

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

2005 DEC 12 5:00 PM

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

778' FNL and 1863' FWL, Section 32, T-31-N, R-16-W

Lease Number

BIA #14-20-603-734

If Indian, All. or

Tribe Name

Navajo

7. Unit Agreement Name

Horseshoe Gallup

8. Well Name & Number

HSGU #44

9. API Well No.

30-045-10223

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 -

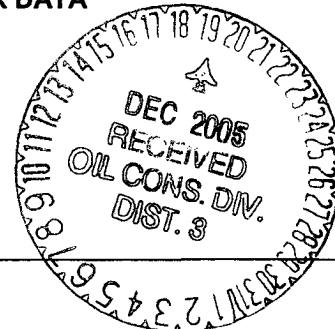
☐ Change of Plans

☐ 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 March 31, 2005.

The surface remediation was completed on November 17, 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

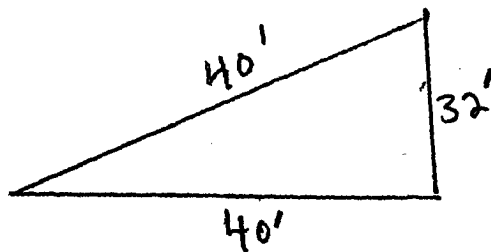
12/13/05

CONDITION OF APPROVAL, if any:

OPERATOR

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Surface Remediation
Horseshoe Gallup Unit #44
C-32-31N-16W



4/13/05 Excavated 12' to bedrock, hit fractured shale at 3'.

5/23/05 Turn biopile and take 5 point samples.

7/28/05 Turn biopile and take 5 point samples.

9/02/05 Turn biopile and take 5 point samples

10/12/05 Add fertilizer and turn biopile, take 5 point sample

11/2/05 Add fertilizer and turn biopile, take 5 point samples. Biopile meets standards.

11/17/05 Backfill Excavation.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

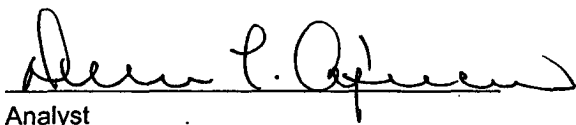
Client:	A-Plus Horseshoe Gallup	Project #:	99042-004
Sample ID:	HSGU #44 Biopile	Date Reported:	05-26-05
Laboratory Number:	33092	Date Sampled:	05-23-05
Chain of Custody No:	14094	Date Received:	05-24-05
Sample Matrix:	Soil	Date Extracted:	05-24-05
Preservative:	Cool	Date Analyzed:	05-26-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

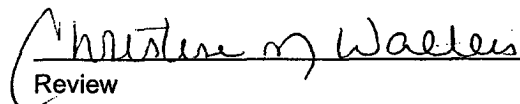
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	44.7	0.2
Diesel Range (C10 - C28)	1,690	0.1
Total Petroleum Hydrocarbons	1,730	0.2

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


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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 #44 Biopile	Date Reported:	05-26-05
Laboratory Number:	33092	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	18.5	2.1
Toluene	19.2	1.8
Ethylbenzene	79.2	1.7
p,m-Xylene	332	1.5
o-Xylene	44.9	2.2
Total BTEX	494	

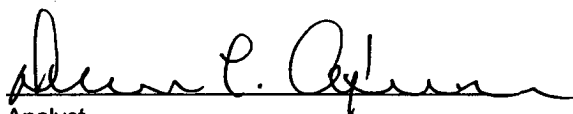
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A-Plus (OCD)	Project #:	99042-010
Sample ID:	1 - 5 Point Composite	Date Reported:	08-03-05
Laboratory Number:	33909	Date Sampled:	07-28-05
Chain of Custody:	14346	Date Received:	07-28-05
Sample Matrix:	Soil	Date Analyzed:	08-03-05
Preservative:	Cool	Date Extracted:	08-01-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.2	2.1
Toluene	34.4	1.8
Ethylbenzene	114	1.7
p,m-Xylene	324	1.5
o-Xylene	62.7	2.2
Total BTEX	539	

