

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

Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

Name of Company: Enervest Operating LLC	Contact: Lee Gardner
Address: 2700 Farmington Ave, Bld K, Suite #1 Farmington NM 87401	Telephone No. 505-325-0318
Facility Name: Jicarilla Apache 102-30	Facility Type: Gas Well
Surface Owner: Jicarilla Apache Nation	Mineral Owner: Jicarilla Apache Nation
API No. 30-039-21582	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	10	26N	4W					Rio Arriba

Latitude N 36.50346 Longitude W 107.23460

**NATURE OF RELEASE**

Type of Release: Condensate/ Produced Water	Volume of Release: 100 BBL	Volume Recovered: 10 BBL
Source of Release: Frozen water drain valve	Date and Hour of Occurrence: 2-14-14 Unknown	Date and Hour of Discovery: 2-17-14 08:00
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.	

RCVD MAR 12 '14

OIL CONS. DIV.  
DIST. 3

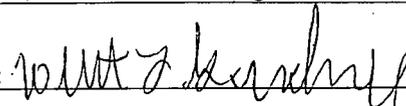
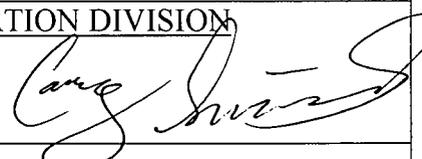
**Describe Cause of Problem and Remedial Action Taken.\***

The water drain valve frozen and cracked open allowing approximately 100 bbl. of condensate and produced water to leaking into the ground. The tank was drained utilizing a vacuum truck. The valve was replaced.

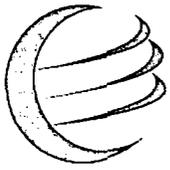
**Describe Area Affected and Cleanup Action Taken.\***

The vacuum truck cleaned up any free liquids inside the containment wall. The storage tank was removed from the impacted area. The impacted soil under the storage tank was excavated for disposal. Approximately 900 cubic yards of impacted soil was transported to T-N-T Land Farm for disposal. Replacement soil was obtained from a nearby pond per Jicarilla Apache Tribal Environmental Protection Officer instructions. The site was tested for BTEX, GRO/DRO, Chlorides and Total Petroleum Hydrocarbons. The laboratory analysis is attached.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Wilbert L Gardner	Approved by Environmental Specialist: 	
Title: Sr HSE Specialist	Approval Date:	Expiration Date:
E-mail Address: Wgardner@enervest.net	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3-12-2014	Phone: 505-325-0318	

Incident # NCS. 141065 2223 12



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Analytical Laboratory

## Analytical Report

### Report Summary

Client: Enervest Operating  
Chain Of Custody Number: 15795  
Samples Received: 2/25/2014 2:25:00PM  
Job Number: 05123-0002  
Work Order: P402083  
Project Name/Location: Jic 102 #30

Entire Report Reviewed By:

Date: 3/5/14

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.





Envest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
5 Point Banks & Floor	P402083-01A	Soil	02/25/14	02/25/14	Glass Jar, 4 oz.
4 Point Floor	P402083-02A	Soil	02/25/14	02/25/14	Glass Jar, 4 oz.

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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**5 Point Banks & Floor**  
**P402083-01 (Solid)**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes	
		Limit	Units							
<b>Volatile Organics by EPA 8021</b>										
Benzene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
Toluene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
Ethylbenzene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
p,m-Xylene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
o-Xylene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
Total Xylenes	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
Total BTEX	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B		
<i>Surrogate: 1,3-Dichlorobenzene</i>		97.0 %		80-120	1409012	02/26/14	03/05/14	EPA 8021B		
<i>Surrogate: Bromochlorobenzene</i>		103 %		80-120	1409012	02/26/14	03/05/14	EPA 8021B		
<b>Nonhalogenated Organics by 8015</b>										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1409013	02/26/14	02/27/14	EPA 8015D		
<b>Total Petroleum Hydrocarbons by 418.1</b>										
Total Petroleum Hydrocarbons	39.9	19.9	mg/kg	1	1410010	03/04/14	03/04/14	EPA 418.1		
<b>Cation/Anion Analysis</b>										
Chloride	37.5	9.96	mg/kg	1	1410009	03/04/14	03/04/14	EPA 300.0		

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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**4 Point Floor  
P402083-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8021B	
<i>Surrogate: 1,3-Dichlorobenzene</i>		<i>94.9 %</i>			<i>1409012</i>	<i>02/26/14</i>	<i>03/05/14</i>	<i>EPA 8021B</i>	
<i>Surrogate: Bromochlorobenzene</i>		<i>107 %</i>			<i>1409012</i>	<i>02/26/14</i>	<i>03/05/14</i>	<i>EPA 8021B</i>	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1409012	02/26/14	03/05/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1409013	02/26/14	02/27/14	EPA 8015D	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	27.9	20.0	mg/kg	1	1410010	03/04/14	03/04/14	EPA 418.1	
<b>Cation/Anion Analysis</b>									
Chloride	27.8	9.83	mg/kg	1	1410009	03/04/14	03/04/14	EPA 300.0	

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**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
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**Batch 1409012 - Purge and Trap EPA 5030A**

<b>Blank (1409012-BLK1)</b>		Prepared: 26-Feb-14 Analyzed: 27-Feb-14								
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		99.9	80-120			
Surrogate: Bromochlorobenzene	51.7		"	50.0		103	80-120			

