3R-1011

Release Report/ General Correspondence

Enterprise SJ

Date: Oct-Dec 2013

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

State Energy Minerals

₩ Mexico A Natural Resources

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe NIM 97505

Form C-141

Revised August 8, 2011

	1 C, 14W1 87303	
Release Notification	on and Corrective A	Action
•	OPERATOR	☐ Initial Report ☐ Final Report
Name of Company Enterprise Field Services	Contact: Thomas Long	
Address 614 Reilly Ave., Farmington, NM 87401	Telephone No. 505-599-2	286
Facility Name Lateral 6B-10 pipeline segment (Gallegos 203 gathering line)	Facility Type: Natural gas	gathering line
Surface Owner: BLM Mineral Owner	BLM	API No.
		<u></u>
Unit Letter Section Township Range Feet from the Nort	h/South Line Feet from the	East/West Line County
O 13 28N 12W B 24 28N 12W	rect form the	San Juan
Two leaks: Latitude1) N 36.65657; 2) N36.	55390 Longitude 1) W 10	
		76.03731, 2) W 106.03927
	E OF RELEASE	
Type of Release: Natural Gas Condensate, Produced Water	Volume of Release Unkno	244 cubic yards
Source of Release: Pipeline	Date and Hour of Occurren	
	Unknown	Pipe leaks discovered and isolated 8.13.2013 @ 15:00 hours
·		Environmental delineation completed
		8.21.2013 @ 09:00 hours
Was Immediate Notice Given?	If YES, To Whom?	
☐ Yes ☐ No ☒ Not Required	i	
By Whom? Aaron Dailey	Date and Hour	RCUD MOV 27 '13
Was a Watercourse Reached?	If YES, Volume Impacting	the Watercourse. OIL CONS. DIV.
☐ Yes ☒ No		DIST. 3
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Two pipe leal	s were discovered in this segm	ent of well tie pipeline during a routine pipeline
patrol. Line was isolated and LOTO applied during discovery.		
Describe Area Affected and Cleanup Action Taken.* Third party envi		
determine potential impact on soils surrounding pipeline. It is estimated		
hauled to an OCD permitted landfarm. Third party corrective action rep		
I hereby certify that the information given above is true and complete to 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 t		
should their operations have failed to adequately investigate and remedia		
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.		
and the same	OIL CON	<u>ISERVATION DIVISION</u>
Signature: (41 L Seuffert		\wedge \wedge \wedge \wedge
	Approved by Environmental S	Specialist: Una HI Kolly
Printed Name: Torry L. Hurlburt		promise proof Street
Title: Group Sr. Vice President	Approval Date: $\sqrt{15/2014}$	Expiration Date:
Title: Group Sr. Vice President		
E-mail Address: snolan@eprod.com	Conditions of Approval: Fu	the action Attached
	Coursed due to Coase He	SC-4m Middleu L

* Attach Additional Sheets If Necessary

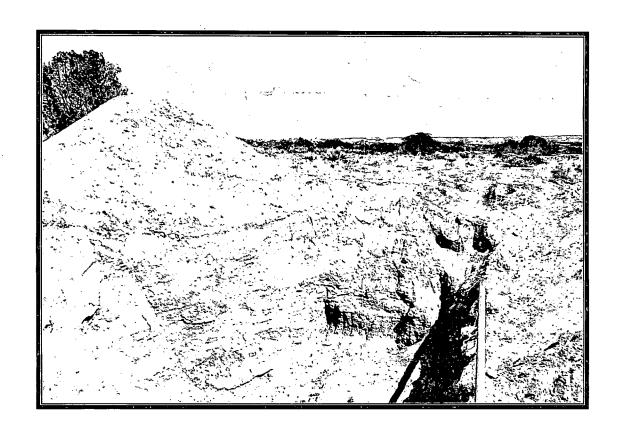
11/21/2013

Phone: 713-381-6595

Required due to results on 50.70m Southern Release Please Contact NMOOD Adec 72 hrs prior to continuing work. NJK1401536138



Enterprise Products Lateral 6B-10 Pipeline Releases Latitude North 36.65657, Longitude West -108.05731 Latitude North 36.65359, Longitude West -108.05927 SE1/4, SE 1/4 Section 13 NE 1/4 NE 1/4 Section 24 T28N R11W San Juan County, New Mexico



Submitted To:

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

Submitted By:

Souder, Miller & Associates 2101 San Juan Boulevard Farmington, NM 87401 (505)325-7535



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1.0 Executive Summary

From August 16, 2013 to September 9, 2013, Souder, Miller & Associates (SMA) responded to two hydrocarbon releases associated with the Lateral 6B-10 pipeline. The table below summarizes information about the release and remediation activities.

TABLE 1: RELEASE INFORMATION							
Name	Lateral 6B-10 Pipeline Release						
Location	Latitude/Longitude Section, Township, Ran						
	36.65657;	-108.05731;	Unit P SE 1/4 SE	T 28N, R 11W			
	36.65359	-108.05927	1/4 Section 13;				
			Unit A NE ¼ NE ¼ Section 24				
Date Reported	August 15, 20)13					
	Aaron Dailey						
Land Owner	Bureau of Lar	nd Management	(BLM)				
Reported To	New Mexico (Oil Conservation	Division (NMOCD)	and BLM			
Diameter of Pipeline	8 inches						
Source of Release	Internal Corro	sion					
Release Contents	Natural Gas L	iquids/Condensa	ate				
Release Volume	Unknown						
Nearest Waterway	Tributary to V	lest Hammond D	Ditch				
Depth to Groundwater	Assumed to b	e less than 50 fe	eet				
Nearest Domestic Water Source	Greater than	200 feet					
NMOCD Ranking	40						
SMA Response Dates	8/16/13, 8/19/	13, 8/27/13, 8/28	3/13, 8/30/13, 9/3/1	3 and 9/9/13			
Subcontractors	West States E	nergy Contracto	ors (WSEC)				
Disposal Facility	Envirotech La	ndfarm					
Yd ³ Contaminated	244						
Soil Excavated and							
Disposed							

2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of two hydrocarbon releases associated with the Lateral 6B-10 pipeline. The Lateral 6B-10 pipeline releases were a result of internal corrosion of the steel pipeline. The releases were reported August 15, 2013. The releases were located in Unit P (NE ¼, NE ¼) Section 13 (Northern) and Unit A (SE ¼, SE ¼) Section 24 (Southern)Township 28 North, Range 11 West, 36.65657, -108.05731 and 36.65359, -108.05927, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of each release.

3.0 Site Ranking and Land Jurisdiction

The release sites are located in a tributary of Horn Canyon Wash on land owned BLM with an elevation of approximately 5,600 feet above sea level. After evaluation of the sites 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 in Sections 13, 18, 19 and 24. The physical location of this release is within the jurisdiction of BLM and NMOCD. These release locations have been assigned a NMOCD ranking of 40 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 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

4.0 Summary of Field Activities

On August 16, 2013, SMA mobilized to the northern release site to delineate the release using a hand auger to install soil borings and collect soil samples. A total of nine soil borings were installed ranging from five to nine feet below ground surface (bgs). Soil samples were collected at one foot intervals for field screening with a calibrated photo ionization detector (PID).

On August 19, 2013, SMA mobilized to the southern release site to delineate the release using a hand auger to install soil borings and collect soil samples. A total of eight soil borings were installed ranging from three to five feet bgs. Auger holes did not stay open due to the loose sands and gravels and soil samples from depths more than five feet bgs could not be obtained. Soil samples were collected at one foot intervals for

field screening with a calibrated PID. Field notes for both events are included in Appendix A

A summary of the delineation activities, including diagrams illustrating the locations of soil borings, field sample results, proposed excavation areas and estimated volumes was supplied to field personnel to guide remediation activities for both release sites. Figures 2 and 3 are the diagrams for each release site. Tables 3 and 4 summarize the field screening results.

From August 27, 2013 to September 9, 2013, under the supervision of SMA, WSEC excavated the hydrocarbon impacted soils associated with the two release sites. SMA personnel guided the excavation activities by collecting soil samples for field screening with a calibrated PID. Tables 3 and 4 summarize the field screening results. After field screening results indicated that the hydrocarbon impacted soil had been removed, SMA collected five composite soil samples from the northern excavation and seven composite soil samples from the southern excavation for laboratory analysis. 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 4 and Figure 5 illustrates the extent of each excavation and composite soil sample locations and laboratory results.

The final excavation dimensions for the northern release site were 32 feet long by 13 feet wide by 7 feet deep. The final excavation dimensions for the southern release site were 43 feet long by 27 feet wide by 12 to 18 feet deep. Site photography is included in Appendix B. A total of approximately 244 cubic yards of hydrocarbon contaminated soil were excavated from the excavations 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

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 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH. Based on laboratory analysis, all of the soil samples collected except SC-5 (Base @ 200 ppm DRO) from the northern excavation and SC-4 (South Wall @ 820 ppm DRO) from the southern excavation were below laboratory detection limits. Field screening results for SC-4 (101 ppm) and SC-5 (69 ppm) indicate contaminant concentrations at or below the NMOCD field screening closure levels. Soil contaminant concentrations are illustrated in Figure 4 and Figure 5. A summary of laboratory

analysis is included in Tables 5 and Table 6. 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 Thomas Long or Reid Allan at 505-325-7535.

Submitted by:

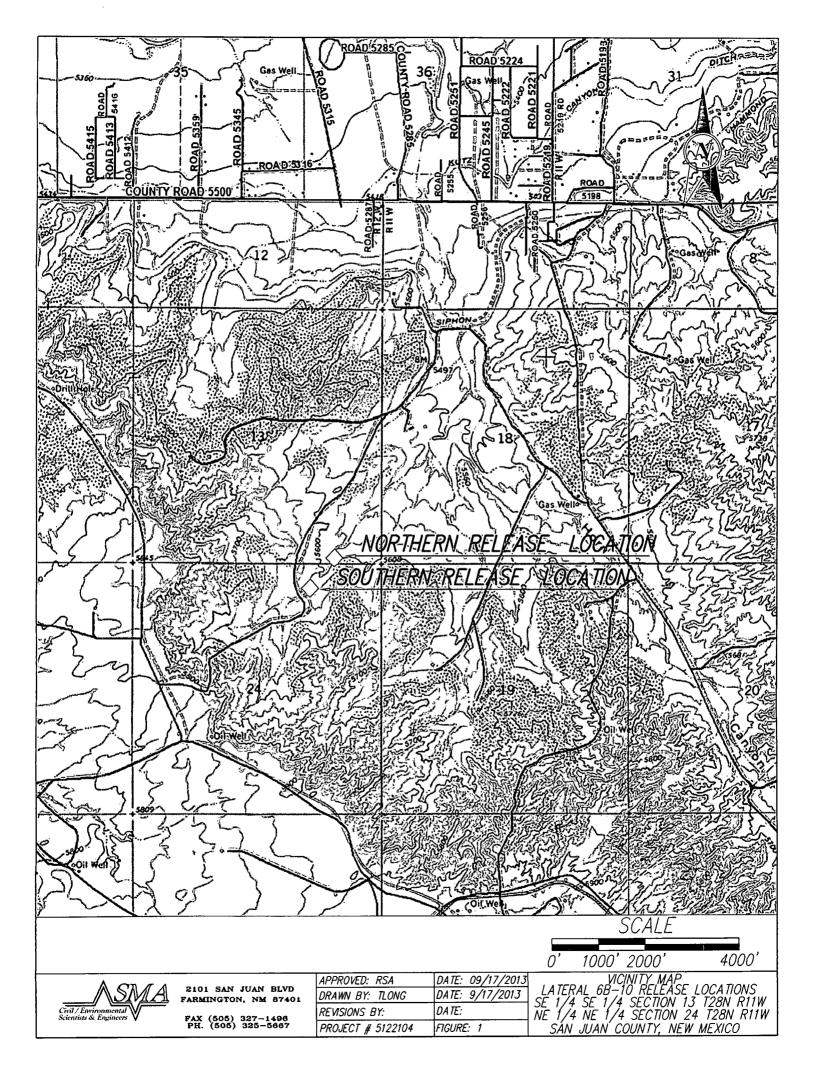
Reviewed by:

