

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 10

1. Type of Well
Oil

2. Name of Operator
Vulcan Minerals and Energy Incorporated

3. Address & Phone No. of Operator
c/o NMOCD, 1000 Rio Brazos Road, Aztec, NM 87413

Location of Well, Footage, Sec., T, R, M

660' FNL and 660' FEL, Sec. 31, T-31-N, R-16-W,

5. Lease Number
14-20-603-734
6. If Indian, All. or
Tribe Name
Navajo
7. Unit Agreement Name
Horseshoe Gallup
8. Well Name & Number
Horseshoe Gallup #52
9. API Well No.
30-045-10229
10. Field and Pool
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 -

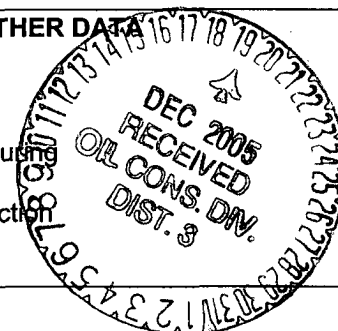
☐ Change of Plans

☐ 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 August 28, 2003.

The surface remediation was completed on October 24, 2004 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

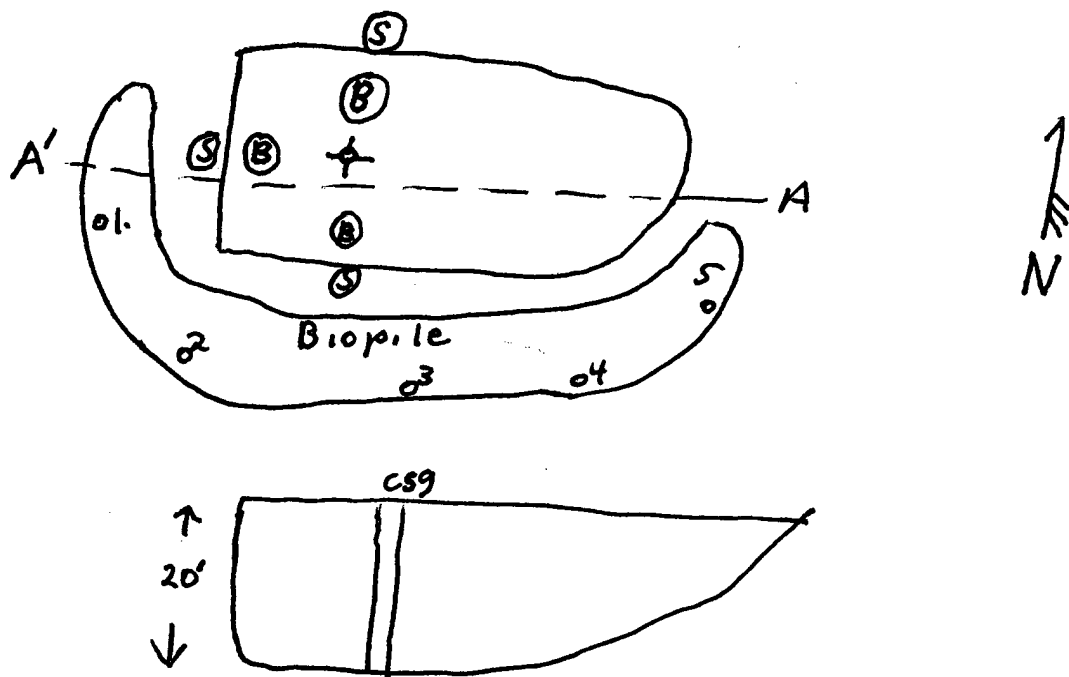
12/13/05

CONDITION OF APPROVAL, if any:

NMOCD

1/5

Horseshoe Gallup Unit #52



August 26, 2004: Remove contamination around dry hole marker to 20' deep.

Take 3pt bottom sample as shown above.
Take 3pt sidewall sample as shown above.

September 15, 2004: Turn biopile with front end loader.

October 6, 2004: Turn biopile with front end loader.
Take 5 point sample of biopile after turning biopile.

