

Denny L. Foust
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 49-2

(86728)

Location: Unit or Qtr/Qtr Sec 0 Sec 23 T 30 R 4 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 17 ft., width 16 ft., depth 8 ft.

(Attach diagram)

Reference: Wellhead

Footage from reference: 25 ft.

Direction from reference: 345 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)

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Yes (20 points)

No (0 points) 0

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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: 10/14/97

Date Completed: 10/14/97

Remediation Method: Excavation ☒
(check all appropriate sections)

Approx. Cubic Yard 80

Landfarmed ☒Insitu Bioremediation ☐

Other

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

Sample location SCHALK 49-2-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 8 feet

Sample date 10/15/97

Sample time 12:03

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 3/6/98

SIGNATURE *M. Harvey*PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

Date: 10-14-97

86728

Weather SUNNY 70's

Well Name SCHALK 49-2 Operator SCHALK Sec 23 T 30 R 4 UL 0

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

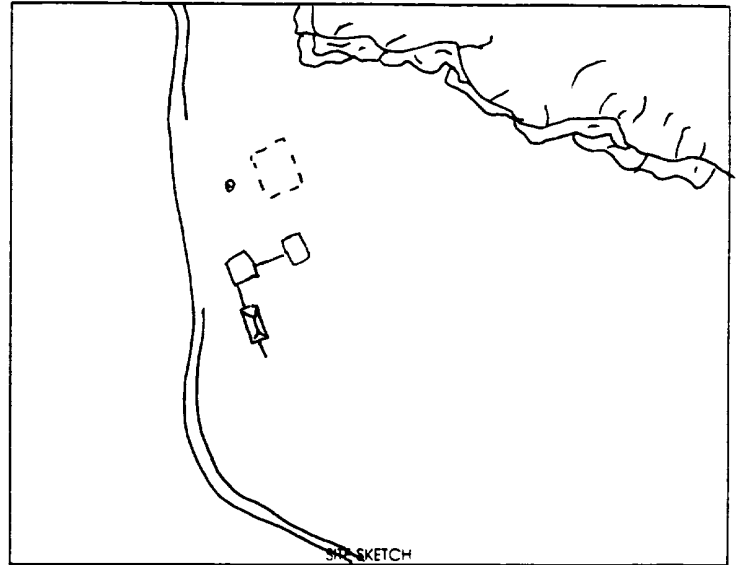
Reference Wellhead ☒ Other ☐

Distance from: 25'

Direction: 345 Degrees ☒ E ☐ N ☐ S
of
☐ W ☐ S

Starting Pit Dimensions 14 x 14 x 2

Final Pit Dimensions 17 x 16 x 8



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

Soil Description: Rocky clay
" "
" "
" "
SANDSTONE

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

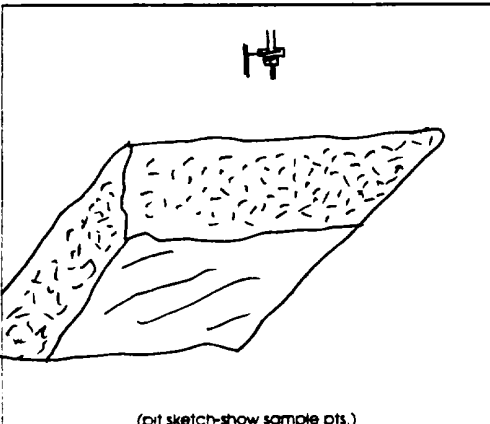
Arroyo, Wash, Lake, Stream NONE

Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification: ID SCHALK 49-2-V-EXWA.01 soil / water
Progress: Verification: ID SCHALK 49-2-V-EXFL.01 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: SITE HAD SLIGHT STAINING AND SLIGHT ODOR -
HIT SANDSTONE FLOOR AT 8' - FLOOR SAMPLE COLLECTED
FROM FLOOR SCRAPINGS WALL SAMPLE COLLECTED FROM
SCRAPINGS - ON SITE LANDFARM

Soil Shipped to: ON SITE LANDFARM

Prepared by: Maui L M



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 49-2-V-EXWA-01 @ 11:50/86728

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:
L31227-5

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

9.0%

* 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

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

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

Analysis Requested:
Volatile Aromatics
Total Petroleum Hydrocarbons

Method Ref. Number:
SW-846 #802078015 modified
(Extraction-Sequential GC/PID-FID)

Field Sample ID:
JICARILLA PIT REMEDIATION
SCHALK 49-2-V-EXFL-01 @ 12:03/86728

Lab Sample ID:
E31227-6

463 West 3600 South
Salt Lake City, Utah
84115

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

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% Moisture

8.0%

* All compounds are reported on a dry weight basis.

Released By: Diana B. Schalk

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 #2-V-LF-01 @ 14:27/86728 30 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-3

Analytical Results

TPH-E

Units = mg/kg(ppm)

<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

14.%

* All compounds are reported on a dry weight basis.

Released By: Diane B. Bick

Laboratory Supervisor

Report Date: November 26, 1997

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