## JMB Transport Merchant Gap 25 State Com #1H Closure Report RP 3405 Section 25, T22S, R34E Lea County, New Mexico

December 8, 2014



Prepared for:

JMB Transport 800 West Airport Freeway Suite 1100 Irving, Texas 75062

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Street Hobbs, New Mexico 88240 (575) 397-0510

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## TABLE OF CONTENTS

I.	COMPANY CONTACTS	1
II.	BACKGROUND	1
III.	SURFACE AND GROUND WATER	1
IV.	CHARACTERIZATION	1
V.	WORK PERFORMED	1
VI.		2
VII	. FIGURES & APPENDICES	
	Figure 1 – Vicinity Map	
F	Figure 2 – Site Plan	6
F	Figure 3 – NMOCD Trend Map	9
Α	Appendix A – Analytical Results	10
Α	Appendix B – C-141	
	Appendix C – Site Photographs	
Α	Appendix D – NMOSE Water Column/Average Depth to Water	

### I. Company Contacts

Representative	Company	Telephone	E-mail
BJ Cox	GMT Explotation	1-307-354-8895	Bjcox@gmtexploration.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

### II. Background

Safety and Environmental Solutions, Inc. (SESI) was engaged by JMB Transport to perform site assessment and clean up of a release area at the Merchant Gap 25 State Com #1H located in Section 25 of Township 22 South, Range 34 East, Lea County, New Mexico.

According to the C-141 dated October 31, 2014 the cause of release was the oil hauler fell asleep while loading and overflowed his tank.

### III. Surface and Ground Water

The nearest groundwater of record is approximately 1.0 mile Northwest of the site. The New Mexico Office of State Engineer record is in Section 23 Range 34 East and Township 22 South. The reported depth was 90 feet below ground surface (BGS).

### IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 1,000 ppm Total Petroleum Hydrocarbons (TPH).

Depth to Ground Water:			
(Vertical distance from contaminants to	Less than 50 feet	20 points	
seasonal high water elevation of	50 feet to 99 feet	10 points	X
groundwater)	>100 feet	0 points	
Wellhead Protection Area:			
(Less than 200 feet from a private domestic	Yes	20 points	
water source; or less than 1000 feet from all	No	0 points	X
other water sources)			
Distance to Surface Water:			
(Horizontal distance to perennial lakes,	Less than 200 feet	20 points	
ponds, rivers, streams, creeks, irrigation	200 feet to 1000 feet	10 points	
canals and ditches)	>1000 feet	0 points	Χ
RANKING SCORE (TOTAL POINTS)			10

## V. Work Performed

On October 31, 2014, Safety & Environmental Solutions, Inc. was onsite photographs were taken and the location was mapped.

On November 12, 2014, Safety & Environmental Solutions, Inc. was onsite to determine vertical extent of contamination. All Samples were properly packaged, preserved and transported to the Laboratory, Hobbs New Mexico and analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Total BTEX and Chloride (Cl<sup>-</sup>) (Method SM4500Cl-B). The results of the analysis are presented in the table below:

Sample Date 11/12/2014	Sample ID	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX
Depth	Method					
TT1 at 1'6"	BTEX 8021B	<0.050	0.067	<0.050	<0.150	<0.300
TT2 at 2'	BTEX 8021B	<0.050	0.108	<0.050	<0.150	<0.300
TT3 at 3'6"	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
TT4 at 11'8"	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
TT5 at 5'6"	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300
TT6 at 2'6"	BTEX 8021B	<0.050	<0.050	<0.050	<0.150	<0.300

Sample Date 11/12/2014	Sample ID	GRO (C <sub>6</sub> -C <sub>10</sub> ) (mg/kg)	DRO (>C <sub>10</sub> -C <sub>28</sub> ) (mg/kg)
Depth	Method		
TT1 at 1'6"	TPH 8015M	<10.0	<10.0
TT2 at 2'	TPH 8015M	85.6	143
TT3 at 3'6"	TPH 8015M	<10.0	11.7
TT4 at 11'8"	TPH 8015M	<10.0	<10.0
TT5 at 5'6"	TPH 8015M	<10.0	<10.0
TT6 at 2'6"	TPH 8015M	<10.0	<10.0

The Vertical Extent was found in all test trenches.

On December 3, 2014 SESI on site to excavate 100 yards of contaminated soil was removed and transported to Sundance.

### VI. Closure

- 1. Excavate contaminated soil to where the sides and bottom of the excavation are less than 1000 PPM TPH. Transport all contaminated soil to an approved NMOCD facility for disposal.
- 2. Confirmation samples were taken.
- 3. The excavated area has been backfilled with clean soil off the location and caliche on the location.

## VII. Figures & Appendices

Figure 1 – Vicinity Map Figure 2 – Site Plan Figure 3 – NMOCD Trend Map Appendix A – Analytical Results Appendix B – C-141 Appendix C – Site Photos Appendix D – NMOSE Water Column/Average Depth to Water

## Figure 1 Vicinity Map



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## Figure 2 Site Plan



Merchant Gap 25 State Com # 1 H

*Merchant Gap 25 State Com #1H December 8, 2014 Mexico* 

## Figure 3 NMOCD Trend Map

*Merchant Gap 25 State Com #1H December 8, 2014 Mexico* 



Appendix A Analytical Results Merchant Gap 25 State Com #1H December 8, 2014 Mexico JMB Transport Lea County, New



				РНОГ	IE (575) 3	93-2326 ° 101	E. MARLAND ° HO	3BS, NM 882	240
		Analy	rtical Resul	ts For:					
				ental Solutions					
			Allen East Clinton						
			bs NM, 88240						
				393-4388					
Received:	11/12/201	14		Sar	npling Da	ite:	11/10/2	2014	
Reported:	11/14/201				npling Ty		Soil		
Project Name:	CRUDE O	IL SPILL		Sar	npling Co	ndition:	Cool &	Intact	
Project Number:	JMB-14-001			Sar	nple Rece	eived By:	Celey D	. Keene	
Project Location:	Project Location: LEA COUNTY								
Sample ID: TT-1 @ 1'6" (H403	473-01)								
BTEX 8021B	mg/l	¢g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2014	ND	1.74	87.0	2.00	10.0	
Toluene*	0.067	0.050	11/13/2014	ND	1.65	82.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/13/2014	ND	1.61	80.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	11/13/2014	ND	4.82	80.4	6.00	10.9	
Total BTEX	<0.300	0.300	11/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0 %	6 61-154							
TPH 8015M	mg/l	¢g	Analyze	d By: ms					
TFN 8015M				Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte	Result	Reporting Limit	Analyzed						
Analyte	Result <10.0	Reporting Limit 10.0	Analyzed 11/12/2014	ND	188	93.9	200	0.555	
Analyte GRO C6-C10			-	ND ND	188 196	93.9 98.2	200 200	0.555 2.55	
	<10.0	10.0	11/12/2014 11/12/2014						