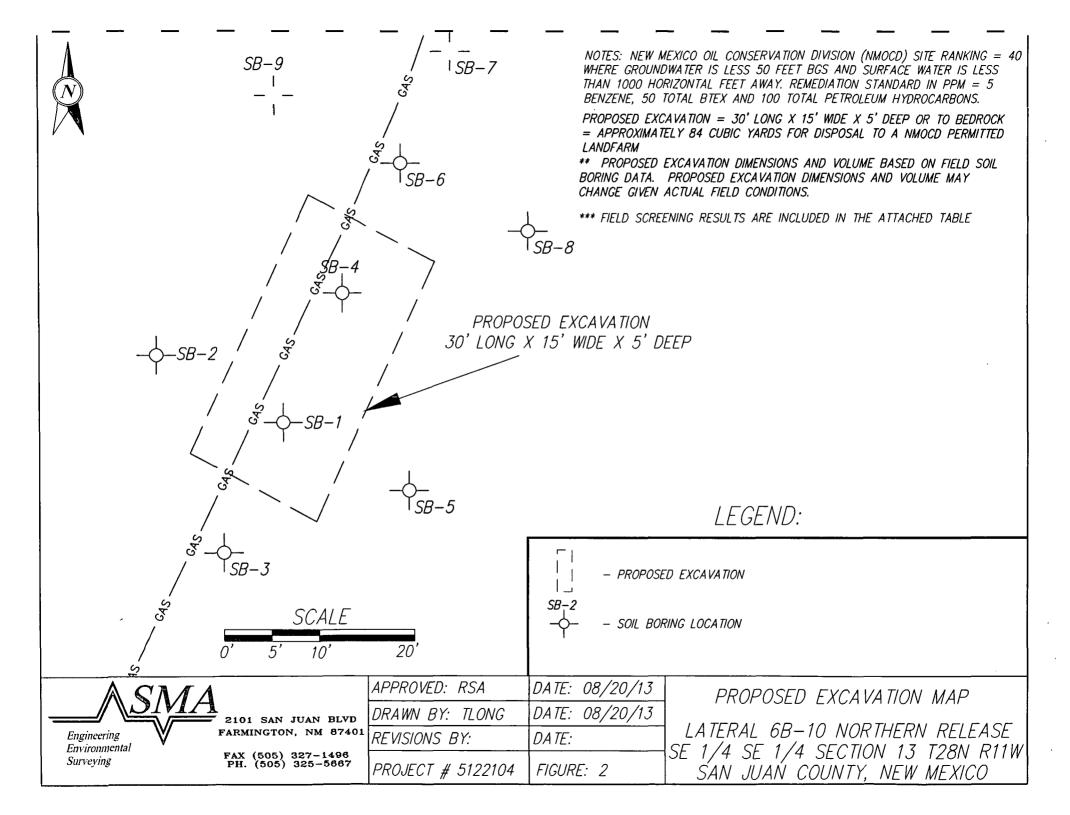
SOUDER, MILLER & ASSOCIATES

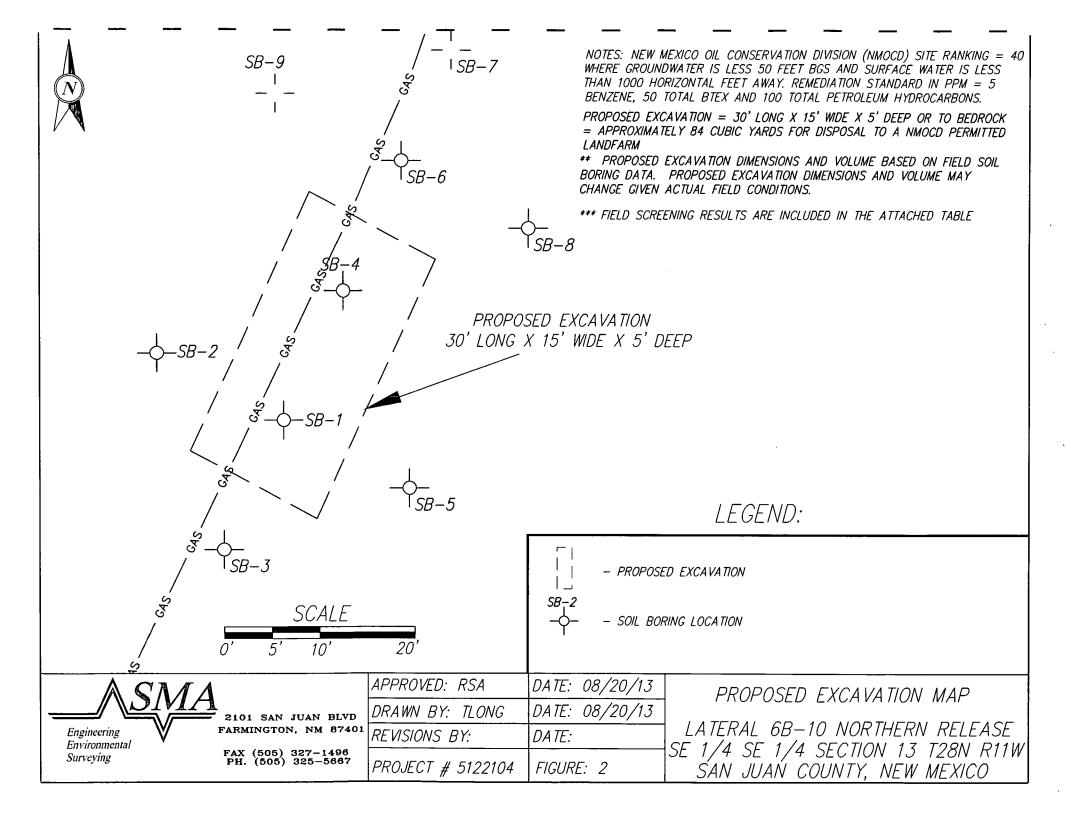
Thomas J. Long Project Scientist

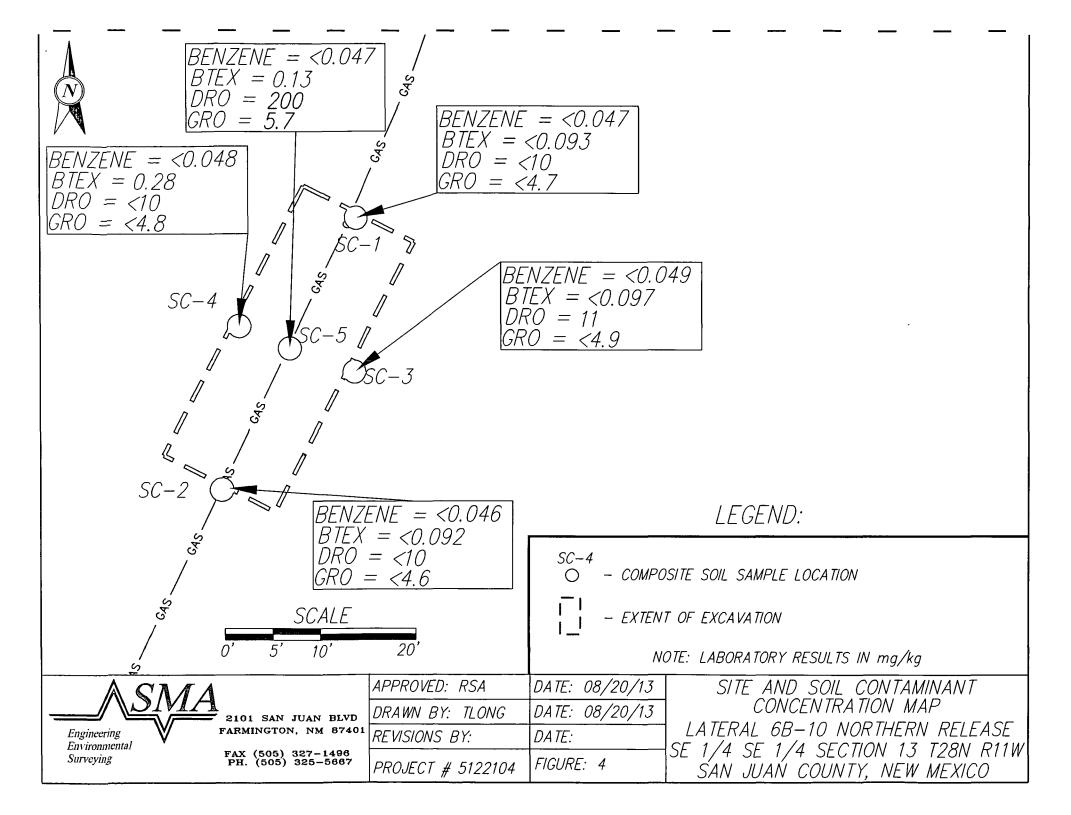
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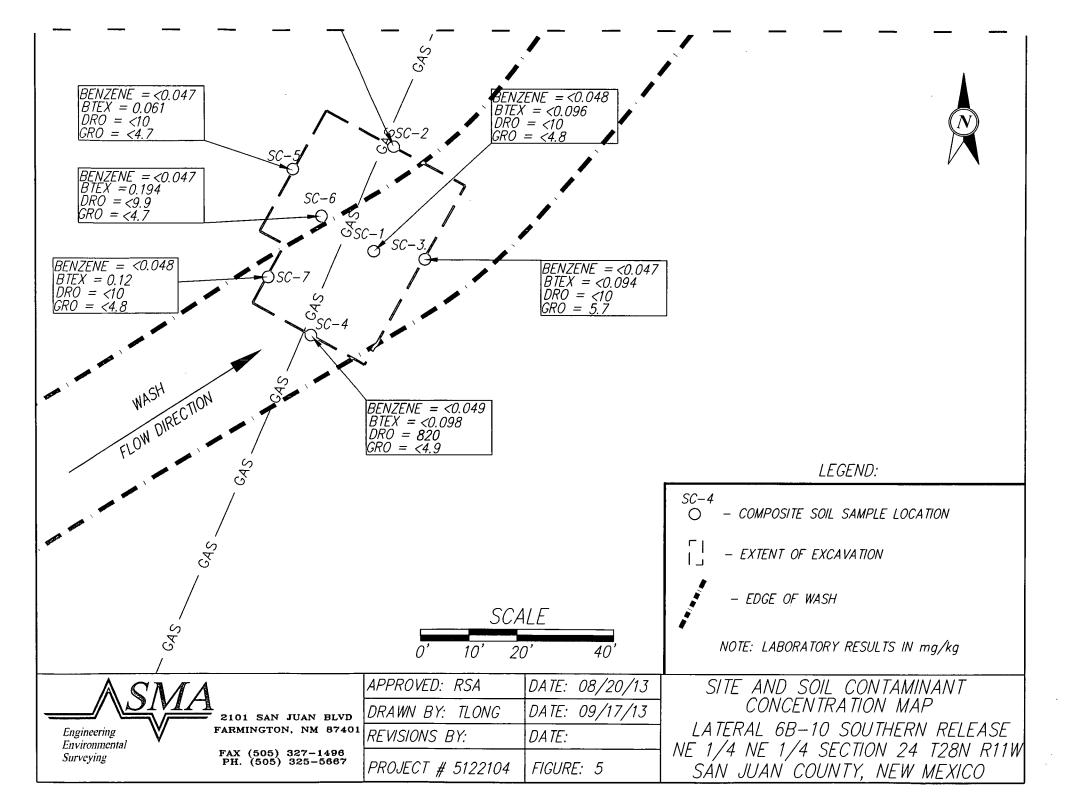
Reid S. Allan, PG Principal Scientist











Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes		
< 50 BGS = 20	20	LISCS Tana Manay Canada			
50' to 99' = 10		USGS Topo Maps; Google Earth	Release location in within a wash		
>100' = 0					
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NIVIOCD Numeric Rank for	Source for Ranking	Notes		
< 200' = 20	20	USGS Topo Maps; Google			
200'-1000' = 10		Earth ; PRCC Mapping Tool	Release location in within a wash		
>1000'					
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 Wells in Sections 24, 13, 18 or 19		
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		



