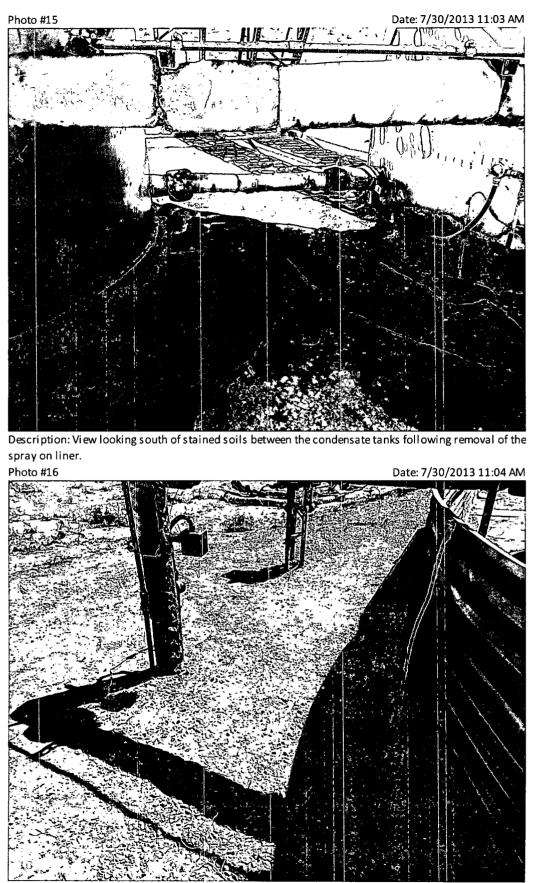
Description: View looking northeast of stained soils between condensate tanks after spray on liner removal.



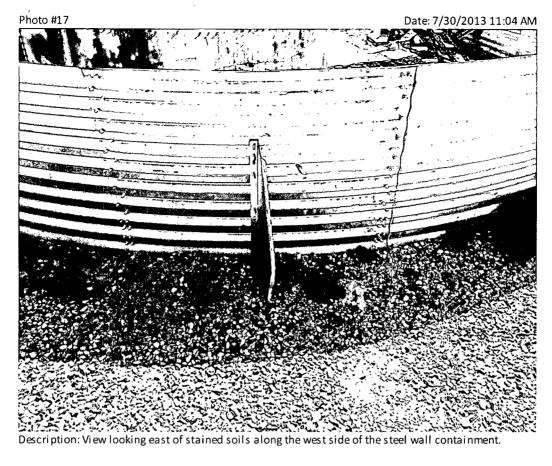
Description: View looking north of stained soils after spray on liner removal.

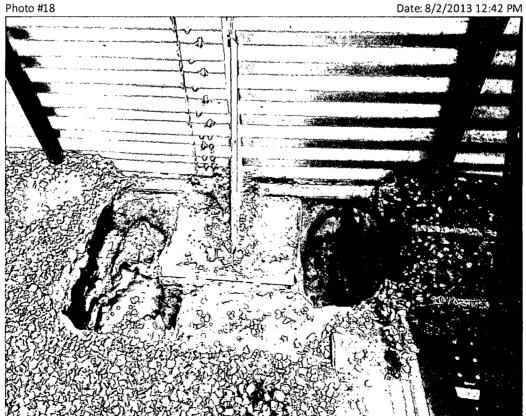


Description: View looking northeast of stained soils following removal of spray on liner.



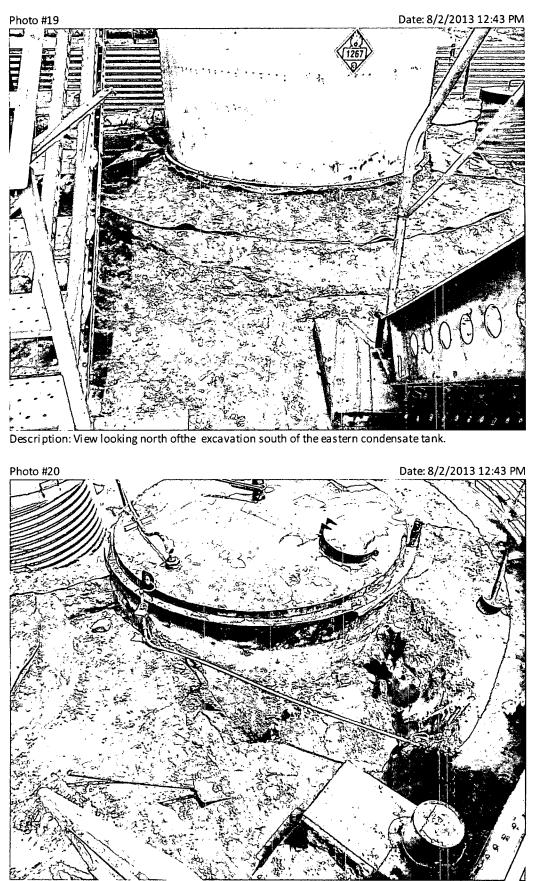
Description: View looking east of stained soils along the north side of the steel wall containment.



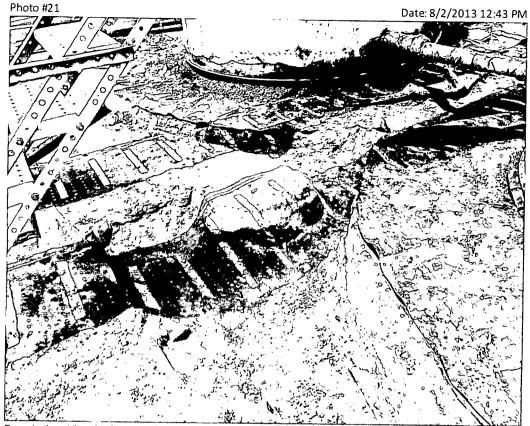


Description: View looking north of excavation at soil boring location SB-15 along the south side of the steel wall containment.

Animas Environmental Services, LLC



Description: View looking northeast of the excavation southwest of the below grade tank.



Description: View looking northwest of the excavation between the condensate tanks.



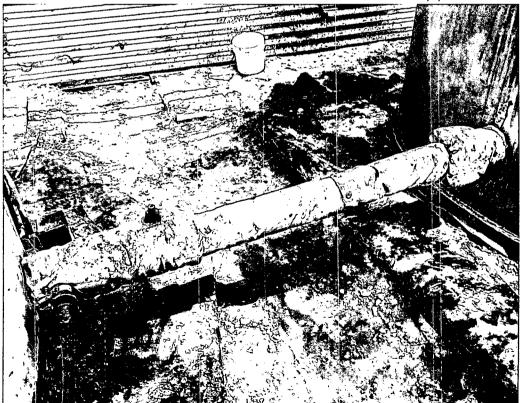
Description: View looking northeast of the excavation between the condensate tanks.



