

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

Final Report

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

*nmlr/1002850212* OPERATOR ☐ Initial Report ☒ Final Report

Name of Company - EnerVest Operating LLC <i>143199</i>	Contact - Elroy Ardoin
Address - 1001 Fannin Street, Suite 800, Houston, TX 77002	Telephone No. (713) 495 6534
Facility Name - West Loco Hills Unit Tract 1 Well #26	Facility Type - Pump Jack

Surface Owner - State of New Mexico	Mineral Owner	API No. 30-015-03233
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LOCATION OF RELEASE

Unit Letter n	Section 1	Township 18S	Range 29E	Feet from the South Line	Feet from the East/West Line	County Eddy
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Latitude *32.77184* Longitude *-104.02964*

NATURE OF RELEASE

Type of Release - Produced Water/Saltwater	Volume of Release - estimated 20bbls	Volume Recovered - 0bbls
Source of Release - Flow Line	Date and Hour of Occurrence ?	Date and Hour of Discovery 3/24/08
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.* EnerVest Operating currently operates this lease. The original c141 was voluntarily submitted by Texas ReExploration Operating. A flow line leak resulted in an approximate 20bbl saltwater spill. No action was taken by Texas ReExploration other than to repair the flow line where the leak originated. EnerVest Operating contracted Baseline Solutions to conduct an environmental remediation using the "dig and haul" method.		
Describe Area Affected and Cleanup Action Taken.* The effected area was 10yds X 50yds. There was little to no vegetation growing within the spill area. The highest level of chlorides sampled was 3320ppm and the highest level of TPH was 245ppm. The remediation method was "dig & haul" operations with lab analysis. Contaminated soil was excavated and delivered to Lea Land Disposal. Upon completing the excavation, soil samples were taken to test for Chlorides and TPH. Lab analysis determined the levels were in compliance with OCD requirements. A sampling investigation and excavation report was submitted to OCD for approval to backfill. The site was backfilled with soil from Lea Land Disposal. The site was re-seeded. Vegetation has returned to the spill area. A closing report was submitted to NMOCDA Artesia office. The remediation project is considered successfully completed.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCDA 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 NMOCDA 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, NMOCDA 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: <i>Elroy L. Ardoin</i>	OIL CONSERVATION DIVISION	
Printed Name: Elroy L. Ardoin	Approved by <i>Mike Bernier</i>	
Title: HSE Coordinator	Approval Date: <b>FEB 02 2010</b>	Expiration Date:
E-mail Address: <i>eardoin@enervest.net</i>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/20/2010 Phone: (713) 495 6534		

\* Attach Additional Sheets If Necessary

*nmlr/1003340232*

*2RP-382*

## Bratcher, Mike, EMNRD

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**From:** Andy Price [andyprice@grandecom.net]  
**Sent:** Wednesday, January 20, 2010 3:55 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** Elroy Ardoin; Watne, Douglas E.  
**Subject:** EnerVest Operating - West Loco Hills Unit Tract 26 #1 - saltwater spill remediation - submission for closure  
**Attachments:** WLHU 26-1 Sampling Inv.Rpt.-Enervest.pdf; Final C141 - WLHU Tract 26 #1.pdf; c-141 TREX original spill report.pdf; Closing Report Remediation - WLHU Tr.26 #1 - EnerVest.pdf

Mike,

I hope all is well with you. Please find attached:

- Final report for EnerVest Operating - West Loco Hills Unit Tract 1 #26 - saltwater spill remediation closure.
- Original c141 spill report submitted by Texas ReExploration
- Final c141 submitted by EnerVest Operating
- Sampling Investigation Report previously submitted to OCD

The re-vegetation on at this site was quick and well populated as can be seen in the photos. If any questions please call or email.

Thank you.

Andy Price  
REM  
432-352-6400  
Baseline Solutions, LLC  
511 W. Ohio St., Ste. 400  
Midland, TX, 79701

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# **CLOSING REPORT**

## **ENVIRONMENTAL REMEDIATION PROJECT**

### **EnerVest Operating, LLC**

**West Loco Hills Unit Tract 26 Well #1**

**Minor Saltwater Spill**  
**Site location: WLHU Tract 26 Well #1**  
**API # 30-015-03233**  
**Section 1, T18S – R29E**  
**Eddy County, NM**  
**Coordinates:**  
**Longitude -104.02964**  
**Latitude 32.77184**

**January 20th, 2010**

**A Report For:**  
**New Mexico Oil Conservation Division, Artesia**  
**&**  
**EnerVest Operating LLC**  
**Mr. Elroy Ardoin**

**Prepared by:**  
**Baseline Solutions LLC**  
**Andy Price, REM**  
**511 West Ohio, Suite 400**  
**Midland, Texas 79701**

## EXECUTIVE SUMMARY

Baseline Solutions conducted an Environmental "Dig and Haul" remediation project at the WLHU Tract 26 #1 for a minor saltwater spill. The spill occurrence is described as a flow line leak occurring at the tank battery. The spill location is described as follows.

