



## Report Summary

Client: Synergy Operating, LLC

Chain of Custody Number: 14743

Samples Received: 12-11-12

Job Number: 02028-0004

Sample Number(s): 63923-63929

Project Name/Location: Tayler 29-13

Entire Report Reviewed By:

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

Date:

12/19/12

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



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #1	Date Reported:	12-17-12
Laboratory Number:	63923	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #2 - Sandstone	Date Reported:	12-17-12
Laboratory Number:	63924	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.8	0.2
Diesel Range (C10 - C28)	41.7	0.1
Total Petroleum Hydrocarbons	43.5	

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #3	Date Reported:	12-17-12
Laboratory Number:	63925	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	16.2	0.1
Total Petroleum Hydrocarbons	16.2	

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**





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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #4	Date Reported:	12-17-12
Laboratory Number:	63926	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	218	0.1
Total Petroleum Hydrocarbons	218	

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #5	Date Reported:	12-17-12
Laboratory Number:	63927	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	16.4	0.1
Total Petroleum Hydrocarbons	16.8	

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #6 - W. Tank	Date Reported:	12-17-12
Laboratory Number:	63928	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**



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

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #7	Date Reported:	12-17-12
Laboratory Number:	63929	Date Sampled:	12-11-12
Chain of Custody No:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Extracted:	12-13-12
Preservative:	Cool	Date Analyzed:	12-14-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

ND - Parameter not detected at the stated detection limit.

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

Comments: **Tayler 29-13**





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

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	1214TCAL QA/QC	Date Reported:	12-17-12
Laboratory Number:	63923	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-14-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
<b>Gasoline Range C5 - C10</b>	12-14-12	9.9960E+02	1.0000E+03	<b>0.04%</b>	<b>0 - 15%</b>
<b>Diesel Range C10 - C28</b>	12-14-12	9.9960E+02	1.0000E+03	<b>0.04%</b>	<b>0 - 15%</b>

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

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

<b>Spike Conc. (mg/Kg)</b>	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
<b>Gasoline Range C5 - C10</b>	<b>ND</b>	<b>250</b>	<b>189</b>	<b>75.7%</b>	<b>75 - 125%</b>
<b>Diesel Range C10 - C28</b>	<b>ND</b>	<b>250</b>	<b>192</b>	<b>76.8%</b>	<b>75 - 125%</b>

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 63923-63929.



**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #1	Date Reported:	12-17-12
Laboratory Number:	63923	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	<b>Fluorobenzene</b>	<b>96.8 %</b>
	<b>1,4-difluorobenzene</b>	<b>107 %</b>
	<b>Bromochlorobenzene</b>	<b>104 %</b>

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

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

**Comments: Tayler 29-13**



**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #2 - Sandstone	Date Reported:	12-17-12
Laboratory Number:	63924	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	13.5	10.0
p,m-Xylene	36.4	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>49.8</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	<b>Fluorobenzene</b>	<b>93.4 %</b>
	<b>1,4-difluorobenzene</b>	<b>87.6 %</b>
	<b>Bromochlorobenzene</b>	<b>107 %</b>

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

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

**Comments: Tayler 29-13**





**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #3	Date Reported:	12-17-12
Laboratory Number:	63925	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	<b>Fluorobenzene</b>	<b>88.8 %</b>
	<b>1,4-difluorobenzene</b>	<b>102 %</b>
	<b>Bromochlorobenzene</b>	<b>93.7 %</b>

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

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

**Comments: Tayler 29-13**





**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #4	Date Reported:	12-17-12
Laboratory Number:	63926	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	<b>Fluorobenzene</b>	<b>90.3 %</b>
	<b>1,4-difluorobenzene</b>	<b>98.2 %</b>
	<b>Bromochlorobenzene</b>	<b>93.2 %</b>

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

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

**Comments: Tayler 29-13**



**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #5	Date Reported:	12-17-12
Laboratory Number:	63927	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94.3 %
	1,4-difluorobenzene	87.1 %
	Bromochlorobenzene	93.0 %

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

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

**Comments: Tayler 29-13**



**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #6 - W. Tank	Date Reported:	12-17-12
Laboratory Number:	63928	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	<b>Fluorobenzene</b>	<b>90.9 %</b>
	<b>1,4-difluorobenzene</b>	<b>96.4 %</b>
	<b>Bromochlorobenzene</b>	<b>91.7 %</b>

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

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

**Comments: Tayler 29-13**





**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	Synergy Operating, LLC	Project #:	02028-0004
Sample ID:	Sample #7	Date Reported:	12-17-12
Laboratory Number:	63929	Date Sampled:	12-11-12
Chain of Custody:	14743	Date Received:	12-11-12
Sample Matrix:	Soil	Date Analyzed:	12-14-12
Preservative:	Cool	Date Extracted:	12-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.9 %
	1,4-difluorobenzene	93.5 %
	Bromochlorobenzene	89.4 %

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

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

**Comments: Tayler 29-13**





**EPA METHOD 8021**  
**AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	1214BCAL QA/QC	Date Reported:	12-17-12
Laboratory Number:	63923	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-14-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
	Accept. Range 0-15%				
Benzene	9.4881E-05	9.5355E-05	0.005	ND	0.2
Toluene	8.6969E-05	8.6604E-05	0.004	ND	0.2
Ethylbenzene	9.7567E-05	9.9099E-05	0.016	ND	0.2
p,m-Xylene	8.1757E-05	8.1955E-05	0.002	ND	0.2
o-Xylene	9.9685E-05	1.0273E-04	0.031	ND	0.2

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

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2500	100	39 - 150
Toluene	ND	2500	2490	99.6	46 - 148
Ethylbenzene	ND	2500	2560	102	32 - 160
p,m-Xylene	ND	5000	5000	100	46 - 148
o-Xylene	ND	2500	2570	103	46 - 148

ND - Parameter not detected at the stated detection limit.

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

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

**Comments: QA/QC for Samples 63923-63929 and 63932-63933.**

## CHAIN OF CUSTODY RECORD

14743

Client: <b>SYNERGY OPERATING, LLC</b>			Project Name / Location: <b>TAYLER 29-13</b>			ANALYSIS / PARAMETERS																
Email results to: <b>SEE CARD</b>			Sampler Name: <b>Tom Mullins</b>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact		
Client Phone No.:			Client No.: <b>02028-0004</b>																			
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative																	
					HgCl <sub>2</sub>	HCl																
Sample #1	12-11-12	11:30	63923 P212035-01A					X	X										✓	✓		
Sample #2 - Sandston		11:34	63924 P212035-02A																			
Sample #3		11:40	63925 P212035-03A																		✓	✓
Sample #4		11:45	63926 P212035-04A																		✓	✓
Sample #5		11:49	63927 P212035-05A																		✓	✓
Sample #6 - W. Tank		11:52	63928 P212035-06A																		✓	✓
Sample #7		11:57	63929 P212035-07A																		✓	✓
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time											
				12-11	3:18 PM					12/11/12	15:18											
Relinquished by: (Signature)						Received by: (Signature)																
Sample Matrix																						
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																						
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																						



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Tayler 29 #013

#### Siting Criteria

A visual site inspection confirming the information contained herein was performed on the well "Tayler 29 #013", which is located at 36.0162315,-107.1853714. This location is located in the San Isidro Valley This location is in section 29 of Township 21 North Range 3 West. This location is located in Sandoval County, New Mexico. The nearest town is Cuba, NM located 12 miles to the east; and the nearest large town with a population greater than 10,000 is Santa Fe, NM located 100 miles to the south east. The nearest highway is US Highway 550, located 12 miles to the east. This location is on BLM land, NM State Lease NMNM29168. This location is in the east part of San Juan basin. This location is located 7041 feet above sea level and receives 11.2 inches of rain each year. The present vegetation is galleta, alkali sacaton, and bottlebrush squirreltail as per the USDA soil series, [https://soilseries.sc.egov.usda.gov/OSD\\_Docs/S/SANDOVAL.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/S/SANDOVAL.html)

The estimated depth to ground water at this point is 149 feet. This estimation is based on the data found on the USGS site for the following well:

**USGS 355758107042301 20N.02W.17.1324 355**

**[https://waterdata.usgs.gov/nwis/measurements/?site\\_no=08332525](https://waterdata.usgs.gov/nwis/measurements/?site_no=08332525)**

Sandoval County, New Mexico

Hydrologic Unit Code 13020205

Latitude 35°57'59.1", Longitude 107°04'26.7" NAD83

Land-surface elevation 6,890 feet above NGVD29

The depth of the well is 240 feet below land surface.

The depth of the hole is 240 feet below land surface.

This well is completed in the Colorado Plateaus aquifers (N300COPLTS) national aquifer.

This well is completed in the Ojo Alamo Sandstone (211OJAM) local aquifer.

This data was last updated in March of 2025 and is located 7.09 miles from the Tayler 29-13 location. [Requesting a variance to the ½ mile request due the lack of closer data point options.](#)

The nearest water body located 601 feet to the north and is a retention/ stock pond with an estimated average water capacity of 25,600 gallons.

The nearest arroyo is .25 of a mile to the east and is a contributory arroyo to the San Isidro Wash. The nearest river is the Rio Puerco River located 11.2 miles southeast. The closest larger body of water is 40 miles to the north east and is the Abiquiu Reservoir located in Rio Arriba County at 36.272322, -106.466664 (NAD83) and 15,600 acres in size. This information was determined from the USGS website, maps attached.