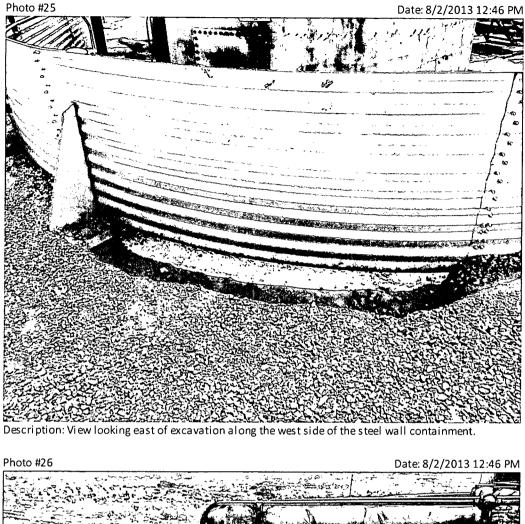
Description: View looking northwest of excavation extending from the western condensate tank west and north to the steel wall containment.



Date: 8/2/2013 12:44 PM

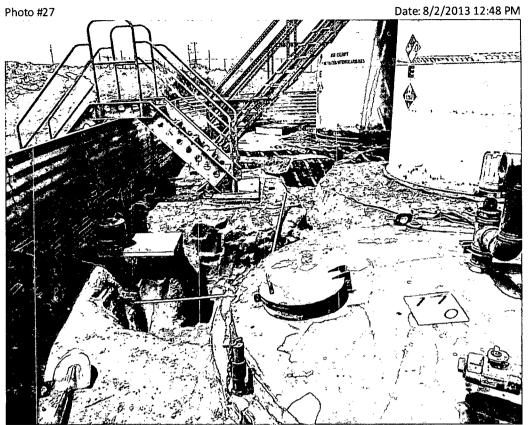


Description: View looking northeast of excavation between the two condensate tanks extending north along the steel wall containment.





Description: View looking east of excavation along the north side of the steel wall containment.



Description: View looking west of excavation area inside the steel wall containment.



# Bill of Lading

MANIFEST # ____44071 JOB # TD DATE 7-3-13

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

LOAD	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPO	DRTING COMPANY TRK# TIME DRIVER SIGNATURE			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Enterprise Byllord Condensates	LFT	Can K Bottomy	CIG	<	25	Riloy	19010	16:47	Helfrey Selatand	
	Hank	LFI	Washout	Ċ19	_	5	<i>cl</i>	190/0	16.47	Buffey Selevard	
					-	20	· · · · · · · · · · · · · · · · · · ·			u o .	
						PC	<b>/</b>				
							,,,,,,,,,,,,,,,,,,,,	,			
							7				
RESULTS:					NOTES:						
242		EMPLOYEE:	Konte	Sill	Þ	Ŧ		<u> </u>			
	PAINT FILTER TEST	Certifi	cation of above receival & placement								
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.											
TRANSPORTER CO. BILLY Ind. Ser. NAME Geoffrey Woolard SIGNATURE Lever Bull Mephearson PHONE (505)327-4947 DATE 7-3-18											
COMPANY CONTACT BILL MSPHEARSON PHONE (505) 327-4947 DATE 7-3-13											

Signatures required prior to distribution of the legal document.



MANIFEST # _____44122

DATE 7-10 -13

JOB # 1.05 -05

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

LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	INT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
7	ENTRAPPISC BAILARD CONDENSATE TANK	CFIL	CURA Soiz	BB-2	3	-	OFt	57	14:0/2	Alm
				-		+				<u> </u>
					0					
										i
						$\sum$				
RESULT -2912	S: CHLORIDE TEST	LANDFARM	Dave			<i>P</i>	PNOTES:		L	
	PAINT FILTER TEST	Certifi	cation of above re	eceival & pla	cement					
By signin mentione	g as the driver/transporter, I d Generator/Point of Origin a	certify the material and that no addition	hauled from the hal material has b	above locati een added d	on has not or mixed int	been ade to the loa	ded to or tampered d.	with. I ce	ertify the	material is from the above
	DRTER CO. OFT ( Y CONTACT OFT CC							ff -	2	
COMPAN	Y CONTACT OFT CO	2. Roland	PHONE	5053	2061	58	DATE	=10-1	13	

Signatures required prior to distribution of the legal document.



MANIFEST # _____44263

DATE 7-24-13 JOB # 17057-0572

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

LOAD	COMF	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSPO	ORTING	COMPAN	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Entre PRISE BANARD Compensate fank	BF	tank Bothens			5	Ritey	14010	16:50	amend
2	4 1/	6 1	wash out			5	Riley	19010		Jenerthan
[					~		/			
						10				
			<u> </u>				······································			
ļ							· · · · · · · · · · · · · · · · · · ·			
						, / )				
RESULT		LANDFARM EMPLOYEE:		. 1		$\psi$	NOTES:			
DIC	PAINT FILTER TEST		cation of above rea	17	cement					
By signing	g as the driver/transporter, I d	certify the material	hauled from the a	bove locatio	on has not	been add	ted to or tampered	with. Toe	rtify the	material is from the above
	d Generator/Point of Origin a	nd that no additior	ì,			)			hure	
	RTER CO. Kiley	n)ev	NAME	DAME	21)-9U	291		$\sim$	CUYVEL 3	Meage
	CONTACT <u>Lev</u> <u>(Gi</u> s required prior to distribution					<u> </u>	DATE	cy L	<u>ر</u>	



MANIFEST # <u>44313</u> DATE <u>7-30-13</u> JOB # <u>11057-0572</u>

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

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	ORTING	COMPAN	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Entil PLASC BAUARD Banefil Copper Station	LEAF	Hort Cart	AA-5		80	Riler	18184	17:40	TH_
	conpensato tranks		WASHOUT	AA-5	~	5	Riey	18084	17:40	57
					-	5-				
				<b>p</b> >						
						11				
RESULT	S: CHLORIDE TEST	Dave	P	NOTES:						
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
By signing mentione	g as the driver/transporter, I d d Generator/Point of Origin a	certify the material nd that no additior	hauled from the a nal material has be	bove location	on has not r-mixed int	been add o the loa	ded to or tampered d.	with. I ce	ertify the	material is from the above
TRANSPORTER CO. Riley NAMES, EVEN D. SIGNATURE									12	
By signing as the driver/transporter, if certify the material hadred from the above location has hot been added to or tampered with. If certify the material has been added or mixed into the load.         TRANSPORTER CO.       Image: Added to or tampered with the material has been added or mixed into the load.         TRANSPORTER CO.       Image: Added to or tampered with the material has been added or mixed into the load.         COMPANY CONTACT_KeN       Image: Added to or tampered with the material has been added to or mixed into the load.         COMPANY CONTACT_KeN       Image: Added to or tampered with the load.         Signatures required prior to distribution of the legal document.       Date 2-30-13										



