

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

API # 30-045-31250

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	San Juan Resources	Contact	Vern Andrews
Address	c/o Walsh Engineering, 7415 East main St., Farmington, NM 87402	Telephone No.	505-327-4892
Facility Name	Apperson # 1E	Facility Type -	Well Location

Surface Owner - FEE	Mineral Owner - FEE	Lease No. - FEE
---------------------	---------------------	-----------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	30	30N	11W	1964	South	670	East	San Juan

Latitude 36.781428 Longitude -108.025208

NATURE OF RELEASE

Type of Release -	Condensate/Produced water	Volume of Release < 5 BBLS	Volume Recovered - 12 yds of soil
Source of Release --	Tubing	Date and Hour of Occurrence	Date and Hour of Discovery 7/31/09 - 6:22 am
Was Immediate Notice Given?	☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	RCVD OCT 20 '09 OIL CONS. DIV. DIST. 3
By Whom?		Date and Hour -	
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The stuffing box packing blew out and released natural gas, condensate and water into the air and onto the soil around the wellhead. The San Juan County Sherriff's Dept. Deputy Gary Mauldon called in the leak. Vern Andrews responded and shut in the BOP. NMOCD - Brandon Powell was notified and taken to location on August 4 and it was determined that the area around the wellhead should be excavated. Soil was excavated on 8/27/09 and hauled to Industrial Ecosystem's Landfarm for remediation. A composite sample was taken to Envirotech for final lab analysis. Approximately 12 yards was removed from location from around the wellhead.

Describe Area Affected and Cleanup Action Taken.*

The soil around the wellhead was excavated on 8/27/09 and hauled to Industrial Ecosystem's Landfarm for remediation. A composite sample was taken to Envirotech for final lab analysis. Approximately 12 yards was removed from location from around the wellhead.

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: <i>Vern O. Andrews</i>	OIL CONSERVATION DIVISION	
Printed Name: Vern Andrews	Approved by District Supervisor: <i>Brandon Powell</i>	For: CP
Title: Production Foreman	Approval Date: <i>11/9/09</i>	Expiration Date:
E-mail Address: vern@walsheng.net	Conditions of Approval:	Attached ☐
Date: 10/1/09	Phone: 505-320-1763	

* Attach Additional Sheets If Necessary

Incident # *NRMD 0931626964* 7



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

Client:	San Juan Resources	Project #:	05217-0003
Sample ID:	Wellhead	Date Reported:	09-02-09
Laboratory Number:	51451	Date Sampled:	08-27-09
Chain of Custody No:	7847	Date Received:	08-28-09
Sample Matrix:	Soil	Date Extracted:	08-31-09
Preservative:	Cool	Date Analyzed:	09-01-09
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	0.2

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: **Apperson #1E**

Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-01-09 QA/QC	Date Reported:	09-02-09
Laboratory Number:	51427	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-01-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0036E+003	1.0040E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.8512E+002	9.8551E+002	0.04%	0 - 15%

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

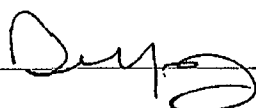
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

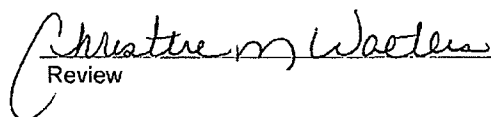
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	254	102%	75 - 125%
Diesel Range C10 - C28	ND	250	257	103%	75 - 125%

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 51423, 51427 - 51429, 51433 - 51435, 51451, and 51468 - 51469.

