

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 21145

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company: Energen Resources	Contact: Kellie J. Skelton
Address: 2198 Bloomfield Hwy.	Telephone No. 505-566-4682
Facility Name: Jicarilla Chacon D-#1	Facility Type: On shore well site

Surface Owner: Jicarilla Apache Tribe	Mineral Owner: Federal	Lease No.: Contract #413
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LOCATION OF RELEASE

Unit Letter O	Section 15	Township 23N	Range 3W	Feet from the 1020'	North/South Line South line	Feet from the 1720'	East/West Line East Line	County Rio Arriba
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Latitude 36.21738 Longitude 107.13967

NATURE OF RELEASE

Type of Release: Oil	Volume of Release 20bbls	Volume Recovered: 20 bbls + soil
Source of Release: Oil Production tank	Date and Hour of Occurrence: 0900 12-14-2004	Date and Hour of Discovery 1030 am 12-14-2004
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Reported to Denny Foust.	
By Whom?	Date and Hour : 12-15-2004 @ 0815 am	
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.*

NA

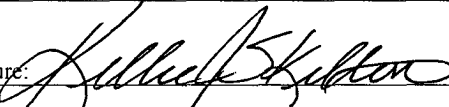
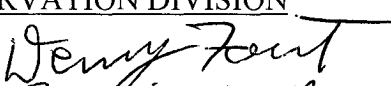
Describe Cause of Problem and Remedial Action Taken.*

Lease Operator was in process of draining H2O from Oil tank. Tank drain valve was frozen initially. He drove off, returned an hour and a half later to find he had drained the contents of the tank into berm area surrounding tank and pit. Envirotech was contacted to remediate spill.

Describe Area Affected and Cleanup Action Taken.*

Please see the attached report from Envirotech.

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: Kellie Skelton	Approved by District Supervisor:  For Charlie Perrin, Actg.	
Title: E&S Coordinator	Approval Date: 1/12/05	Expiration Date:
E-mail Address: kskelton@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: January 10, 2005 Phone: 505-566-4682		

* Attach Additional Sheets If Necessary

N DGF04350851834

2

INTRODUCTION

Envirotech, Inc. has completed the cleanup of hydrocarbon contaminated soil at Energen Resources Chacon Jicarilla D#1 well site. The following is a letter report documenting cleanup efforts at this location.

ACTIVITIES PERFORMED

On December 16, 2004, Envirotech Personnel attempted to mobilize to the site of the spill, but were halted by weather conditions.

On December 17, 2004, Envirotech's Bill Carter, Field Foreman, arrived on site at 8:00 AM to inspect the site and begin clean-up activities. The spill site consisted of two fenced and bermed areas. The tank within the larger, most western bermed area was the source of the spill, see **Figure 1, Site Map**. Site photographs documenting spill extents are included as **Appendix A, Site Photography**.

Excavation began at 9:00 AM. A section of fence was removed along the east and south side of the excavation to aid excavation efforts. Excavation continued to the visual/odor extent of contamination except under the tank, where soil was not removed. Fifty (50) cubic yards of contaminated soil were removed from the excavation. Final dimensions of the excavation were 20' x 20' x 11' deep. The contaminated soil extended downward to the bedrock.

Contaminated soil was transported to Envirotech's NMOCD Permitted Soil Remediation Facility, Landfarm #2, located near Hilltop, New Mexico. Transport and receipt of fifty (50) cubic yards of soil is documented in **Appendix B, Bills of Lading**.

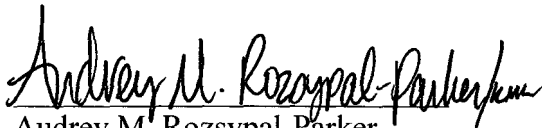
Four (4) soil samples were taken from the excavated area. Sample locations included the western, eastern, and southern walls of the excavation, as well as the bottom of the excavation. Samples were analyzed for Total Petroleum Hydrocarbons (TPH) via USEPA Method 8015 at Envirotech's Analytical Laboratories. Samples from the west wall and floor of the excavation were below detection limits. The TPH level in the East wall sample was 236 ppm. The sample from the southern wall of the excavation was 89.4 ppm. Sample locations are as shown on **Figure 1, Site Map**. Also see **Appendix C, Laboratory Analysis**.

Permission to backfill the excavation was given by Mr. Keith Manuel, Jicarilla Environmental Protection Office. The berm was rebuilt around the excavated area to match the existing berm and the fencing was reinstalled.