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Page 2 of 9

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	ato	pries	5	РНО	NE (575) 3	93-2326 ° 101	E. MARLAND ° HOE	BBS, NM 882	240
		Analy	tical Resul	ts For:					
		Saf	ety & Environm						
			o Allen 8 East Clinton						
			bbs NM, 88240						
		Fax	(To: (575)	393-4388					
Received:	11/12/201				npling Da				
Reported: Project Name:	11/14/2014 CRUDE OII			Sampling Type: Sampling Condition:			Soil Cool & I	Intact	
Project Number:	JMB-14-00					eived By:		. Keene	
Project Location:	LEA COUN	TY							
Sample ID: TT-2 @ 2' (H40347	3-02)								
BTEX 8021B	mg/k			d By: ms					
Analyte		Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifi
Benzene* Toluene*	<0.050 0.108	0.050	11/13/2014	ND ND	1.74 1.65	87.0 82.6	2.00	10.0 10.2	
Ethylbenzene*	<0.050	0.050	11/13/2014 11/13/2014	ND	1.65	82.6	2.00	10.2	
Total Xylenes*	<0.150	0.050	11/13/2014	ND	4.82	80.5	6.00	10.5	
Total BTEX	<0.300	0.300	11/13/2014	ND	1.02	00.1	0.00	10.5	
Surrogate: 4-Bromofluorobenzene (PID TPH 8015M	98.4 % mg/kg	61-154		d By: ms					
Analyte		, Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifi
GRO C6-C10	85.6	10.0	11/12/2014	ND	188	93.9	200	0.555	
DRO >C10-C28	143	10.0	11/12/2014	ND	196	98.2	200	2.55	
Surrogate: 1-Chlorooctane	114 %	47.2-15	7						
Surrogate: 1-Chlorooctadecane	127 %	52.1-17							
			-						
Cardinal Laboratories								*=Accredit	ucent hot
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any other cause whatsoever shall be deemed waived inducing, without limitation, business interruptions, loss or daim is based upon any of the above stated reasons or otherwise	unless made in writ of use, or loss of	ing and received by C profits incurred by dien	ardinal within thirty (30) t, Its subsidiaries, affiliate	days after completion of s or successors arising o	the applicable ut of or relat	ed to the performance	t shall Cardinal be liable I	for incidental or	consequential da
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Labor				PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240						
	Analytical Results For:									
				ental Solutions	5					
			Allen							
			East Clinton							
			bs NM, 88240	393-4388						
		1 dA	10. (575)	333-4300						
Received:	11/12/20	14		Sar	mpling Da	te:	11/10/2			
Reported:	11/14/20	14		Sai	mpling Ty	pe:	Soil			
Project Name:	CRUDE C	IL SPILL			mpling Co		Cool &	Intact		
Project Number:	JMB-14-0			Sar	mple Rece	eived By:	Celey D	. Keene		
Project Location:	LEA COU	NTY								
Sample ID: TT-3 @ 3' 6'' (H403	-									
			d By: ms							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
Benzene*	<0.050	0.050	11/13/2014	ND	1.74	87.0	2.00	10.0		
Toluene*	<0.050	0.050	11/13/2014	ND	1.65	82.6	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/13/2014	ND	1.61	80.5	2.00	10.3		
Total Xylenes*	<0.150	0.150	11/13/2014	ND	4.82	80.4	6.00	10.9		
Total BTEX	<0.300	0.300	11/13/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 61-154	!							
TPH 8015M	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
GRO C6-C10	<10.0	10.0	11/12/2014	ND	188	93.9	200	0.555		
DRO >C10-C28	11.7	10.0	11/12/2014	ND	196	98.2	200	2.55		
Surrogate: 1-Chlorooctane	110 9	6 47.2-15	7							
	123 9	52.1-17	6							

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Page 4 of 9

	1 cu cu	SIICL	PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240						
		Anal	ytical Resul	ts For:					
		Bo 70 Ho	fety & Environm b Allen 3 East Clinton bbs NM, 88240 k To: (575)		1				
Received: Reported: Project Name: Project Number: Project Location:	11/12/20 11/14/20 CRUDE 0 JMB-14-0 LEA COU	014 DIL SPILL 001		Sar Sar	npling Da npling Ty npling Co nple Rec	/pe:	11/10/2 Soil Cool & Celey D	Intact	
Sample ID: TT-4 @ 11' 8'' (H BTEX 8021B	403473-04 mg,		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2014	ND	1.74	87.0	2.00	10.0	
Toluene*	<0.050	0.050	11/13/2014	ND	1.65	82.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/13/2014	ND	1.61	80.5	2.00	10.3	
Total Xylenes*	<0.150	0.150	11/13/2014	ND	4.82	80.4	6.00	10.9	
Total BTEX	<0.300	0.300	11/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (P. TPH 8015M	ID 97.9 mg,			d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Oualifier
GRO C6-C10	<10.0	10.0	11/12/2014	ND	188	93.9	200	0.555	Qualifier
DRO >C10-C28	<10.0	10.0	11/12/2014	ND	196	98.2	200	2.55	
Surrogate: 1-Chlorooctane	116	% 47.2-1	57						
Surrogate: 1-Chlorooctadecane	129	% 52.1-17	76						
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		Analy	rtical Resul	ts For:					
		Bob 703 Hob	Allen East Clinton bs NM, 88240	nental Solutions ) 393-4388					
Received: Reported: Project Name: Project Number: Project Location:	11/12/20: 11/14/20: CRUDE O: JMB-14-00 LEA COUM	l4 IL SPILL D1		Sar Sar	npling Da npling Ty npling Co nple Rece	/pe:	11/10/2 Soil Cool & Celey D		
Sample ID: TT-5 @ 5' 6'' (H40) BTEX 8021B	5475-03) mg/l	g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2014	ND	1.74	87.0	2.00	10.0	
Toluene*	<0.050	0.050	11/13/2014	ND	1.65	82.6	2.00	10.2	
Ethylbenzene*	<0.050	0.050	11/13/2014	ND	1.61	80.5	2.00	10.3	
Fotal Xylenes*	<0.150	0.150	11/13/2014	ND	4.82	80.4	6.00	10.9	
Total BTEX	<0.300	0.300	11/13/2014	ND					
Surrogate: 4-Bromofluorobenzene (PII	98.9 %	6 61-154							
TPH 8015M	mg/l	g	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/12/2014	ND	188	93.9	200	0.555	
DRO >C10-C28	<10.0	10.0	11/12/2014	ND	196	98.2	200	2.55	
Surrogate: 1-Chlorooctane	117 %	47.2-15	7						
Surrogate: 1-Chlorooctadecane	129 %	52.1-17	б						
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Page 6 of 9