MANIFEST # _______ 44339 DATE _______ JOB # 1051-0572____

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

LOAD		(	COMF	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	RTING	COMPAN	14
NO.	POINT C		N	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Boland		)	LFI	CON:T SOIL	AA.5		40	Riley 18	1084	132	S SE
	Station						-		- /			
		· · · · · · · · · · · · · · · · · · ·						40				
<u> </u>												
				u								
										······		
							- <u></u>					
			_									
								$  \cap$	<u>ب</u>			
RESULT				LANDFARM	$\Lambda$	Λ.		T	NOTES:			
-412		DE TEST   EMPLOYEE: Gay Polinson 4										
	PAINT FILTE				cation of above re							
				certify the material pd that no additior						with. I ce	ertify the	material is from the above
	RTER CO.	ノハレ	Ž								8	$\sim$
						TEUN				-2-	-13	
Signature	s required priv	or to distr	ibutio	n of the legal docu	ment							

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

August 02, 2013

Ross Kennemer Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 486-1776 FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station Tanks

OrderNo.: 1307218

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 4 sample(s) on 7/5/2013 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued July 11, 2013.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Enterprise Ballard Compressor Station T

**CLIENT:** Animas Environmental Services

**Project:** 

 Date Reported: 8/2/2013

 Client Sample ID: SB-4 @ 0.5

 Collection Date: 7/3/2013 12:14:00 PM

Lab ID: 1307218-001	Matrix: S	SOIL		Received I	<b>Date:</b> 7/5	/2013 10:00:00 AM	
Analyses	Result	RL (	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	4000	99		mg/Kg	10	7/9/2013 1:35:38 PM	8241
Motor Oil Range Organics (MRO)	2400	500		mg/Kg	10	7/9/2013 1:35:38 PM	8241
Surr: DNOP	0	63-147	s	%REC	10	7/9/2013 1:35:38 PM	8241
EPA METHOD 8015D: GASOLINE RA	ANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	880	48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Surr: BFB	668	80-120	s	%REC	10	7/9/2013 6:24:01 PM	8263
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Toluene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Ethylbenzene	ND	0.48		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Xylenes, Total	15	0.96		mg/Kg	10	7/9/2013 6:24:01 PM	8263
Surr: 4-Bromofluorobenzene	125	80-120	s	%REC	10	7/9/2013 6:24:01 PM	8263

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 1307218

Date Reported: 8/2/2013

-----

CLIENT:	Animas Environmental Service	es	0	Client Sample	e ID: SB-4 @ 3.5
Project:	Enterprise Ballard Compresso	r Station T		Collection E	Date: 7/3/2013 12:25:00 PM
Lab ID:	1307218-002	Matrix:	SOIL	Received <b>E</b>	Date: 7/5/2013 10:00:00 AM
Analyses		Result	RL Qual	Units	DF Date Analyzed

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	E ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	69	9.9		mg/Kg	1	7/9/2013 5:10:39 PM	8241
Motor Oil Range Organics (MRO)	61	50		mg/Kg	1	7/9/2013 5:10:39 PM	8241
Surr: DNOP	92.5	63-147		%REC	1	7/9/2013 5:10:39 PM	8241
EPA METHOD 8015D: GASOLINE RAI	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	6.1	4.6		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Surr: BFB	130	80-120	s	%REC	1	7/9/2013 12:40:12 PM	8263
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Toluene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Ethylbenzene	ND	0.046		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Xylenes, Total	ND	0.093		mg/Kg	1	7/9/2013 12:40:12 PM	8263
Surr: 4-Bromofluorobenzene	97.8	80-120		%REC	1	7/9/2013 12:40:12 PM	8263

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

*	Value exceeds Maximum Contaminant Level.
Е	Value above quantitation range
ĩ	Analyte detected below quantitation limits
0	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits
	Г Ј Е

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 2 of 7
- Sample pH greater than 2 for VOA and TOC only. Р
- RL Reporting Detection Limit

Date Reported: 8/2/2013

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Serva Project: Enterprise Ballard Compress			C	lient Sampl Collection 1		-5 @ 0.5 /2013 12:35:00 PM				
Lab ID: 1307218-003	Matrix: SOIL			Received Date: 7/5/2013 10:00:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analys	t: JME			
Diesel Range Organics (DRO)	530	100		mg/Kg	10	7/9/2013 3:07:28 PM	8241			
Motor Oil Range Organics (MRO)	590	500		mg/Kg	10	7/9/2013 3:07:28 PM	8241			
Surr: DNOP	0	63-147	S	%REC	10	7/9/2013 3:07:28 PM	8241			
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: NSB			
Gasoline Range Organics (GRO)	84	4.8		mg/Kg	1	7/9/2013 1:08:45 PM	8263			
Surr: BFB	621	80-120	S	%REC	1	7/9/2013 1:08:45 PM	8263			
EPA METHOD 8021B: VOLATILES						Analys	t: NSB			
Benzene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263			
Toluene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263			
Ethylbenzene	ND	0.048		mg/Kg	1	7/9/2013 1:08:45 PM	8263			
Xylenes, Total	0.50	0.095		mg/Kg	1	7/9/2013 1:08:45 PM	8263			
Surr: 4-Bromofluorobenzene	122	80-120	S	%REC	1	7/9/2013 1:08:45 PM	8263			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analy
	E	Value above quantitation range	Н	Holdi
	J	Analyte detected below quantitation limits	ND	Not D
	0	RSD is greater than RSDlimit	Р	Samp
	R	RPD outside accepted recovery limits	RL	Repor

- lyte detected in the associated Method Blank
- ling times for preparation or analysis exceeded
- Detected at the Reporting Limit Detected at the Reporting Limit Page 3 of 7 ple pH greater than 2 for VOA and TOC only.
- orting Detection Limit

Date Reported: 8/2/2013

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental ServicesProject: Enterprise Ballard Compressor Station TLab ID: 1307218-004Matrix: SOIL

Client Sample ID: SB-8 @ 0.5 Collection Date: 7/3/2013 1:02:00 PM Received Date: 7/5/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	1800	100		mg/Kg	10	7/9/2013 4:09:08 PM	8241
Motor Oil Range Organics (MRO)	1400	500		mg/Kg	10	7/9/2013 4:09:08 PM	8241
Surr: DNOP	0	63-147	S	%REC	10	7/9/2013 4:09:08 PM	8241
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	130	24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Surr: BFB	245	80-120	S	%REC	5	7/9/2013 1:37:24 PM	8263
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Toluene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Ethylbenzene	ND	0.24		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Xylenes, Total	1.0	0.48		mg/Kg	5	7/9/2013 1:37:24 PM	8263
Surr: 4-Bromofluorobenzene	105	80-120		%REC	5	7/9/2013 1:37:24 PM	8263

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

Qualifiers:

*

- E Value above quantitation range
- J Analyte detected below quantitation limits

Value exceeds Maximum Contaminant Level.

- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 4 of 7
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

WO#:	1307218

	Environmer se Ballard (			Tanks						
Sample ID MB-8241	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (	Organics	
Client ID: PBS	Batch	n ID: 82	41	F	RunNo: 1	1802				
Prep Date: 7/5/2013	Analysis D	ate: 7/	9/2013	S	BeqNo: 3	35329	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.0		10.00		70.0	63	147			
Sample ID LCS-8241	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Drganics	
Client ID: LCSS	Batch	n ID: 82	41	F	RunNo: 1	1802				
Prep Date: 7/5/2013	Analysis D	ate: <b>7</b> /	9/2013	5	SeqNo: 3	35513	Units: <b>mg/H</b>	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	' 50.00	0	109	77.1	128			
Surr: DNOP	4.1		5.000		82.8	63	147			

#### Qualifiers:

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

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

Qual

2.49

0

156

120

17.7

0

S

RPDLimit

	as Environme orise Ballard (			n Tanks					
Sample ID MB-8263	Sampi	Гуре: МІ	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e
Client ID: PBS	Batc	h ID: 82	63	F	RunNo: 1	1819			
Prep Date: 7/8/2013	Analysis D	Date: 7/	/9/2013	S	SeqNo: 3	35955	Units: <b>mg/</b>	ζg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	F
Gasoline Range Organics (GRO)	ND	5.0							

31

1100

4.6

23.17

926.8

Gasoline Range Organics (GRO) Surr: BFB	ND 910	5.0	1000		91.5	80	120		· · · · · · · · · · · · · · · · · · ·	
Sample ID LCS-8263	SampTy	/pe: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch	ID: 82	63	F	RunNo: 1	1819				
Prep Date: 7/8/2013	Analysis Da	ate: <b>7</b> /	9/2013	S	SeqNo: 3	35956	Units: <b>mg/</b>	ίg		
Analyte	Result	PQL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	62.6	136			
Surr: BFB	970		1000		96.5	80	120			
Sample ID 1307218-002AMS	SampTy	/pe: MS	;	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: SB-4 @ 3.5	Batch	ID: 82	63	R	RunNo: 1	1819				
Prep Date: 7/8/2013	Analysis Da	ate: <b>7</b> /	9/2013	S	SeqNo: 3	35959	Units: <b>mg/H</b>	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	4.6	23.17	6.115	112	76	156			
Surr: BFB	1200		926.8		129	80	120			S
Sample ID 1307218-002AMS	<b>D</b> SampTy	/pe: MS	5D	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: SB-4 @ 3.5	Batch	ID: 82	63	R	RunNo: <b>1</b>	1819				
Prep Date: 7/8/2013	Analysis Da	ate: 7/	9/2013	S	SeqNo: 3	35960	Units: <b>mg/</b>	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

6.115

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Е Value above quantitation range

Gasoline Range Organics (GRO)

Surr: BFB

- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н

76

80

108

123

- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit RL

Client:	Animas E										
Project:	Enterprise	e Ballard (	Compre	ssor Station	Tanks						
Sample ID	MB-8263	SampT	ype: Mi	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batch	n ID: <b>82</b>	63	F	RunNo: <b>1</b> '	1819				
Prep Date:	7/8/2013	Analysis D	Date: 7/	9/2013	5	SeqNo: 3	36005	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.95		1.000		95.1	80	120			
Sample ID	LCS-8263	Sampī	ype: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batch	h ID: 82	63	F	RunNo: 1	1819				
Prep Date:	7/8/2013	Analysis D	Date: 7/	/9/2013	5	SeqNo: 3	36006	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	100	80	120			
Toluene		1.0	0.050	1.000	0	101	80	120			
Ethylbenzene		1.0	0.050	1.000	0	100	80	120			
Xylenes, Total		3.0	0.10	3.000	0	101	80	120			
-	ofluorobenzene	1.0		1.000		101	80	120			
Sample ID	1307218-003AMS	SampT	ype: M	S	Tes	tCode: El	PA Method	8021B: Vola	tiles	<u> </u>	
Client ID:	SB-5 @ 0.5	Batcl	h ID: 82	63	F	RunNo: 1	1819				
Prep Date:	7/8/2013	Analysis D	Date: 7/	/9/2013	5	SeqNo: 3	36010	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.048	0.9524	0	116	67.3	145			
Toluene		1.1	0.048	0.9524	0.03263	114	66.8	144			
Ethylbenzene		1.2	0.048	0.9524	0	122	61.9	153			
Xylenes, Total		3.7	0.095	2.857	0.4958	113	65.8	149			
Surr: 4-Brom	ofluorobenzene	1.2		0.9524		125	80	120			S
Sample ID	1307218-003AMSE	) SampT	ype: M	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	SB-5 @ 0.5	Batcl	h ID: <b>82</b>	63	F	RunNo: 1	1819				
Prep Date:	7/8/2013	Analysis D	Date: 7	/9/2013	S	SeqNo: 3	36011	Units: <b>mg/l</b>	٢g		
Analyte	- 1 <b>-</b> 11	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
		1.0	0.048	0.9515	0	107	67.3	145	7.71	20	
Benzene			0.048	0.9515	0.03263	105	66.8	144	8.80	20	
		1.0	0.040								
Toluene		1.0 1.1	0.048	0.9515	0	113	61.9	153	7.87	20	
Benzene Toluene Ethylbenzene Xylenes, Total					0 0.4958	113 103	61.9 65.8	153 149	7.87 7.80	20 20	

#### Qualifiers:

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

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

Page 7 of 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name:	Animas Environme	ntal Work Order Num	ber: 1307218		RcptNo:	1
Received by/dat	te: <u>AG</u>	07/05/13	······			
Logged By:	Michelle Garcia	7/5/2013 10:00:00	AM	Murill Con	uie	
Completed By:	Michelle Garcia	7/5/2013-10:54:5식	AM	Minut Gar Minut Gar		
Reviewed By:	A	07/05	13	· - 7		
Chain of Cus	tody					
1. Custody sea	als intact on sample b	ottles?	Yes 🗌	No 🗌	Not Present 🗹	
2. Is Chain of C	Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the	e sample delivered?		Courier			
<u>Log In</u>						
4. Was an atte	empt made to cool the	e samples?	Yes 🗹	No 🗌	NA 🗔	
5. Were all san	nples received at a te	mperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
6. Sample(s) in	n proper container(s)?	2	Yes 🗹	No 🗌		
7. Sufficient sa	mple volume for indic	cated test(s)?	Yes 🗹	No 🗌		
8. Are samples	e (except VOA and ON	NG) properly preserved?	Yes 🗹	No 🗌		
9. Was preserv	vative added to bottles	s?	Yes 🗌	No 🗹	na 🗌	
10.VOA vials ha	ave zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
11. Were any sa	ample containers rece	eived broken?	Yes 🗆	No 🗹	# of preserved	
10 0		0	Yes 🔽	No 🗌	bottles checked for pH:	
• •	work match bottle labe pancies on chain of c		tes 🖳			>12 unless noted)
	s correctly identified o		Yes 🗹	No 🗌	Adjusted?	·
14. Is it clear wh	at analyses were req	uested?	Yes 🗹	No 🗌		
	ding times able to be customer for authoriz		Yes 🗹	No	Checked by:	
	lling (if applicabl		-	_		
16. Was client n	otified of all discrepar	ncies with this order?	Yes 🗌	No 🗌	NA 🗹	1
Persor	n Notified:	Dat	e:			
By Wh		Via:	eMail 🗌 I	Phone 🗌 Fax	In Person	
Regard						
L	Instructions:		· · ·			
17. Additional re	emarks:					
18. <u>Cooler Info</u>		and the area of a second				
Cooler N	o Temp C Con 3.9 Good	dition Seal Intact Seal No Yes	Seal Date	Signed By		
Page 1 o	f1					

