

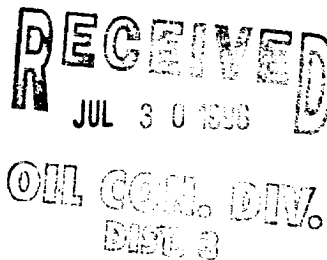
District III
P.O. Box 1980, Hobbs, NM
DEPUTY OIL & GAS INSPECTOR
P.O. Drawer DD, Artesia, NM 88221

District III
1000 Rio Brazos, Santa Fe, NM 87505
OCT 11 1996

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505



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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Snyder)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: Hale Adobe #1			
Location:	Unit: G	Sec. 28	T. 31 N R. 13 W County San Juan
Pit Type:	Separator	Dehydrator <input checked="" type="checkbox"/>	Other
Land Type:	BLM	State	Fee <input checked="" type="checkbox"/> Other
Pit Location: Pit dimensions: length 9 width 9 depth 3			
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other		
Footage from reference: 51'			
Direction from reference: 45 Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/> West South			
Depth to Ground Water:			
(Vertical distance from contaminants to seasonal high water elevation of ground water)		Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	10
Wellhead Protection Area:			
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)		Yes (20 points) No (0 points)	0
Distance to Surface Water:			
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 200 feet (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)	0
RANKING SCORE (TOTAL POINTS):			10

Date Remediation Started: 2/28/95 **Date Completed:** 5/15/95

Remediation Method: Excavation X Approx. Cubic Yard 227

(Check all appropriate sections) Landfarmed X Amount Landfarmed (cubic yds) 227

Other _____

Remediation Location: Onsite X Offsite _____

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location: _____

General Description of Remedial Action:

Excavated contaminated soil and landfarmed soil onsite within a bermed area at a depth of 6' to 12". Soil will be aerated by plowing/disking until soil meets regulatory levels.

Ground Water Encountered: No ✓ Yes _____ Depth _____

Final Pit Closure Sampling: Sample Location Pit Bottom

(if multiple samples, attach sample result and diagram of sample locations and depths.) Sample depth 20'

Sample date 5/15/95 Sample time 10:30:00 AM

Sample Results

Benzene (ppm) ND

Total BTEX (ppm) 0.1221

Field headspace (ppm) _____

TPH ND Method 418.1

Vertical Extent (ft) _____ Risk Assessment form attached Yes _____ No ✓

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 MY BELIEF

DATE

7-26-96

SIGNATURE

Denver BeardenPRINTED NAME
AND TITLE

ALMA HUNTER

G - S.W. NE

Sec 28

T 31 N

R 13 W

SM JUAN

ST-078463A

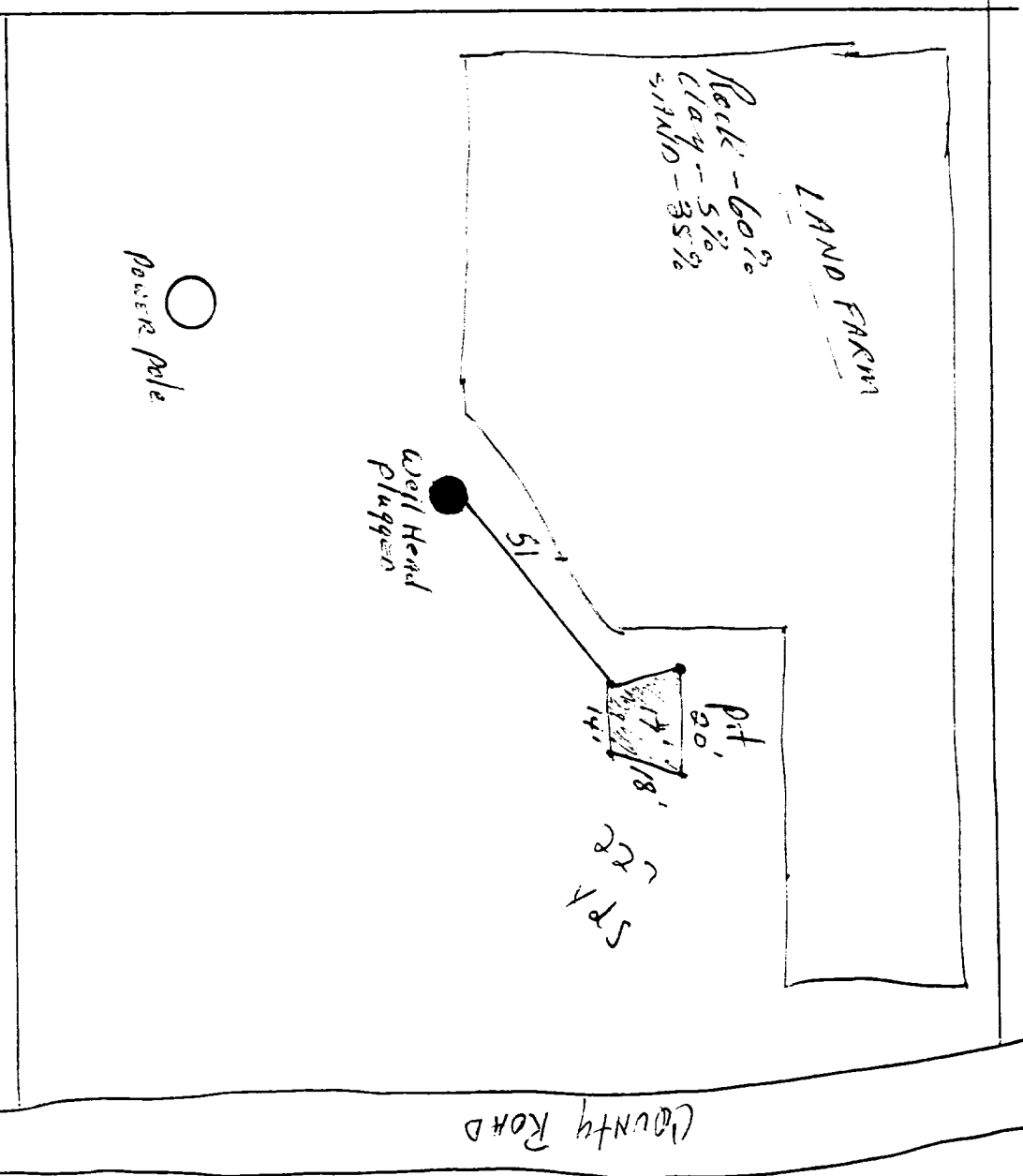
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VOLATILE AROMATIC HYDROCARBONS