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	Analytical Results For:									
				ental Solution	s					
			Allen							
			East Clinton bs NM, 88240							
		Fax		) 393-4388						
Received:	11/12/20				mpling Da		11/10/2			
Reported: Project Name:	11/14/20 CRUDE 0				mpling Ty mpling Co		Soil Cool &	Totoct		
Project Number:	JMB-14-0				mpling Co mple Rece			. Keene		
Project Location:	LEA COU			00	inple field		00107 0	. noono		
Sample ID: TT-6 @ 2' 6" (H403		_								
BTEX 8021B	mg/			d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
Benzene*	<0.050	0.050	11/13/2014	ND	1.74	87.0	2.00	10.0		
Toluene*	<0.050	0.050	11/13/2014	ND	1.65	82.6	2.00	10.2		
Ethylbenzene*	<0.050	0.050	11/13/2014	ND	1.61	80.5	2.00	10.3		
Total Xylenes*	<0.150	0.150	11/13/2014	ND	4.82	80.4	6.00	10.9		
Total BTEX	<0.300	0.300	11/13/2014	ND						
Surrogate: 4-Bromofluorobenzene (PID	100 9	61-154								
TPH 8015M	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie	
GRO C6-C10	<10.0	10.0	11/12/2014	ND	188	93.9	200	0.555		
DRO >C10-C28	<10.0	10.0	11/12/2014	ND	196	98.2	200	2.55		
Surrogate: 1-Chlorooctane	118 9	6 47.2-15	7							
	130 9	52.1-17	-							

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Page 7 of 9



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#### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Page 8 of 9