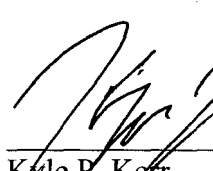
SUMMARY AND CONCLUSIONS

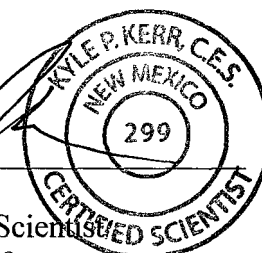
Envirotech has completed the initial cleanup of a crude oil spill at the Chacon Jicarilla #D1 well site and has restored surface site features to pre-spill conditions. Due to stability and tank integrity concerns, visibly stained soils under the aboveground storage tank could not be removed during remediation. Therefore, additional site inspection and/or sampling should be performed if the tank is moved or at the time the well is plugged and abandoned.

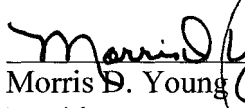
Respectfully Submitted,
ENVIROTECH, INC.

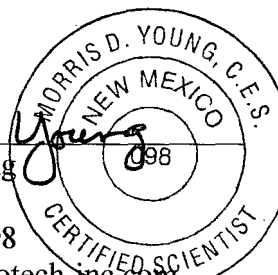

Audrey M. Rozsypal-Parker
Environmental Scientist/Geologist
arozsypal@envirotech-inc.com

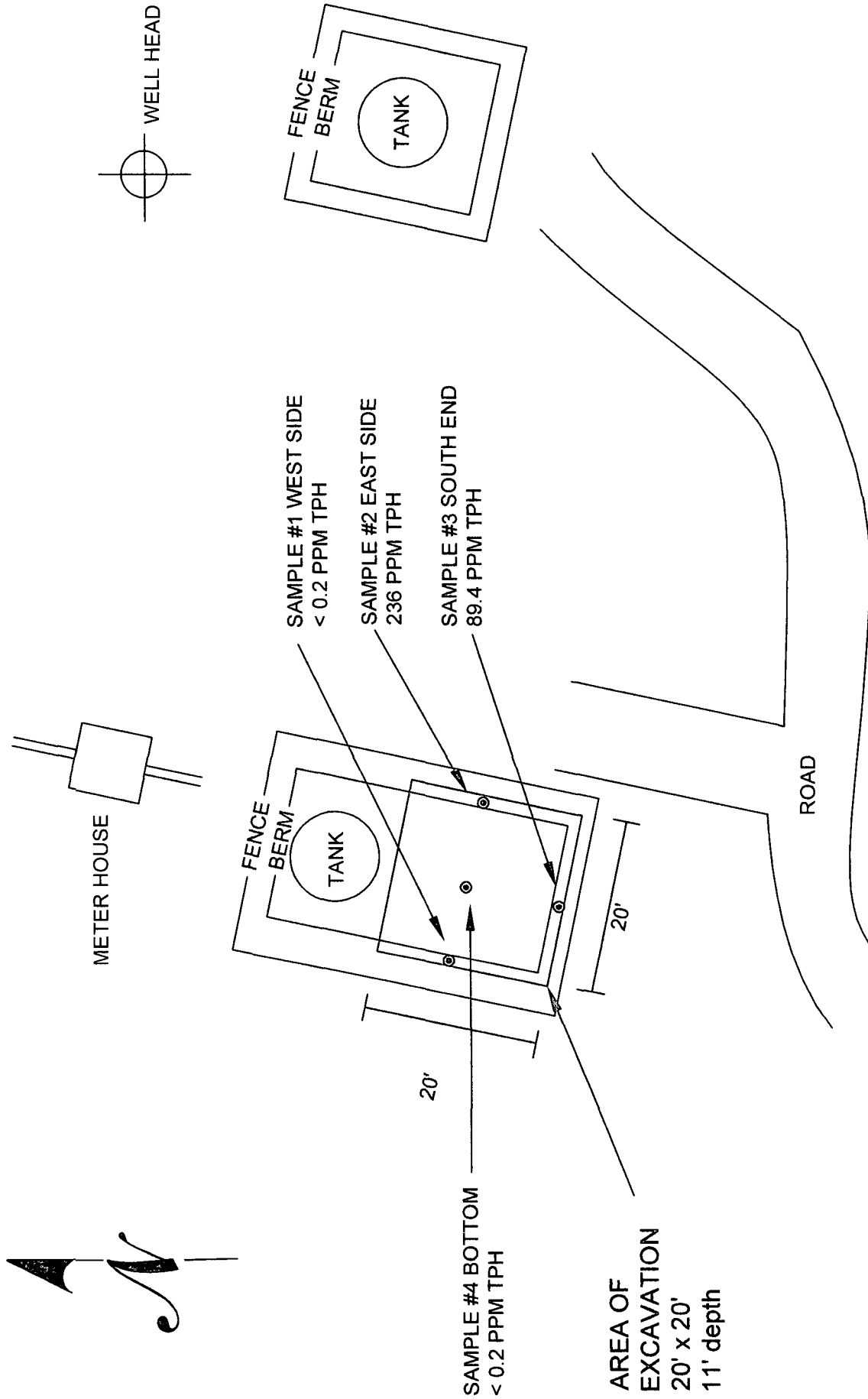
Reviewed By:


