State of New Mexico

DEPUTY OIL & GAS INSPECTOR

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

MAY 0 4 1998

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator

Phillips Petroleum (Williams Field Services)

Telephone:

(801) 584-6361

04

Address:

P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName:

SJ 29-6 UNIT #24A

(86932)

Location:

Unit or Qtr/Qtr Sec O Sec 21 T 29N R 6W County Rio Arriba

PitType:

Dehydrator

LandType:

Fee

Pit Location: Pit dimensions: length 21ft., width 20ft., depth 11ft.

(Attach diagram)

Reference: Wellhead

Footage from reference:

62 ft.

Direction from reference:

36 Degrees West of North

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) 0

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources OIL CON. DIV.

Yes (20 points) No (0 points)

DIST. 3

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

Ranking Score (TOTAL POINTS):

0

0

0

Date Remediation Started: 11/15/96 Date Completed: 11/25/96

Excavation 😿

Approx. Cubic Yard 180

Landfarmed 🗸

Insitu Bioremediation [

Other

Landfarmed soil after mechanical aeration.

Remediation Location:

Onsite 🗹 Offsite

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

General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated, mixed with fertilizer, and placed into an onsite stockpile. After remediation goals were confirmed, the soil was returned to the excavation.

Ground Water Encountered: No

Final Pit:

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location SJ 29-6 #24A-V-EX-01

A composite sample, made up of 4 points from each excavation face, was collected..

Sample time

13:20

Sample depth Up to 11 feet.

Sample date 11/16/96

Sample Result

Benzene (ppm) <0.62

Total BTEX (ppm) 46.4

Field Headspace (ppm

TPH (ppm) 49.8

Ground Water Sample:

No

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

PRINTED NAME MARK HARVEN AND TITLE PROJECT COORDINATOR

PIT RETIREMENT FORM

	LII KETIKEIAIEIAI	FURIVI		
Date: <u>U/IS/96</u> Well Name <u>SJ 29-6#Z4A</u> Land Type: <u>BLM</u> ? STATE FEI One Call Made (505-765-1234)? Line Marking Evident?		478000 Sec 2	Veather <u>overcant</u> /T <u>Z9W</u> R <u>6W</u> / RIO ARRIBA	WINDY-LT RAIN+SN UL1775FFC
Pit Location: Reference Wellhead Distance from: 62feet Direction: 360 Degrees	Other E NX_ of _X_W S	METER	NOW PIT	LANDFARM
Starting Pit Dimensions $\frac{\sqrt{U}}{2/\sqrt{U}}$	x 20' x 12'		SITE SKETCH	Nt
Organic Vapor Readings: Start @ 2' _ @ 4' _ @ 6' _ @ 8' _ @ @	Soil Descrip	10 10 71	TO TAN SICTY FINES	W/CLAY
Arroyo, Wasi	Domestic Water Well, S n, Lake, Stream Known Distance to Gr			
Source of Backfill (if other than p	rocessed material			
P	rogress: Verification: rogress: Verification: rogress: Verification:	ID <u>SJ29-</u> ID <u>SS29-</u> ID	6 #24A-V-EX-0	/কৌ/ water প্রকৌ/ water _soil / water
Sample sent to sto Via Courier	Comments: <u>SET UP</u> CONTINUE TO CONTINUE A CONTINUE LANGERM	& BEGIN EXCAVATION OF S'E EXCAVATING WHEN ON NORTH OF WELLHEAN	ACOUNTER STRONG OF	~ 4'IS POR + SIGNIFICANT
(pit sketch-show sample pts.)	Soil Shipped to: Prepared by:			



Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:		11/22/96
Sample ID:	SJ 29-6 #24A-V-EX-01	Date Sampled:	*	11/16/96
Lab ID:	5691	Date Received:		11/18/96
Sample Matrix:	Soil	Date Extracted:		11/19/96
Preservative:	Cool	Date Analyzed:		11/20/96
Condition:	Intact	·		

Target Analyte	Concentration Detection Limit (mg/kg) (mg/kg)		
Total Aromatic Hydrocarbons	46.4		
Benzene	ND	0.62	
Toluene	8.88	0.62	
Ethylbenzene	1.51	0.62	
m,p-Xylenes	29.7	1.23	
o-Xylene	6.30	0.62	
Total Recoverable Petroleum Hydrocarbons	49.8	21.2	

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
	Trifluorotoluene	100	81 - 117%
	Bromofluorobenzene	107	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.

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:

Review



Organic Analysis - Pit Closure

Williams Field Services

Project ID:

OCD Pits

Report Date:

11/22/96

Sample ID:

SJ 29-6 #24A-V-LF-01

Date Sampled:

11/16/96

Lab ID:

5692

Date Received: 11/18/96

Sample Matrix:

Soil

Date Extracted:

11/19/96

Preservative: Condition:

Cool Intact Date Analyzed:

11/20/96

Target Analyte	Concentration Detection Ling/kg) (mg/kg)		
Total Aromatic Hydrocarbons	38.3		
Benzene	ND .	0.72	
Toluene	5.23	0.72	
Ethylbenzene	1.40	0.72	
m,p-Xylenes	26.2	1.43	
o-Xylene	5.47	0.72	
Total Recoverable Petroleum Hydrocarbons	25.2	21.6	

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Comments:

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