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	San Juan Resources	Project #:	05217-0003
Sample ID:	Wellhead	Date Reported:	09-02-09
Laboratory Number:	51451	Date Sampled:	08-27-09
Chain of Custody:	7847	Date Received:	08-28-09
Sample Matrix:	Soil	Date Analyzed:	09-01-09
Preservative:	Cool	Date Extracted:	08-31-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	3.9	1.0
Ethylbenzene	3.8	1.0
p,m-Xylene	22.0	1.2
o-Xylene	9.7	0.9
Total BTEX	39.4	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Apperson #1E

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-01-BT QA/QC	Date Reported:	09-02-09
Laboratory Number:	51427	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-01-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	H-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range	0 - 15%		
Benzene	3.0966E+006	3.1028E+006	0.2%	ND	0.1
Toluene	2.9047E+006	2.9105E+006	0.2%	ND	0.1
Ethylbenzene	2.6097E+006	2.6150E+006	0.2%	ND	0.1
p,m-Xylene	6.7995E+006	6.8132E+006	0.2%	ND	0.1
o-Xylene	2.5188E+006	2.5238E+006	0.2%	ND	0.1

Duplicate Conc (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc (ug/Kg)	Sample	Amount Spiked	Spiked Sample	%Recovery	Accept Range
Benzene	ND	50.0	49.5	99.0%	39 - 150
Toluene	ND	50.0	45.0	90.0%	46 - 148
Ethylbenzene	ND	50.0	48.0	96.0%	32 - 160
p,m-Xylene	ND	100	98.0	98.0%	46 - 148
o-Xylene	ND	50.0	43.0	86.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

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 51423, 51427 - 51429, 51433 - 51435, 51451, and 51468 - 51469

Analyst

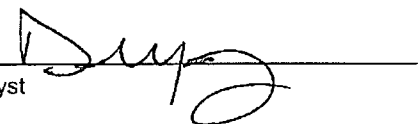
Review

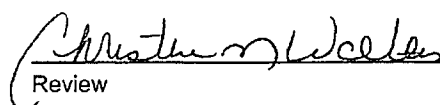
Client:	San Juan Resources	Project #:	05217-0003
Sample ID:	Wellhead	Date Reported:	09-02-09
Laboratory Number:	51451	Date Sampled:	08-27-09
Chain of Custody:	7847	Date Received:	08-28-09
Sample Matrix:	Soil Extract	Date Extracted:	08-30-09
Preservative:	Cool	Date Analyzed:	08-31-09
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	7.42	s.u.		
Conductivity @ 25° C	753	umhos/cm		
Total Dissolved Solids @ 180C	500	mg/L		
Total Dissolved Solids (Calc)	484	mg/L		
SAR	6.2	ratio		
Total Alkalinity as CaCO3	66.0	mg/L		
Total Hardness as CaCO3	83	mg/L		
Bicarbonate as HCO3	66.0	mg/L	1.08	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.20	mg/L	0.00	meq/L
Nitrite Nitrogen	0.008	mg/L	0.00	meq/L
Chloride	55.0	mg/L	1.55	meq/L
Fluoride	0.280	mg/L	0.01	meq/L
Phosphate	2.40	mg/L	0.08	meq/L
Sulfate	223	mg/L	4.64	meq/L
Iron	<0.01	mg/L	0.00	meq/L
Calcium	27.1	mg/L	1.35	meq/L
Magnesium	3.82	mg/L	0.31	meq/L
Potassium	2.12	mg/L	0.05	meq/L
Sodium	130	mg/L	5.66	meq/L
Cations			7.38	meq/L
Anions			7.37	meq/L
Cation/Anion Difference			0.08%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Apperson #1E.


 Analyst


 Review

CHAIN OF CUSTODY RECORD

7947

Client: SAN JUAN RESOURCES			Project Name / Location: APPERSON #1E			ANALYSIS / PARAMETERS														
Client Address: 7415 E. MAIN FARMINGTON, NM 87402			Sampler Name: VERN ANDREWS			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: 505-320-1763			Client No.: 05217-0003																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative														
						H ₂ O ₂	HCl													
WELLHEAD	8/27/09	4:00PM	51451	Soil Sludge Solid Aqueous																
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
Relinquished by: (Signature) Vern O. Andrews					Date 8/28/09	Time 9:00	Received by: (Signature) [Signature]					Date 8/28/09	Time 0900							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com