October 25, 2004: Back fill with remediated material from biopile.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

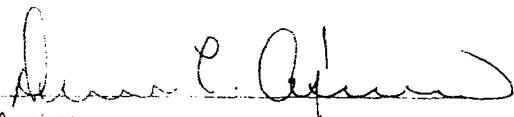
Client:	A - Plus	Project #:	99042-008
Sample ID:	001	Date Reported:	08-30-04
Laboratory Number:	30270	Date Sampled:	08-26-04
Chain of Custody No:	12854	Date Received:	08-26-04
Sample Matrix:	Soil	Date Extracted:	08-27-04
Preservative:	Cool	Date Analyzed:	08-30-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

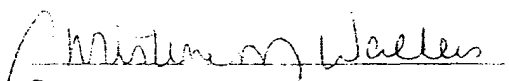
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.1	0.2
Diesel Range (C10 - C28)	25.6	0.1
Total Petroleum Hydrocarbons	28.7	0.2

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 #52 Bottom Composite.


Analyst


Review

3/7

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

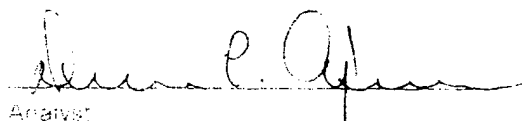
Client:	A - Plus	Project #:	99042-008
Sample ID:	004	Date Reported:	08-30-04
Laboratory Number:	30273	Date Sampled:	08-26-04
Chain of Custody No:	12854	Date Received:	08-26-04
Sample Matrix:	Soil	Date Extracted:	08-27-04
Preservative:	Cool	Date Analyzed:	08-30-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

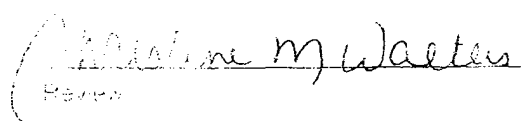
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.2	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.2	0.2

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 #52 Side Composite.


Analyst


Reviewer

4/7

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A - Plus	Project #:	99042-008
Sample ID:	002	Date Reported:	08-30-04
Laboratory Number:	30271	Date Sampled:	08-26-04
Chain of Custody:	12854	Date Received:	08-26-04
Sample Matrix:	Soil	Date Analyzed:	08-30-04
Preservative:	Cool	Date Extracted:	08-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	33.3	1.7
Ethylbenzene	7.1	1.5
p,m-Xylene	297	2.2
o-Xylene	59.8	1.0
Total BTEX	397	

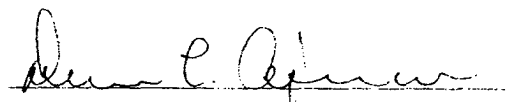
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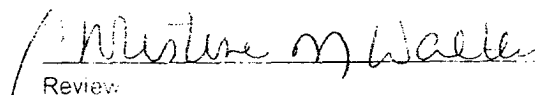
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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 #52 Side Composite.


Analyst


Review

5/7

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A - Plus	Project #:	99042-008
Sample ID:	003	Date Reported:	08-30-04
Laboratory Number:	30272	Date Sampled:	08-26-04
Chain of Custody:	12854	Date Received:	08-26-04
Sample Matrix:	Soil	Date Analyzed:	08-30-04
Preservative:	Cool	Date Extracted:	08-27-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	20.2	1.7
Ethylbenzene	12.0	1.5
p,m-Xylene	160	2.2
o-Xylene	37.1	1.0
Total BTEX	229	

ND - Parameter not detected at the stated detection limit.

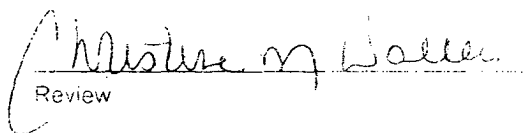
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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 #52 Bottom Composite.


Analyst


Review

6/7

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A-Plus / OCD	Project #:	99042-008
Sample ID:	HGSU #2 LF	Date Reported:	10-08-04
Laboratory Number:	30890	Date Sampled:	10-06-04
Chain of Custody:	12950	Date Received:	10-06-04
Sample Matrix:	Soil	Date Analyzed:	10-08-04
Preservative:	Cool	Date Extracted:	10-07-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	15.2	1.7
Ethylbenzene	14.7	1.5
p,m-Xylene	145	2.2
o-Xylene	23.6	1.0
Total BTEX	199	

ND - Parameter not detected at the stated detection limit.

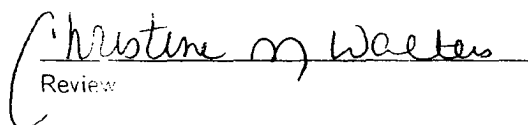
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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 #46 & #56.


Analyst:


Review

7/7