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

		1			
Date	Time	Field Screening Reference	Sample Depth	PID	Comments
			(Feet BGS)	Results	-
8/16/2013	15:17	SB-1	2	1847.0	
8/16/2013	15:18	SB-1	3	736.0	
8/16/2013	15:19	SB-1	4	547.0	
8/16/2013	15:20	SB-1	5	516.0	
8/16/2013	15:22	SB-2	2	87.0	
8/16/2013	15:23	SB-2	3	47.0	
8/16/2013	15:24	SB-2	4	41.0	
8/16/2013	15:25	SB-2	5	50.0	
8/16/2013	15:29	SB-3	2	92.0	Heavy Staining
8/16/2013	15:30	SB-3	3	80.0	Heavy Staining
8/16/2013	15:31	SB-3	4	44.0	Heavy Staining
8/16/2013	15:32	SB-3	5	74.0	Heavy Staining
8/16/2013	15:36	SB-4	2	87.0	Heavy Staining
8/16/2013	15:37	SB-4	3	116.0	Heavy Staining
8/16/2013	15:38	SB-4	4	181.0	Heavy Staining
8/16/2013	15:39	SB-4	5		
				56.0	Heavy Staining
8/16/2013	15:43	SB-5	2	143.0	Heavy Staining
8/16/2013	15:44	SB-5	3	92.0	Heavy Staining
8/16/2013	15:46	SB-5	4	49.0	Heavy Staining
8/16/2013	15:47	SB-5	5	39.0	Heavy Staining
8/16/2013	16:40	SB-5	6	29.0	Heavy Staining
8/16/2013	16:41	SB-5	7	28.0	Heavy Staining
8/16/2013	16:42	SB-5	8	52.0	Heavy Staining
8/16/2013	16:43	SB-5	9	35.0	Heavy Staining
8/16/2013	15:54	SB-6	2	89.0	Heavy Staining
8/16/2013	15:55	SB-6	3	88.0	Heavy Staining
8/16/2013	15:56	SB-6	4	49.0	Heavy Staining
8/16/2013	15:57	SB-6	5	23.0	Heavy Staining
8/16/2013	16:03	SB-7	2	74.0	Heavy Staining
8/16/2013	16:04	SB-7	3	61.0	Heavy Staining
8/16/2013	16:05	SB-7	4	28.0	Heavy Staining
8/16/2013	16:07	SB-7	5	20.0	Heavy Staining
8/16/2013	16:11	SB-8	2	63.0	Heavy Staining
8/16/2013	16:12	SB-8	3	52.0	Heavy Staining
8/16/2013	16:13	SB-8	4	41.0	Heavy Staining
8/16/2013	16:14	SB-8	5	42.0	Heavy Staining
8/16/2013		SB-9	2	.	, ,
	16:23 16:27		3	53.0 28.0	Heavy Staining Heavy Staining
8/16/2013		SB-9			, ,
8/16/2013	16:28	SB-9	4	24.0	Heavy Staining
8/16/2013	16:29	SB-9	5	43.0	Heavy Staining
8/27/2013	11:25	S-1 (North Wall)	2 to 5	123.0	
8/27/2013	11:27	S-2 (South Wall)	2 to 5	1126.0	
8/27/2013	11:29	S-3 (East Wall)	2 to 5	985.0	
8/27/2013	11:31	S-4 (West Wall)	2 to 5	1293.0	
8/27/2013	11:33	S-5 (Base)	5	882.0	
8/28/2013	13:35	S-1 (North Wall)	2 to 6	95.0	
8/28/2013	13:37	S-2 (South Wall)	2 to 6	436.0	
8/28/2013	13:39	S-3 (East Wall)	2 to 6	537.0	
8/28/2013	13:41	S-4 (West Wall)	2 to 6	387.0	
8/28/2013	13:43	S-5 (Base)	6	684.0	
9/3/2013	10:27	SC-1 (North Wall)	1 to 7	3.8	Lab Sample Collected
9/3/2013	10:29	SC-2 (South Wall)	1 to 7	12.9	Lab Sample Collected
9/3/2013	10:30	SC-3 (East Wall)	1 to 7	104.0	Lab Sample Collected
9/3/2013	10:31	SC-4 (West Wall)	1 to 7	107.0	Lab Sample Collected
9/3/2013	10:33	SC-5 (Base)	1 to 7	101*	Lab Sample Collected

^{*} Denotes Lab Sample that Exceeds TPH remediation standards



Enterprise Products Table 4: Summary of Field Screeing Results (PPM)

Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Comments
8/19/2013	9:55	SB-1	1	123.0	Heavy Staining
8/19/2013	9:56	SB-1	2	1718.0	Heavy Staining
8/19/2013	9:57	SB-1	3	4337.0	Heavy Staining - Auger Refusal
8/19/2013	10:04	SB-2	1	1399.0	Heavy Staining
8/19/2013	10:05	SB-2	2	954.0	Heavy Staining
8/19/2013	10:06	SB-2	3	982.0	Heavy Staining - Auger Refusal
8/19/2013	10:14	SB-3	1	1907.0	Heavy Staining
8/19/2013	10:15	SB-3	2	1301.0	Heavy Staining
8/19/2013	10:16	SB-3	3	1267.0	Heavy Staining
8/19/2013	10:16	SB-3	4	758.0	Heavy Staining
8/19/2013	10:17	SB-3	5	537.0	Heavy Staining
8/19/2013	10:28	SB-4	1	899.0	Heavy Staining
8/19/2013	10:29	SB-4	2	543.0	Heavy Staining
8/19/2013	10:30	SB-4	3	285.0	Heavy Staining
8/19/2013	10:47	SB-4	4	125.0	Heavy Staining
8/19/2013	NA	SB-5	1	NA	
8/19/2013	10:55	SB-5	2	467.0	Heavy Staining - Auger Refusal
8/19/2013	11:07	SB-6	1	252.0	
8/19/2013	11:08	SB-6	2	32.0	
8/19/2013	11:09	SB-6	3	17.6	•
8/19/2013	11:10	SB-6	4	23.2	
8/19/2013	11:27	SB-7	1	6.6	
8/19/2013	11:28	SB-7	2	2.6	
8/19/2013	11:29	SB-7	3	8.8	
8/19/2013	11:30	SB-7	4	14.3	
8/19/2013	11:31	SB-7	5	17.6	
8/19/2013	11:33	SB-8	1	39.2	Heavy Staining
8/19/2013	11:34	SB-8	2	132.0	Heavy Staining
8/19/2013	11:35	SB-8	3	83.2	Heavy Staining
8/19/2013	11:36	SB-8	4	64.2	Heavy Staining Auger Refusal
8/27/2013	10:37	S-1 (North Wall)	2 to 6	3840.0	-
8/27/2013	10:39	S-2 (West Wall)	2 to 6	409.0	North Side of Excavation
8/27/2013	10:41	S-3 (West Wall)	2 to 6	681.0	South Side of Excavation
8/27/2013	10:43	S-4 (South Wall)	2 to 6	705.0	
8/27/2013	10:45	S-5 (East Wall)	2 to 6	964.0	North Side of Excavation
8/27/2013	10:47	S-6 (East Wall)	2 to 6	914.0	South Side of Excavation
8/27/2013	10:49	S-7 (Base)	6	3849.0	North Side of Excavation
8/27/2013	10:51	S-8 (Base)	6	>10,000	South Side of Excavation

8/28/2013	13:35	S-1 (North Wall)	2 to 6	95.0	
8/28/2013	13:37	S-2 (South Wall)	2 to 6	436.0	
8/28/2013	13:39	S-3 (East Wall)	2 to 6	537.0	
8/28/2013	13:41	S-4 (West Wall)	2 to 6	387.0	
8/28/2013	13:43	S-5 (Base)	6	684.0	
8/30/2013	13:45	S-1 (North Wall)	2 to 6	413.0	
8/30/2013	13:47	S-2 (South Wall)	2 to 6	12.0	
8/30/2013	13:46	S-3 (East Wall)	2 to 6	53.0	
8/30/2013	13:48	S-4 (West Wall)	2 to 6	548.0	
8/30/2013	13:50	S-5 (Base)	6	667.0	
9/3/2013	11:19	S-1 (South Wall)	2 to 9	51.0	
9/3/2013	11:21	S-2 (East Wall)	2 to 9	63.0	North Side of Excavation
9/3/2013	11:23	S-3 (East Wall)	2 to 9	41.0	South Side of Excavation
9/3/2013	11:25	S-4 (West Wall)	2 to 9	3223.0	South Side of Excavation
9/3/2013	11:31	S-5 (West Wall)	2 to 9	2664.0	North Side of Excavation
9/3/2013	11:33	S-6 (North Wall)	2 to 9	146.0	
9/3/2013	11:35	S-7 (Base)	10	4032.0	North Side of Excavation
9/3/2013	11:37	S-8 (Base)	10	153.0	South Side of Excavation
9/3/2013	12:13	S-9 (Base)	11	1323.0	North Side of Excavation
9/3/2013	12:14	S-10 N. W. Wall	2 to 10	3823.0	
9/9/2013	11:00	SC-1 (East Base)	12	3.0	Lab Sample Collected
9/9/2013	11:03	SC-2 (North Wall)	0 to 12	6.0	Lab Sample Collected
9/9/2013	11:08	SC-3 (East Wall)	0 to 12	9.0	Lab Sample Collected
9/9/2013	11:12	SC-4 (South Wall)	0 to 12	69*	Lab Sample Collected
9/9/2013	11:20	SC-5 (West Wall)	0 to 12	123.0	Lab Sample Collected
9/9/2013	11:33	SC-6 (West Base)	18	114.0	Lab Sample Collected
9/9/2013	11:35	SC-7 (S.W. Wall)	0 to 18	79.0	Lab Sample Collected

^{*} Denotes Lab Sample that Exceeds TPH remediation standards

Enterprise Products Table 5: Summary of Laboratory Analysis Results in mg/Kg (ppm)

Lateral 6B-10 Pipeline Northern Release 10/30/2013

Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
9/3/2013	10:27	SC-1	1 to 7	<4.7	<10	<0.047	<0.093
9/3/2013	10:29	SC-2	1 to 7	<4.6	<10	<0.046	<0.092
9/3/2013	10:30	SC-3	1 to 7	<4.9	11	<0.049	<0.097
9/3/2013	10:31	SC-4	1 to 7	<4.8	<9.9	<0.048	0.28
9/3/2013	10:33	SC-5	7	5.7	200	<0.047	0.13



Lateral 6B-10 Pipeline ysis Southern Release 10/30/2013

Enterprise Products Table 6: Summary of Laboratory Analysis Results in mg/Kg (ppm)

	LABORATORY ANALYTICAL SUMMARY										
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX				
9/9/2013	11:00	SC-1 (East Base)	12	<4.8	<10	<0.048	<0.096				
9/9/2013	11:03	SC-2 (North Wall)	0 to 12	<4.7	<10	<0.047	1.07				
9/9/2013	11:08	SC-3 (East Wall)	0 to 12	5.7	<10	<0.047	<0.094				
9/9/2013	11:12	SC-4 (South Wall)	0 to 12	<4.9	820	<0.049	<0.098				
9/9/2013	11:20	SC-5 (West Wall)	0 to 12	<4.7	<10	<0.047	0.061				
9/9/2013	11:33	SC-6 (West Base)	18	<4.7	<9.9	<0.047	0.194				
9/9/2013	11:35	SC-7 (S.W. Wall)	0 to 12	<4.8	<10	<0.048	0.12				



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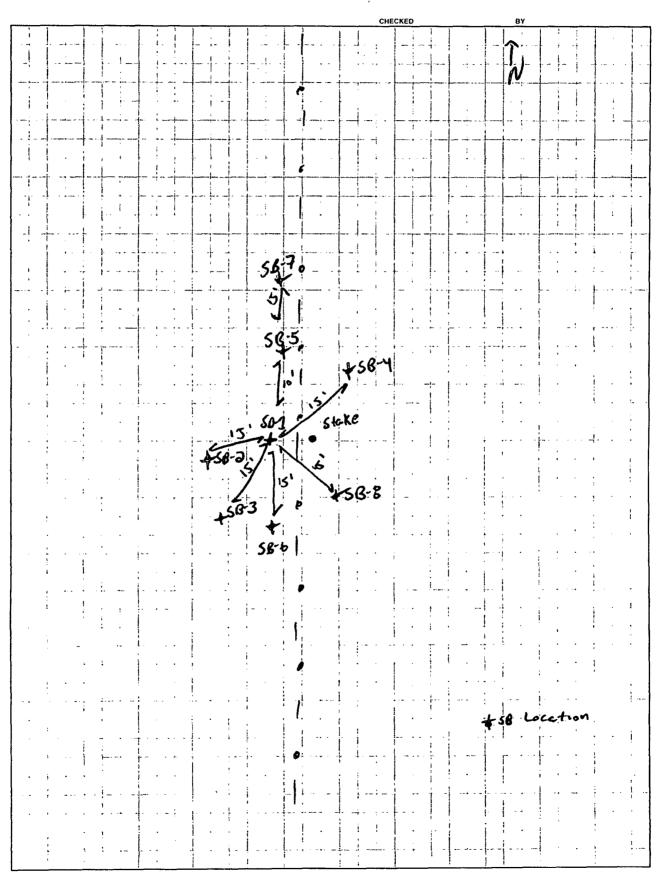
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SOUDER, MILLER & ASSOCIATES Serving - New Mexico • Colorado • Arizona • Utah

