

*Denny S. Fust*

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: Burlington Resources (Williams Field Services)

Telephone: (801) 584-6361

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

WellName: Bixler #1

( 85593 )

Location: Unit or Qtr/Qtr Sec E Sec 26 T 30 R 4 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 19 ft., width 16 ft., depth 15 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 120 ft.

Direction from reference: 260 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  
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) 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 169

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 BIXLER # 1-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 15 FEET

Sample date 10/15/97

Sample time 12:50

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 3/4/98

SIGNATURE



PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

## 85593

Weather SUNNY 70's

Date: 10.14.97

Well Name BIXLER #1 Operator BURLINGTON

Sec 26 T 30 R 4 UL E

County RIO ARRIBA

Land Type: BLM STATE FEE INDIAN

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

**Pit Location:**

Reference Wellhead X Other       

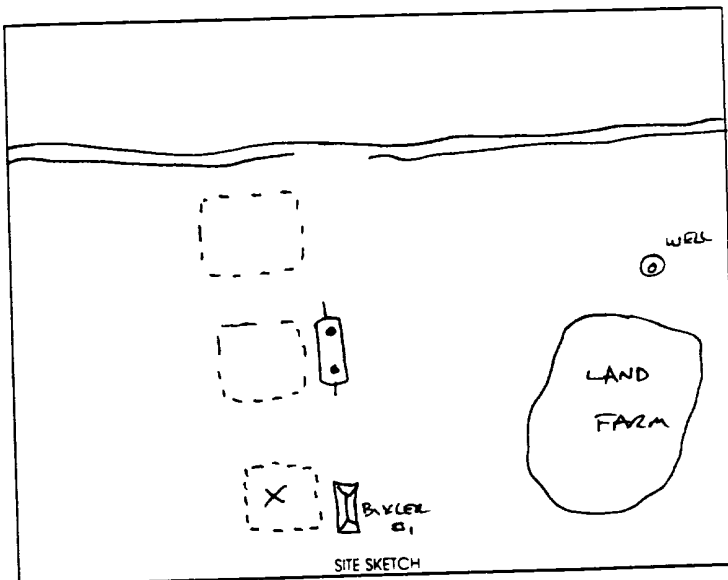
Distance from: 120'

Direction: 260° Degrees x E N x

W of S \_\_\_\_\_

Starting Pit Dimensions  $\frac{14}{\text{ft}}$  x  $\frac{14}{\text{ft}}$  x  $\frac{2}{\text{ft}}$

Final Pit Dimensions 19 X 16 X 15



**Organic Vapor Readings:** Start

Start \_\_\_\_\_  
 @ 2' \_\_\_\_\_  
 @ 4' \_\_\_\_\_  
 @ 6' \_\_\_\_\_  
 @ 8' \_\_\_\_\_  
 @ 16' \_\_\_\_\_  
 @ 15' \_\_\_\_\_

### Soil Description:

SILTY CLAY

44

4 11

61

1

if \_\_\_\_\_

CLAYSON

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:

Progress Verification:

Progress: Verification:

ID BIXLER #1.V.EXWA.01 soil water

ID BIXLER #1.V. EXFL. 01 soil water

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

Sample sent to Lab Via: Courier

Hand Carried    Other \_\_\_\_\_ Preservative: ICE    Other \_\_\_\_\_

Comments: SITE HAD MODERATE STAINING AND SLIGHT

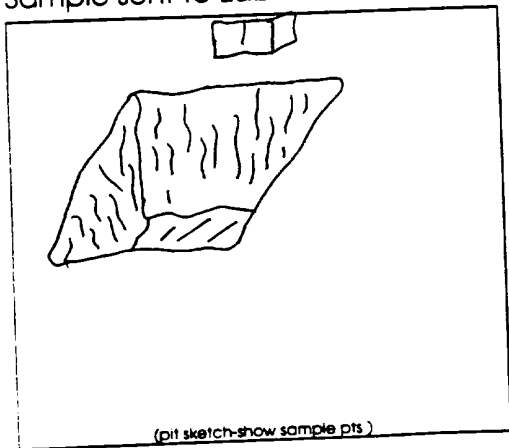
XYLENE ODOR ~ HIT CLAYSTONE FLOOR AT 15 FEET ~

SOIL LANDFARMED ON SITE - FLOOR SAMPLE COLLECTED

FROM FLOOR SCRAPINGS~

Soil Shipped to: ON SITE LANDFARM

Prepared by: Wartl & M.L.



(pit sketch-show sample pts)



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  
BIXLER #1-V-EXWA-01 @ 12:40/85593

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:  
L31227-7

### 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

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

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  
BIXLER #1-V-EXFL-01 @ 12:50/85593

Contact: Mark Harvey  
Date Extracted: October 23, 1997  
Date Analyzed: October 24, 1997

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

Lab Sample ID:  
L31227-8

### 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

12.%

\* 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

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

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:  
BIXLER #1-V-LF-01 @ 14:36/85593 13 PPM  
JICARILLA PIT REMEDIATION

Lab Sample ID:  
L31589-4

### Analytical Results

TPH-E

Units = mg/kg(ppm)

463 West 3600 South  
Salt Lake City, Utah  
84115

Compound:

Reporting  
Limit:

Amount  
Detected:

Total Petroleum Hydrocarbons

2.0

< 2.0

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

% Moisture

17.%

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

Released By: Diane Balch  
Laboratory Supervisor

Report Date: November 26, 1997

1 of 1

LAW OF FARM