The surface geology at this location is Nacimiento Formation. The soil at this location is silty clay loam, 5 percent slopes and is well drained; medium to high runoff; moderately slow permeability as taken from the Nacimiento soil series by the USDA. The nearest mill is the Cuba Mill,



located 12.5 miles to the east and the nearest mine is the Eagle Mesa Mine located 9.6 miles south west as indicated by the Registered Mines in New Mexico map from EMNRD, attached.

**Regional Hydrogeological context:**

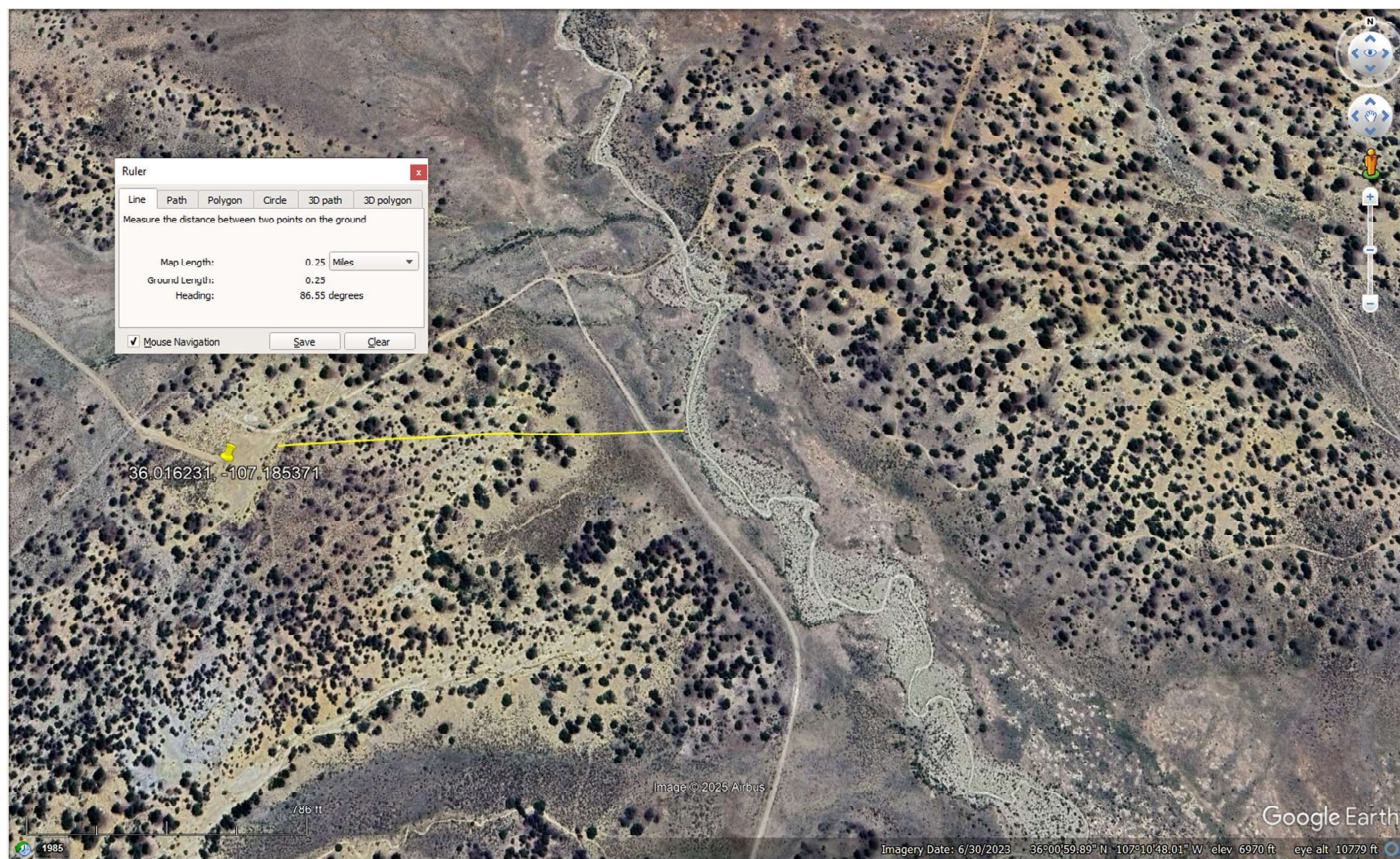
The Nacimiento Formation is a sedimentary rock formation found in the San Juan Basin of western New Mexico. It is a heterogeneous nonmarine formation composed of shale, siltstone, and sandstone, deposited in floodplain, fluvial and lacustrine settings, and made up of sediment shed from the San Juan uplift to the north and the Brazos-Sangre de Cristo uplift to the east. This unit interbeds with the underlying Ojo Alamo Formation but is separated by an unconformity from the overlying San Jose Formation.

*Lucas, S.G.; Ingersoll, R.V. (1981). "Cenozoic continental deposits of New Mexico: an overview". Geological Society of America Bulletin. 92 (12): I 917–I 932, II 1807–II 1981.*

*All Maps included in this report have the scale on the bottom left corner.*







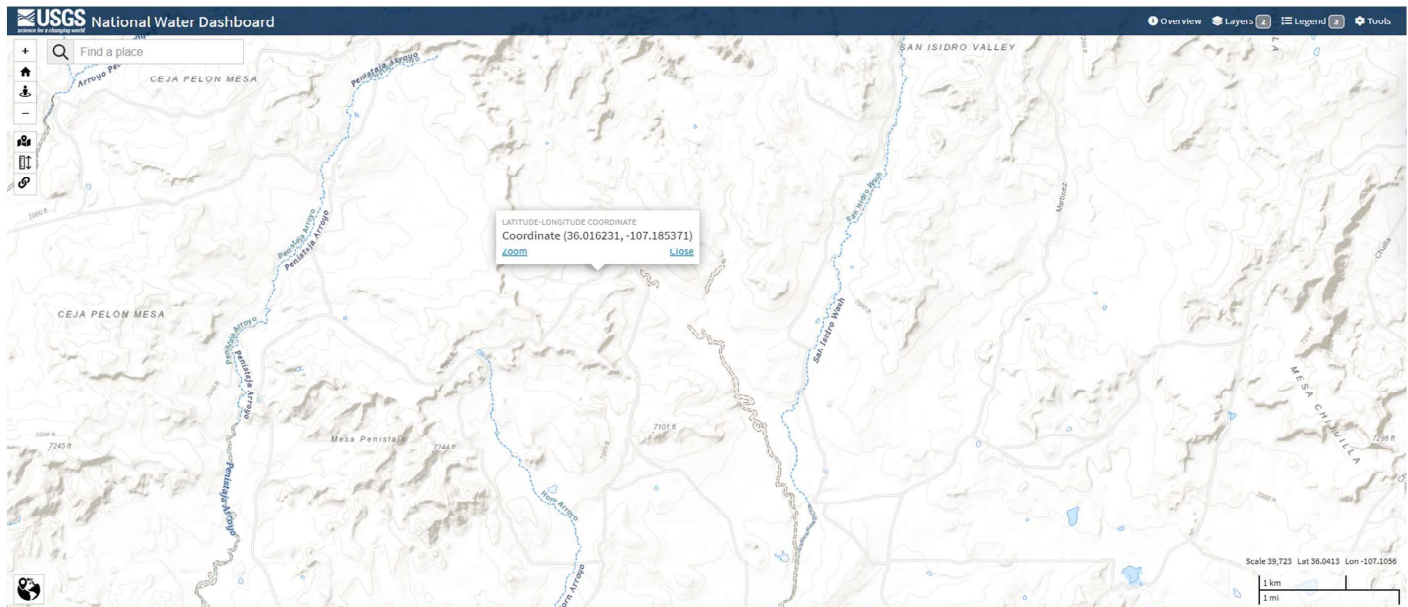
796 Foot scale at bottom left corner.



