State of New Mexico State of New Mexico

Newry &. Townergy, Minerals and Natural Resources Department

**DEPUTY OIL & GAS INSPECTOR** 

MAY 0 4 1998

### OIL CONSERVATION DIVISION

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

PIT REMEDIATION AND CLOSURE REPORT

Burlington Resources (Williams Field Services) Operator:

Telephone: (801) 584-6361

Address:

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

SJ 28-6 UNIT #105 WellName:

( 75071 )

Location:

Unit or Qtr/Qtr Sec N Sec 35 T 28N R 6W County Rio Arriba

PitType:

Dehydrator

LandType: BLM

Pit Location: Pit dimensions: length 17ft., width 14ft., depth 10ft.

(Attach diagram)

Reference: Wellhead

Footage from reference:

63 ft.

Direction from reference:

36 Degrees West of North

Depth To Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of

Less than 50 feet (20 points) 50 feet to 99 feet (10 points)

Greater than 100 feet (0 points) 10

ground water)

Wellhead Protection Area: OIL CON. DIV.

(Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) Yes No

(20 points)

(0 points)

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

0

Ranking Score (TOTAL POINTS):

10

Date Remediation Started: 12/4/96 Date Completed: 12/20/96

Excavation Approx. Cubic Yard 0

Landfarmed Insitu Bioremediation

Other Landfarmed soil after mechanical aeration.

Remediation Location: Onsite V 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:

#### Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths) Sample location SJ 28-6 #105 V-EX-01

A composite sample, made up of 4 points from each excavation face, was collected..

Sample depth Up to 10 feet.

Sample date 12/5/96 Sample time 14:00

Sample Result

Benzene (ppm) <0.79

Total BTEX (ppm) 37.9

Field Headspace (ppm

TPH (ppm) 179

Ground Water Sample: No

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

BEST OF MY KNOWLEDGE AND BELIEF

TE 3/20/97
PRINTED NAME MARK HANJEY
AND TITLE PROTECT COORDINATOR

# PIT RETIREMENT FORM

Date: 17 - 4 - 96	_	Wea	ther
Well Name 55 28-6 4/45 Or	perator <u>Burcington</u>	RESOURCES SEC 35	TZAN RUW UUGSON
Land Type: BLM STATE FEE	INDIAN		
One Call Made (505-765-1234)?	$\bigcirc$ N		
Line Marking Evident?	<b>⊘</b> , N		
·			
Pit Location:			
Pit Location:  Reference Wellhead X  Distance from: 63'  Direction: 3,0 Degrees	Other		
Distance from: 63		D	(u) FS
Direction: 3,0 Degrees	E N <u>_X</u>	-Dr	(AND)
	of	-151 (PIT)	FAR
	<u>X_</u> w s	(1)	
/	1 .1	I IA	
Starting Pit Dimensions	( <u>10'</u> x <u>1'</u>		φ.
Final Pit Dimensions	( <u>14<sup>1</sup> x 10</u>		$\Psi$
			SITE SKETCH
Organic Vapor Readings: Start _	Soil Desc	cription: <u>CRAY</u>	SANDY SILT
		17	11 1/
@ 6′		//	// //
			11 11
@ 			
<u> </u>	<del></del>	·	
Well Proximity To: Residence, D	omestic Water We	ell, Stock Well <u><i>Von</i></u>	15
Arroyo, Wash	, Lake, Stream	NOWE X	In Cart State
Estimated or	known Distance ic	Giouna Waler <del>22</del>	100 feet >50 feet
Source of Backfill (if other than pr	ocessed material		
			.,
	ogress: Verification	n: ID <u>5J28-6</u> 7	#105 U-EX-01 son / wate
	ogress: Verification	-	#105
Pr	rogress: Verification	1. ID	SOII / WOIE
Sample sent to Lab Via: Courier	Hand Carried C	Other Prese	ervative: <u>CE</u> Other
1.	Comments:	PEMOVED LINER-	FEXCHIAGED PAT-
N			- SHRFDDED EXCAVAGE
	MATERIAL U	V/ FERTILIBAL FER	TILIZER ADDED - PLACED
		YATEKIAL IN ON	
	AFTER MONE	FIRMATION, LANDE	ARM MATTERIAL WAS
H STATES OF THE	KATURNAD T	O FEXCAVATION )	48 BACKFILL
	······································		
	Soil Shipped to:	14 1.1	
	Soil Shipped to: Prepared by:	Ill. Alha.	
(pit sketch-show sample pts.)	. ,		



## Organic Analysis - Pit Closure

#### Williams Field Services

Project ID:

OCD Pits

Report Date:

12/13/96

Sample ID:

SJ 28-6 #105 V-EX-01

Date Sampled:

12/05/96

Lab ID:

5857

Date Received: Date Extracted:

12/06/96 12/11/96

Sample Matrix: Preservative:

Soil Cool

Date Analyzed:

12/11/96

Condition:

Intact

Target Analyte		Concentration (mg/kg)	Detection Limit ** (mg/kg)
Total Aromatic Hydrocarbons		37.9	
Benzene		ND	0.79
Toluene		5.14	0.79
Ethylbenzene		1.23	0.79
m,p-Xylenes		26.4	1.58
o-Xylene		5.12	0.79
Total Recoverable Petroleum Hydrocarbo	ns	179	24.7

Surrogate	Percent Recovery	Acceptance Limits
Trifluorotoluene	109	81 - 117%
Bromofluorobenzene	104	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



### **Organic Analysis - Pit Closure**

#### Williams Field Services

Project ID:	OCD Pits		Report Date:	12/13/96
Sample ID:	SJ 28-6 #105 V-LF-01		Date Sampled:	12/05/96
Lab ID:	5858		Date Received:	12/06/96
Sample Matrix:	Soil	•	Date Extracted:	12/11/96
Preservative:	Cool	<i>&gt;</i>	Date Analyzed:	12/11/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	44.0	
Benzene	ND	0.80
Toluene	2.83	0.80
Ethylbenzene	1.43	0.80
m,p-Xylenes	31.4	1.60
o-Xylene	8.41	0.80
Total Recoverable Petroleum Hydrocarbons	498	46.8

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
•	Trifluorotoluene	109	81 - 117%
	Bromofluorobenzene	118	74 - 121%

Reference:

Condition:

Intact

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.

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Comments:

Review