

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 55 # 1

(86720)

Location: Unit or Qtr/Qtr Sec A Sec 3 T 30 R 5 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 24 ft., width 18 ft., depth 10 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 65 ft.

Direction from reference: 115 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

OIL CON. DIV
DEPT. E

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): 0

Date Remediation Started: 10/22/97

Date Completed: 10/22/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 160

(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 55 # 1-V-EXFL-01

Closure Sampling:

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

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

Sample depth 10 FEET

Sample date 10/22/97

Sample time 15:30

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

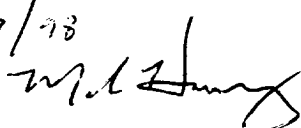
TPH (ppm) <2.0

Ground Water Sample: 0

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

DATE 3/7/98

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

86720

Date: ~~10-27~~ 10.22.97

Weather OVERCAST 60's

Well Name SCHALK 55 #1 Operator SCHALK

Sec 3 T 30 R 5 UL A

Land Type: BLM STATE FEE INDIAN

County RIO ARRIBA

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

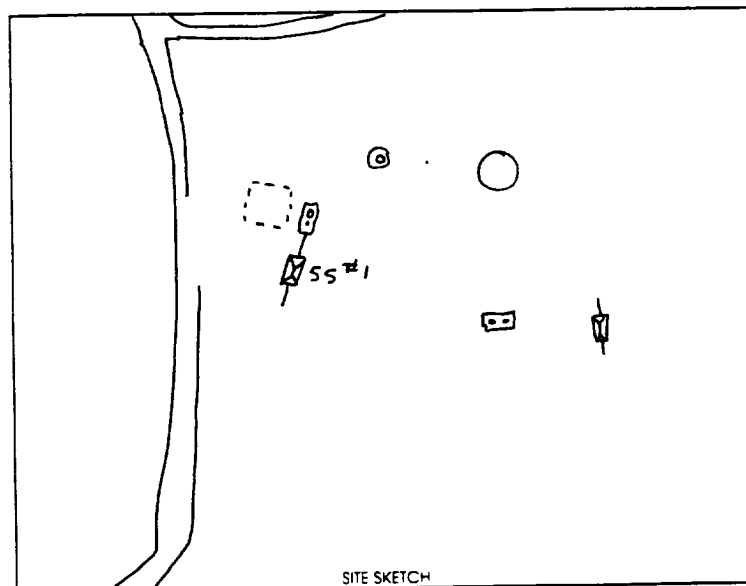
Reference Wellhead ☒ Other ☐

Distance from: 65

Direction: 115° Degrees ☒ E ☐ N ☒
of
☐ W ☐ S

Starting Pit Dimensions 15 X 15 X 1

Final Pit Dimensions 24 X 18 X 10



SITE SKETCH

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

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

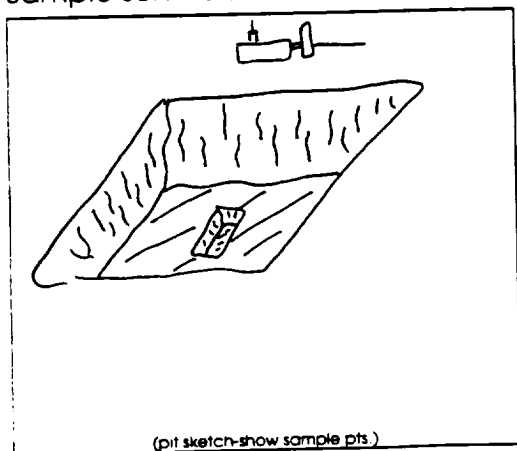
Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
Arroyo, Wash, Lake, Stream NONE
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification: ID SCHALK 55 #1-V-EXWA-01 soil / water
Progress: Verification: ID SCHALK 55 #1-V-EXFL-01 soil / water
Progress: Verification: ID soil / water

Sample sent to Lab Via: Courier

Hand Carried ☐ Other ☐ Preservative: ICE Other ☐



Comments: SITE HAD SLIGHT STAINING AND LITTLE TO NO
ODOR- HIT CLEAN BOTTOM AT TEN FEET AND DUG FLOOR
SAMPLE DITCH- MATERIAL LANDFARMED ON SITE

Soil Shipped to: ON SITE LAND FARM

Prepared by: Ward Y M



AMERICAN
WEST
ANALYTICAL
LABORATORIES

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 55 #1-V-EXWA-01/86720/15:24

Lab Sample ID:
L31287-3

463 West 3600 South
Salt Lake City, Utah
84115

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

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

8.0%

* All compounds are reported on a dry weight basis.

Released By: _____


Laboratory Supervisor

Report Date: November 03, 1997

1 of 1



AMERICAN
WEST
ANALYTICAL
LABORATORIES

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 55 #1-V-EXFL-01/86720/15:30

Lab Sample ID:
L31287-4

Analytical Results

BTX/TPH-E

Units = mg/kg(ppm)

463 West 3600 South
Salt Lake City, Utah
84115

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

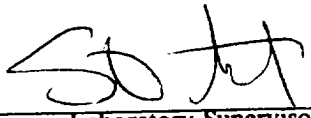
<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	< 0.10
Toluene	0.10	< 0.10
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	< 0.10
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

6.0%

* All compounds are reported on a dry weight basis.

Released By: _____


Laboratory Supervisor

Report Date: November 03, 1997

1 of 1



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 55 #1-V-LF-01 @ 16:34/86720 41 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-13

Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

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: November 26, 1997

1 of 1

LANDFARM