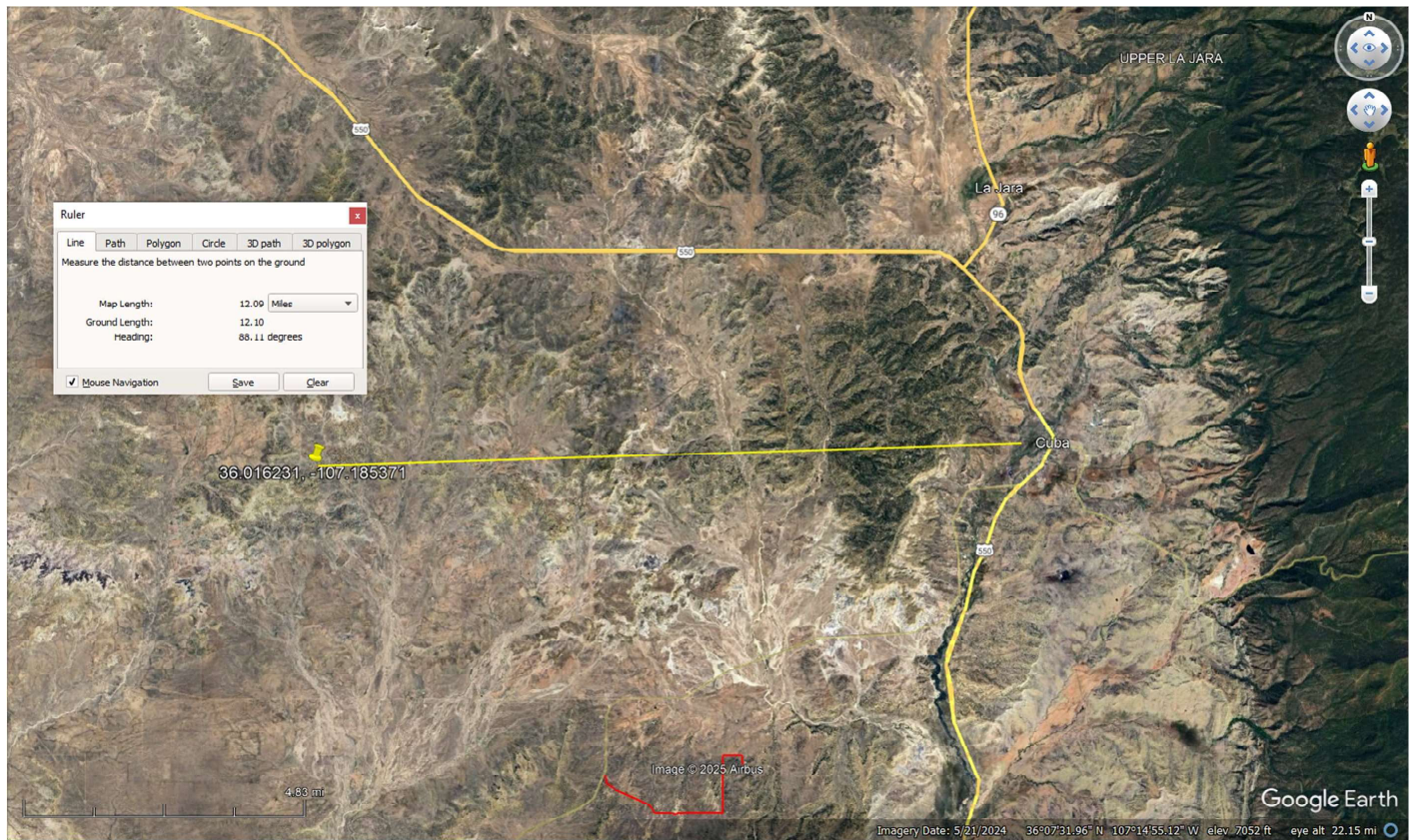


756 Foot Scale, bottom left. Map for water sources, water ways, water course etc within 1 mile.





1 Mile Scale, bottom right. Map for larger water sources, water ways, water course, San Isidro valley



4.83 Mile scale bottom left. Distance to nearest town







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

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

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

## Release Notification and Corrective Action

### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company : Synergy Operating, LLC	Contact: Thomas E. Mullins
Address: PO Box 5513, Farmington, NM 87499	Telephone No.: (505) 325-5449
Facility Name: Tayler 29-13	Facility Type: Well Location
Surface Owner: BLM	Mineral Owner
API No.: 30-043-20569	

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	29	21N	3W	990'	FSL	990'	FEL	Sandoval

Latitude 36.01618 N Longitude -107.18478 W

### NATURE OF RELEASE

Type of Release: Oil and Water Spill	Volume of Release: 45 bbls+/-	Volume Recovered: 17.5 bbls +/-
Source of Release: Wellhead / Stuffing Box Leak	Date and Hour of Occurrence	Date and Hour of Discovery:
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith (NMOCD) & Lucas Vargo (BLM) @ 2:35 pm on 7/13/2015	
By Whom? : Justin Ingram & Tom Mullins	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

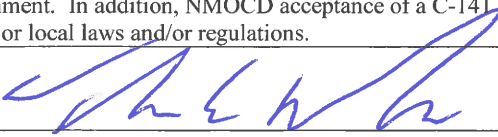
Stuffing Box leaked and spilled oil and produced water on the well location. Two larger pools, one East of wellhead and one West of the wellhead. The fluids traveled in a narrow channel downslope to a second tier of the permitted well location. We immediately notified BLM and NMOCD personnel. We mobilized a water truck to collect 17.5 bbls of fluid and placed it into the water tank on location to separate and be collected. We mobilized a back hoe and roustabout crew with shovels to collect the impacted soils and stockpile them on the location to prevent further impacts. Concern was of possible severe rain event, which could negatively impact the site.

See Attached Description of Work Performed and Test Results Taken during completion of Remedial Activity

Describe Area Affected and Cleanup Action Taken.\*

See Attached Description of Work Activity Performed and Test Results and Clean-up Actions

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

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Thomas E. Mullins	Approved by Environmental Specialist:	
Title: Engineering Manager	Approval Date:	Expiration Date:
E-mail Address: tom.mullins@synergyoperating.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 08/08/2016 Phone: (505) 320-1751		

\* Attach Additional Sheets If Necessary

Synergy Operating, LLC  
 Tayler 29-13  
 FINAL DETAILED  
 C-141 SUPPORT INFORMATION AND MATERIALS  
 8/8/2016

Date	Activity
7/13/2015	Spill Identified, NMOCD and BLM Notified, Initial Clean-up and Containment
7/14/2015	E-mail initial pictures. Site Visit with BLM & NMOCD. Submit Remediation Plan Initially via e-mail.
7/20/2015	Submit Initial C-141 Documents and Remediation Plan. NMOCD Approval to proceed.
7/24/2015	Initial Soil Sampling Meeting. Identify additional hand-shoveling work to be done and additional minor amount of backhoe work to be performed.
7/27/2015	Pumpjack Powerwashed.
7/30/2015	Haul Stockpiled Soils to Envirotech (28 yards)
7/31/2015	Haul Stockpiled Soils to Envirotech (20 yards)
8/12/2015	E-mailed updated status on remediation
8/14/2015	Soil sampling taken, witnessed by Lucas Vargo (BLM) & Cory Smith (OCD)
8/18/2015	Soil sampling Report # 1 completed
8/26/2015	E-mail of Sampling Results # 1 to BLM & NMOCD
9/4/2015	Discussed sampling results with Cory Smith (OCD), Plan additional sample
9/9/2015	Confirmed to proceed with final sampling without witness
9/9/2015	Soil sampling taken, will test for BTEX this time.
9/16/2015	Soil sampling Report # 2 completed
9/25/2015	E-mail of Sampling Results # 2 to BLM & NMOCD
9/28/2015	NMOCD approval to backfill excavated areas.
5/11/2016	NMOCD inspection – Need to haul off final stockpiled soils
5/13/2016	Haul stockpiled soils to Envirotech (10 yards)
5/17/2016	Haul stockpiled soils to Envirotech (32 yards) – Completed Remediation
7/28/2016	Audit request and e-mail to finalize C-141
8/5/2016	E-mail indicating Final C-141 will be filed 8/8/2016

Total soils hauled to Envirotech Land Farm from Spill: 90 yards

Additionally, The next time this well is pulled, the entire stuffing box assembly will be removed and replaced to help ensure this type of spill cannot happen in the future. The stuffing box spill containment system will also have a float installed to kill the pumpjack engine as an additional safety/environmental protection device.

Synergy respectfully requests final approval of this Final C-141 Report related the undesirable event that occurred on 7/13/2015.

