

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.

5. Lease Serial No.
NMSF078464

6. If Indian, Allottee or Tribe Name

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, Building K, Suite #001

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface Location: H-25-31N-13W 1520 FNL 790 FEL
Lat/Long: 36.8737411,-108.1494522 NAD83

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

8. Well Name and No.
Cain #002 312921

9. API Well No.
30-045-25574

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	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Below Grade
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Pit Closure
	<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 recomple 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 recomple 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 sidewalls that contained the tank.
The tank was removed on or about March 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 and location contoured to operating conditions on March 9, 2018

NMOC

APR 30 2018

DISTRICT III

Entered into AFMS

APR 27 2018

By: A. Washington

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

Michael Dame

Title HSE Specialist

Signature

Date

4-10-18

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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: 3/1/2018 10:05:00AM
Job Number: 05123-0002
Work Order: P803002
Project Name/Location: Cain #002

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', with a small 'ST' monogram to the right.

Date: 3/6/18

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain', with a small 'in' monogram to the right.

Date: 3/6/18

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 #002
Project Number: 05123-0002
Project Manager: Mike Dame

Reported:
06-Mar-18 17:59

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Cain #002	P803002-01A	Soil	03/01/18	03/01/18	Glass Jar, 4 oz.
	P803002-01B	Soil	03/01/18	03/01/18	Glass Jar, 4 oz.

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #002 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Mar-18 17:59
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Cain #002
P803002-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1809019	03/01/18	03/03/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %		50-150	1809019	03/01/18	03/03/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1809019	03/01/18	03/03/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1809022	03/01/18	03/05/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1809022	03/01/18	03/05/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %		50-150	1809019	03/01/18	03/03/18	EPA 8015D	
Surrogate: n-Nonane		71.3 %		50-200	1809022	03/01/18	03/05/18	EPA 8015D	CV3
Anions by 300.0									
Chloride	ND	20.0	mg/kg	1	1809020	03/01/18	03/01/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1809018	03/01/18	03/01/18	EPA 418.1	

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Enervest Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Coin #002
Project Number: 05123-0002
Project Manager: Mike Dame

Reported:
06-Mar-18 17:59

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 1809019 - Purge and Trap EPA 5030A

Blank (1809019-BLK1)

Prepared: 01-Mar-18 Analyzed: 02-Mar-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 7800 " 8000 97.5 50-150

LCS (1809019-BS1)

Prepared: 01-Mar-18 Analyzed: 02-Mar-18

Benzene	4880	100	ug/kg	5000		97.6	70-130			
Toluene	4830	100	"	5000		96.7	70-130			
Ethylbenzene	4880	100	"	5000		97.6	70-130			
p,m-Xylene	9750	200	"	10000		97.6	70-130			
o-Xylene	4800	100	"	5000		96.0	70-130			
Total Xylenes	14600	100	"	15000		97.1	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7890 " 8000 98.6 50-150

Matrix Spike (1809019-MS1)

Source: P803001-01

Prepared: 01-Mar-18 Analyzed: 02-Mar-18

Benzene	4740	100	ug/kg	5000	ND	94.8	54.3-133			
Toluene	4700	100	"	5000	ND	94.1	61.4-130			
Ethylbenzene	4780	100	"	5000	ND	95.6	61.4-133			
p,m-Xylene	9510	200	"	10000	ND	95.1	63.3-131			
o-Xylene	4710	100	"	5000	ND	94.3	63.3-131			
Total Xylenes	14200	100	"	15000	ND	94.8	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 8350 " 8000 104 50-150

Matrix Spike Dup (1809019-MSD1)

Source: P803001-01

Prepared: 01-Mar-18 Analyzed: 02-Mar-18

Benzene	4800	100	ug/kg	5000	ND	96.1	54.3-133	1.34	20	
Toluene	4770	100	"	5000	ND	95.5	61.4-130	1.42	20	
Ethylbenzene	4840	100	"	5000	ND	96.9	61.4-133	1.26	20	
p,m-Xylene	9630	200	"	10000	ND	96.4	63.3-131	1.30	20	
o-Xylene	4770	100	"	5000	ND	95.4	63.3-131	1.21	20	
Total Xylenes	14400	100	"	15000	ND	96.1	63.3-131	1.27	20	

