

District I
1625 N. French 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

30-039-23886

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Enervest Operating LLC	Contact: Lee Gardner	
Address: 2700 Farmington Ave Bldg K Suite 1 Farmington NM 87401	Telephone No.: 505-325-0318	
Facility Name: Apache 127-154	Facility Type: Gas production well	
Surface Owner: Jicarilla Apache Nation	Mineral Owner: Jicarilla Apache Nation	Lease No. Jicarilla 127

LOCATION OF RELEASE

Unit Letter O	Section 3	Township 24N	Range 4W	Feet from the 990	North/South Line South	Feet from the 2310	East/West Line East	County Rio Arriba
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Latitude N 36.20.08 Longitude W 107.14.63

NATURE OF RELEASE

Type of Release Oil Release	Volume of Release 265 BBL	Volume Recovered 150 BBL
Source of Release Frozen oil valve on 400 bbl storage tank	Date and Hour of Occurrence 1-2-2013, Hr Unknown	Date and Hour of Discovery 16:00 HR 1-2-2013
Was Immediate Notice Given? Required X <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not	If YES, To Whom? Brandon Powell,	
By Whom? Lee Gardner - Sr. HSE Specialist	Date and Hour 11:00 HR 1-3-2013	
Was a Watercourse Reached? <input type="checkbox"/> Yes X <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* Not Applicable		

RCVD JUL 11 '13
OIL CONS. DIV.
DIST. 3

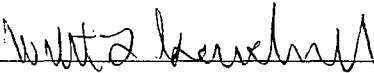
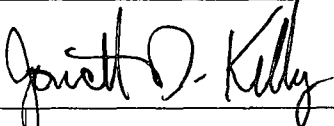
Describe Cause of Problem and Remedial Action Taken.* Valve on oil storage tank froze and broke

Describe Area Affected and Cleanup Action Taken.*

Approximately 265 BBL of oil were released into the spill containment area. The liquid flowed through animal borrows and breached the containment wall. Due to the subfreezing temperatures, the oil traveled approximately 20 yards off site before gelling. The gelled oil outside of the containment wall was collected for disposal. Approximately 150 BBL of gelled oil was collected from inside of the containment wall by heated with hot water. The extent of the oil penetration into the soil inside the containment wall is not known. Enervest Operating has requested permission from the Jicarilla Tribe to suspend further clean up activates until warmer weather.

UPDATE 7-8-2013: Approximately 1100 cubic yards of contaminated soil was excavated and hauled to T-N-T land farm for disposal. Clean back fill was obtained from a nearby dry pond. The two 400 BBL storage tanks were removed from service and inspected. The oil tank was replaced with a new tank. The water tank was returned to service. Attached is a copy of the five point composite soil sample that was utilized to verify clean up.

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: Wilbert L Gardner		Approved by District Supervisor: 	
Title: Sr. HSE Specialist		Approval Date: 7/11/2013 Expiration Date:	
E-mail Address: wgardner@enervest.net		Conditions of Approval:	
Date 7-8-2013 Phone: 505-325-0318 ext 13		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

n5K1319255434



Analytical Report

Report Summary

Client: Enervest Operating
Chain Of Custody Number: 14573
Samples Received: 4/17/2013 4:57:00PM
Job Number: 05123-0002
Work Order: P304055
Project Name/Location: Apache 154

Entire Report Reviewed By:

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

Date: 4/23/13

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.



Enervest Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Apache 154 PIT	P304055-01A	Soil	04/17/13	04/17/13	Glass Jar, 4 oz.

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Enervest Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

Apache 154 PIT
P304055-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Toluene	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Ethylbenzene	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
p,m-Xylene	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
o-Xylene	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Total BTEX	ND	50.0	ug/L	1	1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %	80-120		1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	80-120		1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Surrogate: Fluorobenzene		106 %	80-120		1316031	19-Apr-13	22-Apr-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1316023	18-Apr-13	19-Apr-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.00	mg/kg	1	1316023	18-Apr-13	19-Apr-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg	1	1316023	18-Apr-13	19-Apr-13	EPA 8015D	
Cation/Anion Analysis									
Chloride	10.3	9.99	mg/kg	1	1316030	19-Apr-13	19-Apr-13	EPA 300.0	