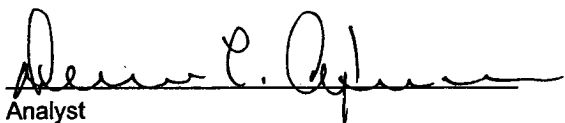
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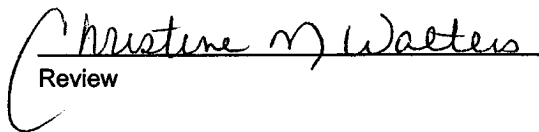
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Pit 44, Gallup Horseshoe. Biopile


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

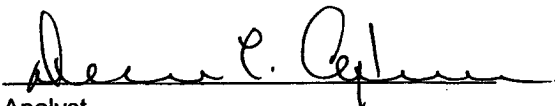
Client:	A Plus (OCD)	Project #:	99042-010
Sample ID:	1 - 5 Point Composite	Date Reported:	08-03-05
Laboratory Number:	33909	Date Sampled:	07-28-05
Chain of Custody No:	14346	Date Received:	07-28-05
Sample Matrix:	Soil	Date Extracted:	08-01-05
Preservative:	Cool	Date Analyzed:	08-03-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

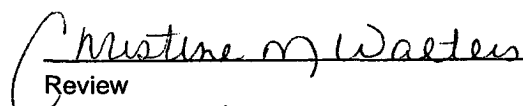
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	67.5	0.2
Diesel Range (C10 - C28)	1,960	0.1
Total Petroleum Hydrocarbons	2,030	0.2

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: Pit 44, Gallup Horseshoe. Biopile


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

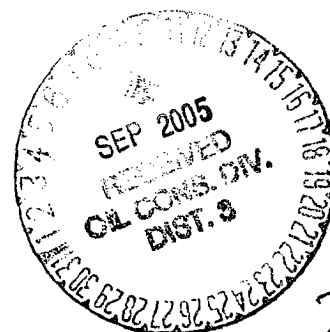
Client:	A-Plus - OCD	Project #:	99042-011
Sample ID:	1 - #44	Date Reported:	09-07-05
Laboratory Number:	34261	Date Sampled:	09-02-05
Chain of Custody No:	14786	Date Received:	09-02-05
Sample Matrix:	Soil	Date Extracted:	09-06-05
Preservative:	Cool	Date Analyzed:	09-07-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

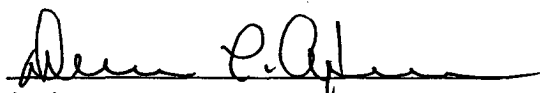
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	50.3	0.2
Diesel Range (C10 - C28)	1,310	0.1
Total Petroleum Hydrocarbons	1,360	0.2

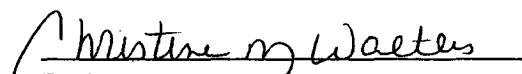
ND - Parameter not detected at the stated detection limit.

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

Comments: **Horseshoe Gallup.**




Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	A Plus Well Service / OCD	Project #:	99042-011
Sample ID:	#3 Well #44	Date Reported:	10-13-05
Laboratory Number:	34660	Date Sampled:	10-12-05
Chain of Custody No:	14915	Date Received:	10-12-05
Sample Matrix:	Soil	Date Extracted:	10-13-05
Preservative:	Cool	Date Analyzed:	10-13-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	47.6	0.2
Diesel Range (C10 - C28)	1,410	0.1
Total Petroleum Hydrocarbons	1,460	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: Gallup Horseshoe.



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Christine M. Walters
Analyst

Mary Bruce
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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

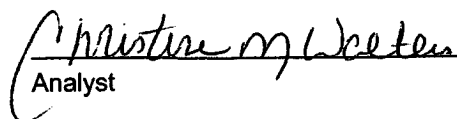
Client:	APlus Well Service / OCD	Project #:	99042-011
Sample ID:	#44	Date Reported:	11-04-05
Laboratory Number:	34878	Date Sampled:	11-02-05
Chain of Custody No:	15010	Date Received:	11-02-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-03-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

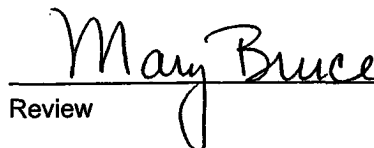
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	338	0.1
Total Petroleum Hydrocarbons	338	0.2

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


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