

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 27-4 UNIT #6 (71568)
Location: Unit or Qtr/Qtr Sec M Sec 31 T 27N R 4W County Rio Arriba
PitType Dehydrator
LandType: FOREST

Pit Location: Pit dimensions: length 11 ft., width 11 ft., depth 2 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 78 ft.

Direction from reference: 240 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: Yes (20 points)
Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1,000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1,000 feet (0 points) 0
irrigation canals and ditches)

Ranking Score (TOTAL POINTS): 0

Date Remediation Started: 6/3/97

Date Completed: 6/3/97

Remediation Method: Excavation ✓

Approx. Cubic Yard

(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: No

Final Pit:

Sample location SJ 27-4 #6-V-EXWA-01

Closure Sampling:

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

*Encountered bedrock on floor. No floor sample collected.**One* sample was made up of 4 points from each excavation wall.

Sample depth 2 feet

Sample date 6/3/97

Sample time 16:40

Sample Result

Benzene (ppm) <0.10

Total BTEX (ppm) <0.40

Field Headspace (ppm)

TPH (ppm) <2.0

Ground Water Sample: No

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

PIT RETIREMENT FORM

FOREST

Date: 6.3.97

71568

Weather SUNNY 80's

Well Name SJ 27-4 #6 Operator BURLINGTON RESOURCES Sec 31 T 27 R 4 UL M

Land Type: BLM STATE FEE INDIAN FOREST County RIO ARriba

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

Line Marking Evident? (Y) N

Pit Location:

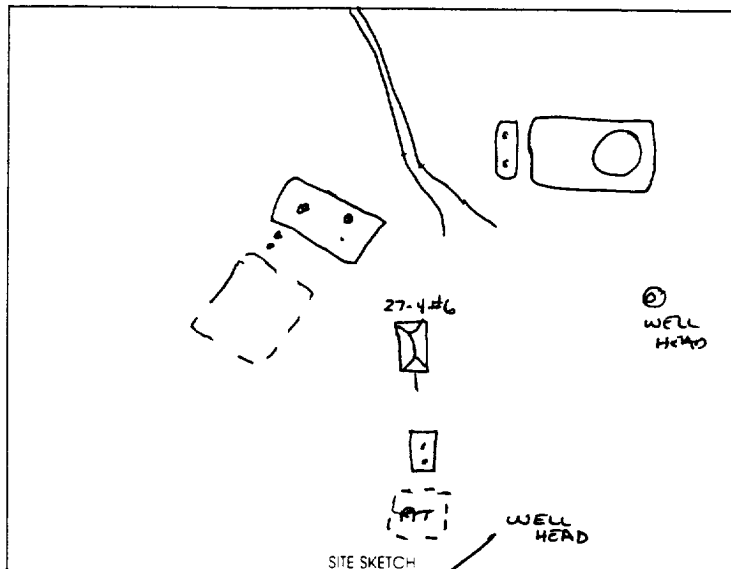
Reference Wellhead X Other _____

Distance from: XXX 78

Direction: 240 Degrees X E N X
of
_____ W _____ S _____

Starting Pit Dimensions 10 X 10 X 1

Final Pit Dimensions 11 X 11 X 2



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

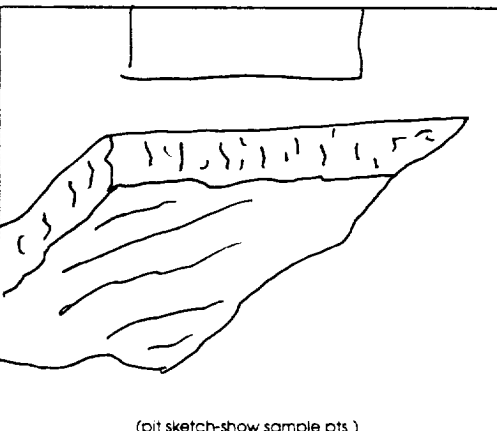
Soil Description: SANDY

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 27-4 #6-V-EX-01 soil / water
Progress: Verification: ID _____ soil / water
Progress: Verification: ID _____ soil / water

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



Comments: SITE LOCATED ON HONOLULU MESA - SITE
EXTREMELY SANDY - HIT SOLID BEDROCK AT 2 FEET -
NO STAINING OR ODOR PRESENT

Soil Shipped to: ON SITE LANDFARM

Prepared by: [Signature]



AMERICAN
WEST
ANALYTICAL
LABORATORIES

ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: June 03, 1997
Date Received: June 09, 1997

Contact: Mark Harvey
Date Extracted: June 10, 1997
Date Analyzed: June 11, 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 27-4 #6-V-EXWA-01 @ 16:40/71568

Lab Sample ID:
L29538-12

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

6.0%

* All compounds are reported on a dry weight basis.

Released By: _____

Diane Baker
Laboratory Supervisor

Report Date: June 13, 1997

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AMERICAN
WEST
ANALYTICAL
LABORATORIES

ORGANIC ANALYSIS REPORT

Client: Williams Field Services
Date Sampled: July 17, 1997
Date Received: July 21, 1997

Contact: Mark Harvey
Date Extracted: July 22, 1997
Date Analyzed: July 22, 1997

Analysis Requested:
Total Petroleum Hydrocarbons

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

Field Sample ID:
SJ 27-4 #6-V-LF-01/71568 OPPM/14:35
JICARILLA PIT REMEDIATION

Lab Sample ID:
L30031-7

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results Units = mg/kg(ppm)

TPH-E

Compound:

Reporting
Limit:

Amount
Detected:

Total Petroleum Hydrocarbons

2.0

6.2

% Moisture

13. %

* All compounds are reported on a dry weight basis.

Released By: Deane Baker

Laboratory Supervisor

Report Date: July 28, 1997

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LA-NO FARM