

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DEPUTY OIL & GAS INSPECTOR
(Revised 3/9/94)
DID 11 5 1995

PIT REMEDIATION AND CLOSURE REPORT

Operator: BRECK OPERATING CORPORATION **Telephone:** 505 327-4892
c/o Walsh Engr. & Prod. Corp.
Address: 7415 E. Main Farmington, New Mexico 87402
Facility Or: Kutz Government #5J
Well Name
Location: Unit or Qtr/Qtr Sec SE/NW Sec 2 T 27N R 10W County San Juan, N.M.
Pit Type: Separator X Dehydrator ___ Other ___
Land Type: BLM X, State ___, Fee ___, Other ___

Pit Location: Pit dimensions: length 15', width 15', depth 3'
(Attach diagram)
Reference: wellhead ___, other Separator
Footage from reference: 8'
Direction from reference: ___ Degrees ___ East North ___
of
___ West South X

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 10
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points) 0
(Less than 200 feet from a private No (0 points)
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 10

RECEIVED
OCT 3 1 1995
OIL CON. DIV.
DIST. 3

Date Remediation Started: _____ Date Completed: _____

Remediation Method: Excavation _____ Approx. cubic yards _____
(Check all appropriate sections) Landfarmed _____ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite _____ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Based on soil analysis below pit was
back filled 10/23/95

Ground Water Encountered: No Yes _____ Depth _____

Final Pit: Sample location Bottom and side of pit

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth Bottom of pit (~3') and side of pit (~2')

Sample date 6/1/95 Sample time 10 AM

Sample Results

Benzene (ppm) ND Analysis Attached

Total BTEX (ppm) ND

Field headspace (ppm) NA

TPH ND

Ground Water Sample: Yes _____ No (If yes, attach sample results)

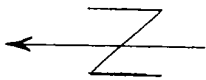
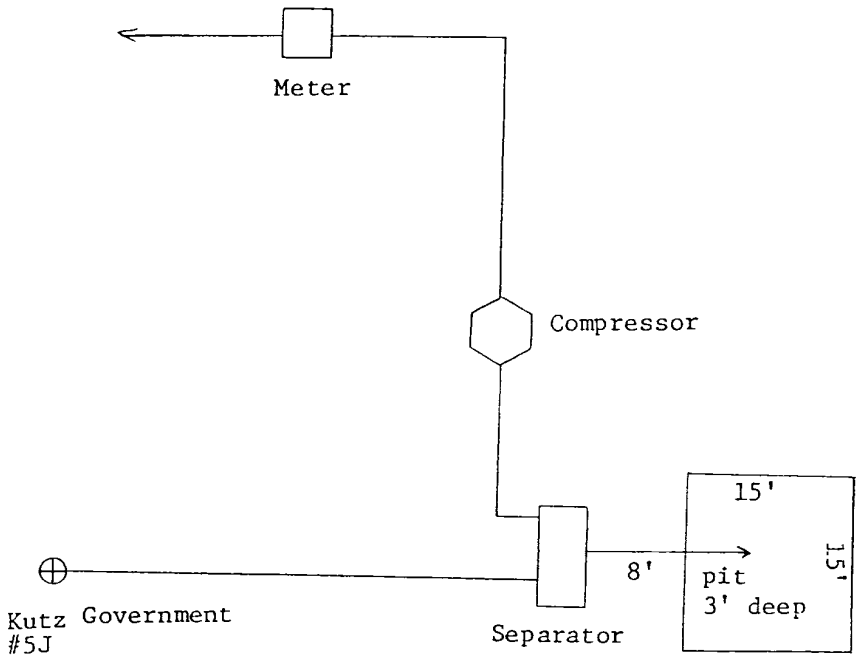
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 10/30/95

SIGNATURE *Paul C. Thompson*

PRINTED NAME AND TITLE Paul C. Thompson, P.E.
President

BRECK OPERATING CORPORATION
Kutz Government #5J
SE/NW Sec. 2, T27N, R10W



**TOTAL PETROLEUM HYDROCARBONS
EPA METHOD 418.1**

Walsh Engineering and Production

Project: Breck Operating Co.
Matrix: Soil
Condition: Intact/Cool

Date Reported: 06/14/95
Date Sampled: 06/01/95
Date Received: 06/01/95
Date Extracted: 06/07/95
Date Analyzed: 06/08/95

Sample ID	Lab ID	Result (mg/kg)	Detection Limit
Dirt from closed pit on Kutz Gov #5J	G00635	ND	19

ND - Analyte not detected at stated detection level.