C	hain:	of-Cu	istody Record	Turn-Around	Time:		]			E.				N#34	те	<b>`</b>	r i R	ЛС	NI7	- • •	
Client:	Animas	Enviro	mmental Services	🕺 🕅 Standard	🗆 Rush	I													NT ATC		
	<u>IIIIIIas</u>			Project Name		ViB 7-12-13						v.hal									
Vailing	Address	624 E	: Comenche	Enterprise	Rolland	usor Station Tanks		49(	01 H								M 87	109			
				Project #:				Te	el. 50	)5-34	5-39	975	F	ax	505-	345	-410	7			
		- 564-	1 87401	-					-	۵.				/sis					¢.		14. 11. av
email o		364-	<u> </u>	Project Mana	ger:			ly)	Â					)4)					T	Τ	
	Package:		<u>ana ana kaonina dia kaonina</u>		-		RAND'S (8021)	as on	) / DRO / (100)			SIMS)		O4,SC	CB's						
Stan			Level 4 (Full Validation)	R. henne		·	ĥ	U T	Ъ К С			SIN		) ₂ ,P	82 F						
Accredi		Othe	er	Sampler: 14. On Ice:	<u>woods</u> V Yes	⊡.No.: X	+	HdT +	20/1	18.1)	04.1)	8270		D3,NC	s / 808		(A)				or N)
	(Type)			Sample Temp	oerature	<u>S Artes</u>	岌	Ш Ш	Ū	d 4	2 D	0 0	stals	J,N(	ide	F	07-				Σ
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 12 1307218		BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	<b>RCRA 8 Metals</b>	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄ )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
13/13	1214	Soul	58-400.5	1-402		-001	X		X												
13/13	1225	50:1	58-483.5	1-402		-002	X		k												
		Soil		1-402		-003	X		с Х												
13/13	1302	2011	5B-8CD.5	1-402		-004	X	·	r										$ \rightarrow $	-+	
																			┟╌╌┨	-	
						· · · · · · · · · · · · · · · · · · ·										}			$\square$	$\dashv$	
																	1				
																			$\square$		
Date: 3/13 Date:	Time: 1730 Time:	Relinquish Hoat Relinquish	the M. 4bods	Received by:	Walte	Date Time 7/3/13 1730 Date Time	Rer	nark	^{s:} 8	1) -	to A	Anir	nai	S E	้าบเท	(on)	men	.ta(	<u>&gt;</u>		
3/13	1742	Cht	Whele (	1D	010	05/13 1000															

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



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

July 22, 2013

Ross Kennemer Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 486-1776 FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station Tanks

OrderNo.: 1307611

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/13/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Enterprise Ballard Compressor Station T

**CLIENT:** Animas Environmental Services

Project:

Date Reported: 7/22/2013 Client Sample ID: SB-11 @ 1' Collection Date: 7/12/2013 10:10:00 AM

Lab ID: 1307611-001	Matrix:	SOIL	Received	Date: 7/	13/2013 10:00:00 Al	M
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Anal	yst: JME
Diesel Range Organics (DRO)	15	10	mg/Kg	1	7/18/2013 12:45:58	PM 8407
Motor Oil Range Organics (MRO)	57	50	mg/Kg	1	7/18/2013 12:45:58	PM 8407
Surr: DNOP	97.2	63-147	%REC	1	7/18/2013 12:45:58	PM 8407
EPA METHOD 8015D: GASOLINE R	ANGE				Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/17/2013 6:02:54 P	M 8404
Surr: BFB	94.5	80-120	%REC	1	7/17/2013 6:02:54 P	M 8404

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services

Date Reported: 7/22/2013
Client Sample ID: SB-13 @ 1'

Project: Enterprise Ballard Compre	ssor Station T		Collection	Date: 7/	12/2013 10:17:00 AM	
Lab ID: 1307611-002	Matrix:	SOIL	Received	Date: 7/	13/2013 10:00:00 AM	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2013 1:50:54 PM	8407
Motor Oil Range Organics (MRO)	130	50	mg/Kg	1	7/18/2013 1:50:54 PM	8407
Surr: DNOP	102	63-147	%REC	1	7/18/2013 1:50:54 PM	8407
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/17/2013 6:31:32 PM	8404
Surr: BFB	92.4	80-120	%REC	1	7/17/2013 6:31:32 PM	8404

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 2 of 7
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Date Reported: 7/22/2013

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SB-13 @ 2' **CLIENT:** Animas Environmental Services Collection Date: 7/12/2013 11:10:00 AM Enterprise Ballard Compressor Station T **Project:** Received Date: 7/13/2013 10:00:00 AM Lab ID: 1307611-003 Matrix: SOIL **RL** Qual Units **DF** Date Analyzed Batch Result Analyses Analyst: JME **EPA METHOD 8015D: DIESEL RANGE ORGANICS** 7/18/2013 2:12:44 PM ND 9.9 8407 Diesel Range Organics (DRO) mg/Kg 1 Motor Oil Range Organics (MRO) 86 50 mg/Kg 1 7/18/2013 2:12:44 PM 8407 %REC 7/18/2013 2:12:44 PM 1 8407 Surr: DNOP 102 63-147 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB mg/Kg 7/17/2013 7:00:07 PM 8404 Gasoline Range Organics (GRO) ND 4.8 1 %REC 7/17/2013 7:00:07 PM 8404 Surr: BFB 92.3 80-120 1

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Date Reported: 7/22/2013

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental Services Client Sample ID: SC-1 **Project:** Enterprise Ballard Compressor Station T Collection Date: 7/12/2013 11:39:00 AM Lab ID: 1307611-004 Matrix: SOIL Received Date: 7/13/2013 10:00:00 AM Analyses Result **RL** Qual Units **DF** Date Analyzed Batch **EPA METHOD 8015D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 10 mg/Kg 7/18/2013 2:34:25 PM 8407 1 Motor Oil Range Organics (MRO) ND 50 mg/Kg 7/18/2013 2:34:25 PM 8407 1 Surr: DNOP %REC 96.1 63-147 1 7/18/2013 2:34:25 PM 8407 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/17/2013 11:45:42 PM 8404 4.8 mg/Kg 1 Surr: BFB 92.7 %REC 7/17/2013 11:45:42 PM 8404 80-120 1

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

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 4 of 7
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 1307611 Date Reported: 7/22/2013