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DATE 8-30-13

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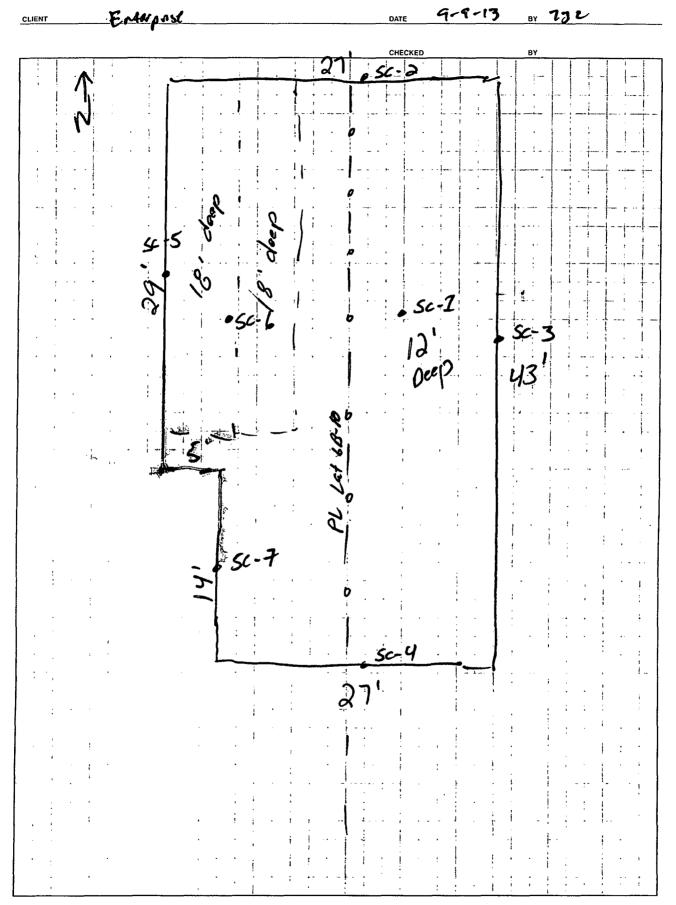
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Site Photographs Enterprise Products 6B-10 Pipeline Release

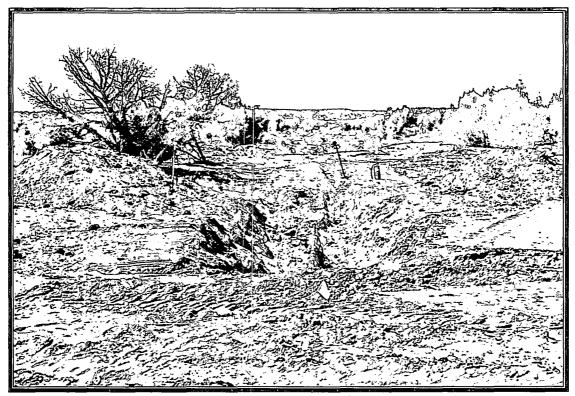


Photo 1: View of the pipeline and excavation for the northern release.

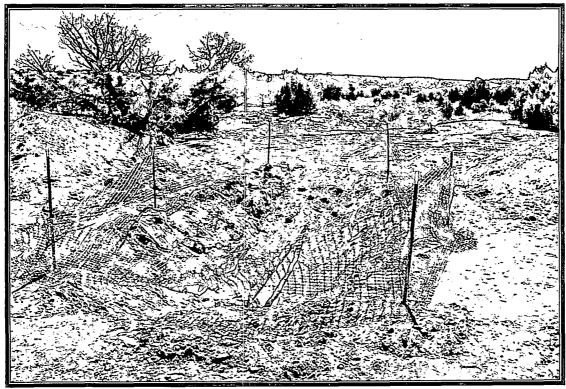


Photo 2: View of the excavation for the northern release.

Site Photographs Enterprise Products 6B-10 Pipeline Release

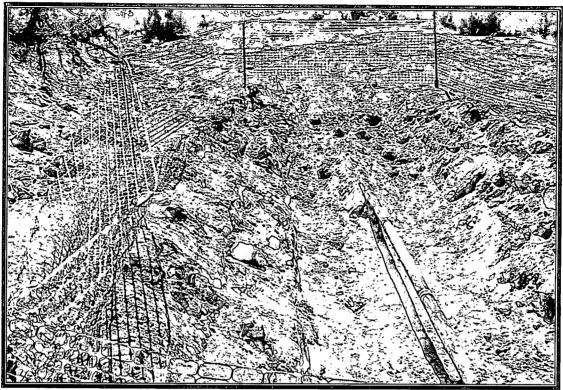


Photo 3: View of the excavation for the northern release.

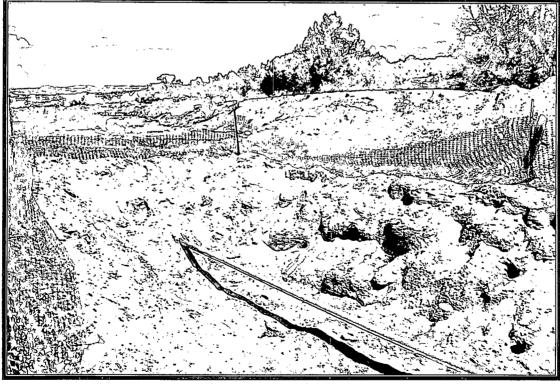


Photo 4: View of the excavation for the southern release.

Site Photographs Enterprise Products 6B-10 Pipeline Release



Photo 5: View of the excavation for the northern release.

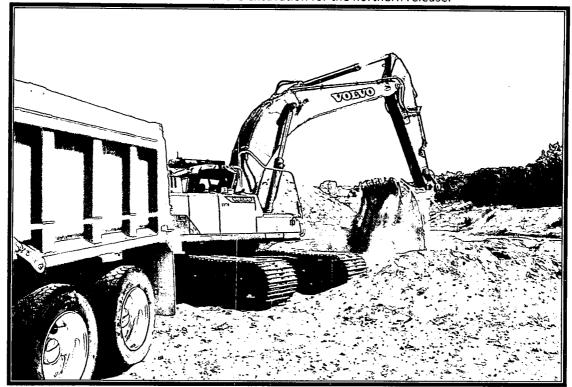


Photo 6: View of the excavation and loading of hydrocarbon impacted soils at the southern release.

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Bill of Lading

MANIFEST # 44583

DATE 9-3-13 JOB # 97057 - 0585

PHONE	: (505) 632-0615 • 5796 U		***		XICO 8740	01				
LOAD	СОМЕ	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENHAPL.SC CAT UB 10 PiPCLING "Galles of 203"	CFI	soil	BR- 3	12	_	MOSS	47	9:30	Les Moss
2	n /ı	11 //	11 11	RR-3	12		M 055	47	1100	Les Mose
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5	4 A	-	a if	BB-3	12	-	NOSS	47	15:20	Lee Mass
le	u u	y u	er Ø	<i>BB-3</i>	12		MOSS	47	16:50	Las Moss
					72					
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RESULT	S:	LANDFARM	$(\mathcal{L}_{\mathcal{L}})$		/	BOW	NOTES:			
(292	CHLORIDE TEST 2	EMPLOYEE:	2 Pive	La		<u> </u>	7**W****			
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					
signing	as the driver/transporter, I o	ertify the material	hauled from the a	bove location	on has not	been add	led to or tampered	with. I ce	ertify the	material is from the abov

mentioned Generator/Point of Origin and that no additional mat	erial has been added or mixed into the load.		0
TRANSPORTER CO. MOSS Execution	NAME LOR MOSS	SIGNATURE Les Moss	RDC
COMPANY CONTACT BUCK	PHONE 215-9934	DATE 9-3-13	
Signatures required prior to distribution of the legal document.			



PAINT FILTER TEST

Bill of Lading

MANIFEST # 44619

DATE 9-9-13 JOB# 97057 - 0585

PHONE	E: (505) 632-0615 • !	5796 U	.S. HIG	HWAY 64	• FARMINGTON	I, NEW ME	XICO 874	01	DATE		_ JOE	3# <u>-7 103 (= 000)</u>
LOAD		СОМІ	PLETE (DESCRIPT	TION OF SHIPME	NT			TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORIG	SIN ,	DEST	INATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Lat UB-10 Pipelint		LF	I	Cont	C-24	12		MOS5 Exeauqtion	47	910	Lee Moss
2	Gallegos 203		11	11	(1	C-24	12		M079	17	915	2
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le	IL.	1 (I,	1 (N.	C-24	12.	_	m055	47	1210	Las Moss
7	11	11	11	11	11	(-24	10		M655	15	1230	Hoth & WE
8	11	11	11	11	11	C-24	12		m.053	17	1245	Die of
9	Ц	11	N	11	11	0-24	12		M855	47	1325	Lee mos
10	1	11	K	11	11	C-24	10		Moss	15	1345	Mother BM9
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mentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	A
TRANSPORTER CO. MOSS Excaveling	NAME Lee MOSS	SIGNATURE Lea Mas
COMPANY CONTACT Gard Maeshas	PHONE 216-2744	DATE 9-9-13
Signatures required prior to distribution of the legal document.		

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

Certification of above receival & placement



Bill of Lading

MANIFEST # 44621

DATE 9-9-13 JOB# 97057-0585

PHONE	: (505) 632-0615 • 5796	U.S. HIGHWAY 64	• FARMINGTON	I, NEW ME	XICO 8740	01	DAIL		_ 001	# <u>17027 - 036</u>
LOAD	co	MPLETE DESCRIP	TION OF SHIPME	NT			TRANSPO	RTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Enternist Lateral	LFIL	Cont	0-24	12	_	Moss Excavation	47	1445	Los Moss
2	Galleyos 200	j1 11	11	15-24	12	_	M859	47	1600	Leo Mass
3	10 /0	11 (1	11	15-24	10		Mas	15	1409	Tol. BUT
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RESULT		LANDFARM	2	•		Baw	NOTES:		<u> </u>	
292	CHLORIDE TEST	EMPLOYEE:	-Ken-	Bak	1	Car				i
	PAINT FILTER TEST	Certif	cation of above re	ceival & pla	cement					
	g as the driver/transporter							with. I ce	rtify the	material is from the above

y signing as the driver/transporter, I certify the material ha	luied from the above location has not been a	dded to or tampered with. I certify the material is from th	ie above
nentioned Generator/Point of Origin and that no additional	material has been added or mixed into the lo	ad.	
RANSPORTER CO. MOSS EXCAVATION	NAME Lee MOSS	SIGNATURE Lee Mess	
OMPANY CONTACT Gary Maestas	PHONE 215-2744	DATE 9-9-13	
Signatures required prior to distribution of the legal docume	ent.		