A a vera se si-i	NY STATE POTE: In biging well Balanged. Scholard blatter, sen statister, son stat	Temp. Sample Condition	iv: (Circle One)	Delivered By: ( Sampler - UPS -
	change or bot, and be fordered is the interact bage and increased by Caushual within 20 days form, loss of lates, of these of popular how the form is based approx way of the phones shall for the based approx way of the phones shall	05 4 M Received	Jana	Relinquished By:
Transition and the second seco	connect or flort, athell be finited to the structure ing and received by Caulinal within 30 days form, loss of state, or loss of goalts incardin form, in based storm use of the above state	HI-12-14 Repetived By:	quiished:	minter Rellu
		રાસ્ટ 1017: 11માંકું માના ઉપાણમાં ઉપાળમાં કોર્યોં કેર્યાં કેર્યાં કેર્યાં કે ક્લેક્સન ભાખતો છે જો તથામે બેઠવી અનેશક based h to 0344 - 31 ડાંગાં, કેરેબાળ્યુ ઇનિંગ પ્રિયંત્ર પર બાંધુંગાંડનાં તા Lug છોવા રાખલે ન્યું માંગાંડ પર તથી ૧૫ બેલખાના કંભોકને ભાખતા માન્ક h to 044 - 194 કે કે બેલા પ્રિયંત્ર કેરેબાળ્યુ ઇનિંગ પર બાંધુંગાંડનાં તા પ્રાપ્ય રાખ્યાં કે પ્રાપ્ય પ્રાપ્ય કે બેલા પ્	wird Deiszellgund Chartenze's Balding sind albeinfar deing those for englegence eine eine wird onter zurst Candifel be leite fau fachenze ein consequent basen die of an unterkanne eine Andersande an	sat HOTE: Ustation yea, All claims (HO ca, IN NO Event Sho
	ht 01:11	N 1 43	TT-60 216"	6
	11.10.14	2 1	17-50 56	R
~~~	11.10.14	1 10		ţ
and the l	V 11-1044	21	1.1	G
	NOI-11	6 -		2
1	11-10-14	611	1-10 1.5	-
TPH BTE	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	(G)RAB OR (C # CONTAINER GROUNDWAT WASTEWATEH SOIL OIL	Sample I.D.	Lab I.D. H403473
8	PRESERV SAMPLING	S ER		FOR LOBUSE CHLY
	1		Kohwa Varia	Sampler Name:
5	7	Inerchant GAP 35 St Con 1	Ha Courty	Project Location:
	State: Zip:	Project Owner: July Trave pert	1001	Project #:
	Anniessi	#; 0/0-000-4000	nicn-Jac-o	5
	Attre	1		City:
	Company: Same		703 East Clinton	Address:
	P.D.#			Project Manager:
ANALYSIS REQUEST	BILLTO	Safety & Environmental Solutions, Inc.		Company Name:
Page of		TORIES 5, NM 88240 05) 393-2476	ARDINAL LABORATORIES 101 East Martanet, Hobbs, NM 88240 (505) 393-2328 Fax (505) 393-2476	AF AF
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST				1

# Confirmation Analytical Results





Labo	au	51185		PHO	IE (575) 3	393-2326 ° 101	E. MARLAND ° HOI	8BS, NM 88	240
		Analy	tical Resul	ts For:					
		Bob	ety & Environm Allen East Clinton	nental Solutions					
		Hob	bs NM, 88240	) 393-4388					
Received:	12/02/20				npling Da		11/25/2	2014	
Reported: Project Name:	12/05/20 JMB MER	14 CHANT GAP 25			npling Ty npling Co	/pe: ondition:	Soil Cool & C	Intact	
Project Number:	JMB-14-0	01				eived By:	Jodi He		
Project Location:	LEA COU	NTY, NM							
Sample ID: C-SP-2 5' BGS (H BTEX 8021B	403668-02 mg/	-	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qua
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes* Total BTEX	<0.150 <0.300	0.150	12/04/2014 12/04/2014	ND ND	5.55	92.6	6.00	2.16	
Surrogate: 4-Bromofluorobenzene (PI TPH 8015M	D 1029 mg/			d By: CK					
Analyte	mg/ Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qua
GRO C6-C10	<10.0	10.0	12/02/2014	ND	196	98.1	200	5.01	-
DRO >C10-C28	<10.0	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctane	128 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	145 9	6 52.1-17	5						
Surregule. 1-Chlorobellabellho	110 /		·						
Cardinal Laboratories								*=Accredi	ted Ana
PLEASE NOTE: Liability and Damages. Cardinal's la	bility and client's e	dusive remedy for any dat	m arising, whether base	d in contract or tort, sha	il be limited t	to the amount paid by	client for analysies. All da	ims, including the	se for negli
any other cause whatboever shall be deemed waive including, without limitation, business interruptions, los daim is based upon any of the above stated reasons or otherw	of use, or loss o	of profits incurred by dient	its subsidiaries, affiliate	s or successors arising o	ut of or relat	ted to the performance			
Celeg D. Ke	no								
ceercy 2.1 Ve									



#### Sample ID: D-SP-1 2.5' BGS (H403668-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.55	92.6	6.00	2.16	
Total BTEX	<0.300	0.300	12/04/2014	ND					

TPH 8015M	mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/02/2014	ND	196	98.1	200	5.01	
DRO >C10-C28	162	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctane	125	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	146	% 52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

12/01/2014

Cool & Intact

Jodi Henson

Soil

REACE NOTE: Liability and Damages. Cardina's liability and directs exclusive remedy for any daim artising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All dams, including those for mappions and any other cause whatower shall be deemed wheed unlikes make in wetting and restored by Cardinal within 1994 (30) days after completion of the applicable service. In no event shall Cardinal label for includent or consequential damages, including, without limitation, busines timenators, load or use or load or prefix based by Cardinal within same damages, and limits based upon any of the above statisf measors or otherwise. Results relate only to the services. The most shall not be produced ecopy in All with written approxil of Cardinal Laboratories.

Colocy D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 12



Celey D. Keene, Lab Director/Quality Manager

Page 5 of 12

		51165	,	PHO	NE (575) 3	93-2326 ° 101	E. MARLAND ° HO	BBS, NM 88	240
		Analy	rtical Resul	lts For:					
		Bob 703 Hob	Allen East Clinton bs NM, 88240	nental Solutions ) 393-4388	•				
Received: Reported: Project Name: Project Number: Project Location:	JMB-14-0 Lea coun	14 CHANT GAP 25 01 NTY, NM		Sar Sar	npling Da npling Ty npling Co nple Rece	pe:	12/01/2 Soil Cool & Jodi He	Intact	
Sample ID: D-SP-3 2.5' BGS BTEX 8021B	(H403668-( mg/l	-	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qual
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.55	92.6	6.00	2.16	
Total BTEX	<0.300	0.300	12/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (PI	TD 102 %	61-154	1						
TPH 8015M	mg/l			d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qual
GRO C6-C10 DRO >C10-C28	<10.0 <10.0	10.0 10.0	12/02/2014 12/02/2014	ND ND	196 200	98.1 99.9	200 200	5.01 8.07	
	<10.0	10.0	12/02/2014	ND	200	33.5	200	0.07	
Surrogate: 1-Chlorooctane	124 % 136 %								
Cardinal Laboratories	d unless made in w s of use, or loss of	riting and received by Co profits incurred by client	ardinal within thirty (30) I, its subsidiaries, affiliate	days after completion or is or successors artsing of	f the applicable out of or relati	e service. In no ever ed to the performance	client for analyses. All di it shall Cardinal be liable	for incidental or	se for neglig consequential
Cellery D. Ke									

Labo	rato	ories		PHO	NE (575) 3	393-2326 ° 101	E. MARLAND ° HOI	3BS, NM 88	240
		Analy	rtical Resul	ts For:					
		Bob 703 Hob	Allen East Clinton bs NM, 88240	nental Solutions ) 393-4388	1				
Received: Reported: Project Name: Project Number: Project Location:	12/02/201 12/05/201 JMB MERC JMB-14-00 LEA COUN	14 Chant gap 25 D1		Sar Sar			12/01/2 Soil Cool & Jodi He	Intact	
Sample ID: D-SP-4 3' BGS (I BTEX 8021B	H403668-06 mg/k	-	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quali
