

*Denny S. Faust*  
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: Phillips Petroleum (Williams Field Services)

Telephone: (801) 584-6361

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

WellName: SJ 30-5 # 13

( 71753 )

Location: Unit or Qtr/Qtr Sec B Sec 16 T 30 R 5 County Rio Arriba

PitType Dehydrator

LandType: State

Pit Location: Pit dimensions: length 18 ft., width 20 ft., depth 10 ft.  
(Attach diagram)

Reference: Wellhead

Footage from reference: 87 ft.

Direction from reference: 215 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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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: 10/16/97

Date Completed: 10/16/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 133

(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 30-5 # 13-V-EXFL-01

Closure Sampling:

Two samples were collected, one sample from the excavation bottom and the second sample was made up of 4 points from each excavation wall.

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

Sample depth 10 FEET

Sample date 10/18/97

Sample time 11:18

Sample Result

Benzene (ppm) &lt;0.10

Total BTEX (ppm) &lt;0.40

Field Headspace (ppm)

TPH (ppm) &lt;2.0

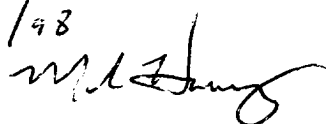
Ground Water Sample: 0

I HERBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 3/6/98

PRINTED NAME Mark Harvey for Williams Field Services  
AND TITLE

SIGNATURE



# PIT RETIREMENT FORM

71753

Weather ☒ SUNNY COOL 70's

Date: 10.16.97

Well Name SJ 30.5 #13 Operator PHILLIPS Sec 16 T 30 R 5 UL B

Land Type: BLM STATE FEE INDIAN County RIO ARriba

One Call Made (505-765-1234)? ☒ Y ☐ N

Line Marking Evident? ☒ Y ☐ N

## Pit Location:

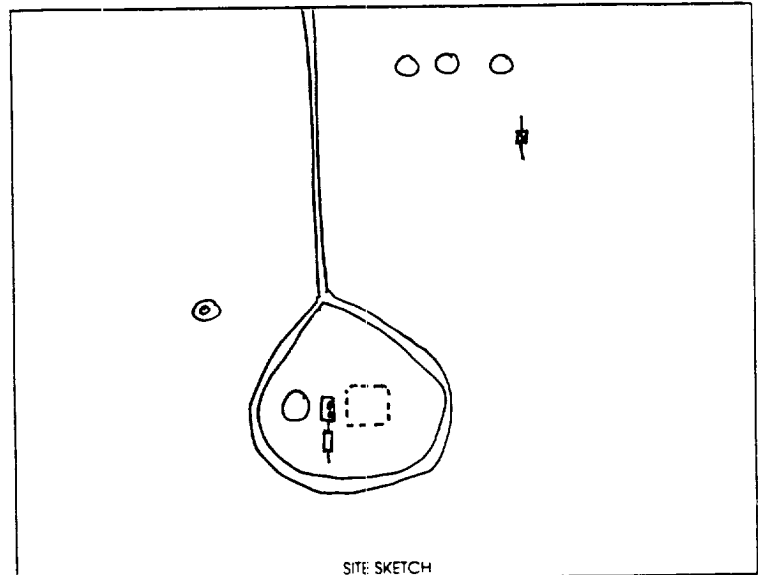
Reference Wellhead ☒ Other ☐

Distance from: 87

Direction: 215 Degrees ☒ E ☐ N ☒  
of  
W S

Starting Pit Dimensions 15 x 15 x 2

Final Pit Dimensions 18 x 20 x 10



SITE SKETCH

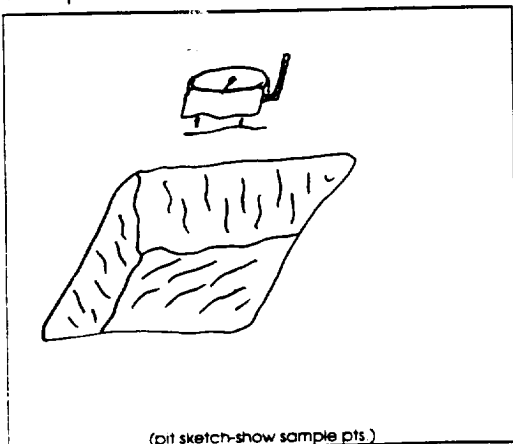
Organic Vapor Readings:	Start	Soil Description:	<u>SILTY CLAY</u>
@ 2'	<u>  </u>		<u>" "</u>
@ 4'	<u>  </u>		<u>" "</u>
@ 6'	<u>  </u>		<u>" "</u>
@ 8'	<u>  </u>		<u>" "</u>
@ 10'	<u>  </u>		<u>CLAYSTONE</u>
@	<u>  </u>		

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 ID SJ 30.5 #13.V.EXWA.01 soil / water  
Progress: Verification ID SJ 30.5 #13.V.EXFL.01 soil / water  
Progress: Verification: ID    soil / water

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



(pit sketch-show sample pts.)

Comments: SITE HAD LIGHT STAINING AND NO ODOR -  
SOIL EXCAVATED AND LANDFARMED ON SITE - HIT CLAYSTONE  
FLOOR AT 10' FEET - FLOOR SAMPLED FROM FLOOR SCRAPINGS

Soil Shipped to: ON SITE LANDFARM  
Prepared by: Wendy L. M.



## ORGANIC ANALYSIS REPORT

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Client: Williams Field Services  
Date Sampled: October 18, 1997  
Date Received: October 29, 1997

Contact: Mark Harvey  
Date Extracted: October 30, 1997  
Date Analyzed: October 30, 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 #13-V-EXWA-01/71753/11:10

Lab Sample ID:  
L31287-1

463 West 3600 South  
Salt Lake City, Utah  
84115

### Analytical Results

### BTX/TPH-E

Units = mg/kg(ppm)

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

4.0%

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

Released By:

Laboratory Supervisor

Report Date: November 03, 1997

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## ORGANIC ANALYSIS REPORT

AMERICAN  
WEST  
ANALYTICAL  
LABORATORIES

Client: Williams Field Services  
Date Sampled: October 18, 1997  
Date Received: October 29, 1997

Contact: Mark Harvey  
Date Extracted: October 30, 1997  
Date Analyzed: October 30, 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 #13-V-EXFL-01/71753/11:18

Lab Sample ID:  
L31287-2

463 West 3600 South  
Salt Lake City, Utah  
84115

### Analytical Results

**BTX/TPH-E**

Units = mg/kg(ppm)

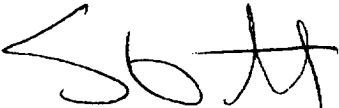
<u>Compound:</u>	<u>Reporting Limit:</u>	<u>Amount Detected:</u>
Benzene	0.10	< 0.10
Toluene	0.10	< 0.10
Ethylbenzene	0.10	< 0.10
Total Xylene	0.10	< 0.10
Total Petroleum Hydrocarbons	2.0	< 2.0

% Moisture

**4.0%**

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

Released By: \_\_\_\_\_

  
Laboratory Supervisor

Report Date: November 03, 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:  
SJ 30-5 #13-V-LF-01 @ 15:15/71753 32 PPM  
JICARILLA PIT REMEDIATION

Lab Sample ID:  
L31589-6

### Analytical Results

TPH-E

Units = mg/kg(ppm)

Compound:

Reporting  
Limit:

Amount  
Detected:

Total Petroleum Hydrocarbons

2.0

< 2.0

% Moisture

9.0%

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

Released By: Diane Bala

Laboratory Supervisor

Report Date: November 26, 1997

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LANDFARM