- WLHU Tract 26 Well #1
- Section 1, T18S – R29E , Eddy County, NM
- Coordinates: Longitude -104.02964, Latitude 32.77184
- API # 30-015-03233

**SAMPLING INVESTIGATION:** A sampling investigation was conducted during excavation of the site and a report submitted to NMOCD Artesia Office on December 4<sup>th</sup>, 2008. A summary of the excavation, sampling investigation and hydrology data is as follows:

Lab results for Chlorides and TPH levels are listed below (please see app. G).

Sample field code	Chloride PPM		Sample field code	TPH PPM
1&2 - Surface	2900		1&2 - Surface	245
3&4 - Surface	3320		3&4 - Surface	206
1-2'	156		1-2'	<50.0
2-3'	<100		2-3'	<50.0
3-3'	415		3-3'	264
4-2'	200		4-2'	<50.0

**NMOCD acceptable level for Chlorides is 250ppm and less.**

**NMOCD acceptable level for Total Petroleum Hydrocarbons is 5000ppm and less.**

- **Contaminated Area Delineated:** Soil excavation with field and laboratory analysis determined the salt water spill area to have been an approximate average of 30ft X150ft.

**HYDROLOGY:** Hydrology data was compiled and submitted to NMOCD in the July 2<sup>nd</sup>, 2008 proposed remediation plan. No Surface hydrology issues were identified for surface run-off due to topographical gradient and rain fall average. Subsurface hydrology data indicates groundwater for this area to be at an approximate average depth of 141 ft. The OCD rating for the spill area is considered to be 0.

**REMEDATION – "Dig and Haul":** A total of 358. cubic yards was removed and delivered to Lea Land Disposal Facility on 11/12/08 and 11/13/08. Backfill soil was back hauled from Lea Land Disposal and staged on site. Soil samples were field tested during excavation. Upon chloride and TPH levels reaching estimated acceptable levels – soil samples were taken for lab analysis. Lab results were presented to OCD for approval to backfill. Approval was granted and the area was backfilled on 4/8/09 and 4/9/09.

**SITE RE-SEEDED WITH RETURN OF VEGETATION:**

The site was re-seeded with the recommended BLM seed mix #2 on 4/10/09. Vegetation has repopulated the effected area (please see enclosed photos). Photos were taken 8/7/09

**CONCLUSION:**

The environmental remediation for this site has been completed according to NMOCD guidelines (please see sampling investigation and excavation report).

A **Final c141** is being submitted with this closing report.



(Photo taken 8/7/09) Spill originated at tank battery flowline and ran down lease road and pooled up.



(Photo taken 8/7/09)

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**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company - Texas ReExploration Operating LC	Contact - Dean Brooks
Address - 3025 Maxroy, Houston, TX 77008	Telephone No. 713-622-2425
Facility Name - WLHU Tract 26 #1	Facility Type - Pump Jack
Surface Owner - Turkey Track Ranch	Mineral Owner - <u>      </u>
API No. 30-015-03233	

**LOCATION OF RELEASE**

Unit Letter N	Section 1	Township 18S	Range 29E	Feet from the South Line	Feet from the East/West Line	County Eddy
------------------	--------------	-----------------	--------------	-----------------------------	---------------------------------	----------------

Latitude        Longitude       

**NATURE OF RELEASE**

Type of Release - Oil	Volume of Release - estimated 20bbbls	Volume Recovered - 0bbbls
Source of Release - Flow Line	Date and Hour of Occurrence ?	Date and Hour of Discovery 3/24/08
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom:?	
By Whom? Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date and Hour - If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* The spill at this site is considered to be approximately 20bbbls. The cause of the leak was a flowline failure which was quickly repaired. No remedial action taken yet. The remediation plan is to remove contaminated soil and dispose of at nearest NMOCD approved disposal site. This plan will be implemented upon NMOCD approval. Please see attached photos.		
Describe Area Affected and Cleanup Action Taken.* The approximate area effected is 10yds X 50yds. The originated at spil, ran across the lease road area and along side the storage tanks. Any soil with elevated levels of Total Petroleum Hydrocarbons will be removed. The choice of abatement is to remove contaminated soil and dispose of at the nearest NMOCD approved disposal site in Eddy County		
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: <u>Dean Brooks</u>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Dean Brooks	Approved by District Supervisor:	
Title: Vice President of Engineering	Approval Date:	Expiration Date:
E-mail Address: dbrooks@tex-rex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/15/08	Phone: 713-622-2425	

\* Attach Additional Sheets If Necessary