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

September 11, 2013

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

TEL: (505) 325-7535 FAX (505) 327-1496

RE: Lateral 6B-10 North Release OrderNo.: 1309128

Dear Thomas Long:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/4/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1309128

Date Reported: 9/11/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Lateral 6B-10 North Release

Lab ID: 1309128-001

Client Sample ID: SC-1

Collection Date: 9/3/2013 10:27:00 AM

Received Date: 9/4/2013 10:00:00 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	10	mg/Kg	1	9/6/2013 11:07:22 AM	9188
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/6/2013 11:07:22 AM	9188
Surr: DNOP	93.0	63-147	%REC	1	9/6/2013 11:07:22 AM	9188
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/6/2013 7:04:59 PM	9190
Surr: BFB	97.9	80-120	%REC	1	9/6/2013 7:04:59 PM	9190
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.047	mg/Kg	1	9/6/2013 7:04:59 PM	9190
Toluene	ND	0.047	mg/Kg	1	9/6/2013 7:04:59 PM	9190
Ethylbenzene	ND	0.047	mg/Kg	1	9/6/2013 7:04:59 PM	9190
Xylenes, Total	ND	0.093	mg/Kg	1	9/6/2013 7:04:59 PM	9190
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	9/6/2013 7:04:59 PM	9190

Matrix: SOIL

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

- 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 Page 1 of 8
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Analytical Report Lab Order 1309128

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/11/2013

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-2

Project: Lateral 6B-10 North Release

Collection Date: 9/3/2013 10:29:00 AM

Lab ID: 1309128-002

Matrix: SOIL

Received Date: 9/4/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	st: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/6/2013 11:38:28 AM	9188
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/6/2013 11:38:28 AM	9188
Surr: DNOP	94.3	63-147	%REC	1	9/6/2013 11:38:28 AM	9188
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/6/2013 10:25:22 PM	9190
Surr: BFB	93.0	80-120	%REC	1	9/6/2013 10:25:22 PM	9190
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.046	mg/Kg	1	9/6/2013 10:25:22 PM	9190
Toluene	ND	0.046	mg/Kg	1	9/6/2013 10:25:22 PM	9190
Ethylbenzene	ND	0.046	mg/Kg	1	9/6/2013 10:25:22 PM	9190
Xylenes, Total	ND	0.092	mg/Kg	1	9/6/2013 10:25:22 PM	9190
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	9/6/2013 10:25:22 PM	9190

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

- 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 Page 2 of 8
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1309128

Date Reported: 9/11/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Lateral 6B-10 North Release

Lab ID: 1309128-003 Client Sample ID: SC-3

Collection Date: 9/3/2013 10:30:00 AM

Received Date: 9/4/2013 10:00:00 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)	11	10	mg/Kg	1	9/6/2013 12:09:33 PM	9188
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/6/2013 12:09:33 PM	9188
Surr: DNOP	90.2	63-147	%REC	1	9/6/2013 12:09:33 PM	9188
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/6/2013 10:53:59 PM	9190
Surr: BFB	115	80-120	%REC	1	9/6/2013 10:53:59 PM	9190
EPA METHOD 8021B: VOLATILES					Analysi	: NSB
Benzene	ND	0.049	mg/Kg	1	9/6/2013 10:53:59 PM	9190
Toluene	ND	0.049	mg/Kg	1	9/6/2013 10:53:59 PM	9190
Ethylbenzene	ND	0.049	mg/Kg	1	9/6/2013 10:53:59 PM	9190
Xylenes, Total	ND	0.097	mg/Kg	1	9/6/2013 10:53:59 PM	9190
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	9/6/2013 10:53:59 PM	9190

Matrix: SOIL

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
- Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- 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 3 of 8 Ρ Sample pH greater than 2 for VOA and TOC only
- Reporting Detection Limit RL

Analytical Report Lab Order 1309128

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/11/2013

CLIENT: Souder, Miller and Associates

Project: Lateral 6B-10 North Release

Lab ID: 1309128-004

Client Sample ID: SC-4

Collection Date: 9/3/2013 10:31:00 AM

Received Date: 9/4/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/6/2013 12:40:38 PM	9188
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/6/2013 12:40:38 PM	9188
Surr: DNOP	86.0	63-147	%REC	1	9/6/2013 12:40:38 PM	9188
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/6/2013 11:51:04 PM	9190
Surr: BFB	115	80-120	%REC	1	9/6/2013 11:51:04 PM	9190
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	9/6/2013 11:51:04 PM	9190
Toluene	ND	0.048	mg/Kg	1	9/6/2013 11:51:04 PM	9190
Ethylbenzene	ND	0.048	mg/Kg	1	9/6/2013 11:51:04 PM	9190
Xylenes, Total	0.28	0.096	mg/Kg	1	9/6/2013 11:51:04 PM	9190
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	9/6/2013 11:51:04 PM	9190

Matrix: SOIL

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

- 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

Lab Order 1309128

Date Reported: 9/11/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Lateral 6B-10 North Release

Lab ID: 1309128-005 Client Sample ID: SC-5

Collection Date: 9/3/2013 10:33:00 AM

Received Date: 9/4/2013 10:00:00 AM

Analyses	Result	RL Ç	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS	· · · 			Analys	st: JME
Diesel Range Organics (DRO)	200	9.9	mg/Kg	1	9/6/2013 1:11:34 PM	9188
Motor Oil Range Organics (MRO)	330	50	mg/Kg	1	9/6/2013 1:11:34 PM	9188
Surr: DNOP	97.2	63-147	%REC	1	9/6/2013 1:11:34 PM	9188
EPA METHOD 8015D: GASOLINE RAI	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	5.7	4.7	mg/Kg	1	9/7/2013 12:19:41 AM	9190
Surr: BFB	131	80-120	S %REC	1	9/7/2013 12:19:41 AM	9190
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	9/7/2013 12:19:41 AM	9190
Toluene	ND	0.047	mg/Kg	1	9/7/2013 12:19:41 AM	9190
Ethylbenzene	ND	0.047	mg/Kg	1	9/7/2013 12:19:41 AM	9190
Xylenes, Total	0.13	0.094	mg/Kg	1	9/7/2013 12:19:41 AM	9190
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	9/7/2013 12:19:41 AM	9190

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- j Analyte detected below quantitation limits
- o RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- NDNot Detected at the Reporting Limit
 - Page 5 of 8
- Sample pH greater than 2 for VOA and TOC only. P
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 11-Sep-13

1309128

Client:

Souder, Miller and Associates

Project:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

Lateral 6B-10 North Release

Result

61

4.8

PQL

10

Sample ID MB-9188	Samp	ype: Mi	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client 1D: PBS	Batc	n ID: 91	88	F	RunNo: 1	3093				
Prep Date: 9/5/2013	Analysis [Date: 9/	/5/2013	S	SeqNo: 3	73977	Units: mg/h	(g		
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	8.6		10.00		85.6	63	147			
Sample ID LCS-9188	Samp	ype: LC	s	Tes	Code: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: LCSS	Batc	n ID: 91	88	F	lunNo: 1	3132				
Prep Date: 9/5/2013	Analysis [Date: 9/	6/2013	S	SeaNo: 3	74988	Units: mg/k	(a		

0

%REC

122

95.7

LowLimit

77.1

63

HighLimit

128

147

%RPD

RPDLimit

SPK value SPK Ref Val

50.00

5.000

Qualifiers:

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1309128

11-Sep-13

Client:

Souder, Miller and Associates

Project:

Lateral 6B-10 North Release

Result

Sample ID MB-9190

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

Client ID:

PBS

Batch ID: 9190

RunNo: 13161

Prep Date:

Analyte

9/5/2013

Analysis Date: 9/6/2013

SeqNo: 375487 %REC

Units: mg/Kg

%RPD **RPDLimit** Qual

Gasoline Range Organics (GRO)

ND Surr: BFB

5.0 940

PQL

1000

SPK value SPK Ref Val

94.0

120

HighLimit

Sample ID LCS-9190

SampType: LCS

RunNo: 13161

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

9/5/2013

Batch ID: 9190

SeqNo: 375488

Units: mg/Kg

126

120

Analyte

Prep Date:

Analysis Date: 9/6/2013 Result **PQL**

%REC SPK value SPK Ref Val 101

LowLimit 74.5

80

HighLimit %RPD

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

25 1000 5.0 25.00 1000

104

80

Qualifiers:

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

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#:

1309128

11-Sep-13

Client:

Souder, Miller and Associates

Project:

Lateral 6B-10 North Release

Sample ID MB-9190	SampT	pType: MBLK TestCode: EPA Metho					8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 91	90	RunNo: 13161						
Prep Date: 9/5/2013	Analysis D)ate: 9/	6/2013	S	SeqNo: 3	75522	Units: mg/K	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	1.1		1.000		107	80	120			

Sample ID LCS-9190	SampT	ype: LC	s	8021B: Vola	tiles					
Client ID: LCSS	Batch	າ ID: 91	90	F	RunNo: 1	3161				
Prep Date: 9/5/2013	Analysis D	ate: 9/	6/2013	S	SeqNo: 3	75523	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	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 8 of 8



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1309128 RcptNo: 1 Received by/date: A6 Logged By: Lindsay Mangin 9/4/2013 10:00:00 AM Completed By: Lindsay Mangin 9/5/2013 9:10:21 AM na105/13 Reviewed By: Chain of Custody No . 1 Custody seals intact on sample bottles? Not Present ✓ 2. Is Chain of Custody complete? No Not Present 3 How was the sample delivered? Courier Log In 4. Was an attempt made to cool the samples? No NA : 5. Were all samples received at a temperature of >0° C to 6.0°C NA . Yes 🗸 6. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? No 8. Are samples (except VOA and ONG) properly preserved? No NA No 🗸 9. Was preservative added to bottles? Yes Yes No VOA Vials 10.VOA vials have zero headspace? No Yes !! No 11. Were any sample containers received broken? # of preserved bottles checked for pH: No i 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? 13. Are matrices correctly identified on Chain of Custody? No No 14. Is it clear what analyses were requested? Checked by: No 15. Were all holding times able to be met? Yes (If no, notify customer for authorization.) Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes · No Person Notified: Date: By Whom: Via: ' eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No | Good

С	hain-	of-Cu	stody Record	Turn-Around	Time:] "								#*** t=						
Client:	SMA	:		□rStandard	□ Rush	<u> </u>		person.										4EI RA			,
		: 		Project Name	Latera	1 6B-10									men			IV.A			•
Mailing	Address	2101	San Juan Blud.		Nor	1 6B-10 1h Release		490	01 H	awki								109			
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email o	Fax#:	tom.lo	ng@Soudorniller.com	Project Mana	_		£	only)	MRO)				,	o o	S	Į				ľ	
QA/QC I	Package: dard	:	Level 4 (Full Validation)		Thomas L	s Long	TMB's (8024)	(Gas o	30 / M	1		SIMS)		PO ₄ ,S	PCB's					ļ	
Accredi		□ Othe	T	Office:	y≰uYes ∵	☐ Nourseas	TAME TO THE PERSON NAMED IN COLUMN T	+ TPH (Gas	30 / D	18.1)	04.1)	8270		3,NO ₂	Pesticides / 8082		₹				S I
□ EDD	(Type)			Sample Tem	perature: - 😅		¥TBF	MTBE	<u>(G</u>	pd 4	od 5	0 or	etals	N.	ides	1 a	emi-VOA)				≿
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NOV.	BTEX + MH	BTEX + MT	TPH 8015B (GRO / DRO /	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pestic	8260B (VOA)	8270 (Sem				Air Bubbles
1-373	1027	Sóil	Sc-1	402 3cr	Cool	-001	k		X										\top		
1	1029		56-9			-007	1>		X										\top	1	
	1030	:	Sc-3			-003	7		X											1	
	1631		SC-4			-004	X		X										1	1	T
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Date: 9-3-13	Time:	Relinquishe	gran Lag	Received by:	alle	Plate Time 9/3/13 /700	Ren	narks		<u></u> 1		70	E	rkg	prs	e					1
Date:		Religiquishe	nitte Warter &	Received by:	2 0	Date Time W	100	<u> </u>													



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

September 13, 2013

Tom Long Souder, Miller and Associates 2101 San Juan Boulevard Farmington, NM 87401 TEL: (505) 330-0868

FAX

RE: Enterprise Lateral 6B-10 OrderNo.: 1309326

Dear Tom Long:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/10/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Enterprise Lateral 6B-10 Project:

1309326-001 Lab ID:

Client Sample ID: SC-1

Collection Date: 9/9/2013 11:00:00 AM

Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS		·		Analy	st: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/13/2013 11:42:51 A	M 9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 11:42:51 A	M 9273
Surr: DNOP	111	63-147	%REC	1	9/13/2013 11:42:51 A	M 9273
EPA METHOD 8015D: GASOLINE R.	ANGE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/11/2013 4:27:50 PM	9242
Surr: BFB	98.2	80-120	%REC	1	9/11/2013 4:27:50 PM	9242
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.048	mg/Kg	1	9/11/2013 4:27:50 PM	9242
Toluene	ND	0.048	mg/Kg	1	9/11/2013 4:27:50 PM	9242
Ethylbenzene	ND	0.048	mg/Kg	1	9/11/2013 4:27:50 PM	9242
Xylenes, Total	ND	0.096	mg/Kg	1	9/11/2013 4:27:50 PM	9242
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	9/11/2013 4:27:50 PM	9242

Matrix: SOIL

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
- J Analyte detected below quantitation limits
- RSD is greater than RSDlimit О
- RPD outside accepted recovery limits R
- 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 1 of 9 Sample pH greater than 2 for VOA and TOC only. P
- Reporting Detection Limit

