

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

Approved **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 32-7 #29 A (81756)
Location: Unit or Qtr/Qtr Sec A Sec 18 T 32 R 7 County San Juan
PitType Dehydrator
LandType: State

Pit Location: Pit dimensions: length 18 ft., width 16 ft., depth 9 ft.
(Attach diagram)

Reference: wellhead

Footage from reference: 53 ft.

Direction from reference: 270 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)			

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

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: 10/31/97

Date Completed: 10/31/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 96

(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 SJ 32-7 # 29 A-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 9 FEET

Sample date 10/31/97

Sample time 10:58

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

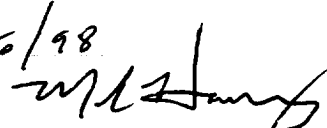
TPH (ppm) 4.7

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

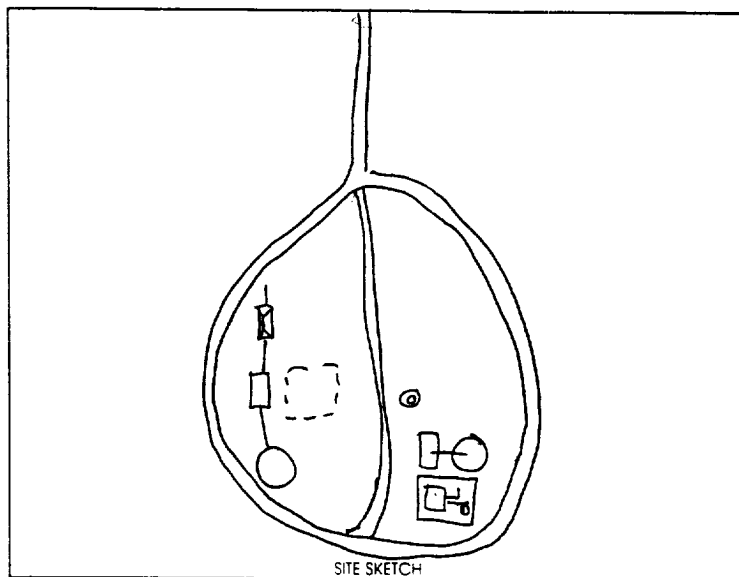


PRINTED NAME Mark Harvey for Williams Field Services
AND TITLE

81756

Line Marking Evident? Y N

Final Pit Dimensions 18 x 16 x 9



Start _____
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ 9' _____
 @ _____

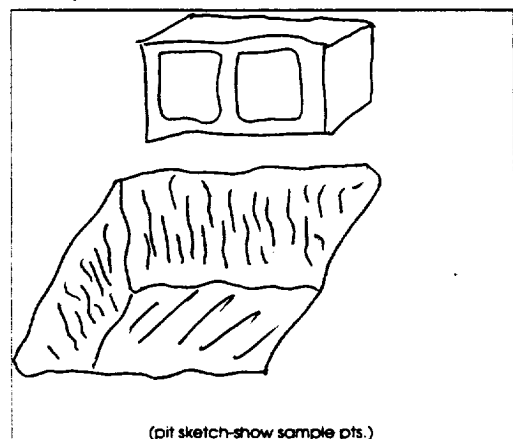
Soil Description: SILTY CLAY
" "
CLAY
" "
" "
" "

Estimated or Known Distance to Ground Water > 100'

Source of Backfill (if other than processed material) _____

ID soil / water

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



Comments: SITE HAD SLIGHT STAINING AND MINIMAL
ODOR ~ SOIL LAND FARMED ON SITE

Soil Shipped to: ON SITE LANDFARM

Prepared by: M. J. M.



ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: October 31, 1997
Date Received: November 06, 1997

Contact: Mark Harvey
Date Extracted: November 07, 1997
Date Analyzed: November 08, 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 32-7 #29A-V-EXWA-01/10:50

Lab Sample ID:
L31415-10

Analytical Results

Units = mg/kg(ppm)

BTX/TPH-E

Compound:

Reporting Limit:

Amount Detected:

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

10.0%

* All compounds are reported on a dry weight basis.

Released By:

Diane Baker
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: October 31, 1997
Date Received: November 06, 1997

Contact: Mark Harvey
Date Extracted: November 07, 1997
Date Analyzed: November 08, 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 32-7 #29A-V-EXFL-01/10:58

Lab Sample ID:
L31415-11

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	4.7

% Moisture

6.0%

* All compounds are reported on a dry weight basis.

Released By: Diana Beck
Laboratory Supervisor

Report Date: November 10, 1997

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AMERICAN
WEST
ANALYTICAL
LABORATORIES

ORGANIC ANALYSIS REPORT

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:
SI 32-7 #29A-V-LF-01 @ 10:43/81756 21 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-21

Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

< 2.0

463 West 3600 South
Salt Lake City, Utah
84115

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

% Moisture

8.0%

* All compounds are reported on a dry weight basis.

Released By: Dian Bala

Laboratory Supervisor

Report Date: November 26, 1997

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LANDFARM