

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Sundry Notices and Reports on Wells

RECEIVED
070 FARMINGTON NM
DEC 12 PM 2 11

1. Type of Well
Oil Well

2. Name of Operator
Vulcan Minerals & Energy, c/o NMOCD Aztec District Office

3. Address & Phone No. of Operator
1000 Rio Brazos Road, Aztec, NM 87410 505-334-6178

4. Location of Well, Footage, Sec., T, R, M
650' FSL and 1980' FEL, Section 32, T-31-N, R-16-W,

5. Lease Number
BIA #14-20-603-734
6. If Indian, All. or
Tribe Name
Navajo
7. Unit Agreement Name
Horseshoe Gallup
8. Well Name & Number
HSGU #49
9. API Well No.
30-045-10118
10. Field and Pool
Horseshoe Gallup
11. County & State
San Juan County, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment

Type of Action

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other -

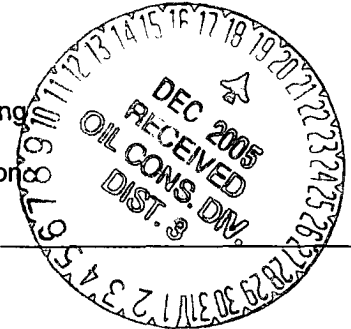
☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection



13. Describe Proposed or Completed Operations

Historical contamination discovered during clean up at the well bore after plugging was excavated, remediated to NMOCD standards and returned to the excavation. See attached diagram and analysis.

This well was plugged and abandoned on December 9, 2004.

The surface remediation was completed on July 28, 2005 per the attached reports.

SIGNATURE

William F. Clark

Contractor

December 2, 2005

William F. Clark, President, A-Plus Well Service, as contractor for reclamation fund

(This space for Federal or State Office use)

APPROVED BY

Ray Sam

Title

Branch Chief

Date

CONDITION OF APPROVAL, if any:

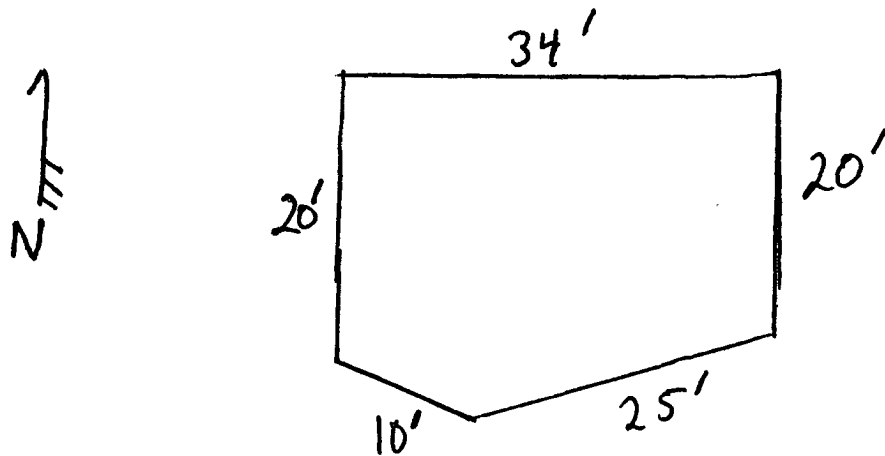
NMOCD

1/8

Horseshoe Gallup Unit #49

32-31N-16W

Surface Remediation



Dug to 9 feet to bedrock (shale and siltstone).

3/1/05 Excavation tested below standards.

4/5/05 Turn biopile add fertilizer. Excavate additional material to reduce

4/13/05 Excavate side walls in fractured shale, re-test TPH.

5/23/05 Turn biopile and take samples. Biopile below requirements

7/28/05 Excavation back filled

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

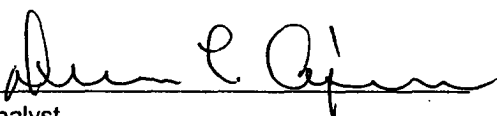
Client:	A-Plus Horseshoe Gallup	Project #:	99042-004
Sample ID:	HSGU #49 Biopile	Date Reported:	05-26-05
Laboratory Number:	33090	Date Sampled:	05-23-05
Chain of Custody No:	14094	Date Received:	05-24-05
Sample Matrix:	Soil	Date Extracted:	05-24-05
Preservative:	Cool	Date Analyzed:	05-26-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

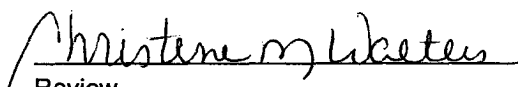
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	72.6	0.1
Total Petroleum Hydrocarbons	72.6	0.2

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: Horseshoe Gallup.


Analyst


Review

3/8

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A-Plus Horseshoe Gallup	Project #:	99042-004
Sample ID:	HSGU #49 Biopile	Date Reported:	05-26-05
Laboratory Number:	33090	Date Sampled:	05-23-05
Chain of Custody:	14094	Date Received:	05-24-05
Sample Matrix:	Soil	Date Analyzed:	05-26-05
Preservative:	Cool	Date Extracted:	05-24-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	3.6	1.8
Ethylbenzene	59.7	1.7
p,m-Xylene	56.8	1.5
o-Xylene	2.5	2.2
Total BTEX	123	

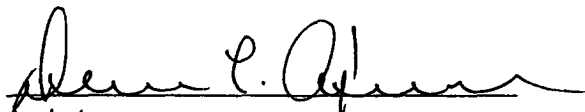
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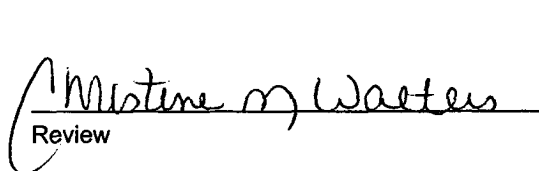
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Horseshoe Gallup.