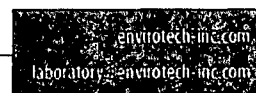
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Enervest Operating
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Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

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 1316031 - Purge and Trap EPA 5030A

Blank (1316031-BLK1)

Prepared: 19-Apr-13 Analyzed: 22-Apr-13

Benzene	ND	50.0	ug/L							
Toluene	ND	50.0	"							
Ethylbenzene	ND	50.0	"							
p,m-Xylene	ND	50.0	"							
o-Xylene	ND	50.0	"							
Total BTEX	ND	50.0	"							
Surrogate: Bromochlorobenzene	45.2		"	50.0		90.4	80-120			
Surrogate: 1,4-Difluorobenzene	50.7		"	50.0		101	80-120			
Surrogate: Fluorobenzene	49.9		"	50.0		99.8	80-120			

Duplicate (1316031-DUP1)

Source: P304055-01

Prepared: 19-Apr-13 Analyzed: 22-Apr-13

Benzene	ND	50.0	ug/L		ND				30	
Toluene	ND	50.0	"		ND				30	
Ethylbenzene	ND	50.0	"		ND				30	
p,m-Xylene	ND	50.0	"		ND				30	
o-Xylene	ND	50.0	"		ND				30	
Surrogate: Bromochlorobenzene	53.3		"	50.0		107	80-120			
Surrogate: 1,4-Difluorobenzene	54.8		"	50.0		110	80-120			
Surrogate: Fluorobenzene	54.1		"	50.0		108	80-120			

Matrix Spike (1316031-MS1)

Source: P304055-01

Prepared: 19-Apr-13 Analyzed: 22-Apr-13

Benzene	971	20.0	ug/L	1000	ND	97.1	39-150			
Toluene	974	20.0	"	1000	ND	97.4	46-148			
Ethylbenzene	968	20.0	"	1000	ND	96.8	32-160			
p,m-Xylene	1930	20.0	"	2000	ND	96.5	46-148			
o-Xylene	964	20.0	"	1000	ND	96.4	46-148			
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			
Surrogate: 1,4-Difluorobenzene	52.2		"	50.0		104	80-120			
Surrogate: Fluorobenzene	51.8		"	50.0		104	80-120			

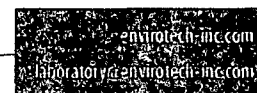
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Enervest Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

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
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Batch 1316023 - GRO/DRO Extraction EPA 3550C

Blank (1316023-BLK1)

Prepared: 18-Apr-13 Analyzed: 19-Apr-13

Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg
Diesel Range Organics (C10-C28)	ND	5.00	"
GRO and DRO Combined Fractions	ND	5.00	"

Duplicate (1316023-DUP1)

Source: P304055-01

Prepared: 18-Apr-13 Analyzed: 19-Apr-13

Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	ND	30
Diesel Range Organics (C10-C28)	ND	4.98	"	ND	30

Matrix Spike (1316023-MS1)

Source: P304055-01

Prepared: 18-Apr-13 Analyzed: 19-Apr-13

Gasoline Range Organics (C6-C10)	262	5.26	mg/kg	263	ND	99.4	75-125
Diesel Range Organics (C10-C28)	256	5.26	"	263	ND	97.3	75-125

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Enervest Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

Cation/Anion Analysis - 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 1316030 - Anion Extraction EPA 300.0

Blank (1316030-BLK1)

Prepared & Analyzed: 19-Apr-13

Chloride	ND	10.0	mg/kg
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Duplicate (1316030-DUP1)

Source: P304055-01

Prepared & Analyzed: 19-Apr-13

Chloride	ND	9.99	mg/kg	10.3	30
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Farmington NM, 87401

Project Name: Apache 154
Project Number: 05123-0002
Project Manager: W Gardner

Reported:
23-Apr-13 10:14

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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CHAIN OF CUSTODY RECORD

14573

Page 8 of 8

Client: ENERVEST			Project Name / Location: APACHE 154			ANALYSIS / PARAMETERS													
Email results to: W.GARDNER@ENERVEST			Sampler Name: L. GARDNER			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.: 505-320-7924			Client No.: 05123-0002																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl ₂	HCl													
APACHE 154 PIT	4/17/13	1515	P304055-01	1/4 oz				X	X									X	
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
				4/17	16:57					4/17/13	16:57								
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.



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