

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 Enervest Operating	Contact Michael Dame
Address 2700 Farmington Ave Building K, Suite #1	Telephone No. 505-325-0318
Facility Name Jicarilla Contract 148 #36	Facility Type Oil & Gas Production

Surface Owner Jicarilla Tribe	Mineral Owner Jicarilla Tribe	API No. 30-039-23680
-------------------------------	-------------------------------	----------------------

**LOCATION OF RELEASE**

Unit Letter H	Section 23	Township 25N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------

Latitude N. 36.40453 Longitude W -107.31505

**NATURE OF RELEASE**

Type of Release - None	Volume of Release - None	Volume Recovered - None
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	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.\*

Below grade tank excavation closure A five point composite sample was collect from the excavation and submitted to Envirotech Analytical Laboratory for analysis.

The results are:

Benzene - Non Detect (EPA Method 8021)  
BTEX - Non Detect mg/kg (EPA Method 8021)  
GRO/DRO -140 /kg (EPA 8015)  
Total Petroleum Hydrocarbons - 472 mg/kg (EPA Method 418.1)  
Chloride -Non Detect (EPA Method 300.0)

**OIL CONS. DIV DIST. 3**  
**AUG 04 2017**

Describe Area Affected and Cleanup Action Taken.\*

Not sure if or when a release had occurred for the soil to have elevated levels of DRO and Total Petroleum Hydrocarbons

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>Michael Dame</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Michael Dame		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HSE Associate	Approval Date:	Expiration Date:	
E-mail Address: mdame@enervest.net	Conditions of Approval: <u>                    </u>	Attached <input type="checkbox"/>	
Date: 7-19-2017 Phone: 505-325-0318			

\* Attach Additional Sheets If Necessary

#NCS1723452433

11



## Analytical Report

### Report Summary

Client: Enervest Operating

Chain Of Custody Number:

Samples Received: 6/1/2017 1:50:00PM

Job Number: 05123-0002

Work Order: P706003

Project Name/Location: Jicarilla Contract 148 #36

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', followed by a stylized monogram 'HH'.

Date: 6/6/17

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain', followed by a stylized monogram 'TC'.

Date: 6/6/17

Tim Cain, Quality Assurance Officer

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.



Enervest Operating  
2700 Farmington Ave.  
Farmington NM, 87401

Project Name: Jicarilla Contract 148 #36  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
06-Jun-17 12:48

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Jicarilla Contract 148 #36	P706003-01A	Soil	06/01/17	06/01/17	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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



Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Contract 148 #36 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Jun-17 12:48
--	--	------------------------------

**Jicarilla Contract 148 #36  
P706003-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatiles Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %		50-150	1722009	06/02/17	06/02/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1722009	06/02/17	06/02/17	EPA 8015D	
Diesel Range Organics (C10-C28)	140	25.0	mg/kg	1	1722011	06/02/17	06/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %		50-150	1722009	06/02/17	06/02/17	EPA 8015D	
Surrogate: n-Nonane		121 %		50-200	1722011	06/02/17	06/05/17	EPA 8015D	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	472	40.0	mg/kg	1	1723003	06/05/17	06/05/17	EPA 418.1	
<b>Cation/Anion Analysis</b>									
Chloride	ND	20.0	mg/kg	1	1723001	06/05/17	06/05/17	EPA 300.0	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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



Envirotech Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Contract 148 #36 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Jun-17 12:48
--	--	------------------------------

### Volatiles 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 1722009 - Purge and Trap EPA 5030A

##### Blank (1722009-BLK1)

Prepared & Analyzed: 02-Jun-17

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	7.18		"	8.00		89.8	50-150			

##### LCS (1722009-BS1)

Prepared & Analyzed: 02-Jun-17

Benzene	4.20	0.10	mg/kg	5.00		84.1	70-130			
Toluene	4.34	0.10	"	5.00		86.9	70-130			
Ethylbenzene	4.43	0.10	"	5.00		88.7	70-130			
p,m-Xylene	8.85	0.20	"	10.0		88.6	70-130			
o-Xylene	4.36	0.10	"	5.00		87.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		"	8.00		95.9	50-150			

##### Matrix Spike (1722009-MS1)

Source: P705052-01

Prepared & Analyzed: 02-Jun-17

Benzene	4.15	0.10	mg/kg	5.00	ND	82.9	54.3-133			
Toluene	4.27	0.10	"	5.00	ND	85.4	61.4-130			
Ethylbenzene	4.32	0.10	"	5.00	ND	86.5	61.4-133			
p,m-Xylene	8.61	0.20	"	10.0	ND	86.2	63.3-131			
o-Xylene	4.23	0.10	"	5.00	ND	84.7	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.74		"	8.00		96.8	50-150			

##### Matrix Spike Dup (1722009-MSD1)

Source: P705052-01

Prepared & Analyzed: 02-Jun-17

Benzene	4.25	0.10	mg/kg	5.00	ND	85.1	54.3-133	2.55	20	
Toluene	4.40	0.10	"	5.00	ND	88.1	61.4-130	3.04	20	
Ethylbenzene	4.47	0.10	"	5.00	ND	89.5	61.4-133	3.46	20	
p,m-Xylene	8.91	0.20	"	10.0	ND	89.2	63.3-131	3.42	20	
o-Xylene	4.38	0.10	"	5.00	ND	87.6	63.3-131	3.40	20	
Surrogate: 4-Bromochlorobenzene-PID	7.71		"	8.00		96.4	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

envirotech-inc.com

laboratory@envirotech-inc.com





Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Contract 148 #36 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Jun-17 12:48
--	--	------------------------------

