

*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 30-5 # 7 MV ( 86848 )  
Location: Unit or Qtr/Qtr Sec M Sec 29 T 30 R 5 County Rio Arriba  
PitType Dehydrator  
LandType: State

Pit Location: Pit dimensions: length 13 ft., width 13 ft., depth 3 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 63 ft.

Direction from reference: 200 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 1 1998  
OIL CONSERVATION  
DIVISION

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: 10/23/97

Date Completed: 10/23/97

Remediation Method: Excavation ✓  
(check all appropriate  
sections)

Approx. Cubic Yard 19

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

Sample location SJ 30-5 # 7-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 3 FEET

Sample date 10/22/97

Sample time 18:30

Sample Result

Benzene (ppm) &lt;0.10

Total BTEX (ppm) &lt;0.40

Field Headspace (ppm)

TPH (ppm) &lt;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 PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

## 86848

Weather COOL 60'S PTLY CLDY

County ~~Blk~~ RIO ARriba

Q Y N

Y N

SIZE SKETCH

Estimated or Known Distance to Ground Water > 100

ID \_\_\_\_\_ soil / water

Prepared by: Mal L. N/d



## ORGANIC ANALYSIS REPORT

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

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 31, 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 30-5 #7-V-EXWA-01/86848/18:30

Lab Sample ID:  
L31287-13

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

---

% Moisture

11.%

\* 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: October 22, 1997  
Date Received: October 29, 1997

Contact: Mark Harvey  
Date Extracted: October 30, 1997  
Date Analyzed: October 31, 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 30-5 #7-V-EXFL-01/86848/18:30

Lab Sample ID:  
L31287-14

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

10.0%

\* 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

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 30-5 #7-V-LF-01 @ 15:48/86848 0 PPM  
JICARILLA PIT REMEDIATION

Lab Sample ID:  
L31589-9

### Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting  
Limit:

Amount  
Detected:

Total Petroleum Hydrocarbons

2.0

< 2.0

% Moisture

7.0%

\* All compounds are reported on a dry weight basis.

Released By Dan Bdk  
Laboratory Supervisor

Report Date: November 26, 1997

1 of 1

LANDFARM