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: MAK

VOLATILE AROMATIC HYDROCARBONS

Walsh Engineering and Production

Project ID:	Breck Operating Co.	Report Date:	06/14/95
Sample ID:	Dirt from closed pit on Kutz Gov #5J	Date Sampled:	06/01/95
Lab ID:	G00635	Date Received:	06/01/95
Sample Matrix:	Soil	Date Extracted:	06/05/95
Condition:	Cool/Intact	Date Analyzed:	06/06/95

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
m,p-Xylenes	ND	10.0
o-Xylene	ND	10.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	95.9	75 -125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Anna Schaefer
Analyst

MR
Review

Quality Assurance / Quality Control

TOTAL PETROLEUM HYDROCARBONS
Quality Assurance/Quality Control

Walsh Engineering and Production

Project: Breck Operating Co.
Matrix: Soil
Condition: Intact/Cool

Date Reported: 06/14/95
Date Sampled: 06/01/95
Date Received: 06/01/95
Date Extracted: 06/07/95
Date Analyzed: 06/08/95

Duplicate Analysis

Lab ID	Sample Result	Duplicate Result	Units	% Difference
G00625	827	902	ppm	8.7%

Matrix Spike Analysis

Lab ID	Sample Result (ppm)	Spike Result (ppm)	Spike Added (ppm)	% Recovery
G00630	202	419	200	108.4%

Method Blank Analysis

Lab ID	Result	Units	Detection Limit
MB	ND	ppm	19

Known Analysis

Lab ID	Found Conc.	Known Conc.	Units	Percent Recovery
TPH QC	25.7	21.0	ppm	122%

References:

Method 418.1: Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

Method 3550: Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Sept. 1986.

Analyst: Anna Schaefer

Reviewed: MK

VOLATILE AROMATIC HYDROCARBONS QUALITY CONTROL REPORT

Duplicate Analysis

Lab ID: G00635
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 06/14/95
Date Sampled: 06/01/95
Date Received: 06/01/95
Date Extracted: 06/05/95
Date Analyzed: 06/06/95

Target Analyte	Duplicate Concentration (ppb)	Original Concentration (ppb)	% Difference
Benzene	ND	ND	NA
Toluene	ND	ND	NA
Ethylbenzene	ND	ND	NA
m,p-Xylenes	ND	ND	NA
o-Xylene	ND	ND	NA

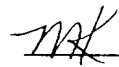
ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	94.6%	75 -121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:


Analyst


Review

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT**

Matrix Spike Analysis

Lab ID: G00635
Sample Matrix: Soil
Condition: Cool/Intact

Report Date: 06/14/95
Date Sampled: 06/01/95
Date Received: 06/01/95
Date Extracted: 06/05/95
Date Analyzed: 06/06/95

Target Analyte	Spiked Sample Result in ng	Sample result in ng	Spike Added (ng)	% Recovery	Acceptance Limits (%)
Benzene	20.72	0.00	30	75.0%	70-130
Toluene	26.90	0.38	30	88.4%	70-130
Ethylbenzene	26.96	0.10	30	89.5%	70-130
m,p-Xylenes	53.91	0.55	60	88.9%	70-130
o-Xylene	54.56	0.17	60	90.7%	70-130

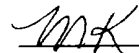
ND - Analyte not detected at the stated detection limit.
NA - Not applicable or not calculated.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	93.5%	75 -125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:


Analyst


Review

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT****Method Blank Analysis**Sample Matrix:
Lab ID:Extract
Method BlankReport Date: 06/14/95
Date Analyzed: 06/06/95

Target Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
m,p-Xylenes	ND	10.0
o-Xylene	ND	10.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	94.0	75-125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:


Analyst


Review

Quality Control / Quality Assurance

Known Analysis

BTEX

Client: **Walsh Engineering and Production**
 Project: Breck Operating Co.
 Sample Matrix: Water

Date Reported: 06/14/95
 Date Analyzed: 06/06/95

Known Analysis

Parameter	Found Concentration (ppb)	Known Concentration (ppb)	Percent Recovery
Benzene	7.3	10.0	73%
Toluene	7.3	10.0	73%
Ethylbenzene	8.0	10.0	80%
m+p-Xylene	8.4	10.0	84%
o-Xylene	7.4	10.0	74%

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Bromofluorobenzene	89.2	75-125%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, September 1986.

Comments:

Reported by Anna Schauer

Reviewed by MK