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Enterprise Lateral 6B-10

Lab ID: 1309326-002

Client Sample ID: SC-2

Collection Date: 9/9/2013 11:03:00 AM

Received Date: 9/10/2013 10:00:00 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	10	mg/Kg	1	9/13/2013 12:04:44 PM	vi 9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 12:04:44 PM	vi 9273
Surr: DNOP	89.8	63-147	%REC	1	9/13/2013 12:04:44 PM	M 9273
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/11/2013 4:56:26 PM	9242
Surr: BFB	113	80-120	%REC	1	9/11/2013 4:56:26 PM	9242
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	9/11/2013 4:56:26 PM	9242
Toluene	0.29	0.047	mg/Kg	1	9/11/2013 4:56:26 PM	9242
Ethylbenzene	0.10	0.047	mg/Kg	1	9/11/2013 4:56:26 PM	9242
Xylenes, Total	0.68	0.094	mg/Kg	1	9/11/2013 4:56:26 PM	9242
Surr: 4-Bromofluorobenzene	113	80-120	%REC	1	9/11/2013 4:56:26 PM	9242

Matrix: SOIL

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

- * 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 Page 2 of 9
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-3

Project: Enterprise Lateral 6B-10

Collection Date: 9/9/2013 11:08:00 AM

Lab ID: 1309326-003

Matrix: SOIL

Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E ORGANICS					Analys	t: JME
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/13/2013 12:26:50 PI	vi 9273
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/13/2013 12:26:50 Pf	vi 9273
Surr: DNOP	95.6	63-147		%REC	1	9/13/2013 12:26:50 Pf	M 9273
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: NSB
Gasoline Range Organics (GRO)	5.7	4.7		mg/Kg	1	9/11/2013 5:25:10 PM	9242
Surr: BFB	125	80-120	S	%REC	1	9/11/2013 5:25:10 PM	9242
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.047		mg/Kg	1	9/11/2013 5:25:10 PM	9242
Toluene	ND	0.047		mg/Kg	1	9/11/2013 5:25:10 PM	9242
Ethylbenzene	ND	0.047		mg/Kg	1	9/11/2013 5:25:10 PM	9242
Xylenes, Total	ND	0.094		mg/Kg	1	9/11/2013 5:25:10 PM	9242
Surr: 4-Bromofluorobenzene	114	80-120		%REC	1	9/11/2013 5:25:10 PM	9242

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

Qualifiers:

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

Page 3 of 9

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

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: Enterprise Lateral 6B-10

Lab ID: 130

1309326-004

Client Sample ID: SC-4

Collection Date: 9/9/2013 11:12:00 AM

Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS	<u> </u>			Analys	t: JME
Diesel Range Organics (DRO)	820	10	mg/Kg	1	9/13/2013 12:48:50 PM	1 9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 12:48:50 PM	1 9273
Surr: DNOP	82.7	63-147	%REC	1	9/13/2013 12:48:50 PN	1 9273
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/11/2013 5:53:54 PM	9242
Surr: BFB	117	80-120	%REC	1	9/11/2013 5:53:54 PM	9242
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	9/11/2013 5:53:54 PM	9242
Toluene	ND	0.049	mg/Kg	1	9/11/2013 5:53:54 PM	9242
Ethylbenzene	ND	0.049	mg/Kg	1	9/11/2013 5:53:54 PM	9242
Xylenes, Total	ND	0.098	mg/Kg	1	9/11/2013 5:53:54 PM	9242
Surr: 4-Bromofluorobenzene	110	80-120	%REC	1	9/11/2013 5:53:54 PM	9242

Matrix: SOIL

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

- 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 Page 4 of 9
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample 1D: SC-5

Enterprise Lateral 6B-10 Project:

Collection Date: 9/9/2013 11:20:00 AM

Lab ID: 1309326-005

Matrix: SOIL

Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analy	st: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/13/2013 1:10:57 PM	9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 1:10:57 PM	1 9273
Surr: DNOP	65.6	63-147	%REC	1	9/13/2013 1:10:57 PM	9273
EPA METHOD 8015D: GASOLINE RA	NGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/11/2013 6:22:33 PM	9242
Surr: BFB	101	80-120	%REC	1	9/11/2013 6:22:33 PM	9242
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.047	mg/Kg	1	9/11/2013 6:22:33 PM	9242
Toluene	0.061	0.047	mg/Kg	1	9/11/2013 6:22:33 PM	9242
Ethylbenzene	ND	0.047	mg/Kg	1	9/11/2013 6:22:33 PM	9242
Xylenes, Total	ND	0.094	mg/Kg	1	9/11/2013 6:22:33 PM	9242
Surr: 4-Bromofluorobenzene	110	80-120	%REC	1	9/11/2013 6:22:33 PM	9242

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
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - Page 5 of 9 Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

Lab Order 1309326

Date Reported: 9/13/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-6

Project: Enterprise Lateral 6B-10 Collection Date: 9/9/2013 11:33:00 AM

Lab ID: 1309326-006

Matrix: SOIL Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	SE ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	ND '	9.9	mg/Kg	1	9/13/2013 1:32:50 PM	9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 1:32:50 PM	9273
Surr: DNOP	94.8	63-147	%REC	1	9/13/2013 1:32:50 PM	9273
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/11/2013 6:51:12 PM	9242
Surr: BFB	99.4	80-120	%REC	1	9/11/2013 6:51:12 PM	9242
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	9/11/2013 6:51:12 PM	9242
Toluene	0.084	0.047	mg/Kg	1	9/11/2013 6:51:12 PM	9242
Ethylbenzene	ND	0.047	mg/Kg	1	9/11/2013 6:51:12 PM	9242
Xylenes, Total	0.11	0.094	mg/Kg	1	9/11/2013 6:51:12 PM	9242
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	9/11/2013 6:51:12 PM	9242

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

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

Lab Order 1309326

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/13/2013

CLIENT: Souder, Miller and Associates

Project: Enterprise Lateral 6B-10

Lab ID: 1309326-007

Client Sample ID: SC-7

Collection Date: 9/9/2013 11:35:00 AM

Received Date: 9/10/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Anaiys	t: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/13/2013 1:55:01 PM	9273
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/13/2013 1:55:01 PM	9273
Surr: DNOP	76.6	63-147	%REC	1	9/13/2013 1:55:01 PM	9273
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/12/2013 3:13:48 PM	9242
Surr: BFB	106	80-120	%REC	1	9/12/2013 3:13:48 PM	9242
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	9/12/2013 3:13:48 PM	9242
Toluene	0.12	0.048	mg/Kg	1	9/12/2013 3:13:48 PM	9242
Ethylbenzene	ND	0.048	mg/Kg	1	9/12/2013 3:13:48 PM	9242
Xylenes, Total	ND	0.096	mg/Kg	1	9/12/2013 3:13:48 PM	9242
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1	9/12/2013 3:13:48 PM	9242

Matrix: SOIL

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

- 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 Page 7 of 9
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1309326

13-Sep-13

Client:

Souder, Miller and Associates

Project:

Enterprise Lateral 6B-10

Sample ID MB-9242	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	1D: 92	42	R	tunNo: 1	3292				
Prep Date: 9/10/2013	Analysis D	ate: 9/	11/2013	S	SeqNo: 3	78524	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	920		1000		92.1	. 80	120			

Sample ID LCS-9242	Samp ⁻	Гуре: LC	S	Tes	je						
Client ID: LCSS	Batc	h ID: 92	42	F	RunNo: 1	3292					
Prep Date: 9/10/2013	Analysis [Date: 9/	11/2013	8	SeqNo: 3	78525	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	95.1	74.5	126				
Surr: BFB	990		1000		99.1	80	120				

Sample ID MB-9268 MK	SampType: MBLK	e: MBLK TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS Batch ID: R13320 RunNo: 13320										
Prep Date: Analysis Date: 9/12/2013 SeqNo: 379411 Units: %REC										
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual							
Surr: BFB	950 1000	95.4 80	120							

Sample ID LCS-9268 MK	SampType	e: LCS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch ID	D: R13320	F	RunNo: 1	3320				
Prep Date:	Analysis Date	e: 9/12/2013	8	SeqNo: 3	79412	Units: %RE	С		
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100	1000		110	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 8 of 9

Client:

Hall Environmental Analysis Laboratory, Inc.

Souder, Miller and Associates

WO#: 1309326

13-Sep-13

Project: Enterpri	ise Lateral (6B-10								
Sample ID MB-9242	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 92	42	F	RunNo: 1	3292				
Prep Date: 9/10/2013	Analysis [Date: 9/	11/2013	S	SeqNo: 3	78545	Units: mg/k	(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	1.0		1.000		103	80	120			
Sample ID LCS-9242	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Sample ID LCS-9242 Client ID: LCSS	•	Type: LC			tCode: E		8021B: Vola	tiles		
· '	•	h ID: 92	42	F		3292	8021B: Vola			
Client ID: LCSS	Batc	h ID: 92	42	F	RunNo: 1	3292			RPDLimit	Qual
Client ID: LCSS Prep Date: 9/10/2013	Batci Analysis [h ID: 92	42 11/2013	F	RunNo: 1 SeqNo: 3	3292 78546	Units: mg/k	(g	RPDLimit	Qual
Client ID: LCSS Prep Date: 9/10/2013 Analyte	Batci Analysis D Result	h ID: 92 Date: 9/ PQL	42 11/2013 SPK value	F S SPK Ref Val	RunNo: 1 SeqNo: 3 %REC	3292 78546 LowLimit	Units: mg/F HighLimit	(g	RPDLimit	Qual
Client ID: LCSS Prep Date: 9/10/2013 Analyte Benzene	Batci Analysis [Result 0.98	h ID: 92 / Date: 9/ PQL 0.050	42 11/2013 SPK value 1.000	SPK Ref Val	RunNo: 1 SeqNo: 3 %REC 97.7	3292 78546 LowLimit 80	Units: mg/F HighLimit 120	(g	RPDLimit	Qual
Client ID: LCSS Prep Date: 9/10/2013 Analyte Benzene Toluene	Analysis D Result 0.98 0.99	PQL 0.050 0.050	11/2013 SPK value 1.000 1.000	SPK Ref Val 0 0	RunNo: 1 SeqNo: 3 %REC 97.7 98.7	3292 78546 LowLimit 80 80	Units: mg/K HighLimit 120 120	(g	RPDLimit	Qual
Client ID: LCSS Prep Date: 9/10/2013 Analyte Benzene Toluene Ethylbenzene	Analysis I Result 0.98 0.99 0.99	PQL 0.050 0.050 0.050	11/2013 SPK value 1.000 1.000 1.000	SPK Ref Val 0 0 0	RunNo: 1 SeqNo: 3 %REC 97.7 98.7 99.1	3292 78546 LowLimit 80 80 80	Units: mg/F HighLimit 120 120 120	(g	RPDLimit	Qual

