

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR

JUN 23 1998

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum (Williams Field Services)

Telephone: (801) 584-6361

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

WellName: SJ 29-6 # 15

(86048)

Location: Unit or Qtr/Qtr Sec K Sec 2 T 29 R 6 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 20 ft., width 19 ft., depth 19 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 116 ft.

Direction from reference: 20 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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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: 10/23/97

Date Completed: 10/23/97

Remediation Method: Excavation ☒
(check all appropriate
sections)

Approx. Cubic Yard 267

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 SJ 29 -6 # 15-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 19 FEET

Sample date 10/25/97

Sample time 10:18

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

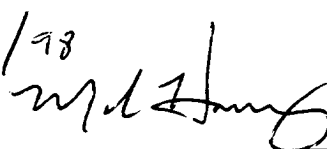
TPH (ppm) 14

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

Date: 10.23.97

86048

Weather OVERCAST COOL 70'S

Well Name SJ 29-6 #15 Operator PHILLIPS

Sec 2 T 29 R 6 UL K

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 ☐

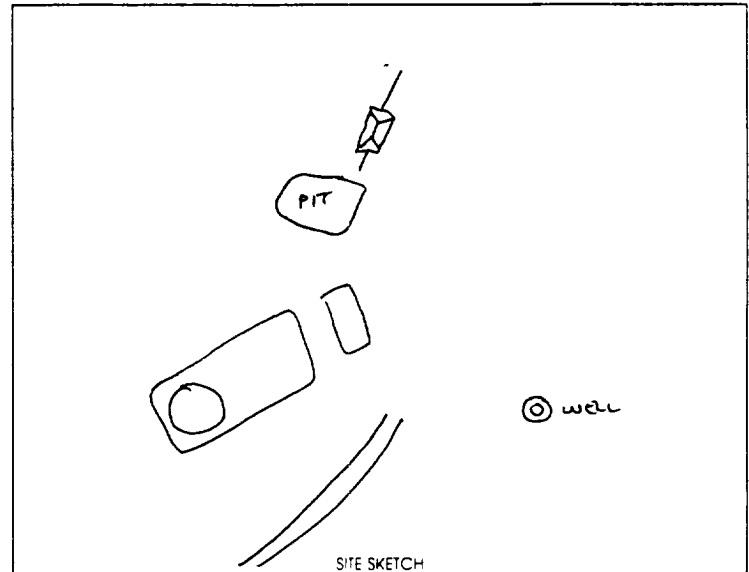
Distance from: 116

Direction: 20 Degrees ☒ E ☐ N ☒

of
W S

Starting Pit Dimensions 14 x 15 x 2

Final Pit Dimensions 20 x 19 x 19



Organic Vapor Readings: Start
@ 2'
@ 4'
@ 6'
@ 8'
@ 15'
@ 19'

Soil Description: ROCKY CLAY
 " "
 " "
 " "
 " "
 " "

Well Proximity To: Residence, Domestic Water Well, Stock Well > 1 MILE

Arroyo, Wash, Lake, Stream > 1 MILE

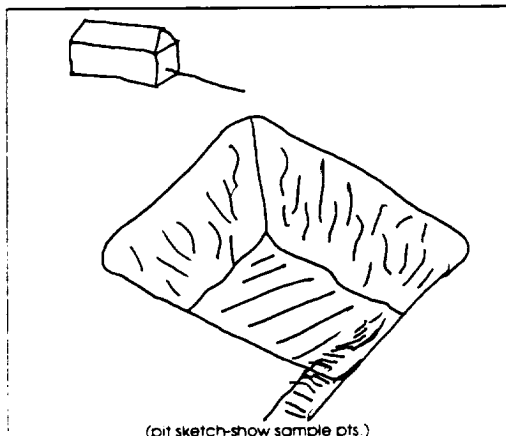
Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material

Samples collected: Type Progress: Verification: ID SJ 29-6 #15-V-EXWA-01 soil / water
Progress: Verification: ID SJ 29-6 #15-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 MODERATE ODOR AND SOME STAINING
- MATERIAL LANDFARMED ON SITE - EXCAVATED TO
EXTENT OF HOE - COULD NOT BENCH DUE TO PROXIMITY
OF EQUIPMENT AND LINES.

Soil Shipped to: ON SITE LANDFARM

Prepared by: Mark L. M-L



ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: October 25, 1997
Date Received: November 06, 1997

Contact: Mark Harvey
Date Extracted: November 07, 1997
Date Analyzed: November 07, 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
SJ 29-6 #15-V-EXWA-01/10:10

Lab Sample ID:
L31415-1

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	0.66
Total Xylene	0.10	14.
Total Petroleum Hydrocarbons	2.0	500.

% Moisture

9.0%

* All compounds are reported on a dry weight basis.

Released By: Diana Zulu

Laboratory Supervisor

Report Date: November 10, 1997



ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: October 25, 1997
Date Received: November 06, 1997

Contact: Mark Harvey
Date Extracted: November 07, 1997
Date Analyzed: November 07, 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
SJ 29-6 #15-V-EXFL-01/10:18

Lab Sample ID:
L31415-5

Analytical Results

BTX/TPH-E

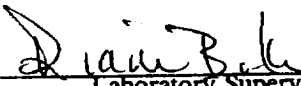
Units = mg/kg(ppm)

<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	14.

% Moisture

10.%

* All compounds are reported on a dry weight basis.

Released By: 
Laboratory Supervisor

Report Date: November 10, 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: 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:
SJ 29-6 #15-V-LF-01 @ 17:40/86048 19 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-17

Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

56.

% Moisture

15.%

* All compounds are reported on a dry weight basis.

Released By:


Laboratory Supervisor

Report Date: November 26, 1997

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LANOFARM