CLIENT	: Animas Environmental Ser	vices		<b>Client Sampl</b>	e ID: SC	2-2					
<b>Project:</b>	Enterprise Ballard Compre	ssor Station T	Collection Date: 7/12/2013 11:44:00 AM								
Lab ID:	1307611-005	Matrix: S	SOIL	Received I	Date: 7/1	[					
Analyses		Result	RL Qu	al Units	DF	Date Analyzed	Batch				
EPA ME	THOD 8015D: DIESEL RAN	GE ORGANICS				Analy	st: JME				
Diesel F	Range Organics (DRO)	ND	10	mg/Kg	1	7/18/2013 2:56:16 PN	8407				
Motor C	il Range Organics (MRO)	ND	50	mg/Kg	1	7/18/2013 2:56:16 PM	8407				
Surr:	DNOP	80.0	63-147	%REC	1	7/18/2013 2:56:16 PM	1 8407				
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analy	st: NSB				
Gasolin	e Range Organics (GRO)	ND	4.8	mg/Kg	1	7/18/2013 12:14:14 A	M 8404				
Surr:	BFB	93.0	80-120	%REC	1	7/18/2013 12:14:14 A	M 8404				

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 5 of 7
0		RSD is greater than RSDlimit		Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

WO#:	1307611
	22-Jul-13

Client: Project:		nvironmei e Ballard (		vices ssor Statior	ı Tanks						
Sample ID	MB-8407	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015D: Diese	el Range (	Drganics	
Client ID:	PBS	Batch	n ID: 84	07	F	RunNo: 1	1995				
Prep Date:	7/16/2013	Analysis D	ate: 7/	17/2013	S	SeqNo: 3	41200	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	ND	10								
Viotor Oil Range	e Organics (MRO)	ND	50								
Surr: DNOP		11		10.00		114	63	147			
Sample ID	LCS-8407	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Drganics	
Client ID:	LCSS	Batch	n ID: 84	07	F	RunNo: <b>1</b>	1995				
Prep Date:	7/16/2013	Analysis D	ate: 7/	17/2013	S	SeqNo: 3	41201	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	organics (DRO)	48	10	50.00	0	95.4	77.1	128			
Surr: DNOP		5.8		5.000		116	63	147			
Sample ID	1307611-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Drganics	
Client ID:	SB-11 @ 1'	Batch	n ID: 84	07	ਜ	RunNo: <b>1</b> :	2040				
Prep Date:	7/16/2013	Analysis D	ate: 7/	18/2013	S	SeqNo: 3	42924	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	85	9.9	49.50	14.93	141	61.3	138			S
Surr: DNOP		5.6		4.950		114	63	147			
Sample ID	1307611-001AMSE	) SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Drganics	
Client ID:	SB-11 @ 1'	Batch	n ID: 84	07	F	RunNo: <b>1</b> :	2040				
Prep Date:	7/16/2013	Analysis D	ate: 7/	18/2013	S	eqNo: 3	42925	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
)iesel Range O	rganics (DRO)	68	10	49.95	14.93	105	61.3	138	22.3	20	R
Surr: DNOP		4.9		4.995		97.9	63	147	0	0	

#### Qualifiers:

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

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

Page 6 of 7

# QC SUMMARY REPORT

**Client:** 

Animas Environmental Services

Project:	Enterprise	e Ballard C	compres	ssor Station	Tanks						
Sample ID	MB-8404	SampTy	/pe: ME	BLK	Test	Code: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batch	ID: 840	04	R	unNo: 1	1998				
Prep Date:	7/16/2013	Analysis Da	ate: <b>7</b> /	17/2013	s	eqNo: 34	41918	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	ND	5.0								
Surr: BFB		950		1000		95.0	80	120			
Sample ID	LCS-8404	SampT	ype: LC	S	Test	Code: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	LCSS	Batch	ID: 84	04	R	tunNo: 1	1998				
Prep Date:	7/16/2013	Analysis Da	ate: 7/	17/2013	S	eqNo: 34	41919	Units: <b>mg/ł</b>	٢g		
Analyte		Result	PQL_	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	104	62.6	136			
Surr: BFB		1000		1000		101	80	120			
Sample ID	1307611-001AMS	SampT	ype: MS	3	Test	Code: El	PA Method	8015D: Gaso	oline Rang	e	·
Client ID:	SB-11 @ 1'	Batch	ID: 84	04	R	tunNo: 1	1998				
Prep Date:	7/16/2013	Analysis D	ate: 7/	17/2013	S	eqNo: 3	41921	Units: <b>mg/l</b>	۶g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	29	4.7	23.50	0	122	76	156			
Surr: BFB		990		939.8		106	80	120			
Sample ID	1307611-001AMS	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	SB-11 @ 1'	Batch	ID: 84	04	F	RunNo: 1	1998				
Prep Date:	7/16/2013	Analysis D	ate: 7/	17/2013	S	eqNo: 3	41922	Units: <b>mg/l</b>	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	30	4.7	23.47	0	130	76	156	5.88	17.7	
Surr: BFB		1000		939.0		106	80	120	0	0	

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- E Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits

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

HALL	
ENVIRO	ENTAL
ANALYSIS	5
LABORAT	ORY

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

Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number:	1307611		RcptNo:	1
Received by/date: MF 07/13/	/3				
Logged By: Anne Thorne 7/1	3/2013 10:00:00 AM	l	arne A-		
Completed By: Anne Thorne 7/1	5/2013		ame He		
Reviewed By:	7/15/12		Cina Ji Ca		
Chain of Custody					
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗖	Not Present 🗹	
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		Courier			
Log In					
4. Was an attempt made to cool the samples?		Yes 🗹	No 🗌		
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗔		
7. Sufficient sample volume for indicated test(s)?		Yes 🗹	No 🗌		
8. Are samples (except VOA and ONG) properly page	reserved?	Yes 🗹	No 🗌		
9. Was preservative added to bottles?		Yes 🗌	No 🗹	na 🗖	
10. VOA vials have zero headspace?		Yes 🗌	No 🗌	No VOA Vials 🗹	
11. Were any sample containers received broken?		Yes 🗆	No 🗹	# of preserved	
10 -				bottles checked for pH:	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	. <b>No</b> ∐		r >12 unless noted)
13 Are matrices correctly identified on Chain of Cus	stody?	Yes 🗹	No 🗌	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🗹	No 🗌		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this	order?	Yes 🗌	No 🗌		7
Person Notified:	Date				
By Whom:	Via:	eMail	] Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:				n and a second secon	
17. Additional remarks:					_
18. Cooler Information					

_		MANY					
1	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
	1	2.4	Good	Yes			