Campio is in B caco init	Оар ,	, po								
Client ID: PBS	Batch	ID: R1	13320	F	RunNo: 1	3320				
Prep Date:	/12/2013	S	SeqNo: 3	79491	Units: %RE	С				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID LCS-9268 MK	Samp	Type: LC	cs	Tes	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS Batch ID: R13320 RunNo: 13320													
Prep Date:	Analysis C	Date: 9	/12/2013	\$	SeqNo: 3	79492	Units: %RE	С					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	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 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1309326 RcptNo: 1 Received by/date: Logged By: Lindsay/Mangin 9/10/2013 10:00:00 AM Completed By: Lindsay Mangin 9/10/2013 10:48:38 AM Reviewed By: Chain of Custody 1 Custody seals intact on sample bottles? Yes No Not Present ✓ 2. Is Chain of Custody complete? No Yes 🗸 Not Present 3 How was the sample delivered? Courier Log In 4. Was an attempt made to cool the samples? No : NA Yes V 5. Were all samples received at a temperature of >0° C to 6.0°C NA 6. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? Nο 8. Are samples (except VOA and ONG) properly preserved? NA !! 9. Was preservative added to bottles? Yes No No VOA Vials V 10. VOA vials have zero headspace? No Yes No. V 11, Were any sample containers received broken? Yes # of preserved bottles checked for pH: 12. Does paperwork match bottle labels? No ! (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 13 Are matrices correctly identified on Chain of Custody? No ! 14. Is it clear what analyses were requested? No ! Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) No 🗀 16. Was client notified of all discrepancies with this order? Yes NA 🗸 Person Notified: Date: By Whom: Via: eMail ! Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date 1.0 Good Yes

			stody Record	Turn-Around	Time:		▎▐	۹ ۱		H	1 12	F	NV	/TE	3O	NM	IFN	TAL	
Client:	SMA	.	•	Standard	□ Rush		-		_									OR	
				Project Name	Entripo	še									tal.co			•	•
Mailing	Address:	2101	San Jan Blud.		6B-10			490)1 Ha	awkins							09		
			NM 87401	Project #:	C 10	1		Te	l. 50	5-345-					-345-				
			75.75		5 122 104	1	u				1 40 Mil. 10	Anal	ysis	Req	uest	The second	14.3 ***		
email or	r Fax#: 🕇	om.la	y e Soudermiller.com	Project Mana	ger:			only)	<u>ô</u>)4)						
	eckage:	•	☐ Level 4 (Full Validation)		Thomas	Long	1200) 4	TPH (Gas or	/ DRO / MRO)		SIMS)		PO ₄ ,SC	PCB's					
Accredi		:	•	Sampler:	TOL		1	Ŧ		= =			S ₂	085					=
□ NEL	AP	□ Othe	r	On Ice:			#	<u> </u>	(GRO)	8 8	82		ر گ آ	8/8		(4)			Z
□ EDD	(Type)			Sample Tem	perature. / (M HOH	MTBE	<u>ō</u>	2 bd 2	jo	stals	ž	ide	₽	\$			>
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALING TO SEE	BTEX + 1	BTEX + MT	TPH 8015B	TPH (Method 418.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles
7-9-13	1100	Soil	SC-1	402 Jur	cool	-001	X		X										
1	1/03	}	Sc-2	1	}	-002	14		x										
	1108		SC-3			-003	X		X										\top
\top	11/2		SC-4			-004	X		X		1		-					1	_
	1120		Sc-5			-005	X		x										\top
	1/33		SC-6			-006	V		×										十
	1135	V	547			-007	Y		۴										\top
			<i>.</i> *																
Date:	Time:	Relinquishe	home Ling	Received by:	Walter	Date Time	Ren	narks	: [3:11	7	5	E	74	enp	rse	,	1L	
Date: 9 9 9 9	Time:	Relinedishe	i	Received by:	- Mai	Páte Time		•											
TAID	f necessary,		nitted to Hall Environmental may be subc	ontracted to other a	credited laboratorie	es. This serves as notice of this	s possit	oility. A	ny sub	-contrac	ed data	will be	e clear	ly nota	ted on	the ana	lytical rep	eort.	

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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

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

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

			Rele	ease Notific	eation	and Co	orrective A	ction				
						OPERA	ГOR		☐ Initia	al Report	Fir	nal Report
Name of Co	mpany: E	Enterprise Fie	ld Service	es LLC			iomas Long					
Address: 6	14 Reilly A	Ave, Farming	gton, NM	87401			No. 505-599-22					
Facility Nar	ne: LC k	Kelly #7			F	Facility Typ	e: Gas gatherin	ig syste	m pipelin	e		
Surface Ow	ner: BLM			Mineral C)wner:B	LM			API No).		
				LOCA	ATION	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
L	4	30N	12W							San Juan		
	L	Latitu	ıda 36	5.83 <u>9055</u>		Longitude	-108.11039	2		OIL CONS	DIV D	IST. 3
		Datite	iuc <u>5(</u>		TIDE	OF REL		<u> </u>		•	1 0 201	
Type of Rele	ase: Natura	ıl gas and poss	ible assoc		UKE		Release: Unkno	wn	Volume I	UEU Recovered: T	a he deter	rminad
		ral gas gather					lour of Occurrence			Hour of Disc		
				···		11/21/13 @ 5:00 p.m. @ 5:00 p.m.						
Was Immedia	ite Notice (Yes [No 🗌 Not Re	equired	If YES, To	Whom? Brandon	Powell	- NMOCI) 11/22/13 @	10:12 a.n	n.
By Whom? T	homas Lon	g				Date and Hour 11/22/13 @ 10:12 a.m						
Was a Watero	course Read						lume Impacting t			nknown; To l	oe determi	ned
		\boxtimes	Yes [No								,
If a Watercou	rse was Im	pacted. Descri	be Fully.*	Release is locate	ed within	an unnamed	intermittent strea	m/enhe	meral wash	nerpendicul:	ar to the n	ineline
No surface in	ipacts were	observed dur	ing initial	discovery.				pe		perpendicum	т то тто р	.ро
On 11-21-13 N,R-12-W. G down pipeling resulting fron	@ 4:45pm PS N36.839 e and applie n leak. Subs	9055 W-108.1 ed LOTO with surface evalua	s reported 10393. An line out out tions and t	on the L.C. Kelly n Enterprise empl of service @ 5:15p	oyee was om and p ns will be	s dispatched rotocol notif made at tim	I a Non Jurisdicti and the leak was vications made. No le of repair schedu pair activities.	verified surface	@ 5:00pm environm	. Employee is ental impact v	solated and was sustain	d blew
Third party er samples diffic	ovironments cult to retrie	eve. hird part	ttempted i y environi	to delineate the re nental contractor	estimates	s the affected	nd auger. Site lith I area to be 20 fee collect closure sa	t long b				
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.											ger fility health	
		, /		in.			OIL CONS	SERV	ATION	DIVISIO	<u></u>	
Signature:	Lu	2 k	lullo						_ ,	/		
Jighature.	- ry		res	<u> </u>	Environmental St	necialist	(ball	4) V				
Printed Name	: Terry L.	Hurlburt			Approved by Environmental Specia		specialist. The Vegeting					
Title: Group	Sr. Vice Pr	esident				Approval Date: 442014 Expiration Date:		Date:				
ri mail Add	an england	Manrod com				Conditions of	'Annroyel					
E-mail Addre	55. SHOIAN(<i>ш</i> ергоп.соп				ZONIGICIONS OF	Approvai.	Attached				
Date: 1	2/4/2013	Phone: 713-	381-6595		-							

NJX1409453608

District I & District II & District IV 1220 S. St. Francis Dr., Hobbs, NM 88240

District III 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

Form C-141

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

						-	0.5							
			Rel	ease Notific	n and Co	orrective A	ction							
						OPERA	ГOR	\boxtimes	Initia	al Report		Final Repo		
		Interprise Fie				Contact: Tl								
		Ave, Farming		87401			No. 505-599-22							
Facility Na	me: Later	ral C-7 Lin	e Leak			Facility Typ	e: Gas gatherin	ig system p	oipelin	e				
Surface Ow	ner: BLM			Mineral C)wner:	BLM		F	API No).				
				LOCA	ATIO	N OF REI	LEASE							
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/West	Line	County	····			
L	1	27N	9W							San Juan				
	J	I - 4:4.		((1010(l		107.74053	l		<u> </u>				
		Latit	uae <u>5</u>	6.610106		Longitude -107.740523								
					<u>'URE</u>	OF REL		· · · · · · · · · · · · · · · · · · ·	n Volume Recovered: To be determined					
		l gas and pos					Release: Unkno							
Source of Re	nease: Natu	ral gas gather	ing pipeni	ne		12/3/2013	lour of Occurrenc	1	ate and 9:00 a.		cover	y: 12/3/2013		
Was Immedi	ate Notice (If YES, To Whom? Brandon Powell, NMOCD								
	,		Yes [No 🛛 Not Re	equired									
By Whom?							lour 12/9/13 @ 10							
Was a Water	course Reac	ned?	Yes [l No		If YES, Vo	olume Impacting t	he Waterco	urse. U	nknown; T	o be d	etermined		
			. 05	,										
				A small unname	d ephe	meral wash int	ersects CR 7007	and the rele	ase area	a. No visibl	e surf	ace impacts.		
1		em and Reme a pipeline leal		n Taken.* ateral C-7 pipelin	e The	line was isola	ted denressurized	Land LOTO	l was ar	onlied The	relesc	e area is alono		
				s internal corrosio						RCVD DE(
										OIL CONS				
										DIST.				
		and Cleanup A												
				surface impacts. during repair act										
completed.	mvittes and	concer closus	c samples	during repair act	ivilles.	A Illiai C-1	41 WIII DE SUDIIII	ica once co	HECHVE	actions and	геро:	t nave occii		
I hereby cert	ify that the i	nformation gi	ven ahove	is true and comp	lete to	the best of my	knowledge and u	nderstand th	nat purs	suant to NM	OCD	rules and		
				nd/or file certain r										
				ce of a C-141 repo										
				investigate and retance of a C-141										
		vs and/or regu												
		1	///	1/1		OIL CONSERVATION DIVISION								
Signature: /	' Lu	12/	Deur	las -										
						Approved by	Environmental S	al Specialist:						
Printed Name	Terry L.	Hurlburt			04./									
Title: Group	Senior Vic	e President_			Approval Date: 9/4/2019				i ration	Date:				
E-mail Addre	acci englant	Menrod com				Conditions of	f Annroval:	,						
E-man Addre	555. SHUIMIL					Conditions 0	rippiovai.	Attached						
Date:	2/12/2013	Phone:	713-381-	6595										

* Attach Additional Sheets If Necessary

nJK14.24740395



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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action OPERATOR Initial Report Final Report Name of Company: Enterprise Field Services LLC Contact: Runell Seale Address: 614 Reilly Ave, Farmington, NM 87401 Telephone No.: 505-599-2124 Facility Name: Trunk 6C Facility Type: Gas gathering system pipeline Mineral Owner: BLM Surface Owner: BLM API No. LOCATION OF RELEASE Feet from the North/South Line Unit Letter Section Township Range Feet from the East/West Line 28N 11W 26 K San Juan Latitude N36.63203 Longitude_W107.97399 (Decimal Degrees) NATURE OF RELEASE Type of Release: Natural gas and possible associated liquids Volume of Release: Unknown Volume Recovered: To be determined Source of Release: Natural gas gathering pipeline Date and Hour of Occurrence: Date and Hour of Discovery: 10/29/13 Unknown AT 7:00AM Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☒ Not Required RCVD NOV 18°13 By Whom? Date and Hour If YES, Volume Impacting the Watercourse. OIL CONS. DIV. Was a Watercourse Reached? ☐ Yes ☒ No DIST. 3 If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* During a routine pipeline patrol, a possible gas leak was identified. The pipeline was excavated and the leak was confirmed. This is a leak that had been previously repaired with I-wrap. A temporary skinner clamp has been installed and the I-wrap removed until repairs are made to the pipeline. Describe Area Affected and Cleanup Action Taken.* Third party environmental contractor was dispatched during excavation of the pipeline. Assessment is being conducted in order to delineate the extents of contaminated soils at the release location. Any contaminated soil excavated will be hauled to an OCD approved landfarm facility. A third party corrective action report summarizing these activities will be submitted with a "final" c-141 report. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local_laws-and/or-regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Terry L. Hurlburt Approval Date: 1/10/2014 **Expiration Date:** Title: Group Sr. Vice President Conditions of Approval: E-mail Address: snolan@eprod.com Attached 11/11/2013 Phone: 713-381-6595

~ tx 1401034002

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 8756

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. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 **Release Notification and Corrective Action OPERATOR** Initial Report Final Report Name of Company: Enterprise Field Services LLC Contact: Runell Seale Address: 614 Reilly Ave, Farmington, NM 87401 Telephone No.: 505-599-2124 Facility Name: Lateral 6B-15 Pipeline Facility Type: Gas gathering system pipeline Surface Owner: Navajo Allotment Mineral Owner: Navajo API No. LOCATION OF RELEASE Township Feet from the North/South Line Feet from the East/West Line Unit Letter Section Range County 12W 20 28N Α San Juan Latitude N36.65289 Longitude W108.12636 (Decimal Degrees) NATURE OF RELEASE Type of Release: Natural gas and possible associated liquids Volume of Release: Unknown Volume Recovered: Unknown Source of Release: Natural gas gathering pipeline Date and Hour of Occurrence: Date and Hour of Discovery: 10/18/13 Unknown AT 7:00AM Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☒ Not Required RCVD NOV 15'13 By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. DIL CONS. DIV. ☐ Yes ⊠ No DIST. 3 If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* During a routine pipeline patrol, a leak was discovered. The pipeline line was isolated and removed from service. Repairs to the pipeline were safely made on 10/25/13. Describe Area Affected and Cleanup Action Taken.* Third party environmental contractor was dispatched to direct excavation of contaminated soils once the pipeline was safely repaired. Contaminated soil is being excavated and is being hauled to an OCD approved landfarm facility. Further assessment is being conducted in order to determine impacts at the location in accordance with jurisdictional agency regulations and applicable guidance. A third party corrective action report summarizing these activities will be submitted with a "final" c-141 report. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature Approved by Environmental Specialist: Printed Name: Terry L. Hurlburt 26/2013 Approval Date: **Expiration Date:** Title: Group Sr. Vice President Conditions of Approval: E-mail Address: snolan@eprod.com