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.55	92.6	6.00	2.16	
Total BTEX	<0.300	0.300	12/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (P									
TPH 8015M	mg/k		-	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Quali
GRO C6-C10	<10.0	10.0	12/02/2014	ND	196	98.1 99.9	200	5.01	
DRO >C10-C28	44.1	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctane	124 %	47.2-15	7						
Surrogate: 1-Chlorooctadecane	139 %	52.1-17	б						
Cardinal Laboratories PLSKE NOTE: Liabity and Damages. Cardinal's any other case whetpower shall be demend was including, which limitation, basines interruptions, it daim is based upon any of the above stated measure or other	ved unless made in w css of use, or loss of	tting and received by Co profits incurred by client	ardinal within thirty (30) 1, its subsidiaries, affiliate	days after completion or s or successors artsing of	the applicable ut of or relation	e service. In no even ted to the performance	client for analyses. All da it shall Cardinal be liable	for incidental or	se for neglige consequential
Colog D. K.	ene-								

Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         QC           Benzene*         <0.050         0.050         12/04/2014         ND         1.91         95.5         2.00         2.41           Toluene*         <0.050         0.050         12/04/2014         ND         1.89         94.5         2.00         1.78           Ethylbenzene*         <0.050         0.050         12/04/2014         ND         1.81         90.4         2.00         2.07           Total Xylenes*         <0.150         0.150         12/04/2014         ND         5.55         92.6         6.00         2.16           Total Xylenes*         <0.300         0.300         12/04/2014         ND         5.55         92.6         6.00         2.16           Surrogate: 4-Bromofluorobenzene (PID         102 %         61-154         102 %         61-154         102 %         61-154           TPH 8015M         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         0           SRO C6-C10         <10.0         10.0         12/02/2014         ND         196		rate	ories		PHO	IE (575) 3	93-2326 ° 101	E. MARLAND ° HOE	3BS, NM 88	240
Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388         Received:       12/02/2014       Sampling Date:       12/01/2014         Reported:       12/05/2014       Sampling Type:       Soil         Project Name:       JMB MERCHANT GAP 25       Sampling Condition:       Cool & Intact         Project Name:       JMB-14-001       Sampling Condition:       Cool & Intact         Project Name:       JMB-14-001       Sampling Condition:       Cool & Intact         Project Location:       LEA COUNTY, NM       Sample Received By:       Jodi Henson         Sample DD: D-SP-5 3' BGS (H403668-07)       BTEX 80218       mg/kg       Analyzed Method Blank       BS       % Recovery       Tue Value QC       RPD       0         Senzene*       <0.050       0.050       12/04/2014       ND       1.91       95.5       2.00       2.41         Folal Mylene*       <0.050       0.050       12/04/2014       ND       1.89       94.5       2.00       1.76         Startogate: 4-Bromofluorobenzene (PID       012%       01-154       1.55       9.6       6.00       2.16         Surrogate: 4-Bromofluorobenzene (PID       102%       01-154       ND       1.85       % Recovery       Tue Value QC			Analy	tical Resul	lts For:					
703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388         Received:       12/02/2014 12/05/2014       Sampling Date:       12/01/2014 Sampling Type:       Soil         Project Name:       JMB MERCHANT GAP 25 Project Number:       Sampling Type:       Soil       Col & Intact         Project Number:       JMB-14-001 Project Location:       LEA COUNTY, NM       Sampling Coldition:       Col & Intact         Sample Received By:       Jodi Henson         Stress of the Country, NM         Sampling Condition:       Col & Intact										
Hobbs NM, 88240 Fax To: (575) 393-4388         Received:       12/02/2014       Sampling Date:       12/01/2014         Reported:       12/05/2014       Sampling Type:       Soil         Project Name:       JMB MERCHANT GAP 25       Sampling Condition:       Cool & Intact         Project Number:       JMB-14-001       Sample Received By:       Jodi Henson         Project Location:       LEA COUNTY, NM       Sample Received By:       Jodi Henson         Sterk 80216       mg/kg       Analyzed By: CK         Analyze       Resout Reporting Limit       Analyzed By: CK       No       1.91       95.5       2.00       2.41         Foldenee*        0.050       12/04/2014       ND       1.89       94.5       2.00       1.78         Ethylbenzene*        0.050       12/04/2014       ND       1.81       90.4       2.00       2.07         Starrogate:        0.150       12/04/2014       ND       1.81       90.4       2.00       2.07         Starrogate:        0.150       12/04/2014       ND       5.55       92.6       6.00       2.16         Starrogate:        0.150       12/04/2014       ND										
Fax To:       (575) 393-4388         Received:       12/02/2014         Reported:       12/05/2014         Project Name:       JMB MERCHANT GAP 25         Project Name:       JMB MERCHANT GAP 25         Project Number:       JMB-14-001         Project Location:       LEA COUNTY, NM         Sampling Condition:         Cool & Intact         Sample Received By:         Sample Received By:         Sample ID: D-SP-5 3' BGS (H403668-07)         Sample Received By:         Sample Received By:         Sample Received By:         Analyzed Method Blank BS % Recovery True Value QC RPD         Analyte       Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery       True Value QC       RPD       QC         Benzene*       <0.050       0.050       12/04/2014       ND       1.81       90.4       2.00       2.07         Total Xylenes*       <0.050       0.050       12/04/2014       ND       5.5       92.6       6.00       2.16         Total Xylenes*         61-134          mg/kg										
Reported:       12/05/2014       Sampling Type:       Soil         Project Name:       JMB MERCHANT GAP 25       Sampling Type:       Soil         Project Number:       JMB-14-001       Sampling Type:       Soil         Project Location:       LEA COUNTY, NM       Sample Received By:       Jodi Henson         Sample ID: D-SP-5 3' BGS (H403668-07)       sample Received By:       Jodi Henson         Statz 80218       mg/kg       Analyzed By: CK         Analyze       Result       Reporting Limit       Analyzed By: CK         Senzene*       <0.050       0.050       12/04/2014       ND       1.91       95.5       2.00       2.41         Toluene*       <0.050       0.050       12/04/2014       ND       1.89       94.5       2.00       1.78         Ethylbenzene*       <0.050       0.050       12/04/2014       ND       1.81       90.4       2.00       2.07         Total Xylenes*       <0.150       0.12/04/2014       ND       5.55       92.6       6.000       2.16         Surrogate: 4-Bromofluorobenzene (PID       102 %       61-154       Malyzed By: CK       Malyzed By: CK       Malyzed By: CK       Malyzed Soil 2.00       5.01       200       5.01         SRO C										