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ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
(505) 632-0615

ENERGEN RESOURCES
CHACON JICARILLA D#1
JOB NO. 03022-009

REVISIONS
BY _____ DATE _____
BY _____ DATE _____

LEGEND

● SAMPLE POINT

— AREA OF EXCAVATION

SITE MAP

DATE 12/29/04 SCALE _____
DRAWN AMR
APPROVED _____
FIGURE 1

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

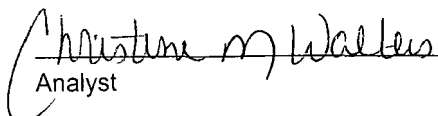
Client:	Energen Res	Project #:	03022-009
Sample ID:	#1 West Side	Date Reported:	12-21-04
Laboratory Number:	31529	Date Sampled:	12-17-04
Chain of Custody No:	13412	Date Received:	12-17-04
Sample Matrix:	Soil	Date Extracted:	12-20-04
Preservative:	Cool	Date Analyzed:	12-21-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

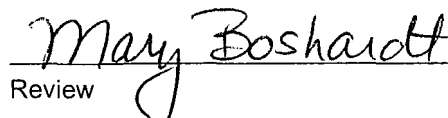
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Chacon Jicarilla D-1.**


Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

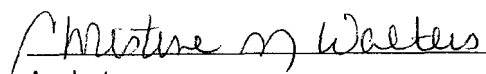
Client:	Energen Res	Project #:	03022-009
Sample ID:	#2 East Side	Date Reported:	12-21-04
Laboratory Number:	31530	Date Sampled:	12-17-04
Chain of Custody No:	13412	Date Received:	12-17-04
Sample Matrix:	Soil	Date Extracted:	12-20-04
Preservative:	Cool	Date Analyzed:	12-21-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

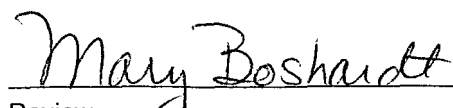
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	34.6	0.2
Diesel Range (C10 - C28)	201	0.1
Total Petroleum Hydrocarbons	236	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Chacon Jicarilla D-1.**


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

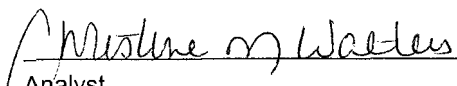
Client:	Energen Res	Project #:	03022-009
Sample ID:	#3 South End	Date Reported:	12-21-04
Laboratory Number:	31531	Date Sampled:	12-17-04
Chain of Custody No:	13412	Date Received:	12-17-04
Sample Matrix:	Soil	Date Extracted:	12-20-04
Preservative:	Cool	Date Analyzed:	12-21-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

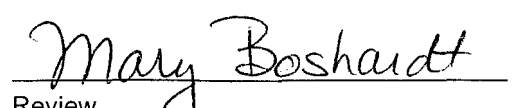
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	73.1	0.2
Diesel Range (C10 - C28)	16.3	0.1
Total Petroleum Hydrocarbons	89.4	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Chacon Jicarilla D-1.**


Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Energen Res	Project #:	03022-009
Sample ID:	#4 Bottom	Date Reported:	12-21-04
Laboratory Number:	31532	Date Sampled:	12-17-04
Chain of Custody No:	13412	Date Received:	12-17-04
Sample Matrix:	Soil	Date Extracted:	12-20-04
Preservative:	Cool	Date Analyzed:	12-21-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Chacon Jicarilla D-1.**

Christine M. Walters
Analyst

Mary Boshardt
Review