Submitted by Thomas E. Mullins

Synergy Operating, LLC

Tayler 29-13

Pictures related to Tayler 29-13

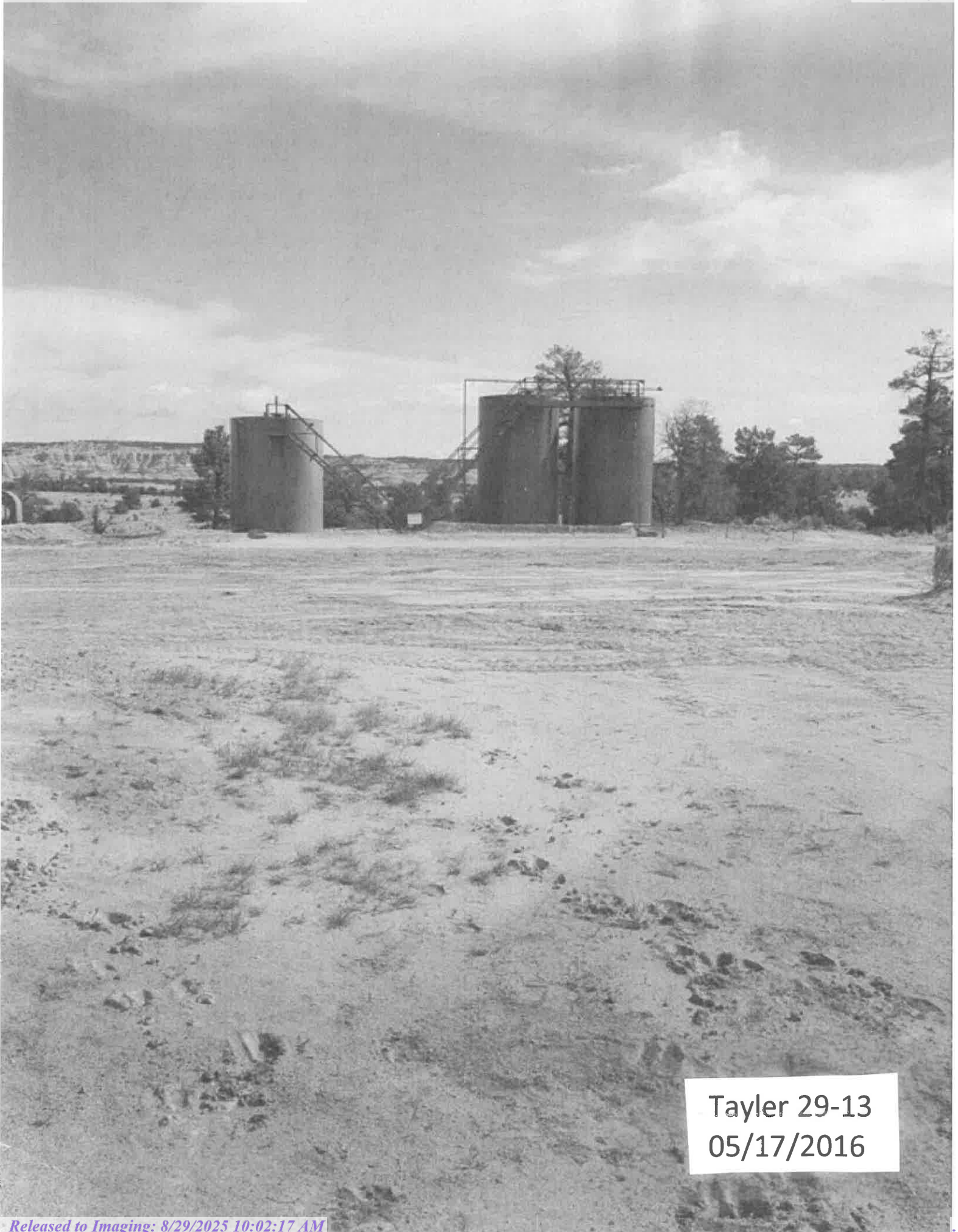
7/13/2015 Initial Spill Pictures

5/17/2016 Final Remediation Pictures





Tayler 29-13  
05/17/2016



Tayler 29-13  
05/17/2016





Spill on well pad area



Spill on well pad area



7/13/2015





Initial Spill Picture

7/13/2015

Synergy Operating, LLC

Tayler 29-13

Envirotech Soil Volume Receipts

7/30/2015	28 Yards
7/31/2015	20 Yards
5/13/2016	10 Yards
5/17/2016	32 Yards
Total:	90 Yards

# Bill of Lading

MANIFEST # 52449

GENERATOR 5 POWER CO.

POINT OF ORIGIN IN/OC 29-13

TRANSPORTER B-13 VAC

DATE 7-30-15 JOB # 02026-00

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

*Signatures required prior to distribution of the legal document.*

**DISTRIBUTION:**    **White** - Company Records,    **Yellow** - Billing,    **Pink** - Customer,    **Goldenrod** - LF Copy







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

GENERATOR ~~XXXXXXXXXX~~ SYNERGY

POINT OF ORIGIN Lead from Italy

TRANSPORTER RAF VAC

DATE 5-13-16 JOB # 02021-0210

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

### Generator Onsite Contact

Phone

*Signatures required prior to distribution of the legal document.*

DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

san juan reproduction 578-126

Page 37 of 96





Synergy Operating, LLC

Tayler 29-13

Envirotech Analytical Reports

Report Dated 8/24/2015

3 Samples Taken 8/14/2015

Report Dated 9/16/2015

2 Samples Taken 9/9/2015



## Analytical Report

### Report Summary

Client: Synergy Operating  
Chain Of Custody Number:  
Samples Received: 8/18/2015 9:07:00AM  
Job Number: 02028-0004  
Work Order: P508051  
Project Name/Location: Tayler 29-13

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 8/24/15

Tim Cain, Laboratory Manager

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

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Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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

envirotech-inc.com  
laboratory@envirotech-inc.com



Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

**Reported:**  
24-Aug-15 07:59

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1 J-Spot Narrow Path	P508051-01A	Soil	08/14/15	08/18/15	Glass Jar, 4 oz.
#2 J-Pot West of Wellhead	P508051-02A	Soil	08/14/15	08/18/15	Glass Jar, 4 oz.
#3 J-Spot East of Wellhead	P508051-03A	Soil	08/14/15	08/18/15	Glass Jar, 4 oz.

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

**Reported:**  
24-Aug-15 07:59

**#1 J-Spot Narrow Path**  
**P508051-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg	1		1534019	08/18/15	08/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	652	25.0	mg/kg	1		1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: o-Terphenyl		125 %		50-200		1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		103 %		50-150		1534019	08/18/15	08/21/15	EPA 8015D	
Cation/Anion Analysis										
Chloride	ND	9.83	mg/kg	1		1534021	08/19/15	08/19/15	EPA 300.0	

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
24-Aug-15 07:59

**#2 J-Pot West of Wellhead**  
**P508051-02 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	36.1	19.9	mg/kg	1		1534019	08/18/15	08/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	707	25.0	mg/kg	1		1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: o-Terphenyl		108 %		50-200		1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		107 %		50-150		1534019	08/18/15	08/21/15	EPA 8015D	
Cation/Anion Analysis										
Chloride	ND	9.97	mg/kg	1		1534021	08/19/15	08/19/15	EPA 300.0	

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
24-Aug-15 07:59

**#3 J-Spot East of Wellhead**  
**P508051-03 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1534019	08/18/15	08/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	272	25.0	mg/kg	1	1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: o-Terphenyl		115 %		50-200	1534022	08/19/15	08/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		105 %		50-150	1534019	08/18/15	08/21/15	EPA 8015D	
Cation/Anion Analysis									
Chloride	11.9	9.83	mg/kg	1	1534021	08/19/15	08/19/15	EPA 300.0	

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Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
24-Aug-15 07:59

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1534019 - Purge and Trap EPA 5030A</b>										
<b>Blank (1534019-BLK1)</b>				Prepared: 18-Aug-15 Analyzed: 20-Aug-15						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.316		"	0.320		98.9	50-150			
<b>LCS (1534019-BS1)</b>				Prepared: 18-Aug-15 Analyzed: 20-Aug-15						
Gasoline Range Organics (C6-C10)	475	20.0	mg/kg	392		121	80-120			SPK1
Surrogate: 4-Bromochlorobenzene-FID	0.323		"	0.320		101	50-150			
<b>Matrix Spike (1534019-MS1)</b>				Source: P508045-01		Prepared: 18-Aug-15 Analyzed: 20-Aug-15				
Gasoline Range Organics (C6-C10)	469	20.0	mg/kg	392	ND	120	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.324		"	0.319		101	50-150			
<b>Matrix Spike Dup (1534019-MSD1)</b>				Source: P508045-01		Prepared: 18-Aug-15 Analyzed: 20-Aug-15				
Gasoline Range Organics (C6-C10)	453	20.0	mg/kg	392	ND	115	75-125	3.49	15	
Surrogate: 4-Bromochlorobenzene-FID	0.323		"	0.320		101	50-150			

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Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
24-Aug-15 07:59

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1534022 - DRO Extraction EPA 3550M</b>										
<b>Blank (1534022-BLK1)</b>				Prepared & Analyzed: 19-Aug-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	48.3		"	40.0		121	50-200			
<b>LCS (1534022-BS1)</b>				Prepared & Analyzed: 19-Aug-15						
Diesel Range Organics (C10-C28)	561	25.0	mg/kg	500		112	38-132			
Surrogate: o-Terphenyl	45.2		"	40.0		113	50-200			
<b>Matrix Spike (1534022-MS1)</b>				Source: P508045-01		Prepared & Analyzed: 19-Aug-15				
Diesel Range Organics (C10-C28)	583	25.0	mg/kg	499	ND	117	38-132			
Surrogate: o-Terphenyl	44.6		"	39.9		112	50-200			
<b>Matrix Spike Dup (1534022-MSD1)</b>				Source: P508045-01		Prepared & Analyzed: 19-Aug-15				
Diesel Range Organics (C10-C28)	585	24.9	mg/kg	499	ND	117	38-132	0.329	20	
Surrogate: o-Terphenyl	46.2		"	39.9		116	50-200			

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Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
24-Aug-15 07:59

### Cation/Anion Analysis - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1534021 - Anion Extraction EPA 300.0</b>										
<b>Blank (1534021-BLK1)</b>				Prepared & Analyzed: 19-Aug-15						
Chloride	ND	9.87	mg/kg							
<b>LCS (1534021-BS1)</b>				Prepared & Analyzed: 19-Aug-15						
Chloride	508	9.94	mg/kg	497		102	90-110			
<b>Matrix Spike (1534021-MS1)</b>				Source: P508045-01 Prepared & Analyzed: 19-Aug-15						
Chloride	583	9.95	mg/kg	498	70.4	103	80-120			
<b>Matrix Spike Dup (1534021-MSD1)</b>				Source: P508045-01 Prepared & Analyzed: 19-Aug-15						
Chloride	574	9.83	mg/kg	491	70.4	103	80-120	1.54	20	

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PO Box 5513  
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Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

**Reported:**  
24-Aug-15 07:59

#### Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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laboratory@envirotech-inc.com



Client: STURGEY  
 Project: TAJIMA 29-13  
 Sampler: Tom Mullins  
 Phone: 505-320-1751  
 Email(s):  
 Project Manager: Tom Mullins

RUSH?