Project Name:       JMB MERCHANT GAP 25 Project Number:       Sampling Condition:       Cool & Intact Jodi Henson         Project Number:       JMB-14-001 Project Location:       LEA COUNTY, NM       Sample Received By:       Jodi Henson         Sample ID: D-SP-5 3' BGS (H403668-07) BTEX 80218       mg/kg       Analyzed By: CK         Analyte       Result       Reporting Limit       Analyzed       Method Blank       BS       % Recovery       True Value QC       RPD       O         Senzene*       < 0.050								12/01/2	2014	
Project Number:       JMB-14-001       Sample Received By:       Jodi Henson         Project Location:       LEA COUNTY, NM       Sample Received By:       Jodi Henson         Sample ID: D-SP-5 3' BGS (H40368-07)       mg/kg       Analyzed By: CK       CK         Analyte       Result       Reporting Limit       Analyzed By: CK       True Value QC       RPD       QC         Benzene*       <0.050       0.050       12/04/2014       ND       1.91       95.5       2.00       2.41         Foluene*       <0.050       0.050       12/04/2014       ND       1.89       94.5       2.00       1.78         Ethylbenzene*       <0.050       0.050       12/04/2014       ND       1.81       90.4       2.00       2.07         Total Xylenes*       <0.050       0.300       12/04/2014       ND       5.55       92.6       6.00       2.16         Surrogate: <i>Broghtuorobenzene (PID 102</i> % <i>61-134</i> ND       1.81       90.4       2.00       2.00       2.16         Surrogate: <i>Broghtuorobenzene (PID 102</i> % <i>61-134</i> ND       1.81       90.4       200       5.01       0         Surrogate: <i>Broghtuorobenzene (PID</i> <td></td>										
Project Location:         LEA COUNTY, NM           Sample ID: D-SP-5 3' BGS (H4U3668-07)         Analyzed         Analyzed By: CK           Analyzed         mg/kg         Analyzed By: CK         Resourt         <	-									
BTEX 80218         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         Result           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         QC           Benzene*         <0.050         0.050         12/04/2014         ND         1.91         95.5         2.00         2.41           Toluene*         <0.050         0.050         12/04/2014         ND         1.89         94.5         2.00         1.78           Ethylbenzene*         <0.050         0.050         12/04/2014         ND         5.55         92.6         6.00         2.10           Total Xylenes*         <0.030         12/04/2014         ND         5.55         92.6         6.00         2.16           Sturrogate: 4-Bromofluorobenzene (PID         102 *         61-154          ND         100         100         12/04/2014         ND         100         100         100         100         100         100         12/04/2014         ND         ND         100         100         100         100         100         100         100         100         100	-				- Cal	ipie nee		Joanna		
Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         QC           Benzene*         <0.050	Sample ID: D-SP-5_3' BGS (	H403668-0	7)							
Benzene*       < 0.050       0.050       12/04/2014       ND       1.91       95.5       2.00       2.41         Toluene*       < 0.050	BTEX 8021B									
Toluene*       <0.050       0.050       12/04/2014       ND       1.89       94.5       2.00       1.78         Ethylbenzene*       <0.050										Qu
Ethylbenzene*       < 0.050       0.050       12/04/2014       ND       1.81       90.4       2.00       2.07         Total Xylenes*       < 0.150       0.150       12/04/2014       ND       5.55       92.6       6.00       2.16         Total BTEX       < 0.300       0.300       12/04/2014       ND       5.55       92.6       6.00       2.16         Surrogate:       4.Bromofluorobenzene (PID       102 %       61-154       Malyzed By: CK       CK         Analyte       Result       Reporting Limit       Analyzed By: CK       Size (CC)       Size (CC)<										
Total Xylenes*         <0.150         0.150         12/04/2014         ND         5.55         92.6         6.00         2.16           Total BTEX         <0.300										
Total BTEX         <0.300         0.300         12/04/2014         ND           Surrogate: 4-Bromofluorobenzene (PID         102 %         61-154           mg/kg         Analyzed By: CK         Method Blank         BS         % Recovery         True Value QC         RPD         O           Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         O           SRO C6-C10         <10.0         12/02/2014         ND         196         98.1         200         5.01           DRO >C10-C28         <10.0         10.0         12/02/2014         ND         200         99.9         200         8.07           Surrogate: 1-Chlorooctane         122 %         47.2-157         47.2-157         47.2-157         47.2-157										
Surrogate: 4-Bromofluorobenzene (PID         102 %         61-154           mg/kg         Analyzed By: CK           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD         0           GRO C6-C10         <10.0						5.55	52.0	0.00	2.10	
Surrogate: 1-Chlorooctane 122 % 47.2-157	GRO C6-C10							-		Qu
-	DRO >C10-C28	<10.0	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctadecane 135 % 52.1-176	Surrogate: 1-Chlorooctane	122 9	6 47.2-157	7						
	Surrogate: 1-Chlorooctadecane	135 9	6 52.1-170	5						
	Cardinal Laboratories								*=Accredi	tod A
Cardinal Laboratories *= Accredited /		lability and cleath e	dusive remedy for any cisi	m arising, whether have	d in combract or toot, she	be limited *	o the amount raid he			
Cardinal Laboratories *=Accredited /	any other cause whatsoever shall be deemed wa including, without limitation, business interruptions,	ived unless made in i	writing and received by Ca of profits incurred by client,	rdinal within thirty (30) , its subsidiaries, affiliate	days after completion of as or successors artsing of	the applicable ut of or relat	e service. In no ever ed to the performance	nt shall Cardinal be llable t	for incidental or	consequent
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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received: Reported: Project Name: Project Number: Project Location:	12/02/2014 12/05/2014 JMB MERCHANT GAP 25 JMB-14-001 LEA COUNTY, NM	Sampling Date: Sampling Type: Sampling Condition: Sample Received By:	12/01/2014 Soil Cool & Intact Jodi Henson
---------------------------------------------------------------------------------	---------------------------------------------------------------------------------	--------------------------------------------------------------------------------	----------------------------------------------------

#### Sample ID: D-NORTH WALL (H403668-08)

BTEX 8021B	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.55	92.6	6.00	2.16	
Total BTEX	<0.300	0.300	12/04/2014	ND					

TPH 8015M	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/02/2014	ND	196	98.1	200	5.01	
DRO >C10-C28	<10.0	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctane	117	% 47.2-15	7						

52.1-176

-		
Surrogate:	1-Chlorooctadecane	129 %

\*=Accredited Analyte

