State of New Mexico
Energy, Minerals and Natural Resources Department

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

RECEIVED
SEP 23 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum (Williams Field Services) Telephone: (801) 584-6361

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

WellName: SJ 29-6 UNIT #43A (86948)

Location: Unit or Qtr/Qtr Sec J Sec 26 T 29N R 6W County Rio Arriba

PitType Dehydrator

LandType: Fee

Pit Location: Pit dimensions: length 22 ft., width 18 ft., depth 12 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 57 ft.

Direction from reference: 35 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)	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)	10
	Ranking Score (TOTAL POINTS):	10

Form A

(86948)

Date Remediation Started: 11/11/96 Date Completed: 12/20/96

Remediation Method: (check all appropriate sections)
Excavation ☑ Approx. Cubic Yard 0
Landfarmed ☑ Insitu Bioremediation ☐
Other Landfarmed soil after mechanical aeration.

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

General Description Of Remedial Action:

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated and placed into an onsite landfarm. Returned to site 4/3/99 and utilized hydraulic probe to collect sample at 21-22'. TPH: ND BTEX: 0.3

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 #43AMV-V-EX-02

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

Sample depth Up to 12 feet.

Sample date 12/20/96 Sample time 10:00

Sample Result

Benzene (ppm) <0.73

Total BTEX (ppm) <4.38

Field Headspace (ppm)

TPH (ppm) <29.9

Ground Water Sample: No

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

DATE 9-20-99

SIGNATURE M L Harvey FOR WFS

PRINTED NAME AND TITLE MARK HARVEY PROJECT COORDINATOR

Form B

#6948 X

PIT RETIREMENT FORM

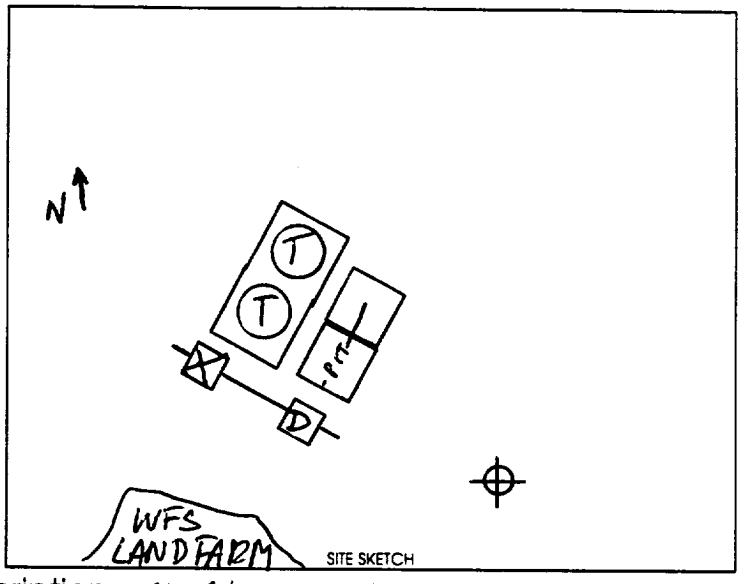
Date: 11/12/96 Weather 65° SUNNY

Well Name SAN JUAN 29-6 #43A MV Operator PHILLIPS PETROLEUM Sec 26 T 29N R 6W UL ____

Land Type: BLM STATE (FEE) INDIAN County RIO ARRIBA

One Call Made (505-765-1234)? (Y) N

Line Marking Evident? (Y) N



SITE SKETCH

Pit Location:

Reference Wellhead X Other ____

Distance from: 57'

Direction: 35° Degrees ____ E N X of X W S ____

Starting Pit Dimensions 8' x 8' x 2'

Final Pit Dimensions 22 x 18 x 12

Organic Vapor Readings: Start ____ Soil Description: SILTY CLAY

@ 2' ____ " "

@ 4' ____ SILTY CLAY + SAND

@ 6' ____ SILTY SAND (FINE GRAINED)

@ 8' ____ " "

@ 10 ____ " "