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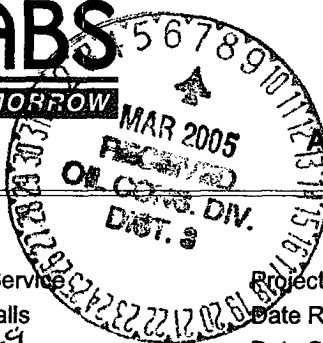
 4/8
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021

AROMATIC VOLATILE ORGANICS



Client:	A-Plus Well Services	Project #:	99042-010
Sample ID:	HSGU Sidewalls	Date Reported:	03-02-05
Laboratory Number:	32247 #49	Date Sampled:	03-01-05
Chain of Custody:	13628	Date Received:	03-01-05
Sample Matrix:	Soil	Date Analyzed:	03-02-05
Preservative:	Cool	Date Extracted:	03-02-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	294	2.1
Toluene	184	1.8
Ethylbenzene	146	1.7
p,m-Xylene	536	1.5
o-Xylene	166	2.2
Total BTEX	1,330	

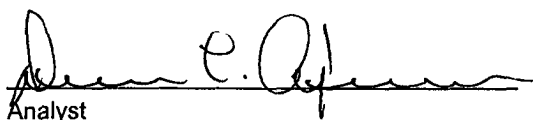
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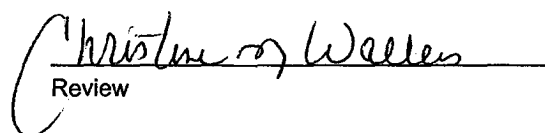
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Horseshoe Gallup, Shiprock.

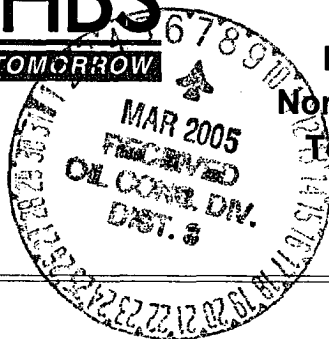

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 5/8
Review

ENVIROTECH LABS

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons



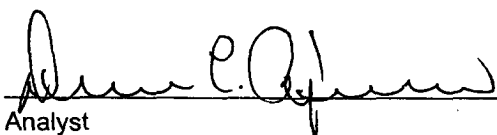
Client:	A-Plus Well Service	Project #:	99042-010
Sample ID:	HSGU Sidewalls	Date Reported:	03-02-05
Laboratory Number:	32247 #49	Date Sampled:	03-01-05
Chain of Custody No:	13628	Date Received:	03-01-05
Sample Matrix:	Soil	Date Extracted:	03-02-05
Preservative:	Cool	Date Analyzed:	03-02-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

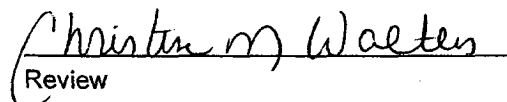
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	17.7	0.2
Diesel Range (C10 - C28)	244	0.1
Total Petroleum Hydrocarbons	262	0.2

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: Horseshoe Gallup, Shiprock.


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Review

6/8

ENVIROTECH LABS

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

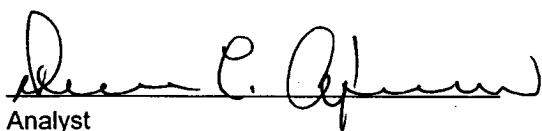
Client:	A-Plus NMOCD Contract	Project #:	99042-004
Sample ID:	Pit Walls	Date Reported:	04-07-05
Laboratory Number:	32540	Date Sampled:	04-05-05
Chain of Custody No:	13806	Date Received:	04-05-05
Sample Matrix:	Soil	Date Extracted:	04-06-05
Preservative:	Cool	Date Analyzed:	04-07-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

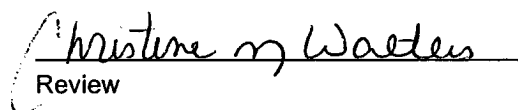
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	36.0	0.2
Diesel Range (C10 - C28)	234	0.1
Total Petroleum Hydrocarbons	270	0.2

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: **HSGU #49.**


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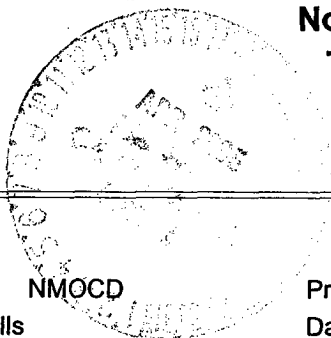

Review

7/8

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons



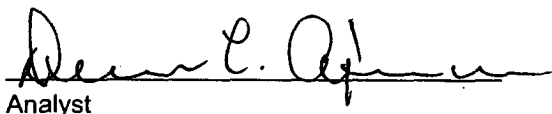
Client:	A-Plus NMOC	Project #:	99042-004
Sample ID:	Sidewalls	Date Reported:	04-14-05
Laboratory Number:	32620	Date Sampled:	04-13-05
Chain of Custody No:	13853	Date Received:	04-13-05
Sample Matrix:	Soil	Date Extracted:	04-14-05
Preservative:	Cool	Date Analyzed:	04-14-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

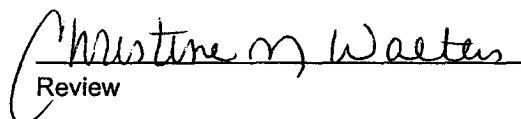
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	15.9	0.1
Total Petroleum Hydrocarbons	15.9	0.2

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: Horseshoe Gallup HSGU #49.


Analyst


Review

8/8