Gas Company of New Mexico

Project ID:	Pits	Report Date:	05/17/95
Sample ID:	Hale Adobe Pit Bottom	Date Sampled:	05/15/95
Lab ID:	997	Date Received:	05/15/95
Sample Matrix:	Soil	Date Extracted:	05/15/95
Preservative:	Cool	Date Analyzed:	05/16/95
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	9.01
Toluene	15.3	9.01
Ethylbenzene	31.0	9.01
m,p-Xylenes	56.5	18.0
o-Xylene	19.3	9.01


ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	104	81 -117%
	Bromofluorobenzene	108	74 -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, Final Update I, July, 1992.

Comments:


Analyst


Review

TOTAL PETROLEUM HYDROCARBONS
EPA Method 418.1

Gas Company of New Mexico

Project ID: Pits
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

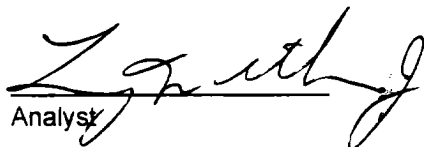
Report Date: 05/17/95
Date Sampled: 05/15/95
Date Received: 05/15/95
Date Extracted: 05/16/95
Date Analyzed: 05/16/95

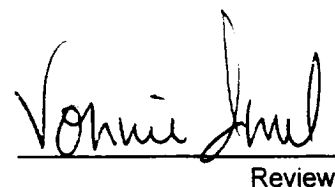
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Duke 1 M-LFS	0995	ND	25.0
Duke 1 M-Pit Bottom	0996	ND	23.4
Hale Adobe Pit 20' Bottom	0997	ND	23.7
Hale Adobe Pit Center	0998	79.4	23.9
Arnstein # 1 Pit Bottom	0999	ND	24.3
Arnstein # 1 LF	1000	ND	24.9

ND-Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Gas Company of New Mexico

Project ID:	Snyder Pits	Report Date:	06/01/95
Sample ID:	Hale Adobe #1 - Landfarm	Date Sampled:	05/31/95
Lab ID:	1069	Date Received:	05/31/95
Sample Matrix:	Soil	Date Extracted:	05/31/95
Preservative:	Cool	Date Analyzed:	05/31/95
Condition:	Intact		

Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	23.2
Toluene	ND	23.2
Ethylbenzene	ND	23.2
m,p-Xylenes	ND	46.4
o-Xylene	ND	23.2

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99	81 -117%
	Bromofluorobenzene	101	74 -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, Final Update I, July, 1992.

Comments:


Analyst


Review



TOTAL PETROLEUM HYDROCARBONS
EPA Method 418.1

Gas Company of New Mexico

Project ID: Snyder Pits
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 06/02/95
Date Sampled: 05/31/95
Date Received: 05/31/95
Date Extracted: 06/02/95
Date Analyzed: 06/02/95

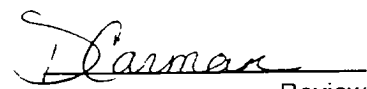
Sample ID	Lab ID	Concentration (mg/kg)	Detection Limit (mg/kg)
Hale Adobe #1 Landfarm	1069	25.3	24.9

ND- Analyte not detected at the stated detection limit.

Reference: Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:


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