@ 12' ____ " " + CLAY

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE

Arroyo, Wash, Lake, Stream NONE STOCK POND ~ 800 feet SW

Estimated or Known Distance to Ground Water 7100 feet

Source of Backfill (if other than processed material ____

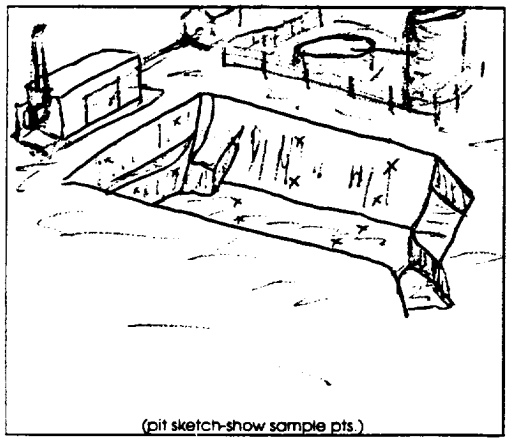
Samples collected: Type

Progress: Verification: ID SJ 29-6 #43A MV-V-EX-02 (soil) / water

Progress: Verification: ID SJ 29-6 #43A MV-V-LF-02 (soil) / water

Progress: Verification: ID ____ soil / water

Sample sent to Lab Via: Courier (Hand Carried) Other ____ Preservative: (ICE) Other ____


(pit sketch-show sample pts.)

Comments: Setup, EXCAVATED, Soil, shredded soil, MIXED WITH FERTILIZER. LANDFARMED PROCESSED SOIL ON SITE. APPEARS THAT AN HISTORIC PIT WAS IMMEDIATELY ADJACENT TO PIT. BOTH PITS WERE EXCAVATED. INSTALLED SOIL VENT TO ENHANCE CONTAMINANT DEGRADATION IN-SITU —

Soil Shipped to: ____

Prepared by: ALLEN HAINS

ANAITAS ENVIRONMENTAL LABS

Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	01/01/97
Sample ID:	SJ 29-6 #43AMV V-EX-02	Date Sampled:	12/20/96
Lab ID:	6043	Date Received:	12/20/96
Sample Matrix:	Soil	Date Extracted:	12/20,24/1996
Preservative:	Cool	Date Analyzed:	12/20,24/1996
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**ND**	
Benzene	ND	0.73
Toluene	ND	0.73
Ethylbenzene	ND	0.73
m,p-Xylenes	ND	1.46
o-Xylene	ND	0.73
Total Recoverable Petroleum Hydrocarbons	**ND**	**29.9**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	93	81 - 117%
	Bromofluorobenzene	97	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

ANAITAS ENVIRONMENTAL LABS

Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	12/18/96
Sample ID:	SJ 29-6 #43AMV V-LF-02	Date Sampled:	12/16/96
Lab ID:	5977	Date Received:	12/16/96
Sample Matrix:	Soil	Date Extracted:	12/17/96
Preservative:	Cool	Date Analyzed:	12/17/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**1.58**	
Benzene	ND	0.71
Toluene	ND	0.71
Ethylbenzene	ND	0.71
m,p-Xylenes	1.58	1.43
o-Xylene	ND	0.71
Total Recoverable Petroleum Hydrocarbons	**ND**	**24.9**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	103	81 - 117%
	Bromofluorobenzene	102	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

QWAL LABORATORIES, INC.

2911 ROTARY TERRACE, P.O. BOX 562/PITTSBURG, KS 66762/(316)232-1970

LABORATORY REPORT: **REFERENCE #:** 9904322

SENT TO: *WILLIAMS FIELD SERVICE*
295 CHIPETA WAY
SALT LAKE CITY, UTAH 84158
MARK HARVEY
PROJECT: NM PITS

DATE REPORTED: 04/19/99
DATE COLLECTED: 04/04/99
DATE RECEIVED: 04/09/99

Reference Fraction:9904322-07A
Sample ID: SJ29-6 #43A @21-22/86948
Sample Date Collected: 04/04/9911:10:00

Sample Matrix: SOIL

TEST	METHOD	RESULT	UNITS	DL	ANALYZED	BY
TPH	SW846-8015	ND	MG/KG	2	04/17/99	KKL
BTEX	SW846 8021			3.0		
BENZENE		ND	MG/KG	0.050	04/15/99	JDH
TOLUENE		0.0608	MG/KG	0.050	04/15/99	JDH
ETHYLBENZENE		ND	MG/KG	0.050	04/15/99	JDH
TOTAL XYLENES		0.246	MG/KG	0.050	04/15/99	JDH
BFB (SURROGATE)		92	125	75		

ND=NONE DETECTED
DL=DETECTION LIMIT
SU=STANDARD UNITS
B=DETECTED IN METHOD BLANK

APPROVED BY:

TERRY KOESTER
LABORATORY DIRECTOR

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