☐ 1d  
☐ 3d

Lab Use Only		Analysis and Method				Lab Only	
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0		
Job Number							
P608051							
02028-0004							
						Lab Number	Correct Cont/Prsv (s) Y/N

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/D/D	BTEX b	TPH by	Chlorid											Correc
#1 5-SPOT NARROW PATH	8/14	11:20	SOIL	JAR - NONE	X			X										1	Y
#2 5-SPOT WEST of wellhead	8/14	11:26	↓	JAR - NONE	X			X										2	Y
#3 5-SPOT EAST of wellhead	8/14	11:35	↓	JAR - NONE	X			X										3	Y
WITNESSED BY LUCAS VARGAS & LORY SMITH																			
MOVED TO FRIDGE OVER																			
WEEKEND, TRANSPORTED IN																			
COOLER THROUGHOUT																			
Tom Mullins																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only													
	8-18	9:05		8.18.15	09:07	**Received on Ice (Y) / N													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 10.8 T2 12.1 T3 11.4													
						AVG Temp °C 11.4													

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

\*\*Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

E-mail or mail



5760 US Highway 68, Farmington NM 87401

Ph (505) 632-6615 Fax (505) 632-1865

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Page 10 of 10



## Analytical Report

### Report Summary

Client: Synergy Operating  
Chain Of Custody Number:  
Samples Received: 9/9/2015 1:26:00PM  
Job Number: 02028-0004  
Work Order: P509014  
Project Name/Location: Tayler 29-13

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 9/16/15

Tim Cain, Laboratory Manager

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

5796 US Highway 64, Farmington, NM 87401

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envirotech-inc.com  
laboratory@envirotech-inc.com





Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

**Reported:**  
16-Sep-15 08:11

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1- 5 Spot Wellhead	P509014-01A	Soil	09/09/15	09/09/15	Glass Jar, 4 oz.
#2- 5 Spot Wellhead	P509014-02A	Soil	09/09/15	09/09/15	Glass Jar, 4 oz.

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
16-Sep-15 08:11

**#1- 5 Spot Wellhead**  
**P509014-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %	50-150		1538008	09/15/15	09/15/15	EPA 8021B	

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laboratory@envirotech-inc.com



Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
16-Sep-15 08:11

**#2- 5 Spot Wellhead**  
**P509014-02 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1538008	09/15/15	09/15/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150		1538008	09/15/15	09/15/15	EPA 8021B	

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

Reported:  
16-Sep-15 08:11

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 1538008 - Purge and Trap EPA 5030A

##### Blank (1538008-BLK1)

Prepared & Analyzed: 15-Sep-15

Benzene	ND	0.10	mg/kg
Toluene	ND	0.10	"
Ethylbenzene	ND	0.10	"
p,m-Xylene	ND	0.20	"
o-Xylene	ND	0.10	"
Total Xylenes	ND	0.10	"
Total BTEX	ND	0.10	"

Surrogate: 4-Bromochlorobenzene-PID 0.316 " 0.320 98.7 50-150

##### LCS (1538008-BS1)

Prepared & Analyzed: 15-Sep-15

Benzene	21.1	0.10	mg/kg	20.0	105	75-125
Toluene	22.2	0.10	"	20.0	111	70-125
Ethylbenzene	23.1	0.10	"	20.0	116	75-125
p,m-Xylene	47.0	0.20	"	40.0	118	80-125
o-Xylene	23.2	0.10	"	20.0	116	75-125

Surrogate: 4-Bromochlorobenzene-PID 0.328 " 0.320 103 50-150

##### Matrix Spike (1538008-MS1)

Source: P509012-01

Prepared & Analyzed: 15-Sep-15

Benzene	22.1	0.10	mg/kg	20.0	ND	111	75-125
Toluene	23.2	0.10	"	20.0	ND	116	70-125
Ethylbenzene	23.5	0.10	"	20.0	ND	117	75-125
p,m-Xylene	48.8	0.20	"	40.0	ND	122	80-125
o-Xylene	24.2	0.10	"	20.0	ND	121	75-125

Surrogate: 4-Bromochlorobenzene-PID 0.327 " 0.320 102 50-150

##### Matrix Spike Dup (1538008-MSD1)

Source: P509012-01

Prepared & Analyzed: 15-Sep-15

Benzene	22.4	0.10	mg/kg	20.0	ND	112	75-125	1.13	15
Toluene	23.7	0.10	"	20.0	ND	118	70-125	2.27	15
Ethylbenzene	24.1	0.10	"	20.0	ND	120	75-125	2.49	15
p,m-Xylene	49.7	0.20	"	40.0	ND	124	80-125	1.90	15
o-Xylene	24.7	0.10	"	20.0	ND	123	75-125	2.05	15

Surrogate: 4-Bromochlorobenzene-PID 0.327 " 0.320 102 50-150

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Synergy Operating  
PO Box 5513  
Farmington NM, 87499

Project Name: Tayler 29-13  
Project Number: 02028-0004  
Project Manager: Tom E. Mullins

**Reported:**  
16-Sep-15 08:11

#### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Lab Use Only	Analysis and Method					Lab Only
Lab WO#	8015	8021	418.1	by 300.0		Lab Number
Job Number						
p509014						
02020-0004						
of						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 8C on subsequent days.		
<input type="checkbox"/> Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info:



Synergy Operating, LLC

Tayler 29-13

Relevant E-mail Correspondence regarding remediation activities on Tayler 29-13.

**Tom Mullins**

---

**From:** Tom Mullins <tom.mullins@synergyoperating.com>  
**Sent:** Wednesday, August 12, 2015 9:48 AM  
**To:** 'Vargo, Lucas'  
**Cc:** 'Smith, Cory, EMNRD'; 'Kelly, Jonathan, EMNRD'; 'Justin Ingram'; 'Calvin Parson'; 'John Brenna'; 'Powell King'; 'Donna Hummel'  
**Subject:** RE: Update - RE: Tayler 29-13 - C-141 Submittal

Lucas and everyone,

I spoke with Lucas this morning on the phone. He indicated that he went out with Cory Smith (and another OCD inspector) the other day to view the 29-13 wellsite. We of course have been getting pounded down in that area with rain.

We have removed the original stockpiled soils to Envirotech's land farm on July 30<sup>th</sup> and 31<sup>st</sup>.

- a) We did power wash the pumpjack on July 27<sup>th</sup>, but apparently did not remove those soils impacted from the powerwashing.
- b) Synergy will stockpile those soils from the powerwashing that have been impacted on Thursday (Aug 13<sup>th</sup>).
- c) Apparently the pumpjack just does not look good, so Synergy will be repainting that equipment as well.
- d) Synergy will use the good clean base soil around the pumpjack where the powerwashing dirty things up.
- e) We had according to our bucket gauge over 5" of water in one storm the other day. We have been very cognizant to look for any other soils that may have been impacted when it dries out enough to see.
- f) I would like to perform the testing at 11 am, this Friday, August 14<sup>th</sup>, since the weather looks good.
- g) Following a review of the testing results by NMOCD and BLM we will then fill in the excavated areas on the well pad, and tidy any last items up.

Does Friday at 11 am work for everyone to meet on the 29-13 location for sampling?

- Tom

**Thomas E. Mullins**  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

---

**From:** Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
**Sent:** Tuesday, July 28, 2015 9:03 AM  
**To:** 'Vargo, Lucas'  
**Cc:** 'Smith, Cory, EMNRD'; 'Kelly, Jonathan, EMNRD'; 'Justin Ingram'; 'Calvin Parson'; 'John Brenna'; 'Powell King'; 'Donna Hummel'  
**Subject:** Update - RE: Tayler 29-13 - C-141 Submittal

We are still trying to finish cleaning up the last few spots of staining. We have been getting some rain, which has caused some delays down around the well location, which need to fully dry out.

I would like to push back the sampling into next week due to anticipated weather issues to make sure we have everything addressed, and the soils are visibly dry from the rains. As Lucas and Jonathan can attest driving into the well location during wet weather is challenging to say the least.



So sampling date to be determined, as soon as I know more we will schedule. Synergy will begin to haul soils to Envirotech (they have the C-138 form) per the remediation plan in the interim, stockpiling the replacement soil which will be delivered to location, waiting to spread it until we have completed our testing and received acceptable results.

- Tom

**Thomas E. Mullins**  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

---

**From:** Tom Mullins [<mailto:tom.mullins@synergyoperating.com>]  
**Sent:** Friday, July 24, 2015 2:59 PM  
**To:** 'Vargo, Lucas'  
**Cc:** 'Smith, Cory, EMNRD'; 'Kelly, Jonathan, EMNRD'; 'Justin Ingram'; 'Calvin Parson'; 'John Brenna'; 'Powell King'; 'Donna Hummel'  
**Subject:** RE: Tayler 29-13 - C-141 Submittal

Everyone,

Justin Ingram, Lucas Vargo and I met at the wellsite. Upon inspection there appeared to be some additional hand shoveling work to be done and a minor amount of backhoe work to be done on the well pad. With the weather drying out our visual inspection indicated we needed to do some more work.