Surrogate: 4-Bromochlorobenzene-PID 8250 " 8000 103 50-150

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #002 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Mar-18 17:59
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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 1809019 - Purge and Trap EPA 5030A										
Blank (1809019-BLK1)					Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		"	8.00		93.0	50-150			
LCS (1809019-BS2)					Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Gasoline Range Organics (C6-C10)	48.3	20.0	mg/kg	50.0		96.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		"	8.00		93.8	50-150			
Matrix Spike (1809019-MS2)					Source: P803001-01 Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Gasoline Range Organics (C6-C10)	54.9	20.0	mg/kg	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		"	8.00		98.9	50-150			
Matrix Spike Dup (1809019-MSD2)					Source: P803001-01 Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Gasoline Range Organics (C6-C10)	54.8	20.0	mg/kg	50.0	ND	110	70-130	0.330	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		"	8.00		95.1	50-150			

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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 1809022 - DRO Extraction EPA 3570										
Blank (1809022-BLK1)				Prepared: 01-Mar-18 Analyzed: 05-Mar-18						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	40.7		"	50.0		81.3	50-200			
LCS (1809022-BS1)				Prepared: 01-Mar-18 Analyzed: 02-Mar-18						
Diesel Range Organics (C10-C28)	502	25.0	mg/kg	500		100	38-132			
Surrogate: n-Nonane	50.0		"	50.0		100	50-200			
Matrix Spike (1809022-MS1)				Source: P803002-01	Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Diesel Range Organics (C10-C28)	567	25.0	mg/kg	500	ND	113	38-132			
Surrogate: n-Nonane	57.0		"	50.0		114	50-200			
Matrix Spike Dup (1809022-MSD1)				Source: P803002-01	Prepared: 01-Mar-18 Analyzed: 02-Mar-18					
Diesel Range Organics (C10-C28)	664	25.0	mg/kg	500	ND	133	38-132	15.7	20	SPK1
Surrogate: n-Nonane	63.9		"	50.0		128	50-200			

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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 1809020 - Anion Extraction EPA 300.0/9056A										
Blank (1809020-BLK1)				Prepared & Analyzed: 01-Mar-18						
Chloride	ND	20.0	mg/kg							
LCS (1809020-BS1)				Prepared & Analyzed: 01-Mar-18						
Chloride	248	20.0	mg/kg	250		99.0	90-110			
Matrix Spike (1809020-MS1)				Source: P803002-01 Prepared & Analyzed: 01-Mar-18						
Chloride	255	20.0	mg/kg	250	ND	102	80-120			
Matrix Spike Dup (1809020-MSD1)				Source: P803002-01 Prepared & Analyzed: 01-Mar-18						
Chloride	255	20.0	mg/kg	250	ND	102	80-120	0.251	20	

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Enervest Operating 2700 Farmington Ave. Farmington NM, 87401	Project Name: Cain #002 Project Number: 05123-0002 Project Manager: Mike Dame	Reported: 06-Mar-18 17:59
--------------------------------------------------------------------	-------------------------------------------------------------------------------------	------------------------------

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 1809018 - 418 Freon Extraction										
Blank (1809018-BLK1)					Prepared & Analyzed: 01-Mar-18					
Total Petroleum Hydrocarbons	ND	40.0	mg/kg							
LCS (1809018-BS1)					Prepared & Analyzed: 01-Mar-18					
Total Petroleum Hydrocarbons	978	40.0	mg/kg	1000		97.8	80-120			
Matrix Spike (1809018-MS1)					Source: P803002-01 Prepared & Analyzed: 01-Mar-18					
Total Petroleum Hydrocarbons	996	40.0	mg/kg	1000	ND	99.6	70-130			
Matrix Spike Dup (1809018-MSD1)					Source: P803002-01 Prepared & Analyzed: 01-Mar-18					
Total Petroleum Hydrocarbons	1010	40.0	mg/kg	1000	ND	101	70-130	1.40	30	

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Envirotech Operating
2700 Farmington Ave.
Farmington NM, 87401

Project Name: Coin #002
Project Number: 05123-0002
Project Manager: Mike Dame

Reported:
06-Mar-18 17:59

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.
CV3 CV recovery was below quality control limits.
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 1 of 1

Client: <u>Encrest Operating</u>		Report Attention		Lab Use Only		TAT		EPA Program				
Project: <u>Lain #001</u>		Report due by:		Lab WO# <u>P 803002</u>		Job Number <u>05123-0002</u>		1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Mike Dame</u>		Attention:										
Address:		Address:								State		
City, State, Zip		City, State, Zip								NM CO UT AZ		
Phone:		Phone:										
Email: <u>mdame@encrest.net</u>		Email:										

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chlorides 300.0	TPH 418.1	Remarks
7:00am	3/1/18	Soil	2-402	Lain #001	1	✓	✓	✓			✓	✓	

Additional Instructions:

VIS Ice in cooler

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: Mike 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>[Signature]</u>	3/1/18	7:00am	<u>[Signature]</u>	3/1/18	1005am	Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
						AVG Temp °C <u>4</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.

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