State of New Mexico

Energy, Minerals and Natural Resources Department

DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

MAY 0 4 1998

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

SJ 27-5 UNIT #116

(87052)

WellName: Location:

Unit or Qtr/Qtr Sec A Sec 24 T 27N R 5W County Rio Arriba

PitType:

Dehydrator

LandType:

BLM

Pit Location: Pit dimensions: length 21 ft., width 18 ft., depth 10 ft.

(Attach diagram)

Reference: Wellhead

Footage from reference:

86 ft.

Direction from reference:

36 Degrees East of North

Depth To Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet 50 feet to 99 feet

(20 points) (10 points)

Greater than 100 feet (0 points) 10

JAN 2 3 1998

Wellhead Protection Area:

(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)

OUL CON. DIV.

Yes (20 points)

(10

No

(0 points)

DIST. 3

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

0

Ranking Score (TOTAL POINTS):

10

Date Remediation Started: 12/16/96 Date Completed: 12/20/96

Excavation ✓

Approx. Cubic Yard 140

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, mixed with fertilizer, and placed into an onsite landfarm. After remediation goals were confirmed, the soil was returned to the excavation.

Ground Water Encountered:

No

Final Pit:

Sample location SJ 27-4 #116 V-LF-01

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths) A composite sample, made up of 4 points from each excavation face, was collected..

Sample depth Up to 10 feet.

Sample date 12/17/96

Sample time 14:32

Sample Result

Benzene (ppm) <1.18

Total BTEX (ppm) <7.08

Field Headspace (ppm

TPH (ppm) 73.6

Ground Water Sample:

No

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

DATE 3/20/97

SIGNATURE WILLIAM FOR WES

PRINTED NAME MARK HARJEN AND TITLE PROJECT COORDINATOR

PIT RETIREMENT FORM

Date: 12/16/96	Weather	
Well Name ST 27-5 #116 Operator Byrilletol	Sec 24 T27 J R5W UL 1170'N	
Land Type: (ETM) STATE FEE INDIAN	County RIO ARRIBA 11703	
One Call Made (505-765-1234)?		
Line Marking Evident? Ø N	N 1 23	
Pit Location:	(0) (0)	
Reference Wellhead X Other		
Distance from: 8C. / Direction: 2C Degrees X E N X	PI	
of	₱ [BH]	
W S	(D)	
Starting Pit Dimensions <u>10' x 12' x 2'</u>		
Final Pit Dimensions 18' x 21' x 10'		
	SITE SKETCH	
Organic Vapor Readings: Start Soil Desc	cription: JETY CLAY by Small	
@ 4' ———————————————————————————————————	11 11 11	
@ 6′	11 11 11	
@ 8′	3443	
@ <u>12' \</u> @	Sindo	
Source of Backfill (if other than processed material _		
Samples collected: Type Progress: Verification: Progress: Verification: Progress: Verification:	ID <u>5277-5^HIIb V = LF-01</u> soll / water	
Sample sent to Lab Via: Courier Hand Carried O	ther Preservative: ICE Other	
MATERIAL 0-5' 2-6'- STAINING SLIGHT STAINING A	UP + BEGIN EXCAVATING — PREDOMINANTLY CLAY — STAINING + HYDROCARSON DOORS STRONG AT LON FLOOR DIMINISHES TO LT BROWN COLORGO SOND — REMAINS ON DEHY WALL — OTHER 3 WALL CLEAN— — ADD FERTILIZER—CEASE DIGGING @ 10' FAM PIT—	
Soil Shipped to: (pit sketch-show sample pts.) Soil Shipped to: Prepared by:	7. Hmg	



Organic Analysis - Pit Closure

Williams Field Services

Project ID: OCD Pits , Report Date: 12/18/96 Sample ID: SJ 27-5 #116 V-EX-01 Date Sampled: 12/17/96 Lab ID: 5999 Date Received: 12/17/96 Sample Matrix: Soil Date Extracted: 12/18/96 Preservative: Cool Date Analyzed: 12/18/96 Condition: Intact

Target Analyte		Concentration (mg/kg)	Detection Limit : (mg/kg)
Total Aromatic Hydrocarbo	ons	ND	
Benze	ne	ND	1.31
Toluen	ne	ND	1.31
Ethylbe	enzene	ND	1.31
m,p-Xy	rlenes	ND	2.62
o-Xylei	ne	ND	1.31
Total Recoverable Petrole	um Hydrocarbons	58.6	23.6

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Trifluorotoluene	99	81 - 117%
	Bromofluorobenzene	95	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:

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Organic Analysis - Pit Closure

Williams Field Services

Project ID: OCD Pits , Report Date: 12/18/96 Sample ID: SJ 27-4 #116 V-LF-01 Date Sampled: 12/17/96 Lab ID: 5995 Date Received: 12/17/96 Sample Matrix: Soil Date Extracted: 12/18/96 Preservative: Cool Date Analyzed: 12/18/96 Condition: Intact

Target Analyte		Concentration (mg/kg)	Detection Limit € (mg/kg)
Total Aromatic Hydrocarbons		ND	
Benzene		ND	1.18
Toluene		ND	1.18
Ethylbenze	ene	ND	1.18
m,p-Xylene	es	ND	2.37
o-Xylene		ND	1.18
Total Recoverable Petroleum i	Hydrocarbons	73.6	26.8

Quality Control:	<u>Surrogate</u>	Percent Recovery	Acceptance Limits
	Trifluorotoluene	104	81 - 117%
	Bromofluorobenzene	102	74 - 121%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;

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Comments:

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Review