

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APR 20 2018

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well  
☐ Oil Well ☐ ☒ Gas Well ☐ Other

2. Name of Operator  
Enervest Operating LLC

3a. Address  
2700 Farmington Ave, Bldg K, Suite 1

3b. Phone No. (include area code)  
505-325-0318

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

UL-I, Sec 25 T31N, R13W  
36.8675060 -108.1506068

5. Lease Serial No.

SF- 078464

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Cain #001E

9. API Well No.

30-045-24321

10. Field and Pool, or Exploratory Area

11. County or Parish, State

San Juan County, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                           |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                           |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other Below Grade Pit Closure |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Enervest Operating LLC removed a 90 BBL below grade pit due to the structural integrity of the boards and side walls that contained the tank. The tank was removed on or about February 1, 2018.

A soil sample was taken and analyzed by Envirotech Laboratory, which passed closure standards, see attached lab report.

The excavation was back filled on February 14th, 2018. The

NMOC

APR 30 2018

DISTRICT III

Entered into AFMS

APR 27 2018

By: A. Wellington

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Michael Dame

Title HSE Specialist

Signature

Michael Dame

Date

4/20/18

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Supervisor

Title

Supervisor

Date

4/26/18

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOC



## Analytical Report

### Report Summary

Client: Enervest Operating  
Chain Of Custody Number:  
Samples Received: 2/5/2018 10:44:00AM  
Job Number: 05123-0002  
Work Order: P802010  
Project Name/Location: Cain #1E

Report Reviewed By:

Date: 2/13/18

Walter Hinchman, Laboratory Director

Date: 2/13/18

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: Cain #1E  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
13-Feb-18 16:31

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cain #1E	P802010-01A	Soil	02/05/18	02/05/18	Glass Jar, 4 oz.
	P802010-01B	Soil	02/05/18	02/05/18	Glass Jar, 4 oz.

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #1E Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 13-Feb-18 16:31
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**Cain #1E  
P802010-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1806002	02/05/18	02/08/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %		50-150	1806002	02/05/18	02/08/18	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1806002	02/05/18	02/08/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1805024	02/05/18	02/06/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1805024	02/05/18	02/06/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %		50-150	1806002	02/05/18	02/08/18	EPA 8015D	
Surrogate: n-Nonane		97.4 %		50-200	1805024	02/05/18	02/06/18	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	115	20.0	mg/kg	1	1807003	02/12/18	02/12/18	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1806011	02/08/18	02/09/18	EPA 418.1	

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #1E Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 13-Feb-18 16:31
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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 1806002 - Purge and Trap EPA 5030A

##### Blank (1806002-BLK1)

Prepared: 05-Feb-18 Analyzed: 08-Feb-18

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	7720		"	8000		96.5	50-150			

##### LCS (1806002-BS1)

Prepared: 05-Feb-18 Analyzed: 08-Feb-18

Benzene	4980	100	ug/kg	5000		99.7	70-130			
Toluene	4900	100	"	5000		98.0	70-130			
Ethylbenzene	4910	100	"	5000		98.3	70-130			
p,m-Xylene	9820	200	"	10000		98.2	70-130			
o-Xylene	4830	100	"	5000		96.6	70-130			
Total Xylenes	14600	100	"	15000		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7850		"	8000		98.1	50-150			

##### Matrix Spike (1806002-MS1)

Source: P802007-01

Prepared: 05-Feb-18 Analyzed: 08-Feb-18

Benzene	4960	100	ug/kg	5000	ND	99.2	54.3-133			
Toluene	4880	100	"	5000	ND	97.7	61.4-130			
Ethylbenzene	4890	100	"	5000	ND	97.9	61.4-133			
p,m-Xylene	9770	200	"	10000	ND	97.7	63.3-131			
o-Xylene	4800	100	"	5000	ND	96.0	63.3-131			
Total Xylenes	14600	100	"	15000	ND	97.2	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7790		"	8000		97.3	50-150			

##### Matrix Spike Dup (1806002-MSD1)

Source: P802007-01

Prepared: 05-Feb-18 Analyzed: 08-Feb-18

Benzene	4950	100	ug/kg	5000	ND	99.1	54.3-133	0.177	20	
Toluene	4860	100	"	5000	ND	97.3	61.4-130	0.354	20	
Ethylbenzene	4880	100	"	5000	ND	97.7	61.4-133	0.168	20	
p,m-Xylene	9750	200	"	10000	ND	97.5	63.3-131	0.195	20	
o-Xylene	4790	100	"	5000	ND	95.9	63.3-131	0.0834	20	
Total Xylenes	14500	100	"	15000	ND	97.0	63.3-131	0.158	20	
Surrogate: 4-Bromochlorobenzene-PID	7800		"	8000		97.5	50-150			

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #1E Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 13-Feb-18 16:31
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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 1805024 - DRO Extraction EPA 3570</b>										
<b>Blank (1805024-BLK1)</b>				Prepared & Analyzed: 05-Feb-18						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	58.5		"	50.0		117	50-200			
<b>LCS (1805024-BS1)</b>				Prepared & Analyzed: 05-Feb-18						
Diesel Range Organics (C10-C28)	491	25.0	mg/kg	500		98.2	38-132			
Surrogate: n-Nonane	40.7		"	50.0		81.4	50-200			
<b>Matrix Spike (1805024-MS1)</b>				Source: P801048-01	Prepared & Analyzed: 05-Feb-18					
Diesel Range Organics (C10-C28)	4780	250	mg/kg	500	4300	95.7	38-132			
Surrogate: n-Nonane	78.9		"	50.0		158	50-200			
<b>Matrix Spike Dup (1805024-MSD1)</b>				Source: P801048-01	Prepared & Analyzed: 05-Feb-18					
Diesel Range Organics (C10-C28)	5210	250	mg/kg	500	4300	181	38-132	8.51	20	SPK2
Surrogate: n-Nonane	74.6		"	50.0		149	50-200			

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2700 Farmington Ave.  
Farmington NM, 87401

Project Name: Cain #1E  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
13-Feb-18 16:31

### 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 1806002 - Purge and Trap EPA 5030A</b>										
<b>Blank (1806002-BLK1)</b>				Prepared: 05-Feb-18 Analyzed: 08-Feb-18						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		"	8.00		96.9	50-150			
<b>LCS (1806002-BS2)</b>				Prepared: 05-Feb-18 Analyzed: 08-Feb-18						
Gasoline Range Organics (C6-C10)	46.7	20.0	mg/kg	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		"	8.00		99.9	50-150			
<b>Matrix Spike (1806002-MS2)</b>				Source: P802007-01 Prepared: 05-Feb-18 Analyzed: 08-Feb-18						
Gasoline Range Organics (C6-C10)	46.9	20.0	mg/kg	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		"	8.00		101	50-150			
<b>Matrix Spike Dup (1806002-MSD2)</b>				Source: P802007-01 Prepared: 05-Feb-18 Analyzed: 08-Feb-18						
Gasoline Range Organics (C6-C10)	47.6	20.0	mg/kg	50.0	ND	95.3	70-130	1.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		"	8.00		103	50-150			

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #1E Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 13-Feb-18 16:31
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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
<b>Batch 1807003 - Anion Extraction EPA 300.0/9056A</b>										
<b>Blank (1807003-BLK1)</b>					Prepared & Analyzed: 12-Feb-18					
Chloride	ND	20.0	mg/kg							
<b>LCS (1807003-BS1)</b>					Prepared & Analyzed: 12-Feb-18					
Chloride	246	20.0	mg/kg	250		98.6	90-110			
<b>Matrix Spike (1807003-MS1)</b>					Source: P802010-01 Prepared & Analyzed: 12-Feb-18					
Chloride	400	20.0	mg/kg	250	115	114	80-120			
<b>Matrix Spike Dup (1807003-MSD1)</b>					Source: P802010-01 Prepared & Analyzed: 12-Feb-18					
Chloride	379	20.0	mg/kg	250	115	106	80-120	5.30	20	

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Enervest Operating	Project Name:	Cain #1E	Reported:
2700 Farmington Ave.	Project Number:	05123-0002	13-Feb-18 16:31
Farmington NM, 87401	Project Manager:	Mike Dame	

**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 1806011 - 418 Freon Extraction</b>										
<b>Blank (1806011-BLK1)</b>					Prepared: 08-Feb-18 Analyzed: 09-Feb-18					
Total Petroleum Hydrocarbons	ND	40.0	mg/kg							
<b>LCS (1806011-BS1)</b>					Prepared: 08-Feb-18 Analyzed: 09-Feb-18					
Total Petroleum Hydrocarbons	930	40.0	mg/kg	1000		93.0	80-120			
<b>Matrix Spike (1806011-MS1)</b>					Source: P802010-01 Prepared: 08-Feb-18 Analyzed: 09-Feb-18					
Total Petroleum Hydrocarbons	974	40.0	mg/kg	1000	ND	97.4	70-130			
<b>Matrix Spike Dup (1806011-MSD1)</b>					Source: P802010-01 Prepared: 08-Feb-18 Analyzed: 09-Feb-18					
Total Petroleum Hydrocarbons	960	40.0	mg/kg	1000	ND	96.0	70-130	1.45	30	

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Enervest Operating  
2700 Farmington Ave.  
Farmington NM, 87401

Project Name: Cain #1E  
Project Number: 05123-0002  
Project Manager: Mike Dame

Reported:  
13-Feb-18 16:31

#### Notes and Definitions

SPK2 The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to native analyte concentration at 4 times or greater than the spike concentration.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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## Project Information

## Chain of Custody

Page \_\_\_\_ of \_\_\_\_

Client: <u>ENERVEST Operating</u>		Report Attention		Lab Use Only		TAT		EPA Program								
Project: <u>Cam #1E</u>		Report due by:		Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA				
Project Manager: <u>Michael Dame</u>		Attention:		P802010-01		05123-0002										
Address: <u>2700 Farmington Ave. Building Suite 1</u>		Address:		Analysis and Method								State				
City, State, Zip: <u>Farmington, NM 87401</u>		City, State, Zip		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chlorides 300.0	TPH 418.1			NM	CO	UT	AZ
Phone: <u>505-215-7879</u>		Phone:											<input checked="" type="checkbox"/>			
Email: <u>mdame@enervest.net</u>		Email:														

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chlorides 300.0	TPH 418.1					Remarks
10:00am	1/5/18	Soil	1402	Cam #1E		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					5 day rush

## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Michael Dame

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Michael Dame</u>	1-5-18	10:44	<u>[Signature]</u>	2/5/18	10:44	Received on ice: <u>Y / 0</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>22</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.