* Attach Additional Sheets If Necessary

Phone: 713-381-6595

11/11/2013

NJK 133305694

Attached

(1)

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

State of New Mexico Energy Minerals and Natural Resources

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

Form C-141

Revised August 8, 2011

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

	Release Notification and Corrective Action												
						OPERA	ГOR			al Report		Final Report	
		terprise Fiel				Contact Ru							
		ve, Farmingt		37401			No. 505-599-212						
Facility Nan	ne; Latera	11 2B-1 / Pipe	eiine			racility Typ	e: Gas gathering	g systen	n pipeline	<u> </u>			
Surface Own	ner: BLM			Mineral O	wner				API No).			
				LOCA	TION	OF REI	LEASE						
Unit Letter B	Section 3	Township 27N	Range 10W	Feet from the	North/	South Line	Feet from the	East/W	est Line/	County San Juan			
		Latin	tude36	.60892		Longitude	107.882305						
				NAT	URE .	OF RELI	EASE						
Type of Relea				ated liquids		7-7	Release Unknow	wn	Volume F	Recovered	Unkno	own	
Source of Release Natural Gas gathering pipeline Date and Hour of Occurrence Unknown Date and Hour of Discovery 10-												10-8-2013	
Was Immediate Notice Given? If YES, To Whom?													
☐ Yes ☐ No ☒ Not Required													
By Whom?		7				Date and Hour RCVD OCT 28 '13							
Was a Watero	course Reac	hed?	Yes 🗵	l No		If YES, Vo	lume Impacting t	the Water	rcourse.	OIL CONS DIST.		<i>)</i> .	
10 - 11/-4						<u></u>				ULJI.			
Describe Cau	If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.*												
During a rout	ine pipeline	patrol, a leak	was disco	overed. The pipeline section of pipe da				n service	. Repairs	to the pipeli	ne wer	e made by	
soil is being e of the hole at	nvironmenta excavated and the pipeline each closure	al contractor vend is being have leak that has estandards.	vas dispateuled to an not tested A complete	en.* ched to direct furth OCD approved lar below cleanup sta and detailed third	ndfarm : indards.	facility. Port In meetings	ions of hole tested with NMOCD ar	d clean a nd BLM	nd were ba	ackfilled. The ermined that	nere is we wi	one portion Il remove	
regulations al public health should their o or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.												
Signature: OIL CONSERVATION DIVISION													
Printed Name	: Terry L.	Hurlburt		·	A	Approved by	Environmental S _I	pecialist:	ANA	MIK	elly	 	
Title: Sr. Vic	e President				A	Approval Dat	e: V10/2014	E	experation 1	Date:	(<u>′</u>	
E-mail Addre	ss: snolan@	@eprod.com			(Conditions of	Approval:			Attached		İ	
	4/2013		713-381-	6595			J		40.60			~	
Attach Addit	ional Shee	ets II Necess	ary				NJKI	14010	3802	.J			

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action

						OPERA:	ГOR			al Report		Final Report	
Name of Co	mpany: Ei	nterprise Fie	ld Service	es LLC			nell Seale or Jin			F			
Address 614				37401		Telephone N	No. 505-599-21	24 or 50	05-599-21	159			
Facility Nan	ne: Lat 3B	3-33-Trk 11 <i>A</i>	Dogleg]	Facility Typ	e: Natural gas	gatheri	ng line				
Surface Own	ner JFJ La	andfarm, LL	C	Mineral C	wner				API No				
				LOCA	ATIO	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	East/W	est Line	County			
SE/4	2	29N	12W							San Juan, N	JM		
		H	Lat	itude 35.752	2480	Longitud	le_108,6409	st 4/7	/2013	Suit suuri, 1	****		
						OF REL							
Type of Relea	se Natural	Gas Release		IIAI	UKE		Release: 202.98	MCF	Volume F	Recovered: No	one		
Source of Rel							lour of Occurrence			Hour of Disc			
						Unknown			10-4-2013				
Was Immedia	te Notice C	Given?	Yes [No 🛛 Not Re	eguired	If YES, To	Whom?						
By Whom?					•	Date and H	lour	_ .		RCVD OCT	10:	10	
Was a Watero	course Reac					If YES, Vo	lume Impacting t	he Wate	rcourse.	OIL CONS			
										DIST.	3	-	
If a Watercou	rse was Im	pacted, Descr	ibe Fully.*	•		•							
Describe Cau	se of Proble	em and Reme	dial Action	Token *									
					unty an	id employee of	IEI Landfarm ba	cked a h	eavy equip	ment front ei	nd load	ler over a	
							ie overpressure ac					A 1" nipple	
				cracked at the the ases were sustain			release to atmosp	here. L	Lateral 3B-	33 is a Class	Three		
Julisulctional	piperine. I	ivo injuries or	riquiu reie	ases were sustain	icu as a	tesuit of incid	em.					i	
Describe Ass	- A 66	and Classia	A ation Tal	*		· ·				 -			
		and Cleanup A			dent I	Jpon confirma	tion of leak, notif	ications	were made	and employe	ees nro	ceeded to	
isolate, LOTO	and blow	down pipelin	e on latera	1 3B-33. The iso	lation a	nd blow down	of pipeline was e	xtended	to include	a portion of	Trunk 1	IIA due to	
							xcavated on Mone					inforeseen	
damage and f	NDT testing	g will be perfo	ormed on v	velds. The 4" blo	ck valv	e and 1" nippl	e and valve will b	e replac	ed with ne	w like kind v	alves.		
							knowledge and u						
							nd perform correct arked as "Final R						
							on that pose a thr						
							e the operator of						
federal, state,	or local la	ws and/or regi	ulations.					~===·					
	1	1 =	11			OIL CONSERVATION DIVISION							
Signature:	1/an	Mu	lb -						Λ I	101	11		
	7	7: -1.1.				Approved by	Environmental S	pecialist	: 4 5	MIKO	Iller		
Printed Name	e: Jon E. F	rieius								100	/ ()		
Title: Directo	or, Field En	vironmental			Approval Date: 11/7/20(3 Expiration Date:								
E-mail Addre	ess: jefiele	ds@eprod.cor	n		Conditions of Approval:								
Date: 16	- //-	20/7	Phone	: 832-501-4078						Attached	L		
Attach Addi							77	(133	113681	hD.		\sim	
							****/					\sim	

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

			Rele	ease Notific	cation	and Co	orrective A	ction	1			
						OPERA	ГOR			al Report	П	Final Repor
Name of Co	ompany E	nterprise Fi	eld Serv	ices LLC		Contact Jin						
		ve, Farmin	gton, NM	1 87401	,	Telephone N	No. (505) 599-2	159				
Facility Na	me Latera	al 5D-2				Facility Typ	e Natural Gas	Gathe	ering Pipe	line		
Surface Ow	ner Priva	te		Mineral C	Owner P	rivate			API No).		
						N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/\	West Line	County		····
В	15	29N	12W		<u> </u>					San Juan		
		Latitu	ıde_N36.	73182	'	Longitude	eW108.0843	30				
				NAT	URE	OF RELI	EASE					
Type of Rele	ease Natura	l Gas					Release Unknow	/n –	Volume I	Recovered N	lone	
						1	to be less than 5	0				
Source of Re	eleace Natur	al Gas Gath	oring Pine	lina		MCF	lour of Occurrenc		Deta and	Hour of Dis	20010111	,
Source of Ice	rease Matui	ai Gas Gatin	ering ripe	siiit e		Unknown	iour or occurrenc	C		710ul 01 DIS 3 @ 4:34 PN		
Was Immedi	iate Notice (If YES, To	Whom?		<u> </u>	<u> </u>		
		L	Yes _	No 🖾 Not Re	equired							
By Whom?						Date and I-			R	CVD OCT	18'	L3
Was a Water	course Read		Yes [l No		If YES, Vo	olume Impacting t	he Wat	ercourse.	DIL CONS	i.DIV).
		pacted, Descr								DIST	. 3	
Describe Car On 9/20/201 PM MST. U were observ	use of Proble 3, a line loc dsing a leak red in the lin	em and Reme ater respond detector, the ie, confirmin	dial Actio ing to a N technicia g a leak.	Crouch Mesa. n Taken.* l.M. One-Call red n confirmed hyd The two wells fee ton 9/25/2013.	lrocarbo	ns were pres	sent. The Latera	ا 5D-2 ا	pipeline wa	ıs shut in ar	nd pres	ssure drops
A third part screening ar report will b	ty environm nd laborato be submitte ify that the	ry analytical d once site cla information gi	ctor will i results du osure star	nvestigate the aff uring line repair idards have been to is true and comp	activitien met.	es. A C-141 'ne best of my	"Final" report at knowledge and u	nd thire	i party env	vironmental	l correc	ctive action
public health should their or the enviro	or the envious honest. In a	ronment. The lave failed to	acceptant adequately OCD accep	nd/or file certain r ce of a C-141 repo investigate and r otance of a C-141	ort by the emediate	e NMOCD m e contaminati	arked as "Final R on that pose a thr	eport" o	loes not rel round wate	ieve the ope r, surface wa	rator of ater, hu	f liability ıman health
·			11	2-4-			OIL CON	SERV	ATION	DIVISIO	\overline{N}	
Signature: Approved by Environmental Specialist: Approved by Environmental Specialist:									'A			
Printed Nam	e: Terry L.	Hurlburt					11/			- V-	1	8
Title: Group	Sr. Vice Pr	esident				Approval Da	te: 11/7/201	S	Expiration	Date:		
E-mail Addr	ess: snolan(eprod.com				Conditions of	f Approval:			Attached	i 🗆	
Date: 10/1				381-6595						_L		
Attach Add	itional She	ets If Necess	sary				nJRI	331	13139	3		(\hat{D})

District I
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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Final Report

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

☐ Initial Report

Release Notification and Corrective Action

OPERATOR

Name of Company Enterprise Field Services LLC	Contact Jim Lieb		
Address PO Box 4324 / Houston, TX 77210-4324		Telephone No. 505-599-2159	
Facility Name: Trunk B Lateral Line	Facility Type: lateral line		
Surface Owner: BLM Mineral Ow	ner	Lease No.	
LOCAT	TION OF RELEASE		
Unit Section T R Feet from the N Letter SW 33 30N 11W	North/South Line Feet from the E	ast/West Line County San Juan	
Latitude M 名。 NATU	N Longitude W -107. 196365 IRE OF RELEASE	999567	
Type of Release: Natural Gas	Volume of Release: Gas: 593.2	Volume Recovered 0	
Source of Release: Lateral line blowdown	Date and Hour of Occurrence 9/24/13	Date and Hour of Discovery 9/26/13 Jim Lieb learned the gas volume surpassed 500 mcf.	
Was Immediate Notice Given?	If YES, To Whom? Brandon Powell. Advance courtesy notification by email was provided on 9/9/13 and updated on 9/12/13.		
By Whom? Was a Watercourse Reached? ☐ Yes ☒ No	Date and Hour If YES, Volume Impacting the	Watercourse. OIL CONS. DIV. DIST. 3	
If a Watercourse was Impacted, Describe Fully.* Only a gas release	e.		
Describe Cause of Problem and Remedial Action Taken.* This was	a planned blow-down of gas to work or	the line.	
Describe Area Affected and Cleanup Action Taken.* The local area was not affected because only natural gas was release I hereby certify that the information given above is true and complet regulations all operators are required to report and/or file certain relepublic health or the environment. The acceptance of a C-141 report should their operations have failed to adequately investigate and remore the environment. In addition, NMOCD acceptance of a C-141 repfederal, state, or local laws and/or regulations.	e to the best of my knowledge and undo case notifications and perform corrective by the NMOCD marked as "Final Repo- deciate contamination that pose a threat	e actions for releases which may endanger ort" does not relieve the operator of liability to ground water, surface water, human health	
Signature: Jon Fields Printed Name: Jon Fields	OIL CONSE Approved by District Supervisor:	CRVATION DIVISION (Small) Voll.	
Title: Director, Field Environmental	Approval Date: $l0/17/2013$	Al • /1	
E-mail Address: JEFIELDS@eprod.com	Conditions of Approval:	Attached	
Date: 10-2-2013 Phone: 832-501-4078 Attach Additional Sheets If Necessary			

NJK1329051105