<b>Duplicate (1409012-DUP1)</b>		Source: P402091-01		Prepared: 26-Feb-14 Analyzed: 27-Feb-14						
Benzene	ND	0.05	mg/kg		ND					30
Toluene	ND	0.05	"		ND					30
Ethylbenzene	ND	0.05	"		ND					30
p,m-Xylene	ND	0.05	"		ND					30
o-Xylene	ND	0.05	"		ND					30
Surrogate: 1,3-Dichlorobenzene	52.8		ug/L	50.0		106	80-120			
Surrogate: Bromochlorobenzene	56.8		"	50.0		114	80-120			

<b>Matrix Spike (1409012-MS1)</b>		Source: P402091-01		Prepared: 26-Feb-14 Analyzed: 27-Feb-14						
Benzene	49.0		ug/L	50.0	ND	97.9	39-150			
Toluene	48.7		"	50.0	ND	97.5	46-148			
Ethylbenzene	49.0		"	50.0	ND	98.0	32-160			
p,m-Xylene	98.5		"	100	ND	98.5	46-148			
o-Xylene	49.7		"	50.0	ND	99.4	46-148			
Surrogate: 1,3-Dichlorobenzene	50.0		"	50.0		100	80-120			
Surrogate: Bromochlorobenzene	53.9		"	50.0		108	80-120			

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Enverest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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**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 1409012 - Purge and Trap EPA 5030A</b>										
<b>Blank (1409012-BLK1)</b>					Prepared: 26-Feb-14 Analyzed: 27-Feb-14					
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg							
<b>Duplicate (1409012-DUP1)</b>					Source: P402091-01 Prepared: 26-Feb-14 Analyzed: 27-Feb-14					
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
<b>Matrix Spike (1409012-MS1)</b>					Source: P402091-01 Prepared: 26-Feb-14 Analyzed: 27-Feb-14					
Gasoline Range Organics (C6-C10)	0.45		mg/L	0.450	ND	99.1	75-125			

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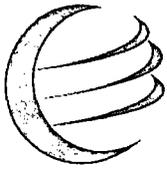
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Enverest Operating 2700 Farmington Ave. Farmington NM, 87401.	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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## Nonhalogenated Organics 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 1409013 - DRO Extraction EPA 3550C</b>										
<b>Blank (1409013-BLK1)</b>				Prepared & Analyzed: 26-Feb-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
<b>Duplicate (1409013-DUP1)</b>				Source: P402091-01 Prepared & Analyzed: 26-Feb-14						
Diesel Range Organics (C10-C28)	75.1	30.0	mg/kg		97.9			26.4	30	
<b>Matrix Spike (1409013-MS1)</b>				Source: P402091-01 Prepared & Analyzed: 26-Feb-14						
Diesel Range Organics (C10-C28)	178	31.6	mg/kg	263	97.9	30.3	75-125			SPK1

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**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 1410010 - 418 Freon Extraction</b>										
<b>Blank (1410010-BLK1)</b>					Prepared & Analyzed: 04-Mar-14					
Total Petroleum Hydrocarbons	ND	20.0	mg/kg							
<b>Duplicate (1410010-DUP1)</b>					Source: P402063-01 Prepared & Analyzed: 04-Mar-14					
Total Petroleum Hydrocarbons	240	20.0	mg/kg		248			3.29	30	
<b>Matrix Spike (1410010-MS1)</b>					Source: P402063-01 Prepared & Analyzed: 04-Mar-14					
Total Petroleum Hydrocarbons	2170	20.0	mg/kg	2000	248	96.4	80-120			

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Enverest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	<b>Reported:</b> 05-Mar-14 15:25
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**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 1410009 - Anion Extraction EPA 300.0</b>										
<b>Blank (1410009-BLK1)</b>				Prepared & Analyzed: 04-Mar-14						
Chloride	ND	9.87	mg/kg							
<b>LCS (1410009-BS1)</b>				Prepared & Analyzed: 04-Mar-14						
Chloride	473	9.91	mg/kg	496		95.4	90-110			
<b>Matrix Spike (1410009-MS1)</b>				Source: P402063-01		Prepared & Analyzed: 04-Mar-14				
Chloride	633	9.95	mg/kg	498	184	90.3	80-120			
<b>Matrix Spike Dup (1410009-MSD1)</b>				Source: P402063-01		Prepared & Analyzed: 04-Mar-14				
Chloride	655	9.90	mg/kg	495	184	95.0	80-120	3.33	20	

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Enverest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jic 102 #30 Project Number: 05123-0002 Project Manager: W Gardner	Reported: 05-Mar-14 15:25
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**Notes and Definitions**

- SPK1 The spike recovery for this QC sample is outside of 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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# CHAIN OF CUSTODY RECORD

15795

Client: <i>ENERVEST OPERATING, LLC</i>	Project Name / Location: <i>JIC 102 #30</i>	ANALYSIS / PARAMETERS													
Email results to: <i>wgardner@enervest.net</i>	Sampler Name: <i>COPY MUNKRES</i>	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.: <i>505-325-0318</i>	Client No.:														

Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			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	
					HNO <sub>3</sub>	HCl																
<i>5 POINT BANKS &amp; FLOOR</i>	<i>2/25/14</i>	<i>12:25 PM</i>	<i>P402083-01</i>					<i>X</i>	<i>X</i>							<i>X</i>	<i>X</i>			<i>✓</i>	<i>✓</i>	
<i>A POINT FLOOR</i>	<i>2/25/14</i>	<i>12:35 PM</i>	<i>P402083-02</i>					<i>X</i>	<i>X</i>							<i>X</i>	<i>X</i>			<i>✓</i>	<i>✓</i>	

Relinquished by: (Signature) <i>Cody Munkres</i>	Date <i>2/25/14</i>	Time <i>2:25 PM</i>	Received by: (Signature) <i>[Signature]</i>	Date <i>2/25/14</i>	Time <i>2:25 PM</i>
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"/>					

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

 9.7 7.4