Synergy has a crew lined up to do some additional work on the location tomorrow. We will reschedule the sampling for the middle of next week. Tentatively, Wednesday the 29<sup>th</sup> at 11 am.

Thanks for everyone's patience. No sense sampling at present with additional work to be done.

- Tom

**Thomas E. Mullins**  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

**From:** Vargo, Lucas [<mailto:lvargo@blm.gov>]  
**Sent:** Friday, July 24, 2015 8:21 AM  
**To:** tom mullins  
**Cc:** Smith, Cory, EMNRD; Kelly, Jonathan, EMNRD; Justin Ingram; Calvin Parson; John Brenna; Powell King; Donna Hummel  
**Subject:** Re: Tayler 29-13 - C-141 Submittal

Tom,

I will be there this morning at 11 to witness the sampling. See you there.

Thanks,

Lucas Vargo

Surface and Reclamation Specialist  
BLM-Rio Puerco Field Office  
Cuba Field Station  
office: (575) 289-0068  
cell:(505) 793-1819

"I like to see a man proud of the place in which he lives. I like to see a man live so that his place will be proud of him." -Abraham Lincoln

On Fri, Jul 24, 2015 at 7:52 AM, tom mullins <[tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)> wrote:  
Okay. We will take pictures as well

Sent from Tom's phone.

----- Original message -----

From: "Smith, Cory, EMNRD" <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>

Date: 07/24/2015 7:09 AM (GMT-07:00)

To: Tom Mullins <[tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)>

Cc: "Kelly, Jonathan, EMNRD" <[Jonathan.Kelly@state.nm.us](mailto:Jonathan.Kelly@state.nm.us)>, 'Justin Ingram' <[nevertoslow1247@gmail.com](mailto:nevertoslow1247@gmail.com)>, 'Calvin Parson' <[cparson@blm.gov](mailto:cparson@blm.gov)>, 'John Brenna' <[jbrenna@blm.gov](mailto:jbrenna@blm.gov)>, 'Powell King' <[pkking@blm.gov](mailto:pkking@blm.gov)>, 'Donna Hummel' <[dhummel@blm.gov](mailto:dhummel@blm.gov)>, "'Vargo, Lucas'" <[lvargo@blm.gov](mailto:lvargo@blm.gov)>  
Subject: RE: Tayler 29-13 - C-141 Submittal

Tom,

Thank you for the reminder, I have it down on the schedule and will see if I can get an inspector or myself onsite. However if we are not there at 11am please continue without us.

Thank you,

Cory Smith

Environmental Specialist

Oil Conservation Division

Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410

(505)334-6178 ext 115

[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

---

**From:** Tom Mullins [mailto:[tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)]  
**Sent:** Friday, July 24, 2015 6:23 AM  
**To:** Smith, Cory, EMNRD  
**Cc:** Kelly, Jonathan, EMNRD; 'Justin Ingram'; 'Calvin Parson'; 'John Brenna'; 'Powell King'; 'Donna Hummel'; 'Vargo, Lucas'  
**Subject:** RE: Tayler 29-13 - C-141 Submittal

Just confirming. 11 am today for soil sampling on Tayler 29-13.

I will see everyone there. Thanks.

- Tom

**Thomas E. Mullins**

Engineering Manager

Synergy Operating, LLC

505-320-1751 – Cell

505-599-4905 – Office

---

**From:** Smith, Cory, EMNRD [mailto:[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)]  
**Sent:** Monday, July 20, 2015 3:27 PM  
**To:** Tom Mullins  
**Cc:** Kelly, Jonathan, EMNRD; Justin Ingram; Calvin Parson; John Brenna; Powell King; Donna Hummel; Vargo, Lucas  
**Subject:** RE: Tayler 29-13 - C-141 Submittal

Tom,

The attached remediation plan will work. Please test soils for TPH, BTEX, and Chlorides. The proposed test date is also fine, do you have an estimated time to meet up? As for the C-141 please submit a Hard copy to the District III Aztec Office (Address below)

Thanks,

Cory Smith

Environmental Specialist

Oil Conservation Division

Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410

(505)334-6178 ext 115

[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

**From:** Vargo, Lucas [<mailto:lvargo@blm.gov>]

**Sent:** Monday, July 20, 2015 2:48 PM

**To:** Tom Mullins

**Cc:** Smith, Cory, EMNRD; Kelly, Jonathan, EMNRD; Justin Ingram; Calvin Parson; John Brenna; Powell King; Donna Hummel

**Subject:** Re: Tayler 29-13 - C-141 Submittal

Tom,

Thank you for the update. I should be available on 7/24 to witness the soil testing, etc.



Lucas Vargo

Surface and Reclamation Specialist

BLM-Rio Puerco Field Office

Cuba Field Station

office: (575) 289-0068

cell:(505) 793-1819

"I like to see a man proud of the place in which he lives. I like to see a man live so that his place will be proud of him." -Abraham Lincoln

On Mon, Jul 20, 2015 at 2:31 PM, Tom Mullins <[tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)> wrote:

Cory,

Tayler 29-13

30-043-20569

Attached is the C-141 submittal, along with a copy of the proposed remediation plan submitted via e-mail (7/14/2015 @ 9:41 pm).

My truck is in the shop (replacing the engine) until Thursday most likely. I would like to set up soil testing for Friday (7/24/2015) if that will work for Jonathan and Lucas? We will wait to haul everything off location and cover the impacted areas until after we receive the sampling results.

My apologies for the delay. Please advise if we can proceed as proposed. Do I need to submit a hard copy of the C-141 (Original) by mail, or will the scan work?

- Tom

**Thomas E. Mullins**

Engineering Manager

Synergy Operating, LLC

505-320-1751 – Cell

505-599-4905 – Office

---

**From:** Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]

**Sent:** Friday, July 17, 2015 1:19 PM

**To:** Tom Mullins

**Subject:** RE: Tayler 29-13 - Site Visit Today

Tom

Thanks for the update!

---

**From:** Tom Mullins [mailto:tom.mullins@synergyoperating.com]

**Sent:** Friday, July 17, 2015 8:31 AM

**To:** Kelly, Jonathan, EMNRD; 'Lucas Vargo'

**Cc:** 'Justin Ingram'; Smith, Cory, EMNRD; Powell, Brandon, EMNRD

**Subject:** RE: Tayler 29-13 - Site Visit Today

Quick update.

- a) Still working on the C-141.
- b) Roads drying out finally.
- c) My truck is in the repair shop (towed in from the field), so unable to schedule testing until middle of next week at present, when I should be back up and running.

I appreciate everyone's patience, while I get the paperwork completed and submitted.

- Tom

**Thomas E. Mullins**

Engineering Manager

Synergy Operating, LLC

505-320-1751 – Cell

505-599-4905 – Office

---

**From:** Tom Mullins [<mailto:tom.mullins@synergyoperating.com>]  
**Sent:** Thursday, July 16, 2015 9:52 AM  
**To:** 'Kelly, Jonathan, EMNRD'; 'Lucas Vargo'  
**Cc:** 'Justin Ingram'; 'Smith, Cory, EMNRD'; 'Powell, Brandon, EMNRD'  
**Subject:** RE: Tayler 29-13 - Site Visit Today

Will do. I should have it submitted after lunch today.

- Tom

**Thomas E. Mullins**

Engineering Manager

Synergy Operating, LLC

505-320-1751 – Cell

505-599-4905 – Office

---

**From:** Kelly, Jonathan, EMNRD [<mailto:Jonathan.Kelly@state.nm.us>]  
**Sent:** Wednesday, July 15, 2015 7:25 AM  
**To:** Tom Mullins; Lucas Vargo  
**Cc:** Justin Ingram; Smith, Cory, EMNRD; Powell, Brandon, EMNRD  
**Subject:** RE: Tayler 29-13 - Site Visit Today

Tom,

Everything below appears to be as discussed and required. Once we get and process the C-141 we will better determine the site ranking for this release.

For future environmental issues, please include District 3 Environmental Specialist Cory Smith in the email chain.

Thank you,

Jonathan D. Kelly

Compliance Officer

Oil Conservation Division

Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410

(505)334-6178 ext 122

[jonathan.kelly@state.nm.us](mailto:jonathan.kelly@state.nm.us)

---

**From:** Tom Mullins [<mailto:tom.mullins@synergyoperating.com>]

**Sent:** Tuesday, July 14, 2015 9:41 PM

**To:** Lucas Vargo; Kelly, Jonathan, EMNRD

**Cc:** Justin Ingram

**Subject:**



## Tom Mullins

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Wednesday, May 11, 2016 3:41 PM  
**To:** Tom Mullins  
**Cc:** 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** RE: Synergy Op. - Tayler 29-13

Tom,

Thank you for the update if you have any issue please let me know.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
Sent: Wednesday, May 11, 2016 1:49 PM  
To: Smith, Cory, EMNRD  
Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Cory,

Synergy will be hauling the remaining pile of soil to Envirotech's land farm, where the prior loads were hauled for consistency sake.

We should have it hauled out and the final C-141 submittal by next Friday, May 20th.

Thanks.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Wednesday, May 11, 2016 9:53 AM  
To: Tom Mullins

Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Tom,

Please see the attached photo's in the original email they were taken on 5/5/2016.

I do not know the status of the T-n-T land farm. The contaminated soils have been onsite for half a year, when does Synergy planning on remove the stock piles to an approved facility?

