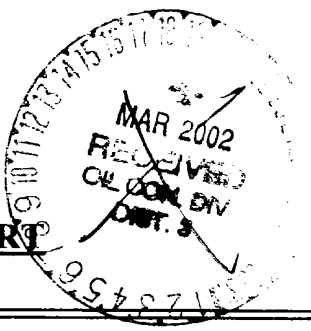
State of New Mexico
Energy, Minerals and Natural Resources Department

OK

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088



PIT REMEDIATION AND CLOSURE REPORT

Operator: Burlington Resources (Williams Field Services) Telephone: (801) 584-6361

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

WellName: SJ 27-5 UNIT #51 PC (72641)

Location: Unit or Qtr/Qtr Sec NE/SW Sec 28 T 27N R 5W County RIO ARRIBA

PitType Dehydrator

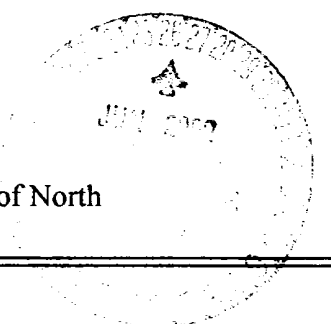
LandType: BLM

Pit Location: Pit dimensions: length 20 ft., width 18 ft., depth 15 ft.
(Attach diagram)

Reference: Wellhead

Footage from reference: 67 ft.

Direction from reference: 51 Degrees West 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)	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: 12/5/96 Date Completed:

Remediation Method: (check all appropriate sections) Excavation ☑ Approx. Cubic Yard 200

Landfarmed ☑ Insitu Bioremediation ☐

Other

Remediation Location: (ie. landfarmed onsite, name and location of offsite facility) Onsite ☑ Offsite

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

Sample location SJ 27-5 #51PM V-EX-01

Sample depth 15'

Sample date 12/9/96 Sample time 13:30

Sample Result

Benzene (ppm) <0.61

Total BTEX (ppm) 17.5

Field Headspace (ppm)

TPH (ppm) 2790

Ground Water Sample: No

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

DATE 12-28-01

SIGNATURE

PRINTED NAME AND TITLE Mark Harvey for Williams Field Services Project Coord.

72641

PIT RETIREMENT FORM

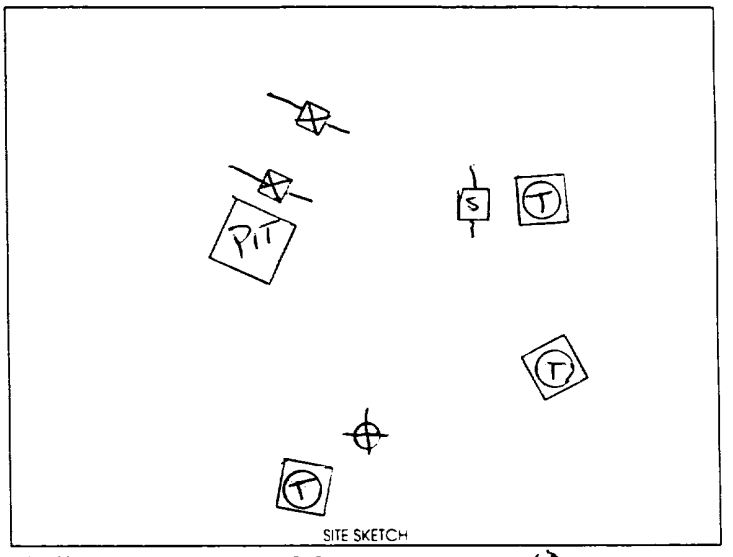
Date: 12-5-96 Weather _____

Well Name SJ 27-5 #51 PC Operator BURLINGTON RESOURCES Sec 28 T 27N R 5W UL 1660'S 1660'W

Land Type: BLM STATE FEE INDIAN County RIO ARRIBA

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

Line Marking Evident? (Y) N



SITE SKETCH

Pit Location:

Reference Wellhead X Other _____

Distance from: 67 feet

Direction: 51° Degrees ____ E N X of X W S ____

Starting Pit Dimensions 8 x 8 x 2

Final Pit Dimensions 20 x 18 x 15

Organic Vapor Readings: Start _____ Soil Description: LIGHT BROWN SAND

@ 2' _____ " "

@ 4' _____ " "

@ 6' _____ " "

@ 8' _____ " "

@ 10' _____ " "

@ 15' _____ " "

Well Proximity To: Residence, Domestic Water Well, Stock Well _____

Arroyo, Wash, Lake, Stream 500 feet NORTH TO WASH

Estimated or Known Distance to Ground Water >100 feet

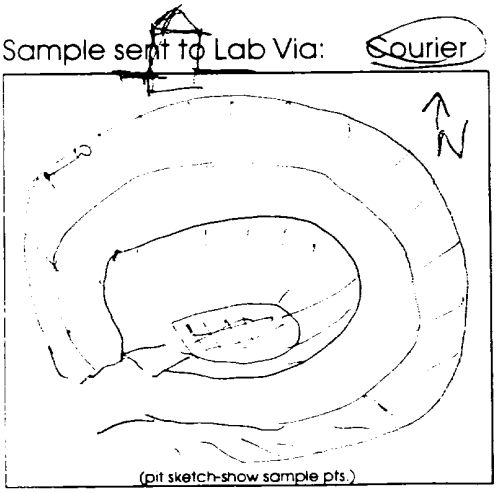
Source of Backfill (if other than processed material _____

Samples collected: Type Progress: Verification: ID _____ soil / water

Progress: Verification: ID _____ 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: EXCAVATE & LANDFARM HYDROCARBON IMPACTED SOIL — SAMPLE — PIT NOT CLOSE DUE TO WEATHER — ADVANCE SOIL PROBE TO DETERMINE VERTICAL EXTENT — CLEAN TO 10-11' BGS.

Soil Shipped to: _____

Prepared by: MH

ANAITAS

Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	12/16/96
Sample ID:	SJ 27-5 #51PM V-EX-01	Date Sampled:	12/09/96
Lab ID:	5914	Date Received:	12/09/96
Sample Matrix:	Soil	Date Extracted:	12/12/96
Preservative:	Cool	Date Analyzed:	12/13/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**17.5**	
Benzene	ND	0.61
Toluene	4.18	0.61
Ethylbenzene	0.81	1.21
m,p-Xylenes	9.39	0.61
o-Xylene	3.09	0.61
Total Recoverable Petroleum Hydrocarbons	**2,790**	**256**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	96	81 - 117%
	Bromofluorobenzene	107	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

Review

ANAITAS ENVIRONMENTAL LABS

Organic Analysis - Pit Closure

Williams Field Services

Project ID:	OCD Pits	Report Date:	12/30/96
Sample ID:	SJ 27-5 #51P[illegible] V-LF-01	Date Sampled:	12/09/96
Lab ID:	5915	Date Received:	12/09/96
Sample Matrix:	Soil	Date Extracted:	12/12/96
Preservative:	Cool	Date Analyzed:	12/13/96
Condition:	Intact		

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	**22.3**	
Benzene	ND	0.69
Toluene	4.08	0.69
Ethylbenzene	1.00	1.37
m,p-Xylenes	12.8	0.69
o-Xylene	4.40	0.69
Total Volatile Petroleum Hydrocarbons	**236**	**29.5**

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	97	81 - 117%
	Bromofluorobenzene	115	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste, SW-846, United States Environmental Protection Agency, September, 1986; Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

Review