

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 Lee Gardner
Address 2700 Farmington Ave Building K, Suite #1	Telephone No. 505-325-0318
Facility Name Apache #111	Facility Type Oil & Gas Production
Surface Owner Jicarilla Tribe	Mineral Owner Jicarilla Tribe
API No. 30-039-21763	

LOCATION OF RELEASE

Unit Letter K	Section 13	Township 24N	Range 4W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude N. 36.31138 Longitude W -107.20527

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 -31.2 /kg (EPA 8015)
Total Petroleum Hydrocarbons - 56.0 mg/kg (EPA Method 418.1)
Chloride - 328 mg/kg (EPA Method 300.0)

NMOCD
MAR 12 2018
DISTRICT III

Describe Area Affected and Cleanup Action Taken.*

The spill was cleaned as per Hobson Sandoval's request. Fill dirt was trucked to the location from an area as per Hobson Sandoval's request. Final closure, clean up, and remediation was completed on November 14th, 2017.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Michael Dame	Approved by Envii	DENIED BY: Cory Smith DATE: 3/16/18 (505) 334-6178 Ext. 115 <i>sent Email *Incomplete To Operator</i>
Title: HSE Associate	Approval Date:	
E-mail Address: mdame@enervest.net	Conditions of Approval:	
Date: 3/12/2018 Phone: 505-325-0318	Attached <input type="checkbox"/>	

#NCS 1729341656

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Smith, Cory, EMNRD

From: Smith, Cory, EMNRD
Sent: Friday, March 16, 2018 2:10 PM
To: 'mdame@enervest.net'
Cc: Fields, Vanessa, EMNRD
Subject: RE: Apache #111 C-141 Approval

Michael,

I received a C-141 on March 12, 2018. The C-141 is signed and completed with laboratory data. However, the c-141 indicates this was from a BGT closure, there is nothing in the report that indicates how much soil was removed? Were the samples were collected from? Where did Enervest dispose of the contaminated soils? Etc.

Please review the report and resubmit for approval.

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

From: Smith, Cory, EMNRD
Sent: Wednesday, January 10, 2018 11:31 AM
To: 'mdame@enervest.net' <mdame@enervest.net>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: RE: Apache #111 C-141 Approval

Michel,

I never received a Final C-141 for the Apache #111. I have a letter dated October 26, 2017 that indicates work was done.

Plases send in the final C-141 hardcopy with all the laboratory samples etc.

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

From: Smith, Cory, EMNRD
Sent: Thursday, October 26, 2017 4:00 PM
To: 'mdame@enervest.net' <mdame@enervest.net>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: FW: Apache #111 C-141 Approval

Michel,

Please see the below email in regards to the Apache 111

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

From: Smith, Cory, EMNRD
Sent: Friday, October 20, 2017 2:40 PM
To: 'mdame@enervest.net' <mdame@enervest.net>
Cc: Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: Apache #111 C-141 Approval

Michael,

OCD has approved Enervest C-141 received on 9/11/17 with the following conditions of approval,

- Enervest will provide the OCD at least 24 hours' notice prior to sampling
- Enervest will sample the excavation for TPH (DRO+GRO+MRO), BTEX, and Benzene
- Enervest will start remediation activities by November 11, 2017

Could you please provide a current status update. If you have any questions please give me a call.

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



Analytical Report

Report Summary

Client: Enervest Operating
Chain Of Custody Number:
Samples Received: 10/26/2017 2:20:00PM
Job Number: 05123-0002
Work Order: P710084
Project Name/Location: Jicarilla Tribal Contract
129 #111

Report Reviewed By:

Date: 11/2/17

Walter Hinchman, Laboratory Director

Date: 11/2/17

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 Tribal Contract 129 #111 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 02-Nov-17 16:52
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Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Jicarilla Tribal Contract 129 #111	P710084-01A	Soil	10/25/17	10/26/17	Glass Jar, 4 oz.
	P710084-01B	Soil	10/25/17	10/26/17	Glass Jar, 4 oz.

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**Jicarilla Tribal Contract 129 #111
P710084-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %		50-150	1744006	10/30/17	10/31/17	EPA 8021B	
<u>Nonhalogenated Organics by 8015</u>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1744006	10/30/17	10/31/17	EPA 8015D	
Diesel Range Organics (C10-C28)	31.2	25.0	mg/kg	1	1744003	10/30/17	10/31/17	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1744003	10/30/17	10/31/17	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.5 %		50-150	1744006	10/30/17	10/31/17	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.3 %		50-200	1744003	10/30/17	10/31/17	EPA 8015D	
<u>Anions by 300.0</u>									
Chloride	328	20.0	mg/kg	1	1744012	11/01/17	11/01/17	EPA 300.0	
<u>Total Petroleum Hydrocarbons by 418.1</u>									
Total Petroleum Hydrocarbons	56.0	40.0	mg/kg	1	1744002	10/30/17	10/30/17	EPA 418.1	

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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 1744006 - Purge and Trap EPA 5030A

Blank (1744006-BLK1)

Prepared: 30-Oct-17 Analyzed: 31-Oct-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	"							

<i>Surrogate: 4-Bromochlorobenzene-PID</i>	7.85		"	8.00		98.1	50-150			
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LCS (1744006-BS1)