С	hain	-of-Cι	istody Record	Turn-Around	Time:		]					• •	<b></b>		/ T =	•••			RIT	• • •	
Client:	Inima	s Enin	ronmental Services	X Standard	) <u>#</u> Rush					_										AL DR)	
	111100	2 61101	UNITED DAVICES	Project Name	ə:		1								meni						2
Mailing	Address	· 1.01.1	E. Comanche	-	Ballard	Amanesia Shat		10	<u>∩1 н</u>									109			
		<u>1024 E</u>	e. Comanche	Enterprise Ballard Compressor Station 4901 Hawkins NE - Albuquerque, NM 871 Project #: Tonks Tel. 505-345-3975 Fax 505-345-4107																	
<u>Phone</u> t	ti sos		-2281	-					FI. OU	0-34	0-08				Req			1			
email or		~>04.	- 2201	Project Manager:				ly)	<b>(</b> )				-								T
QA/QC F								s on	MR			()		SO,	B's						
🕅 Stan	-		Level 4 (Full Validation)	R. Kenn	emir		s (8	(Ga:	80 /			SIMS)		Q,	PCB.						
Accredi	lation		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Sampler: H.			TMB's (8021)	+ TPH (Gas only)	jo /	÷	<del>,</del>	20 5		No No	/ 80821						7
NELAP     Other			Onlice	政(Yes	. No.	+		RO	418.	504.	r 82	S	0°	3 / Se		(AC				or N	
	(Type) _	Г	1	Sample Tem	perature:24		TBE	TBE	B (G	po	Po	10 0	letal	U U U	icide	R	יור∖(				∑ S
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALINO 130741	BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄ )	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y
7/12/13	1010	50:1	5B-11@1'	1-402		-501			X												
		Soil		1-402		-602			X												
7/12/13			SB-13C2'	1-402		-763			X												
7/12/13		•	}	1-402	_	-204			Х												
		Soʻi		1-402		-005			X												
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7 12/13	Time: [ <b>7</b> 39	Relinquish	then M. Wood	Received by:	alt	Date Time	Rer	nark	s: B	;// <del>,</del>	to 4	4nir	NQ MA	3 É	Enul L	iron	i me	ntel	"Se	ruia	es
Date: 7/12/13	Time: 1754		t Walte	Received by:	N	Date Time 7/13/13 14:00	39 Hiw added MRO to analysis				071	3  9  הי <i>ו</i> ק	<u>}</u>								

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



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

August 07, 2013

Ross Kennemer Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 486-1776 FAX (505) 324-2022

RE: Enterprise Ballard Compressor Station

OrderNo.: 1308128

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/3/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 1308128 Date Reported: 8/7/2013

CLIENT:	Animas Environmental Ser	vices		C	Client Sampl	e ID: SC	-5					
<b>Project:</b>	Enterprise Ballard Compre	ssor Station	Collection Date: 8/2/2013 12:44:00 PM									
Lab ID:	1308128-001	SOIL Received Date: 8/3/2013 11:00:00 AM										
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch				
EPA ME	THOD 8015D: DIESEL RANG	GE ORGANICS					Analys	t: JME				
Diesel R	ange Organics (DRO)	3400	100		mg/Kg	10	8/5/2013 12:46:31 PM	8722				
Motor O	il Range Organics (MRO)	1600	500		mg/Kg	10	8/5/2013 12:46:31 PM	8722				
Surr:	DNOP	0	63-147	S	%REC	10	8/5/2013 12:46:31 PM	8722				
EPA ME	THOD 8015D: GASOLINE R	ANGE					Analys	t: RAA				
Gasoline	e Range Organics (GRO)	800	25		mg/Kg	5	8/5/2013 10:41:30 AM	R12409				
Surr:	BFB	1370	80-120	S	%REC	5	8/5/2013 10:41:30 AM	R12409				

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

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

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/7/2013

CLIENT:	Animas Environmental Ser	vices		C	lient Sampl	e ID: SC	2-6						
Project:	Enterprise Ballard Compre	ssor Station	Collection Date: 8/2/2013 12:46:00 PM										
Lab ID:	1308128-002	Matrix: S	SOIL		Received I	eived Date: 8/3/2013 11:00:00 AM							
Analyses		Result	RL	Qual	Units	ÐF	Date Analyzed	Batch					
EPA MET	THOD 8015D: DIESEL RAN	GE ORGANICS		_			Analyst	JME					
Diesel R	ange Organics (DRO)	8000	100		mg/Kg	10	8/5/2013 1:08:36 PM	8722					
Motor Oi	il Range Organics (MRO)	3900	500		mg/Kg	10	8/5/2013 1:08:36 PM	8722					
Surr: í	DNOP	0	63-147	S	%REC	10	8/5/2013 1:08:36 PM	8722					
EPA MET	THOD 8015D: GASOLINE R	ANGE					Analyst	RAA					
Gasoline	e Range Organics (GRO)	790	50		mg/Kg	10	8/5/2013 11:10:10 AM	R12409					
Surr: I	BFB	821	80-120	s	%REC	10	8/5/2013 11:10:10 AM	R12409					

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	Е	Value above quantitation range
	J	Analyte detected below quantitation limits
	0	RSD is greater than RSDlimit
		non the state of the state

than RSDlimit R RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND Not Detected at the Reporting Limit Page 2 of 6 Sample pH greater than 2 for VOA and TOC only.
- р
- RL Reporting Detection Limit

## Hall Environmental Analysis Laboratory, Inc.

Lab Order **1308128** Date Reported: **8/7/2013** 

CLIENT	: Animas Environmental Ser	vices		C	lient Sampl	e ID: SC	-7						
Project:	Enterprise Ballard Compre	essor Station	Collection Date: 8/2/2013 12:48:00 PM										
Lab ID:	1308128-003	Matrix: S	SOIL		Received l	eived Date: 8/3/2013 11:00:00 AM							
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch					
EPA ME	THOD 8015D: DIESEL RAN	GE ORGANICS					Analys	t: JME					
Diesel F	Range Organics (DRO)	6900	100		mg/Kg	10	8/5/2013 1:30:26 PM	8722					
Motor O	il Range Organics (MRO)	3300	500		mg/Kg	10	8/5/2013 1:30:26 PM	8722					
Surr:	DNOP	0	63-147	S	%REC	10	8/5/2013 1:30:26 PM	8722					
EPA ME	THOD 8015D: GASOLINE R	ANGE					Analys	t: RAA					
Gasolin	e Range Organics (GRO)	1200	50		mg/Kg	10	8/5/2013 11:08:56 AM	R12410					
Surr:	BFB	1230	80-120	s	%REC	10	8/5/2013 11:08:56 AM	R12410					

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	Ε	Value above quantitation range	Н	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit Page 3 of 6
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report

### Hall Environmental Analysis Laboratory, Inc.

Lab Order **1308128** Date Reported: **8/7/2013** 

5 8/5/2013 11:39:13 AM R12410

CLIENT	: Animas Environmental Ser	vices		0	lient Sampl	e ID: SC	-8						
Project:	Enterprise Ballard Compre	ssor Station	Collection Date: 8/2/2013 12:50:00 PM										
Lab ID: 1308128-004 Matrix: SOIL Receiv						ceived Date: 8/3/2013 11:00:00 AM							
Analyses		Result	RL (	Qual	Units	DF	Date Analyzed	Batch					
EPA ME	THOD 8015D: DIESEL RAN	GE ORGANICS					Analys	t: JME					
Diesel R	ange Organics (DRO)	2600	99		mg/Kg	10	8/5/2013 1:52:12 PM	8722					
Motor O	il Range Organics (MRO)	1600	500		mg/Kg	10	8/5/2013 1:52:12 PM	8722					
Surr:	DNOP	0	63-147	S	%REC	10	8/5/2013 1:52:12 PM	8722					
EPA METHOD 8015D: GASOLINE RANGE							Analys	t: RAA					
Gasoline	e Range Organics (GRO)	600	25		mg/Kg	5	8/5/2013 11:39:13 AM	R12410					

