

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

2005 DEC 12 PM 2 13

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
2110' FNL and 2020' 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 #43
9. API Well No.
30-045-10194
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

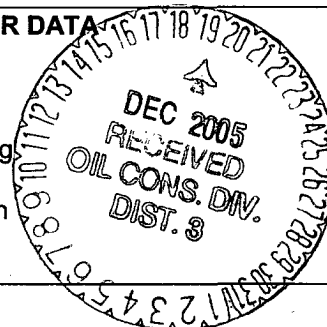
Type of Submission

☐ 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 10, 2004.

The surface remediation was completed on October 12, 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 Sams Title Branch Chief Date 12/13/05
CONDITION OF APPROVAL, if any:

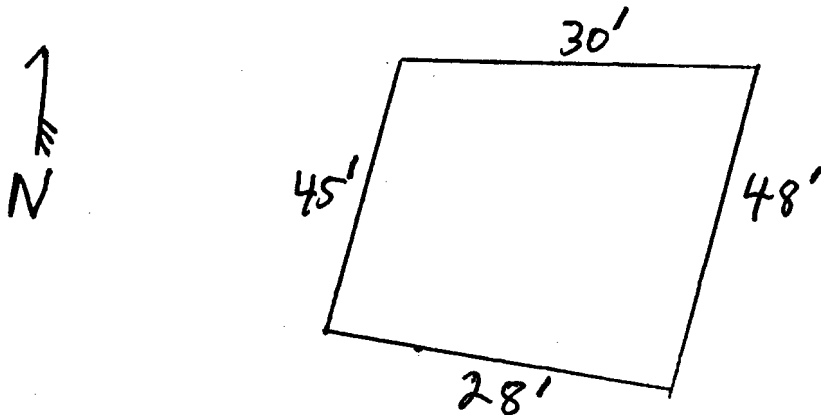
NMOCD

1/6

Horseshoe Gallups Unit #43

G-32-31N16W

Surface Remediation



2/28/05 Dug out around P+A marker and surface casing to 12 feet deep. Bottom of pit siltstone and shale. Sample excavation. Sample was below required remediation levels.

4/5/05 Fertilize and turn Biopile.

4/13/05 Turn biopile

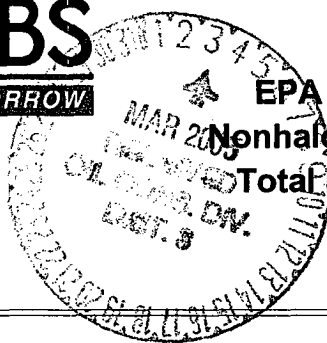
5/23/05 Turn Biopiles and take 5 point sample. Sample tested below required remediation levels

7/28/05 Back fill excavation

10/12/05 Add additional backfill.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW



EPA METHOD 8015 Modified

Nonhalogenated Volatile Organics

Total Petroleum Hydrocarbons

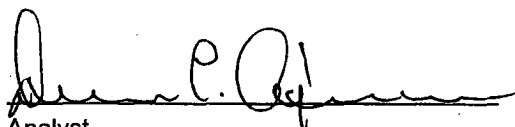
Client:	A-Plus Well Service	Project #:	99042-010
Sample ID:	HSGU #43, Sidewall	Date Reported:	03-01-05
Laboratory Number:	32243	Date Sampled:	02-28-05
Chain of Custody No:	13625	Date Received:	02-28-05
Sample Matrix:	Soil	Date Extracted:	03-01-05
Preservative:	Cool	Date Analyzed:	03-01-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

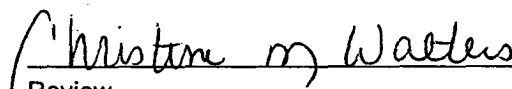
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Horseshoe Gallup, Shiprock.

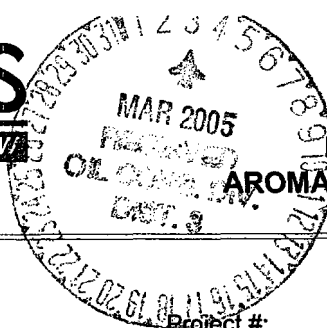

Analyst


Review

3/6

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A-Plus Well Service	Project #:	99042-010
Sample ID:	HSGU #43, Sidewall	Date Reported:	03-01-05
Laboratory Number:	32243	Date Sampled:	02-28-05
Chain of Custody:	13625	Date Received:	02-28-05
Sample Matrix:	Soil	Date Analyzed:	03-01-05
Preservative:	Cool	Date Extracted:	03-01-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	16.7	1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	16.7	

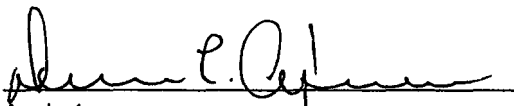
ND - Parameter not detected at the stated detection limit.

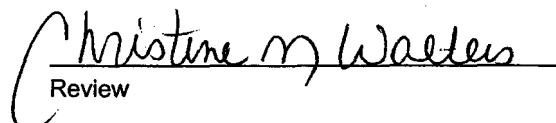
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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, Shiprock.


Analyst

 4/6
Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

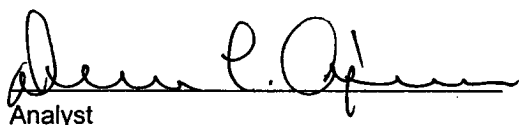
Client:	A-Plus Horseshoe Gallup	Project #:	99042-004
Sample ID:	HSGU #43 Biopile	Date Reported:	05-26-05
Laboratory Number:	33091	Date Sampled:	05-23-05
Chain of Custody No:	14094	Date Received:	05-24-05
Sample Matrix:	Soil	Date Extracted:	05-24-05
Preservative:	Cool	Date Analyzed:	05-26-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

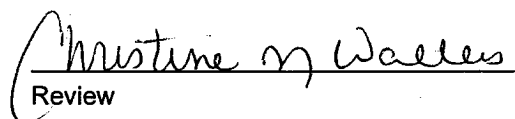
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	202	0.1
Total Petroleum Hydrocarbons	202	0.2

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

5/6

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 #43 Biopile	Date Reported:	05-26-05
Laboratory Number:	33091	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	4.0	1.8
Ethylbenzene	44.2	1.7
p,m-Xylene	41.9	1.5
o-Xylene	ND	2.2
Total BTEX	90.1	

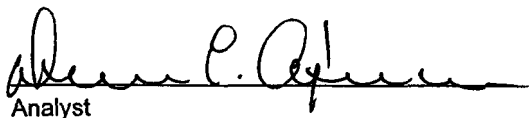
ND - Parameter not detected at the stated detection limit.

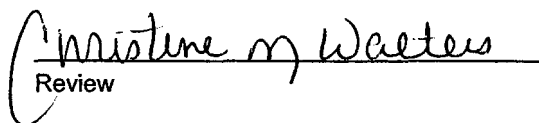
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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.


Analyst


Review

6/6