

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

Energy, Minerals and Natural Resources Department

JUN 23 1998

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Devon Energy

Telephone: (801) 584-6361

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

WellName: NEBU # 73

(85682)

Location: Unit or Qtr/Qtr Sec L Sec 35 T 31 R 7 County San Juan

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 14 ft., width 14 ft., depth 4 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 80 ft.

Direction from reference: 270 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) 10

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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OIL CON. DIV.
DIST. 3

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): 20

Date Remediation Started: 11/4/97

Date Completed: 11/4/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 29

(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 NEBU # 73-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 4 FEET

Sample date 11/5/97

Sample time 10:17

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

TPH (ppm) 110

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 Mark Harvey for Williams Field Services
AND TITLE

PIT RETIREMENT FORM

85682

Date: 11-4-97

Weather SUNNY 60's

Well Name NEBU #73 Operator DEVON ENERGY Sec 35 T 31 R 7 UL L

Land Type: BLM STATE FEE INDIAN County SAN JUAN

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

Pit Location:

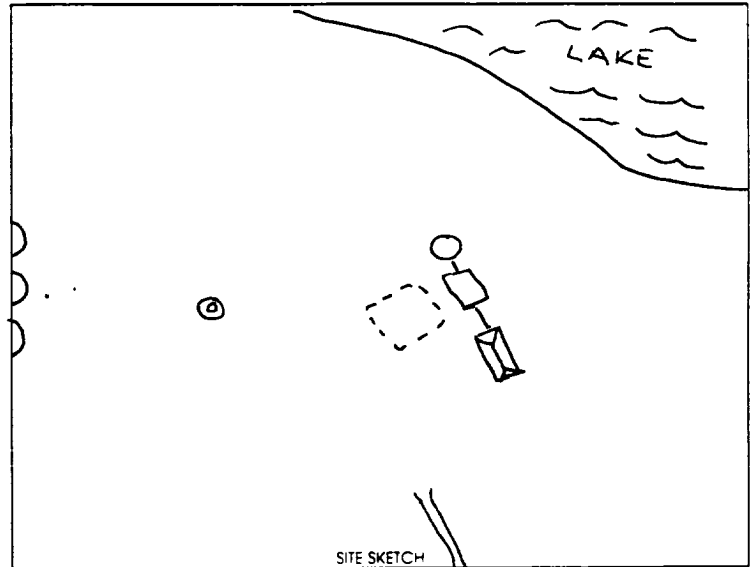
Reference Wellhead ☒ Other ☐

Distance from: 80

Direction: 270 Degrees ☒ E ☐ N ☒
of
☐ W ☐ S

Starting Pit Dimensions 13 x 13 x 1

Final Pit Dimensions 14 x 14 x 4



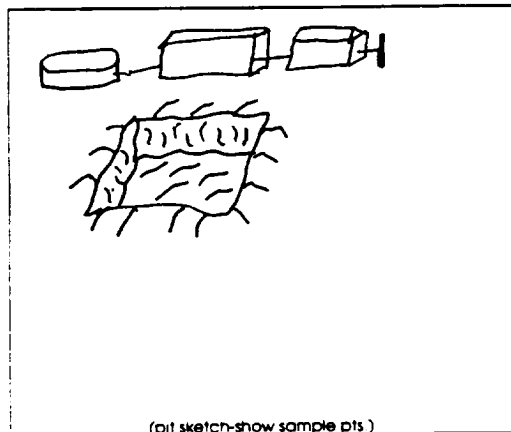
Organic Vapor Readings: Start Soil Description: ROCKY SAND
@ 2' " "
@ 4' ROCK FLOOR
@ 6'
@ 8'
@
@

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
Arroyo, Wash, Lake, Stream > 500'
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material)

Samples collected: Type Progress: Verification ID NEBU #73-V-EXWA-01 soil/ water
Progress: Verification ID NEBU #73-V-EXFL-01 soil/ water
Progress: Verification: ID soil / water

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



Comments: SITE ROCKY AND SANDY - SITE HAD SLIGHT
ODOR AND LITTLE TO NO STAINING - SAND AND ROCK
LANDFARMED ON SITE

Soil Shipped to: ON SITE LANDFARM

Prepared by: Maurice L. M. L.



ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: November 05, 1997
Date Received: November 12, 1997

Contact: Mark Harvey
Date Extracted: November 11, 1997
Date Analyzed: November 13, 1997

Analysis Requested:
Total Petroleum Hydrocarbons
Volatile Aromatics

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

Field Sample ID:
NEBU #73-V-EXWA-01 @ 10:10/85682
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31468-13

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

3.0%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: November 19, 1997

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ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: November 05, 1997
Date Received: November 12, 1997

Contact: Mark Harvey
Date Extracted: November 11, 1997
Date Analyzed: November 13, 1997

Analysis Requested:
Total Petroleum Hydrocarbons
Volatile Aromatics

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

Field Sample ID:
NEBU #73-V-EXFL-01 @ 10:17/85682
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31468-14

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 | 110. |

% Moisture

4.0%

* All compounds are reported on a dry weight basis.

Released By: _____


Laboratory Supervisor

Report Date: November 19, 1997

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ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: November 21, 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:
NEBU #73-V-LF-01 @ 12:34/85682 13 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-27

Analytical Results

TPH-E

463 West 3600 South
Salt Lake City, Utah
84115

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

22.

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

% Moisture

9.0%

* All compounds are reported on a dry weight basis.

LANDFARM

Released By: Diane Beck

Laboratory Supervisor

Report Date: November 26, 1997

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