### 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 1722009 - Purge and Trap EPA 5030A</b>										
<b>Blank (1722009-BLK1)</b>				Prepared & Analyzed: 02-Jun-17						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.19		"	8.00		115	50-150			
<b>LCS (1722009-BS1)</b>				Prepared & Analyzed: 02-Jun-17						
Gasoline Range Organics (C6-C10)	61.8	20.0	mg/kg	60.9		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.18		"	8.00		115	50-150			
<b>Matrix Spike (1722009-MS1)</b>				Source: P705052-01		Prepared & Analyzed: 02-Jun-17				
Gasoline Range Organics (C6-C10)	59.8	20.0	mg/kg	60.9	ND	98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.17		"	8.00		115	50-150			
<b>Matrix Spike Dup (1722009-MSD1)</b>				Source: P705052-01		Prepared & Analyzed: 02-Jun-17				
Gasoline Range Organics (C6-C10)	61.4	20.0	mg/kg	60.9	ND	101	70-130	2.56	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.10		"	8.00		114	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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



Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Contract 148 #36 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Jun-17 12:48
--	--	------------------------------

### 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 1722011 - DRO Extraction EPA 3570</b>										
<b>Blank (1722011-BLK1)</b>				Prepared: 02-Jun-17 Analyzed: 05-Jun-17						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	51.2		"	50.0		102	50-200			
<b>LCS (1722011-BS1)</b>				Prepared: 02-Jun-17 Analyzed: 05-Jun-17						
Diesel Range Organics (C10-C28)	496	25.0	mg/kg	500		99.2	38-132			
Surrogate: n-Nonane	54.6		"	50.0		109	50-200			
<b>Matrix Spike (1722011-MS1)</b>				Source: P706003-01 Prepared: 02-Jun-17 Analyzed: 05-Jun-17						
Diesel Range Organics (C10-C28)	672	25.0	mg/kg	500	140	107	38-132			
Surrogate: n-Nonane	60.7		"	50.0		121	50-200			
<b>Matrix Spike Dup (1722011-MSD1)</b>				Source: P706003-01 Prepared: 02-Jun-17 Analyzed: 05-Jun-17						
Diesel Range Organics (C10-C28)	713	25.0	mg/kg	500	140	115	38-132	5.90	20	
Surrogate: n-Nonane	60.9		"	50.0		122	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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



Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Contract 148 #36 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Jun-17 12:48
--	--	------------------------------

### Total Petroleum Hydrocarbons by 418.1 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1723003 - 418 Freon Extraction</b>										
<b>Blank (1723003-BLK1)</b>				Prepared & Analyzed: 05-Jun-17						
Total Petroleum Hydrocarbons	ND	40.0	mg/kg							
<b>LCS (1723003-BS1)</b>				Prepared & Analyzed: 05-Jun-17						
Total Petroleum Hydrocarbons	1060	40.0	mg/kg	1000		106	80-120			
<b>Matrix Spike (1723003-MS1)</b>				Source: P706003-01 Prepared & Analyzed: 05-Jun-17						
Total Petroleum Hydrocarbons	1470	40.0	mg/kg	1000	472	100	70-130			
<b>Matrix Spike Dup (1723003-MSD1)</b>				Source: P706003-01 Prepared & Analyzed: 05-Jun-17						
Total Petroleum Hydrocarbons	1450	40.0	mg/kg	1000	472	97.4	70-130	1.78	30	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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





Enervest Operating  
2700 Farmington Ave.  
Farmington NM, 87401

Project Name: Jicarilla Contract 148 #36  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
06-Jun-17 12:48

### 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 1723001 - Anion Extraction EPA 300.0</b>										
<b>Blank (1723001-BLK1)</b>				Prepared & Analyzed: 05-Jun-17						
Chloride	ND	20.0	mg/kg							
<b>LCS (1723001-BS1)</b>				Prepared & Analyzed: 05-Jun-17						
Chloride	253	20.0	mg/kg	250		101	90-110			
<b>Matrix Spike (1723001-MS1)</b>				Source: P706003-01 Prepared & Analyzed: 05-Jun-17						
Chloride	254	20.0	mg/kg	250	ND	102	80-120			
<b>Matrix Spike Dup (1723001-MSD1)</b>				Source: P706003-01 Prepared & Analyzed: 05-Jun-17						
Chloride	257	20.0	mg/kg	250	ND	103	80-120	1.16	20	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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



Enervest Operating  
2700 Farmington Ave.  
Farmington NM, 87401

Project Name: Jicarilla Contract 148 #36  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
06-Jun-17 12:48

#### 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

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

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

Ph (505) 632-0615 Fx (505) 632-1865

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

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

Client: Enervest Operating  
 Project: Jicarilla Contract 148 #36  
 Sampler: Michael Dame  
 Phone: 505-215-7879  
 Email(s): mdame@enervest.net  
 Project Manager: Michael Dame



RUSH?

☐ 1d  
☒ 3d

Lab Use Only		Analysis and Method							Lab Only	
Lab WO# <b>P706003</b>		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/Prsr (s) Y/N
Job Number <b>05123-0002</b>										

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPEReservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/Prsr (s) Y/N
Jicarilla Contract 148 #36	6-1-17	9:42	Solid Sd	1-4oz soil	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				1	Y

Relinquished by: (Signature) 	Date <b>6/1/17</b>	Time <b>1350</b>	Received by: (Signature) 	Date <b>6/1/17</b>	Time <b>1350</b>	Lab Use Only **Received on Ice Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2
AVG Temp °C <b>17.3</b>						T3	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass

\*\*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: