

*Kenny E. Faust*  
DEPUTY OIL & GAS INSPECTOR

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

JUN 23 1998

**PIT REMEDIATION AND CLOSURE REPORT**

*Approved*

Operator: Schalk

Telephone: (801) 584-6361

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

WellName: Schalk # 57 2A

( 85519 )

Location: Unit or Qtr/Qtr Sec C Sec 12 T 30 R 5 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 17 ft., width 18 ft., depth 1 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 122 ft.

Direction from reference: 125 Degrees East 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)

**RECEIVED**

MAR 30 1998

Yes (20 points)  
No (0 points) 0

**OIL CON. DIV.**  
**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 points)  
Greater than 1,000 feet (0 points) 0

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 10/22/97

Date Completed: 10/22/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 79

(check all appropriate sections)

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 and placed into an onsite landfarm.

Ground Water Encountered: 0

Final Pit:

Sample location SCHALK #57 2A-V-EXFL-01

Closure Sampling:

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

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

Sample depth 7 FEET

Sample date 10/22/97

Sample time 17:09

Sample Result

Benzene (ppm) &lt;0.10

Total BTEX (ppm) &lt;0.40

Field Headspace (ppm)

TPH (ppm) &lt;2.0

Ground Water Sample: 0

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

DATE 3/2/93

SIGNATURE

PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

# PIT RETIREMENT FORM

85519

Weather ~~SUN~~ CLOUDY 60's

Date: 10.22.97

Well Name SCHALK # 57 2A Operator SCHALK

Sec 12 T 30 R 5 UL C

Land Type: BLM STATE FEE INDIAN

County RIO ARRIBA

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

**Pit Location:**

Reference Wellhead x Other           

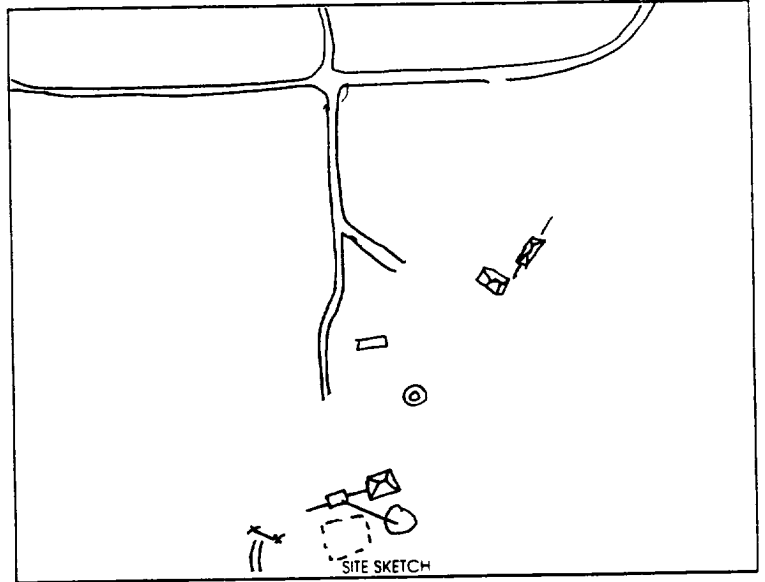
Distance from: 122

Direction: 125° Degrees x E N x

\_\_\_\_\_ of \_\_\_\_\_ W \_\_\_\_\_ S \_\_\_\_\_

Starting Pit Dimensions  $\frac{15}{\text{ft}}$  x  $\frac{15}{\text{ft}}$  x  $\frac{1}{\text{ft}}$

Final Pit Dimensions 17 x 18 x 7



Organic Vapor Readings: Start        Soil Description: SILTY CLAY

@ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

Soil Description: SILTY CLAY

SILTY CLAY

CLAY

34

34

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

Arroyo, Wash, Lake, Stream NONE

Estimated or Known Distance to Ground Water > 100'

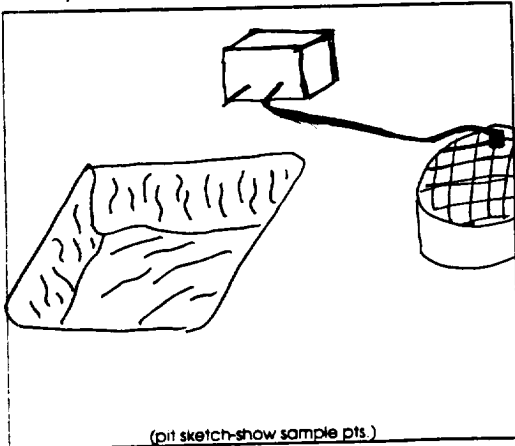
Source of Backfill (if other than processed material) \_\_\_\_\_

