

Denny E. Fenty
DEPUTY OIL & GAS INSPECTOR

Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

JUN 23 1998

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 49-4 (86726)
Location: Unit or Qtr/Qtr Sec **D** Sec 23 T 30 R 4 County Rio Arriba
PitType Dehydrator
LandType: State

Pit Location: Pit dimensions: length 19 ft., width 22 ft., depth 15 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 58 ft.

Direction from reference: 150 Degrees East of North

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) 0
high water elevation of
ground water)

RECEIVED
MAR 30 1998

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

OIL CON. DIV.
DIST. 3

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1,000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1,000 feet (0 points) 0
irrigation canals and ditches)

Ranking Score (TOTAL POINTS): 0

(86726)

Date Remediation Started: 10/13/97

Date Completed: 10/13/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 232

(check all appropriate sections)

Landfarmed ☒

Insitu Bioremediation

Other

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.

Ground Water Encountered: 0

Final Pit:

Closure Sampling:

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

Sample location SCHALK 49-4-V-EXFL-01

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

Sample date 10/15/97

Sample time 11:15

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40


Field Headspace (ppm)

TPH (ppm) 6.2

Ground Water Sample: 0

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

DATE 3/6/98

SIGNATURE 

PRINTED NAME AND TITLE Mark Harvey for Williams Field Services

PIT RETIREMENT FORM

86726

Date: OCT 13 1997

Weather SUNNY 50's

Well Name SCHALK 49-4 Operator SCHALK Sec 23 T 3a R 4 UL

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

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

Line Marking Evident? (Y) N

Pit Location:

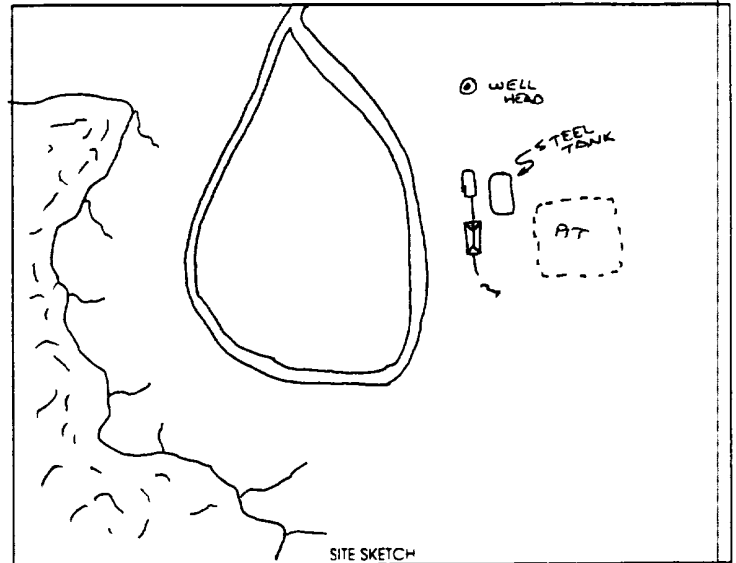
Reference Wellhead x Other

Distance from: 58'

Direction: 150° Degrees x E N x
of
 W S

Starting Pit Dimensions 14 x 14 x 1

Final Pit Dimensions 19 x 22 x 15



Organic Vapor Readings: Start
@ 2'
@ 4'
@ 6'
@ 8'
@ 10'
@ 15'

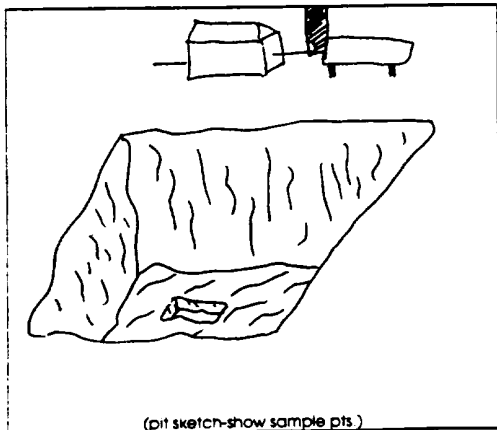
Soil Description: SILTY CLAY
" "
" "
" "
" "
" "
" "

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 SCHALK 49-4-V-EXWA-01 (soil) / water
Progress: Verification: ID SCHALK 49-4-V-EXFL-01 soil / water
Progress: Verification: ID soil / water

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



Comments: SITE LOCATED IN A BOX CANYON- SOIL HAD
MODERATE ODOR AND STAINING - SITE CLEANED AT ABOVE
DIMENSIONS - FLOOR SAMPLE COLLECTED FROM 4 FEET BELOW
15' FLOOR - SOIL SHREDDED AND LANDFARMED ON SITE -

Soil Shipped to: ON SITE LANDFARM

Prepared by: Maul & M.L.



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 15, 1997
Date Received: October 23, 1997

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

Field Sample ID:
JICARILLA PIT REMEDIATION
SCHALK 49-4-V-EXWA-01 @ 11:05/86726

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 23, 1997

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

Lab Sample ID:
L31227-3

Analytical Results

Units = mg/kg(ppm)

BTX/TPH-E

<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

8.0%

* All compounds are reported on a dry weight basis.

Released By: Dean Baker

Laboratory Supervisor

Report Date: October 27, 1997

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ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: October 15, 1997
Date Received: October 23, 1997

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

Field Sample ID:
JICARILLA PIT REMEDIATION
SCHALK 49-4-V-EXFL-01 @ 11:15/86726

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 23, 1997

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

Lab Sample ID:
L31227-4

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	6.2

% Moisture

6.0%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: October 27, 1997

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ORGANIC ANALYSIS REPORT

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 49 #4-V-LF-01 @ 14:20/86726 79 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-2

Analytical Results

Units = mg/kg(ppm)

TPH-E

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

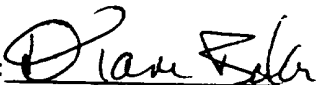
2100.

% Moisture

11.0%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: November 26, 1997

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LANDFARM