80-120 S

%REC

1200

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

Qualifiers:

Surr: BFB

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

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 4 of 6
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

WO#:	1308128

07-Aug-13

	Environmen ise Ballard (			1									
Sample ID MB-8722	TestCode: EPA Method 8015D: Diesel Range Organics												
Client ID: PBS	Batch ID: 8722 RunNo: 12400												
Prep Date: 8/5/2013	Analysis Date: 8/5/2013			5	SeqNo: 3	53060	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	ND	10											
Motor Oil Range Organics (MRO)	ND	50											
Surr: DNOP	9.9		10.00		99.2	63	147			<u>-</u>			
Sample ID LCS-8722	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (	Drganics				
Client ID: LCSS	Batch	n ID: 87	22	F	RunNo: 1	2400							
Prep Date: 8/5/2013	Analysis D	ate: <b>8</b> /	5/2013	5	SeqNo: 3	53065	Units: mg/k	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	42	10	50.00	0	84.3	77.1	128						
Surr: DNOP	3.5		5.000		69.8	63	147						

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WO#:	1308128

07-Aug-13

	Environmental Ser se Ballard Compre		1	·					
Sample ID mb-8704 24	SampType: MI	BLK	Tes	Code: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batch ID: R1	2409	F	tunNo: <b>1</b>	2409				
Prep Date:	Analysis Date: <b>8</b> ,	/5/2013	S	eqNo: 3	53530	Units: mg/k	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 900	1000		89.9	80	120			
Sample ID Ics-8704 23	SampType: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: R1	Batch ID: R12409 RunNo: 12409							
Prep Date:	Analysis Date: 8/	/5/2013	S	eqNo: 3	53532	Units: mg/k	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22 5.0	25.00	0	87.6	62.6	136	<u>,</u>		
Surr: BFB	960	1000		95.9	80	120			
Sample ID 5ml rb 5	SampType: MI	BLK	Tes	Code: El	PA Method	8015D: Gase	oline Rang	e	
Client ID: PBS	Batch ID: R1	2410	F	tunNo: 1	2410				
Prep Date:	Analysis Date: 8/	/5/2013	S	eqNo: 3	53715	Units: <b>mg/ł</b>	٢g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	930	1000		93.2	80	120			
Sample ID 2.5UG GRO LCS	SampType: LC	s	Test	Code: El	PA Method	8015D: Gaso	line Rang	e	
l Client ID: LCSS	Batch ID: R1	2410	F	lunNo: 1	2410				
Prep Date:	Analysis Date: <b>8</b> /	/5/2013	S	eqNo: 3	53719	Units: <b>mg/H</b>	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 5.0	25.00	0	112	62.6	136			
Surr: BFB	1100	1000		105	80	120			

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HALL TALL TALL TALL TALL TALL TALL TALL	4901 Hawkin: 4901 Hawkin: Albuquerque, NM 87 EL: 505-345-3975 FAX: 505-345-4 Website: www.hallenvironmental.	s NE 7109 Samp 4107	Sample Log-In Check List								
Client Name: Animas Environmental Wo	k Order Number: 1308128		RcptNo: 1								
Received by/date: AT 08/03/13			· · ·								
Logged By: Anne Thorne 8/3/20	13 11:00:00 AM	are Am	-								
Completed By: Anne Thorne , 8/5/20	13	an Im	/								
Reviewed By: AT 08 (05 (13			-	·							
Chain of Custody											
1. Custody seals intact on sample bottles?	Yes 🗋	No 🗌	Not Present								
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present								
3. How was the sample delivered?	Courier										
<u>Log In</u>											
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA								
5. Were all samples received at a temperature of >0	°C to 6.0°C Yes 🗹	No 🗌									
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌									
7. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗌									
8. Are samples (except VOA and ONG) properly pres	erved? Yes 🗹	No 🗌									
9. Was preservative added to bottles?	Yes 🗋	No 🗹	NA 🗌								
10.VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹								
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved								
12. Does paperwork match bottle labels?	Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 ur								
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custo	dv? Yes 🗹	No 🗌	Adjusted?								
14. Is it clear what analyses were requested?	Yes 🗹	No 🗌									
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:								
<u>Special Handling (if applicable)</u>											
16. Was client notified of all discrepancies with this or	ler? Yes 🗌	No 🗌	NA 🗹								
Person Notified:	Date	<u></u>									
By Whom:	Via: eMail 🗌	Phone 🗌 Fax	In Person								
Regarding:											
Client Instructions:											
17. Additional remarks: per De GR	o 1 Dec Juneo / A oslo	5/17									
18. Cooler Information											
Cooler No         Temp °C         Condition         Seal Integration           1         2.3         Good         Yes	ict Seal No Seal Date	Signed By									

y

<b>—</b> c	Chain-of-Custody Record			Turn-Around	l ime:								6			iii) rr r					6 • • •	
Client:	nimas	Enviror	mental Services	] □ Standard	¥ ∕/ Rush	Same	Day													NT ATC		
				Project Name	):		0								iron							-
Mailing	Address:	624	E. Comanche	Enkopine B	allard Com	pressor	Station	4901 Hawkins NE - Albuquerque, NM 87109														
			<u>M 87417</u> -2201	Project #:				4901 Hawkins NE - Albuquerque, NM 87109 A 1905 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request														
email o				Project Manager:					(Yr	(Ô)			·		<b>)</b> ₄)							T
QA/QC F	^p ackage: dard		Level 4 (Full Validation)	R. Vrennemer				TMB's (8021)	TPH (Gas only)	RO / MRO			SIMS)		,PO4,S(	PCB's						
	Accreditation           Include           Include			Sampler: H. Woods On Ice X Yes STINO				+	+	RO / DI	118.1)	504.1)	8270 \$	(	0 ₃ ,NO ₂	s / 8082		(A)				or NI
	(Type)			Sample Tem	erature,	<u>2-2</u>		MTBE	E	\ڤ	od 4	po	10.01	8 Metals	Сľ,	cide	(¥	ii-VC				12
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	не 1308	al'no 128	BTEX + M	BTEX + MTBE	TPH 8015B GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 M	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄ )	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)				∆ir Ruhhlac
8/2/13	1244	5001	50-5	Moott Kit	MUOH		-001		_	X	-									-	-	$\uparrow$
8/2/13	1246	Soil	SC-6	}			-702		_	X		-									1	T
812/13	12.4B	Soil					-013			×												$\top$
	1250		SC-B		1	- - - -	-004			×	_	_										Ŧ
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Date:	Time:	Relinguish	ed by:	Received by:	ـــــــــــــــــــــــــــــــــــــ	Date	Time	Ren	narks	5:								<u> </u>				1
<u>8/2/13</u> Date:	1 <u>5</u> 13 Time:	Relinquish	then M. Ubods	Received by.	Walte	Date	3 15/3 Time															
12/3	1230	1 mi	the Walter		VanC)	1	TIC	11CC														

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