REASE NOTE: Lability and Damages. Cardina's lability and clerks enclasive remedy for any daim stating, whether based in contract or tort, shall be limited to the amount paid by clerk for analyses. All daims, including these for negligence and any other cause wheteorem shall be deemed wheted clerks made in writing and meseled by Cardinal within 1991 (30) days after completion of the explicable service. In no event shall Cardinal belief point including, whitout limitable, business interruptions, loss of use, or loss of profile incurred by Cardinal within 1991 (30) days after the exploses atting out of or related to the performance of the services hereunder by Cardinal, regardless of whether such daim Is based upon any of the above statem cleanes or clerenke. Results related only the tampited down: This reprodued cardinal lub writims approved of cardinal luborations.

Celeg D. Keine

Cardinal Laboratories

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 12

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Labo	rato	ories		PHO	NE (575) 3	393-2326 ° 101	E. MARLAND ° HO	BBS, NM 88	240
		Analy	tical Resul	ts For:					
				ental Solutions					
			Allen East Clinton						
			bs NM, 88240	202 4200					
		Fax	10: (5/5)	393-4388					
Received: Reported:	12/02/203 12/05/203				npling Da npling Ty		12/01/2 Soil	2014	
Project Name:		CHANT GAP 25			npling Co		Cool & I	Intact	
Project Number:	JMB-14-0			Sar	nple Rec	eived By:	Jodi He	nson	
Project Location:	LEA COUN	NIY, NM							
Sample ID: D-SOUTH WALL ( BTEX 8021B				d Rus CK					
Analyte	mg/l Result	Reporting Limit	Analyze	d By: CK Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/04/2014	ND	1.91	95.5	2.00	2.41	Quantité
Toluene*	<0.050	0.050	12/04/2014	ND	1.89	94.5	2.00	1.78	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.81	90.4	2.00	2.07	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.55	92.6	6.00	2.16	
Total BTEX	<0.300	0.300	12/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (Pl	ID 102 %	61-154							
TPH 8015M	mg/l	g	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	12/02/2014	ND	196	98.1	200	5.01	
DRO >C10-C28	<10.0	10.0	12/02/2014	ND	200	99.9	200	8.07	
Surrogate: 1-Chlorooctane	121 %	47.2-15	7						
Surrogate: 1-Chlorooctadecane	132 %	52.1-170	õ						
Cardinal Laboratories								*=Accredi	ted Analy
PLEASE NOTE: Liability and Damages. Cardina's li any other cause whatsoever shall be deemed waive induding, without limitation, business interruptions, los daim is based upon any of the above stated nessons or otherw	d unless made in w s of use, or loss of	riting and received by Ca profits incurred by client,	dinal within thirty (30) Its subsidiaries, affiliate	days after completion of s or successors artsing of	f the applicable out of or relat	e service. In no ever and to the performance	t shall Cardinal be llable	for incidental or	consequential da
Celeog D. Ke	n.c.								
0									



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

#### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report



#### \*=Accredited Analyte

RERE NOTE: Lability and Damages. Cardina's lability and clerits exclusive remedy for any daim attaing, whether based in contract or lort, aftail be limited to the amount paid by client for analyses. All daims, including those for megiginos and any other cause whethouse shall be deemed whethout uses made in writing and monoted by Cardinal within 1994 (30) days aftair completion of the applicable service. In no event shall Cardinal whether is and cardinal be limited by Cardinal whether such charlos, whethout the interplots, labor of use or loss of profix hourned by deet (is autoballed), a dations of uses applicable service. In the services termunder by Cardinal, regardless of whether such charlin is based upon any of the above stated reasons or derived, insults for the services. This import shall not be reproduced eccept in fail with written approval of Cardinal Laboratories.

Celecy D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 11 of 12



## Appendix B C-141

*Merchant Gap 25 State Com #1H December 8, 2014 Mexico* 

1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210		State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-14 Revised August 8, 201			
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	1220 S					Submit 1 Copy to appropriate District Office i accordance with 19.15.29 NMAC			
R	Release Notifi	catio	on and Co	orrective A	ction	1			
N 60 0000			OPERAT		2	Initia	al Report		Final Repo
Name of Company GMT Exploration Address 1560 Broadway, STE 2000, D	0.00000		Contact B.						
Facility Name Merchant Gap 25 Sate c	com 1H		Facility Typ	No. 720-946-3	028				
Surface Owner State of New Mexico						1			
Surface Owner State of New Mexico	and a state of the second		State of Ne			API No	<b>b.</b> 30-025-4	41450	
Unit Letter Section Township Ran			N OF RE						
Unit Letter Section Township Ran M 25 22S 34		Nort	h/South Line South	Feet from the 350		Vest Line Vest	County	Lea	
	Latitude N 32 21	19.93	" Longitud	e W 103 25°52	2.13"				
	NAT	URF	OF REL	EASE					
Type of Release Oil				Release 40 bbls	Est.	Volume R	Recovered 4	0 bbls E	st.
Source of Release Oil Hauler fell asleep wh his tank.	ile loading and overfl	lowed		lour of Occurrent	ce	Date and	Hour of Dis	covery	
Was Immediate Notice Given?			If YES, To	@ 0330 hrs Whom?		10/31/14	- @ 0700 hr	8	
	es 🗌 No Not Re	quired	Tomas Ob						
By Whom? B.J. Cox				lour 10/31/14 - 11					
Was a Watercourse Reached?	X No		If YES, Vo	lume Impacting	the Wate	rcourse.			
If a Watercourse was Impacted, Describe Fu	lly.*								
If a Watercourse was Impacted, Describe Fu Describe Cause of Problem and Remedial Ac During the loading of Oil for sales into a true hauling oil from any GMT locations.	ction Taken *	ll asleej	p, allowing his	tanker to overflo	ow. The	driver has l	been permai	nently rel	leased from
Describe Cause of Problem and Remedial Ac During the loading of Oil for sales into a true hauling oil from any GMT locations. Describe Area Affected and Cleanup Action The majority of the spill was confined to the constructed well pad. All contamination will affected areas to confirm that all the contami and the contaminated soil hauled to a proper	ction Taken.* ck, the truck driver fei Taken.* surface location betw l be excavated until n nated soil has been re disposal facility.	veen the o furthe moved	e well head and er evidence of . At that point	I tank battery. The contamination is , clean native soi	here was evident. I will be	some conta Soil samp brought in	amination ju les will then to replace w	ist off of be taker that was	the from removed,
Describe Cause of Problem and Remedial Ad During the loading of Oil for sales into a true hauling oil from any GMT locations. Describe Area Affected and Cleanup Action The majority of the spill was confined to the constructed well pad. All contamination will affected areas to confirm that all the contami	ction Taken.* ck, the truck driver fei Taken.* surface location betw be excavated until n nated soil has been re disposal facility. www is true and comp rt and/or file certain re tance of a C-141 repo tely investigate and re coeptance of a C-141 repo	een the o furthe moved lete to t elease r ort by th	e well head and er evidence of . At that point the best of my notifications ar ie NMOCD ma	I tank battery. Th contamination is , clean native soi knowledge and u d perform correc rrked as "Final R.	here was evident. I will be inderstan tive action eport " do	some conta Soil sampl brought in d that pursu ons for rele wes not relia	amination ju les will then to replace w uant to NMO asses which eve the oper	ist off of be taker that was DCD rule may end ator of li	the o from removed, es and anger ability