Prepared: 30-Oct-17 Analyzed: 31-Oct-17

Benzene	5.16	0.10	mg/kg	5.00		103	70-130			
Toluene	5.06	0.10	"	5.00		101	70-130			
Ethylbenzene	5.08	0.10	"	5.00		102	70-130			
p,m-Xylene	10.1	0.20	"	10.0		101	70-130			
o-Xylene	4.96	0.10	"	5.00		99.2	70-130			
Total Xylenes	15.1	0.10	"	15.0		101	70-130			

<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.06		"	8.00		101	50-150			
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Matrix Spike (1744006-MS1)

Source: P710084-01

Prepared: 30-Oct-17 Analyzed: 31-Oct-17

Benzene	4.95	0.10	mg/kg	5.00	ND	99.1	54.3-133			
Toluene	4.89	0.10	"	5.00	ND	97.8	61.4-130			
Ethylbenzene	4.90	0.10	"	5.00	ND	98.1	61.4-133			
p,m-Xylene	9.75	0.20	"	10.0	ND	97.6	63.3-131			
o-Xylene	4.80	0.10	"	5.00	ND	96.0	63.3-131			
Total Xylenes	14.6	0.10	"	15.0	ND	97.1	63.3-131			

<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.34		"	8.00		104	50-150			
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Matrix Spike Dup (1744006-MSD1)

Source: P710084-01

Prepared: 30-Oct-17 Analyzed: 31-Oct-17

Benzene	5.12	0.10	mg/kg	5.00	ND	103	54.3-133	3.41	20	
Toluene	5.02	0.10	"	5.00	ND	100	61.4-130	2.60	20	
Ethylbenzene	5.05	0.10	"	5.00	ND	101	61.4-133	2.98	20	
p,m-Xylene	10.1	0.20	"	10.0	ND	101	63.3-131	3.04	20	
o-Xylene	4.95	0.10	"	5.00	ND	99.0	63.3-131	3.10	20	
Total Xylenes	15.0	0.10	"	15.0	ND	100	63.3-131	3.06	20	

<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.11		"	8.00		101	50-150			
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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Jicarilla Tribal Contract 129 #111 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 02-Nov-17 16:52
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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
Batch 1744003 - DRO Extraction EPA 3570										
Blank (1744003-BLK1)				Prepared & Analyzed: 30-Oct-17						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	42.9		"	50.0		85.8	50-200			
LCS (1744003-BS1)				Prepared & Analyzed: 30-Oct-17						
Diesel Range Organics (C10-C28)	373	25.0	mg/kg	500		74.6	38-132			
Surrogate: n-Nonane	39.4		"	50.0		78.8	50-200			
Matrix Spike (1744003-MS1)				Source: P710079-01		Prepared & Analyzed: 30-Oct-17				
Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500	ND	84.2	38-132			
Surrogate: n-Nonane	42.3		"	50.0		84.6	50-200			
Matrix Spike Dup (1744003-MSD1)				Source: P710079-01		Prepared & Analyzed: 30-Oct-17				
Diesel Range Organics (C10-C28)	406	25.0	mg/kg	500	ND	81.3	38-132	3.60	20	
Surrogate: n-Nonane	40.2		"	50.0		80.5	50-200			

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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
Batch 1744006 - Purge and Trap EPA 5030A										
Blank (1744006-BLK1)										
					Prepared: 30-Oct-17 Analyzed: 31-Oct-17					
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		"	8.00		98.1	50-150			
LCS (1744006-BS2)										
					Prepared: 30-Oct-17 Analyzed: 31-Oct-17					
Gasoline Range Organics (C6-C10)	49.1	20.0	mg/kg	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		"	8.00		98.3	50-150			
Matrix Spike (1744006-MS2)										
					Source: P710084-01		Prepared: 30-Oct-17 Analyzed: 31-Oct-17			
Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		"	8.00		99.9	50-150			
Matrix Spike Dup (1744006-MSD2)										
					Source: P710084-01		Prepared: 30-Oct-17 Analyzed: 31-Oct-17			
Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0	ND	101	70-130	0.299	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		"	8.00		101	50-150			

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Anions by 300.0 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1744012 - Anion Extraction EPA 300.0/9056A										
Blank (1744012-BLK1) Prepared & Analyzed: 01-Nov-17										
Chloride	ND	20.0	mg/kg							
LCS (1744012-BS1) Prepared & Analyzed: 01-Nov-17										
Chloride	254	20.0	mg/kg	250		102	90-110			
Matrix Spike (1744012-MS1) Source: P710084-01 Prepared & Analyzed: 01-Nov-17										
Chloride	595	20.0	mg/kg	250	328	107	80-120			
Matrix Spike Dup (1744012-MSD1) Source: P710084-01 Prepared & Analyzed: 01-Nov-17										
Chloride	581	20.0	mg/kg	250	328	101	80-120	2.37	20	

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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
Batch 1744002 - 418 Freon Extraction										
Blank (1744002-BLK1)										
Prepared & Analyzed: 30-Oct-17										
Total Petroleum Hydrocarbons	ND	40.0	mg/kg							
LCS (1744002-BS1)										
Prepared & Analyzed: 30-Oct-17										
Total Petroleum Hydrocarbons	896	40.0	mg/kg	1000		89.6	80-120			
Matrix Spike (1744002-MS1)										
Source: P710074-01 Prepared & Analyzed: 30-Oct-17										
Total Petroleum Hydrocarbons	934	40.0	mg/kg	1000	ND	93.4	70-130			
Matrix Spike Dup (1744002-MSD1)										
Source: P710074-01 Prepared & Analyzed: 30-Oct-17										
Total Petroleum Hydrocarbons	988	40.0	mg/kg	1000	ND	98.8	70-130	5.62	30	

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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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