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
Sent: Wednesday, May 11, 2016 9:28 AM  
To: Smith, Cory, EMNRD  
Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Cory,

I have all the paperwork. There should not be any new staining whatsoever, so that is new to me. I will double check it. We collected additional soils and stockpiled for final removal after our last meeting before we took the final samples and those results came back in.

Let me get all that together and submit right away on the final C-141. I believe we have just the final load of soil to haul off, which will give us a new total.  
If T-N-T disposal is now permitted, I would like to haul the soils there as the hauling costs would be less. I would prepare a separate C-138 for this final soil load.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Wednesday, May 11, 2016 9:13 AM  
To: Tom Mullins  
Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Good morning Tom,

An inspector performed an inspection at the Tayler 29-13 on 5-5-16. Upon inspection it appears that Synergy has not removed the contaminated soil that was from last year's release and there is additional staining around the well head. I also conducted a well file review and Synergy has not completed the final C-141 for the release.

What is the status of removing the contaminated dirt and filing the paperwork?

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
Sent: Monday, September 28, 2015 8:33 AM  
To: Smith, Cory, EMNRD  
Cc: 'Lucas Vargo'  
Subject: RE: Synergy Op. - Tayler 29-13

Thanks Cory. Will move forward with back fill and submit final paperwork.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Monday, September 28, 2015 7:10 AM  
To: Tom Mullins  
Cc: Lucas Vargo  
Subject: RE: Synergy Op. - Tayler 29-13

Good Morning Tom,

The BTEX levels are under the closure requirements, I have no objections in allowing Synergy to start backfilling at the Tayler 29-13.

OCD approval to backfill does not relieve Synergy of any other requirements imposed by other regulatory agencies.

If you have any questions please give me a call.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
Sent: Friday, September 25, 2015 8:36 AM  
To: Smith, Cory, EMNRD; Lucas Vargo  
Subject: FW: Synergy Op. - Tayler 29-13

Cory and Lucas,  
My apologies for the delay in getting these results to you both. I took the samples as directed on the wellpad where the majority of the spill was concentrated. The BTEX came back on both samples (I added a second for confirmation purposes) as non-detectable.

I would request that Synergy be allowed to back fill the impacted area and submit all report and analysis on a final C-141 for closure in the next week.

Thanks.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Lynn Cook [mailto:lcook@envirotech-inc.com]  
Sent: Wednesday, September 16, 2015 8:13 AM  
To: tom.mullins@synergyoperating.com  
Subject: Synergy Op. - Tayler 29-13

Tom,  
Attached is the lab report for the Tayler 29-13 samples.  
Please let us know if you have any questions.

Thank You,  
Lynn Cook

Your message is ready to be sent with the following file or link attachments:

P509014 FINAL 16 Sep 15 0811

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



**Tom Mullins**

---

**From:** Tom Mullins <tom.mullins@synergyoperating.com>  
**Sent:** Wednesday, August 26, 2015 7:55 AM  
**To:** cory.smith@state.nm.us; Jonathan EMNRD Kelly (Jonathan.Kelly@state.nm.us); Lucas Vargo (lvargo@blm.gov)  
**Subject:** FW: Synergy - Tayler 29-13  
**Attachments:** P508051 FINAL 24 Aug 15 0759.pdf

Cory, Jonathan and Lucas,

Attached are the sample results from the 3 samples (5 spot - 8015 method) taken on the Tayler 29-13 well location on 8/14/2015. This is after we have removed the impacted soils. I just noted that I forgot to check the BTEX testing box....ugggh.

	TPH (GRO+DRO)	Chlorides
# 1 - Narrow Pathway	652 mg/kg	ND
# 2 - West side of wellhead	743 mg/kg	ND
# 3 - East side of wellhead	272 mg/kg	11.9 mg/kg

I would ask that since we have removed the soils in this instance and the volatile portions have had an opportunity to air out with no groundwater present that the TPH (GRO/DRO) be sufficient to allow moving forward with backfill? Or we can go and sample again.

Cory, please advise and my apologies on the BTEX, which I spaced when I dropped it off.

I will also be sending the prior sampling report for this well that we have discussed per separate e-mail.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

-----Original Message-----

From: Lynn Cook [<mailto:lcook@envirotech-inc.com>]  
Sent: Monday, August 24, 2015 8:19 AM  
To: [tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)  
Subject: Synergy - Tayler 29-13

Tom,  
Attached is the final lab report for the Tayler 29-13 samples.  
Please let us know if you have any questions.

Thank You,  
Lynn Cook

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P508051 FINAL 24 Aug 15 0759

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## Tom Mullins

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Wednesday, September 09, 2015 7:33 AM  
**To:** Tom Mullins  
**Subject:** RE: Synergy - Tayler 29-13

Tom,

I will not be able to make the soil sampling. Please continue without me.

---

**From:** Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
**Sent:** Tuesday, September 08, 2015 5:44 PM  
**To:** 'Vargo, Lucas'; Smith, Cory, EMNRD  
**Cc:** Kelly, Jonathan, EMNRD; 'Calvin Parson'; 'Donna Hummel'; 'John Brenna'  
**Subject:** RETom,: Synergy - Tayler 29-13

Cory,

It appears Lucas will be out this week, but I wanted to confirm that we are still on for soil sampling on the Tayler 29-13 for tomorrow (Sept 9<sup>th</sup>) at 11 am. Can you make it and should I proceed with the testing?

- Tom

**Thomas E. Mullins**  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

---

**From:** Vargo, Lucas [mailto:lvargo@blm.gov]  
**Sent:** Friday, September 04, 2015 10:07 AM  
**To:** Smith, Cory, EMNRD; Tom Mullins  
**Cc:** Kelly, Jonathan, EMNRD; Calvin Parson; Donna Hummel; John Brenna  
**Subject:** Re: Synergy - Tayler 29-13

Tom, Cory,

Thank you for the update. FYI...I will be out of the office next week. I will follow up when I return.

Thanks,

Lucas Vargo  
Surface and Reclamation Specialist  
BLM-Rio Puerco Field Office  
Cuba Field Station  
office: (575) 289-0068

cell:(505) 793-1819

"I like to see a man proud of the place in which he lives. I like to see a man live so that his place will be proud of him." -Abraham Lincoln

On Fri, Sep 4, 2015 at 9:47 AM, Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)> wrote:  
Tom,

Thank you for the reply, Please let me know when you plan to sample and I will try to witness if I can.

Since the release was crude oil, I don't suspect any BTEX constituents. By taking the sample at the point of release, where contamination was concentrated should rule out any BTEX constituents with the other samples.

If you have any questions please give me a call.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

-----Original Message-----

From: Tom Mullins [<mailto:tom.mullins@synergyoperating.com>]  
Sent: Friday, September 04, 2015 9:44 AM  
To: Smith, Cory, EMNRD; Kelly, Jonathan, EMNRD; Lucas Vargo  
Subject: RE: Synergy - Tayler 29-13

Cory,

Thanks for discussing this with me this morning on the phone.

Per our phone discussion, Synergy will secure one (1) additional sample (BTEX Only) of soils 6" below the impacted area near the wellhead to confirm BTEX compliance. Synergy will secure that sample in the next couple of days and send it in for analysis. Results will be supplied per e-mail and confirmation received before soils are backfilled.

Thanks.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Tom Mullins [mailto:[tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)]

Sent: Wednesday, August 26, 2015 7:55 AM

To: [cory.smith@state.nm.us](mailto:cory.smith@state.nm.us); Jonathan EMNRD Kelly ([Jonathan.Kelly@state.nm.us](mailto:Jonathan.Kelly@state.nm.us)); Lucas Vargo ([lvargo@blm.gov](mailto:lvargo@blm.gov))

Subject: FW: Synergy - Tayler 29-13

Cory, Jonathan and Lucas,

Attached are the sample results from the 3 samples (5 spot - 8015 method) taken on the Tayler 29-13 well location on 8/14/2015. This is after we have removed the impacted soils. I just noted that I forgot to check the BTEX testing box....ugggh.

TPH (GRO+DRO) Chlorides

# 1 - Narrow Pathway	652 mg/kg	ND
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I would ask that since we have removed the soils in this instance and the volatile portions have had an opportunity to air out with no groundwater present that the TPH (GRO/DRO) be sufficient to allow moving forward with backfill? Or we can go and sample again.

Cory, please advise and my apologies on the BTEX, which I spaced when I dropped it off.

I will also be sending the prior sampling report for this well that we have discussed per separate e-mail.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Lynn Cook [mailto:[lcook@envirotech-inc.com](mailto:lcook@envirotech-inc.com)]

Sent: Monday, August 24, 2015 8:19 AM

To: [tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)

Subject: Synergy - Tayler 29-13

Tom,  
Attached is the final lab report for the Tayler 29-13 samples.  
Please let us know if you have any questions.

