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The Tour S. Tourt

Of buty all & GAS INSPECTOR

trict III)0 Rio Brazos R**D Ezlac, NM** 8741098 State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Dugan Production) Telephone: 324-3764		
Address:	603 W. Elm Street Farmington, NM 87401		
Facility or We	ell Name: Witt #1 (Dugan)		
Location:	Unit N Sec 33 T 29N R 11W County	San Juan	
Pit Type:	Separator Other Drip		
Land Type:	BLM State Fee Other		
Pit Location:	Pit dimensions: length 25 width 25 depth	3 '	_
(Attach diagran	m) Reference: wellhead other		
	Footage from reference: 75'		
	Direction from reference: 60 Degrees East North	<u>¥</u>	
	of West South		
Depth to Grou	50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	20
seasonal high water eleva water	auon or ground		
Wellhead Prot	Yes	(20 points)	
(Less than 200 feet from a domestic water source, or feet from all other water s	r, less than 1,000	(0 points)	
Distance to Su	200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	10
(Horizontal distance to pe ponds, rivers, streams, cre canals and ditches	erennial lakes,		30

Date Remediation Started:	4/2	1/98	Date Comple	Date Completed:			
Remediation Method:	Excavation		Approx. Cubi	c Yard	215		
(Check all appropriate	Landfarmed	x	Amount Land	farmed (cubic y	ds) <u>215</u>		
sections)	Other						
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	X	Offsite				
Backfill Material Location:							
General Description of Remo	edial Action:						
Excavated contaminated soil 12". Soil was aerated by plow				nin a bermed are	ea at a depth of 6" to		
Ground Water Encountered	: No	<u> </u>	Yes	Depth			
Final Pit Closure Sampling:	Sample Location	n Bottom c	f excavation.				
(if multiple samples, attach sample result and diagram of	Sample depth	8'					
sample locations and depths.)	Sample date	4/20/98	Sample tir	ne	1:30:00 PM		
	Sample Results						
	Benzen	e (ppm) <	0.2500				
	Total B	TEX (ppm)	8.8500				
	Field hea	adspace (ppm)					
	TPH (ppm)	52.0	0 Method	8015			
Vertical Extent (ft)			Risk Analysis form attach	ned Yes _	No <u>✔</u>		
Ground Water Sample:	Yes	No	(If yes, see Summary F	attached Groun Report)	dwater Site		
I HEREBY CERTIFY THAT KNOWLEDGE AND MY BI		ATION ABOVE	E IS TRUE AND COMPLI	ЕТЕ ТО ТНЕ В	EST OF MY		
DATE July 27, 1998 SIGNATURE	Man.	est.	PRINTED NAM AND TITLE		c ental Technician III		

Witt #1 (Dugan)

Ltian:



vetion:

Hard Sandstone layer

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Apr-98

CLIENT:

PNM - Public Service Company of NM

Project:

Witt #1 (Dugan)

Lab Order:

9804031

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

Date: 29-Apr-98

ANALYTICAL REPORT

PNM - Public Service Company of NM

Work Order: 9804031

9804031-01A

Matrix: SOIL

Lab ID: Project:

Client:

Witt #1 (Dugan)

Client Sample Info: Witt #1 (Dugan)

Client Sample ID: 9804211330; Bottom

Collection Date: 4/20/98 1:30:00 PM

COC Record: 7114

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015		-		Analyst: HR	
T/R Hydrocarbons: C10-C28	52	25		mg/Kg	1	4/27/98
ВТЕХ	SW8020A				Analyst: DC	
Benzene	ND	250		µg/Kg	250	4/24/98
Toluene	910	500		μg/Kg	250	4/24/98
Ethylbenzene	1300	250		μg/Kg	250	4/24/98
m,p-Xylene	6100	500		μg/Kg	250	4/24/98
o-Xylene	540	250		μg/Kg	250	4/24/98
Surr: Fluorobenzene	99.1	70-130		%REC	250	4/24/98
Surr: 1,4-Difluorobenzene	98.8	70-130		%REC	250	4/24/98
Surr: 4-Bromochlorobenzene	99.2	70-130		%REC	250	4/24/98
	8850					
	8.850	~~~				

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

I of I



LAB: (505) 325-1556

Date: 29-Apr-98

ANALYTICAL REPORT

PNM - Public Service Company of NM

Work Order:

9804031

Lab ID:

Client:

9804031-02A

Matrix: SOIL

Project: Witt #1 (Dugan)

Client Sample Info: Witt #1 (Dugan)

Client Sample ID: 9804211335; Walls

Collection Date: 4/21/98 1:35:00 PM

COC Record: 7114

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	4/27/98
BTEX	SW8020A				Analyst: DC
Benzene	ND	1	μg/Kg	1	4/24/98
Toluene	ND	2	μ g /Kg	1	4/24/98
Ethylbenzene	ND	1	μg/Kg	1	4/24/98
m,p-Xylene	2.1	2	μg/Kg	1	4/24/98
o-Xylene	1.2	1	μ g /Kg	1	4/24/98
Surr: Fluorobenzene	105.7	70-130	%REC	1	4/24/98
Surr: 1,4-Difluorobenzene	106.2	70-130	%REC	1	4/24/98
Surr: 4-Bromochlorobenzene	111.2	70-130	%REC	1	4/24/98
	0~				

.0033 ppm

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

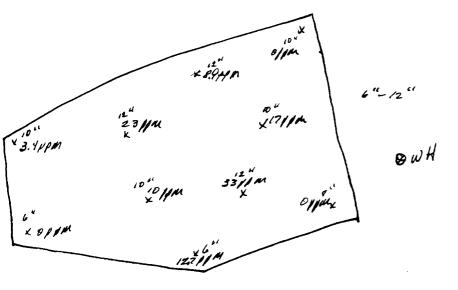
R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1

With 1 (W) 33-290-11W Dugan Jan Juan County Low Sample 9806040960 Field Mead space: 15 MM



ON SITE

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 08-Jun-98

CLIENT:

PNM - Public Service Company of NM

Project:

Landfarm Composites

Lab Order:

9806013

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

TECHNOLOGIES, LTD.

ANALYTICAL REPORT

Date: 08-Jun-98

Client:

PNM - Public Service Company of NM

Work Order:

9806013

Lab ID:

9806013-05A

Matrix: SOIL

Project: Lands

Landfarm Composites

Client Sample Info: Dugan Witt #1

Client Sample ID: 9806040950: Landfarm

Collection Date: 6/4/98 9:50:00 AM

COC Record: 5224

Parameter	Result	PQL	Qual (Jnits	DF	Date Analyzed	_
DIESEL RANGE ORGANICS	SW8015					Analyst: HR	
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/5/98	

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1