

Denny L. 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

Approved

Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361
Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900
WellName: SJ 30-4 # 20 (72318)
Location: Unit or Qtr/Qtr Sec O Sec 22 T 30 R 4 County Rio Arriba
PitType Dehydrator
LandType: State

Pit Location: Pit dimensions: length 20 ft., width 16 ft., depth 19 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 93 ft.

Direction from reference: 235 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 high water elevation of ground water) 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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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: 10/15/97

Date Completed: 10/15/97

Remediation Method: Excavation ☒

Approx. Cubic Yard 225

(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 30-4 # 20-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 10/15/97

Sample time 15:15

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

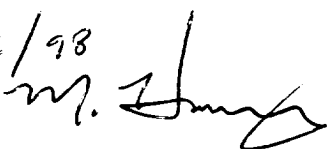
TPH (ppm) 13

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

PIT RETIREMENT FORM

72318

Weather SUNNY 70's

Date: 10.15.97

Well Name SJ 30-4 #20 Operator BURLINGTON

Sec 22 T 30 R 4 UL O

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)? (Y) N

Line Marking Evident? (Y) N

Pit Location:

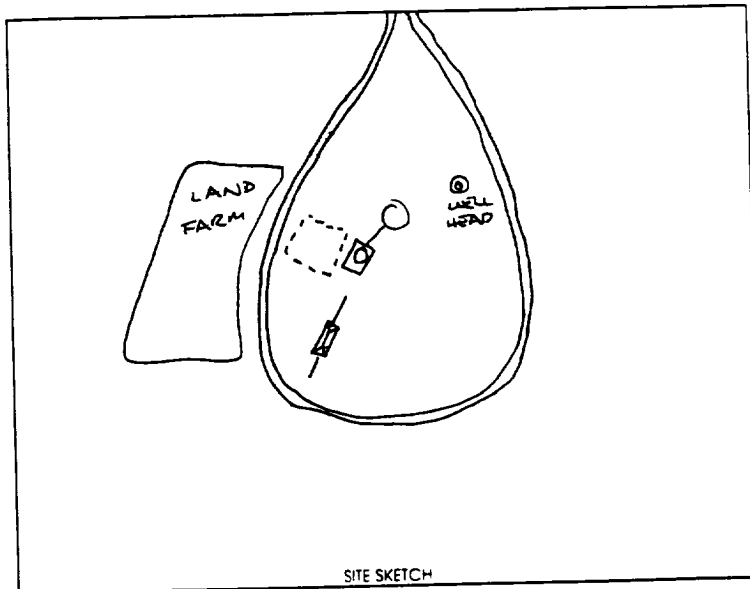
Reference Wellhead X Other _____

Distance from: 93

Direction: 235 Degrees X E N X
_____ of _____
_____ W S _____

Starting Pit Dimensions 14 X 14 X 1

Final Pit Dimensions 20 X 16 X 19



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

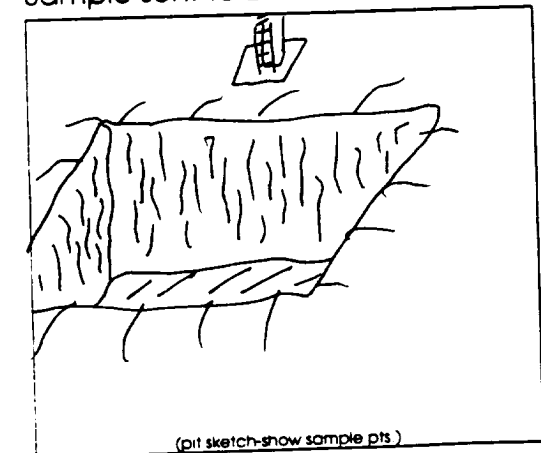
Soil Description: SILTY CLAY

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 30-4 #20.V.EXWA.01 soil / water
Progress: Verification ID SJ 30-4 #20.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 STAINING -
HIT CLAYSTONE AT 19' - SOIL LANDFARMED ON SITE -
LOCATION HAS TANK SET ON IT -

Soil Shipped to: ON SITE LANDFARM

Prepared by: Mark Z M



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

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 24, 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
SI 30-4 #20-V-EXWA-01 @ 15:04/72318

Lab Sample ID:
L31227-9

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	15.

% Moisture

8.0%

* 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

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Williams Field Services
Date Sampled: October 15, 1997
Date Received: October 23, 1997

Contact: Mark Harvey
Date Extracted: October 23, 1997
Date Analyzed: October 24, 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 30-4 #20-V-EXFL-01 @ 15:15/72318

Lab Sample ID:
L31227-10

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	13.

% 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

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 30-4 #20-V-LF-01 @ 14:40/72318 0 PPM
JICARILLA PIT REMEDIATION

Lab Sample ID:
L31589-5

Analytical Results

TPH-E

Units = -mg/kg(ppm)

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

10.

463 West 3600 South
Salt Lake City, Utah
84115

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

% Moisture

12.%

* All compounds are reported on a dry weight basis.

Released By: Diane Baker

Laboratory Supervisor

Report Date: November 26, 1997

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LANDFARM