Thank You,  
Lynn Cook

Your message is ready to be sent with the following file or link



attachments:

P508051 FINAL 24 Aug 15 0759

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## Tom Mullins

---

**From:** Tom Mullins <tom.mullins@synergyoperating.com>  
**Sent:** Monday, September 28, 2015 8:33 AM  
**To:** 'Smith, Cory, EMNRD'  
**Cc:** 'Lucas Vargo'  
**Subject:** RE: Synergy Op. - Tayler 29-13

Thanks Cory. Will move forward with back fill and submit final paperwork.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

-----Original Message-----

From: Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]  
Sent: Monday, September 28, 2015 7:10 AM  
To: Tom Mullins  
Cc: Lucas Vargo  
Subject: RE: Synergy Op. - Tayler 29-13

Good Morning Tom,

The BTEX levels are under the closure requirements, I have no objections in allowing Synergy to start backfilling at the Tayler 29-13.

OCD approval to backfill does not relieve Synergy of any other requirements imposed by other regulatory agencies.

If you have any questions please give me a call.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

-----Original Message-----

From: Tom Mullins [<mailto:tom.mullins@synergyoperating.com>]  
Sent: Friday, September 25, 2015 8:36 AM

To: Smith, Cory, EMNRD; Lucas Vargo  
Subject: FW: Synergy Op. - Tayler 29-13

Cory and Lucas,  
My apologies for the delay in getting these results to you both. I took the samples as directed on the wellpad where the majority of the spill was concentrated. The BTEX came back on both samples (I added a second for confirmation purposes) as non-detectable.

I would request that Synergy be allowed to back fill the impacted area and submit all report and analysis on a final C-141 for closure in the next week.

Thanks.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

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Sent: Wednesday, September 16, 2015 8:13 AM  
To: [tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com)  
Subject: Synergy Op. - Tayler 29-13

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## Tom Mullins

---

**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Wednesday, May 25, 2016 3:58 PM  
**To:** Tom Mullins  
**Subject:** RE: Synergy Op. - Tayler 29-13

Tom,

Thank you for the update.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

**From:** Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
**Sent:** Wednesday, May 25, 2016 8:40 AM  
**To:** Smith, Cory, EMNRD  
**Cc:** 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** RE: Synergy Op. - Tayler 29-13

Cory,

Remaining soils were hauled to Envirotech land farm on Tuesday, May 17th. I am finalizing the C-141 documents and should have submitted shortly.  
Apologies for the delay. I will also submit final pictures.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

**From:** Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
**Sent:** Wednesday, May 11, 2016 3:41 PM  
**To:** Tom Mullins  
**Cc:** 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
**Subject:** RE: Synergy Op. - Tayler 29-13

Tom,

Thank you for the update if you have any issue please let me know.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
cory.smith@state.nm.us

-----Original Message-----

From: Tom Mullins [mailto:tom.mullins@synergyoperating.com]  
Sent: Wednesday, May 11, 2016 1:49 PM  
To: Smith, Cory, EMNRD  
Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Cory,

Synergy will be hauling the remaining pile of soil to Envirotech's land farm, where the prior loads were hauled for consistency sake.

We should have it hauled out and the final C-141 submittal by next Friday, May 20th.

Thanks.

- Tom

Thomas E. Mullins  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
505-599-4905 - Office

-----Original Message-----

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]  
Sent: Wednesday, May 11, 2016 9:53 AM  
To: Tom Mullins  
Cc: 'Lucas Vargo'; Fields, Vanessa, EMNRD; Kelly, Jonathan, EMNRD  
Subject: RE: Synergy Op. - Tayler 29-13

Tom,

Please see the attached photo's in the original email they were taken on 5/5/2016.

I do not know the status of the T-n-T land farm. The contaminated soils have been onsite for half a year, when does Synergy planning on remove the stock piles to an approved facility?



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Cory,

I have all the paperwork. There should not be any new staining whatsoever, so that is new to me. I will double check it. We collected additional soils and stockpiled for final removal after our last meeting before we took the final samples and those results came back in.

Let me get all that together and submit right away on the final C-141. I believe we have just the final load of soil to haul off, which will give us a new total.  
If T-N-T disposal is now permitted, I would like to haul the soils there as the hauling costs would be less. I would prepare a separate C-138 for this final soil load.

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What is the status of removing the contaminated dirt and filing the paperwork?

Cory Smith

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Subject: RE: Synergy Op. - Tayler 29-13

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505-320-1751 - Cell  
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Cc: Lucas Vargo  
Subject: RE: Synergy Op. - Tayler 29-13

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Cory Smith  
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I would request that Synergy be allowed to back fill the impacted area and submit all report and analysis on a final C-141 for closure in the next week.

Thanks.

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Engineering Manager  
Synergy Operating, LLC  
505-320-1751 - Cell  
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From: Lynn Cook [mailto:lcook@envirotech-inc.com]

Sent: Wednesday, September 16, 2015 8:13 AM

To: tom.mullins@synergyoperating.com

Subject: Synergy Op. - Tayler 29-13

Tom,

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Please let us know if you have any questions.

Thank You,  
Lynn Cook

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151

**Tom Mullins**

---

**From:** Tom Mullins <tom.mullins@synergyoperating.com>  
**Sent:** Friday, August 05, 2016 10:05 AM  
**To:** 'Smith, Cory, EMNRD'  
**Subject:** RE: Release Records Audit Synergy Operating

Yes. Cory. I am on it. It has been on my desk to finalize for some time.  
I will finish it over the weekend so I can turn it in on Monday.

- Tom

**Thomas E. Mullins**  
Engineering Manager  
Synergy Operating, LLC  
505-320-1751 – Cell  
505-599-4905 – Office

---

**From:** Smith, Cory, EMNRD [<mailto:Cory.Smith@state.nm.us>]  
**Sent:** Thursday, July 28, 2016 2:39 PM  
**To:** Tom Mullins ([tom.mullins@synergyoperating.com](mailto:tom.mullins@synergyoperating.com))  
**Cc:** Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD  
**Subject:** Release Records Audit Synergy Operating

Tom,

OCD has conducted an audit of our release incident records and indicate that the following sites are still outstanding and are either:

- 1) Still open and an active remediation site, or
- 2) Awaiting final paper work.

Can you please provide a **detailed** update for each of the follow sites to include the status of the remediation, a time frame for the start of remediation or completion, or the status of the final report including a time frame for submittal.

IncidentNo	Well Name/Facility Name	API Well No	Operator	Release Date
nCS1519452678	Taylor 29 #13	30-043-20569	SYNERGY OIL & GAS INC	7/13/15

If you have any questions please give me a call.

Cory Smith



Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 498235

**QUESTIONS**

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nJK1122347686
Incident Name	NJK1122347686 TAYLER 29 #013 @ 30-043-20569
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-043-20569] TAYLER 29 #013

**Location of Release Source**

Please answer all the questions in this group.

Site Name	TAYLER 29 #013
Date Release Discovered	06/22/2011
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Crude Oil   Released: 10 BBL   Recovered: 10 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Produced Water   Released: 35 BBL   Recovered: 25 BBL   Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 498235

**QUESTIONS (continued)**

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

I hereby agree and sign off to the above statement	Name: Krysten Moore Title: Member Email: <a href="mailto:krysten@advancedwirelessllc.com">krysten@advancedwirelessllc.com</a> Date: 08/21/2025
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QUESTIONS, Page 3

Action 498235

**QUESTIONS (continued)**

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	11.9
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0.2
GRO+DRO (EPA SW-846 Method 8015M)	0.2
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.2

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/24/2015
On what date will (or did) the final sampling or liner inspection occur	09/16/2015
On what date will (or was) the remediation complete(d)	05/17/2016
What is the estimated surface area (in square feet) that will be reclaimed	150
What is the estimated volume (in cubic yards) that will be reclaimed	30
What is the estimated surface area (in square feet) that will be remediated	150
What is the estimated volume (in cubic yards) that will be remediated	30

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.



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QUESTIONS, Page 4

Action 498235

**QUESTIONS (continued)**

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	<b>Yes</b>
Which OCD approved facility will be used for <b>off-site</b> disposal	<b>ENVIROTECH LANDFARM #2 [fEEM0112336756]</b>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	<i>Not answered.</i>
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	<i>Not answered.</i>
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	<b>No</b>
(In Situ) Soil Vapor Extraction	<b>No</b>
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<b>No</b>
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<b>No</b>
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<b>No</b>
Ground Water Abatement pursuant to 19.15.30 NMAC	<b>No</b>
OTHER (Non-listed remedial process)	<b>No</b>
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
I hereby agree and sign off to the above statement	Name: Krysten Moore Title: Member Email: <a href="mailto:krysten@advancedwirelessllc.com">krysten@advancedwirelessllc.com</a> Date: 08/21/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 498235

QUESTIONS (continued)

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 498235

**QUESTIONS (continued)**

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	500219
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/02/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	120

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	150
What was the total volume (cubic yards) remediated	30
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	150
What was the total volume (in cubic yards) reclaimed	30
Summarize any additional remediation activities not included by answers (above)	Excavated, back filled
<p><i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i></p>	
<p>I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.</p>	
I hereby agree and sign off to the above statement	Name: Krysten Moore Title: Member Email: <a href="mailto:krysten@advancedwirelessllc.com">krysten@advancedwirelessllc.com</a> Date: 08/21/2025

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QUESTIONS, Page 7  
  
Action 498235

QUESTIONS (continued)

Operator:  ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID:  371710
	Action Number:  498235
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 498235

CONDITIONS

Operator: ADVANCED WIRELESS COMMUNICATIONS, L.L.C. 24 Road 1956 Farmington, NM 87401	OGRID: 371710
	Action Number: 498235
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	8/29/2025