Samples collected:	Type	Progress	Verification:	ID	soil	water
				SCHALK #57 ZA - V. EXWA - 01		
				SCHALK #57 ZA - V. EXWA - 01		

Progress: Verification: ID SCHALK #57 2A-V-EXFL-01 (soil) / water  
soil / water

Progress: Verification: ID \_\_\_\_\_ soil / water

Sample sent to Lab Via: Courier Hand Carried Other \_\_\_\_\_ Preservative: ICE Other \_\_\_\_\_



Comments: SITE HAD SOME STAINING AND LITTLE ODOR~ HIT

CLAYSTONE FLOOR AT 7 FEET - SITE CLEANED UP QUICKLY

Soil Shipped to: ON SITE LANDFARM

Prepared by: Mark I. M.D.



## ORGANIC ANALYSIS REPORT

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Client: Williams Field Services  
Date Sampled: October 22, 1997  
Date Received: October 29, 1997

Contact: Mark Harvey  
Date Extracted: October 30, 1997  
Date Analyzed: October 30, 1997

Analysis Requested:  
Volatile Aromatics  
Total Petroleum Hydrocarbons

Method Ref. Number:  
SW-846 #8020/8015 modified  
(Extraction-Sequential GC/PID-FID)

Field Sample ID:  
JICARILLA PIT REMEDIATION  
SCHALK 57 #2A-V-EXWA-01/85519/17:02

Lab Sample ID:  
L31287-7

### Analytical Results

**BTX/TPH-E**

Units = mg/kg(ppm)

463 West 3600 South  
Salt Lake City, Utah  
84115

#### Compound:

Reporting  
Limit:

Amount  
Detected:

Benzene

0.10

< 0.10

Toluene

0.10

< 0.10

Ethylbenzene

0.10

< 0.10

Total Xylene

0.10

< 0.10

Total Petroleum Hydrocarbons

2.0


< 2.0

% Moisture

8.0%

\* All compounds are reported on a dry weight basis.

Released By:

  
Laboratory Supervisor

Report Date: November 03, 1997

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AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

463 West 3600 South  
Salt Lake City, Utah  
84115

(801) 263-8686  
Toll Free (888) 263-8686  
Fax (801) 263-8687

## ORGANIC ANALYSIS REPORT

Client: Williams Field Services  
Date Sampled: October 22, 1997  
Date Received: October 29, 1997

Contact: Mark Harvey  
Date Extracted: October 30, 1997  
Date Analyzed: October 30, 1997

Analysis Requested:  
Volatile Aromatics  
Total Petroleum Hydrocarbons

Method Ref. Number:  
SW-846 #8020/8015 modified  
(Extraction-Sequential GC/PID-FID)

Field Sample ID:  
JICARILLA PIT REMEDIATION  
SCHALK 57 #2A-V-EXFL-01/85519/17:09

Lab Sample ID:  
L31287-8

### Analytical Results

**BTX/TPH-E**

Units = mg/kg(ppm)

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	< 0.10
Toluene	0.10	< 0.10
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	< 0.10
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

10.0%

\* All compounds are reported on a dry weight basis.

Released By: \_\_\_\_\_

Laboratory Supervisor

Report Date: November 03, 1997

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## ORGANIC ANALYSIS REPORT

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Client: Williams Field Services  
Date Sampled: November 20, 1997  
Date Received: November 24, 1997

Contact: Mark Harvey  
Date Extracted: November 24, 1997  
Date Analyzed: November 25, 1997

Analysis Requested:  
Total Petroleum Hydrocarbons

Method Ref. Number:  
SW-846 #8015 modified  
(Extraction - GC/FID)

Field Sample ID:  
SCHALK #57 2A-V-LF-01 @ 16:21/85519 6 PPM  
JICARILLA PIT REMEDIATION

Lab Sample ID:  
L31589-11

463 West 3600 South  
Salt Lake City, Utah  
84115

### Analytical Results

TPH-E

Units = mg/kg(ppm)

#### Compound:

Reporting  
Limit:

Amount  
Detected:

Total Petroleum Hydrocarbons

2.0

42.

% Moisture

11.0%

\* All compounds are reported on a dry weight basis.

Released By: Diane B. Sola

Laboratory Supervisor

Report Date: November 26, 1997

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