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Describe Cause of Problem and Remedial Ad During the loading of Oil for sales into a true hauling oil from any GMT locations. Describe Area Affected and Cleanup Action The majority of the spill was confined to the constructed well pad. All contamination will flected areas to confirm that all the contami and the contaminated soil hauled to a proper I hereby certify that the information given ab regulations all operators are required to repor public health or the environment. The accept should their operations have failed to adequal or the environment. In addition, NMOCD ac lederal, state, or local laws and/or regulations Signature:	ction Taken.* ck, the truck driver fei Taken.* surface location betw be excavated until n nated soil has been re disposal facility. www is true and comp rt and/or file certain re tance of a C-141 repo tely investigate and re coeptance of a C-141 repo	lete to t enediate report of	e well head and er evidence of . At that point the best of my notifications an e NMOCD me te contaminatio loes not relieve	t tank battery. Ti contamination is , clean native soi d perform correc triked as "Final R on that pose a thn the operator of f OIL CONS Environmental Sp	here was evident. I will be inderstan tive actio eport" de eat to gro responsib SERV/ pecialist:	some conta Soil sampl brought in d that purst ons for rele son trelia und water, soility for co ATION 1	amination jt les will then to replace w uant to NM(6 ases which eve the oper surface wa smpliance w DIVISIO	ist off of be taker what was OCD rule may end ator of li ter, huma ith any o	the o from removed, es and anger ability
Describe Cause of Problem and Remedial Ad During the loading of Oil for sales into a true hauling oil from any GMT locations. Describe Area Affected and Cleanup Action The majority of the spill was confined to the constructed well pad. All contamination will affected areas to confirm that all the contami and the contaminated soil hauled to a proper I hereby certify that the information given ab regulations all operators are required to repor public health or the environment. The accept should their operations have failed to adequat or the environment. In addition, NMOCD ac federal, state, or local laws and/or regulations	ction Taken.* ck, the truck driver fei surface location betw l be excavated until n nated soil has been re disposal facility. sove is true and comp rt and/or file certain re tance of a C-141 repo- tely investigate and re ceceptance of a C-141 n s.	lete to t elease r ort by th emediat	e well head and er evidence of At that point the best of my notifications an e NMOCD ma te contamination loes not relieve Approved by 1	I tank battery. The contamination is , clean native soit knowledge and u d perform correct riked as "Final R on that pose a three the operator of r <u>OIL CONS</u> Environmental Sp	here was evident. I will be inderstan tive actio eport" de eat to gro responsib SERV/ pecialist:	some conta Soil sampl brought in d that purst ons for rele wes not relio yund water, ilility for co ATION	amination jt les will then to replace w uant to NM(6 ases which eve the oper surface wa smpliance w DIVISIO	ist off of be taker that was DCD rule may end ator of li ter, huma ith any o	the o from removed, es and anger ability

Appendix C Site Photographs






































## Appendix D NMOSE Water Column/Average Depth to Water

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(A CLW##### in the POD suffix indicates the	(R=POD has been replaced	d,												-
POD has been replaced & no longer serves a	O≔orphaned, C=the file is	(qua	arter	sa	re	1=N'	W 2=1	VE 3=S	W 4=SE)					
water right file.)	closed)							larges	,	3 UTM in n	neters)	(	(In feet)	
	POD Sub-				Q		a' la					Depth I	Depth V	/ater
POD Number CP 00380	Code basin (	Count LE	y 64				: Tws 22S		X 647245	3586739	Υ * 12.		Water Co 30	
CP 00596		LE					228		647245	3586739	- Health	50	50	10
CP.00597		LE					225		642410	3587074	"088C"	35		
CP 00598		LE					228		646480	3583511	-1999 - 1999 - 1999	70		
CP 00599		LE					228		647642	3587147	1997	62	50	12
CP 00604		LE	1				228		648743	3587666	-2008	135	50	12
CP 00704		LE	•				228		645681	3583097		600		
CP 00744		LE					228		643618	3587091		460		
CP 00751		LE					228		647245	3586739		400	45	
CP 00865		LE	4		_	• •	228		641957	358314		885	605	280
CP 00933		LE					228		647541	3587246	- 388	60	000	200
CP 00934		LE					228		648682	358882		60	42	18
			-	•	-	0.	220	0.2	010002		1.000		154 fee	
										Average [ N		n Depth:	30 fee	
												n Depth:		
Record Count: 12	na waa aan wang pana maa kaan pang										~ ~~ ~~ ~~	***** **** **** ****	r 2000, 9400, 2000, 2000	then over and
Basin/County Searc	<u>h:</u>													
County: Lea														
PLSS Search:														
Township: 22S	Range: 34E													



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(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	i, (qua	arten	's a	ire 1	1=N	W 2=N	NE 3=SW	/ 4=SE)	Depth		(In feet)	
s dia se la constante de la cons	POD Sub-		2010	Q	1314		. A	i.			Depth	Depth W	Vater
POD Number C 03620 POD1	Code basin C C	LE				Sec 32		Rng 34E	X 641790	Y 3569941 🍣	Well 480	Water Co 130	olumn 350
CP 00556	-	LE	4				235		641762	3576206	400	255	242
CP 00580		LE	3				235		646524	3572948* 🚳	220	200	10 <sup>-1</sup> 10
CP 00606		LE		4	1	23	235	34E	646613	3573854* 🎡	650	265	385
CP 00618		LE	1	2	4	22	235	34E	645713	3573539* 🌍	428	295	133
CP 00637		LE	з	3	4	15	235	34E	645293	3574541* 🌺	430	430	0
CP 00872		LE	1	1	1	08	238	34E	641225	3577504* 🌍	500	305	195
CP 01120 POD1		LE	2	3	3	14	238	34E	646366	3574753 🌍	397	318	79
CP 01258 POD1		LE	1	4	3	22	238	34E	645015	3573221 🆓	25		
CP 01258 POD2		LE	1	4	3	22	238	34E	644941	3572883 🆓	65		
CP 01258 POD3		LE	1	4	3	22	238	34E	644941	3572883 🆓	25		
										Average Depth to	Water:	285 fee	ıt
										Minimum		130 fee	
										Maximum	Depth:	430 fee	t 
Record Count: 11 Basin/County Searce County: Lea PLSS Search:	:h:												
Township: 23S	Range: 34E												
						,							

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(A CLW##### in the POD suffix indicates the	(R=POD has been replaced								-			
POD has been replaced	O=orphaned,											
& no longer serves a water right file.)	C=the file is closed)							N 4=SE) () (NAD8	3 UTM in me	ətərs)	(In fee	t)
	POD Sub-		0	a 0	,		1. AM		l A	De	pth Depth	Water
POD Number	Code basin		y 64	16	Se			X	Y	Ý	Vell Water	
CP 00499		LE			23		35E	655875	3573194*		50	
CP 00568 CP 00843		LE	2		09		35E	653908	3576878*		75	
07 00843		LE		4 2	36	235	30E	658729	3570823*		50	
									Average De	epth to Wa nimum De		
										ximum Dej		
Record Count: 3												
Basin/County Search	h:											
County: Lea												
PLSS Search:												
Township: 23S	Range: 35E											
1.44 1.4												

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	419774
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDIT	CONDITIONS								
Created By		Condition Date							
bhall	historical documentation uploaded	1/13/2025							

CONDITIONS

Action 419774

Page 60 of 60