District I P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88221

District III 1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

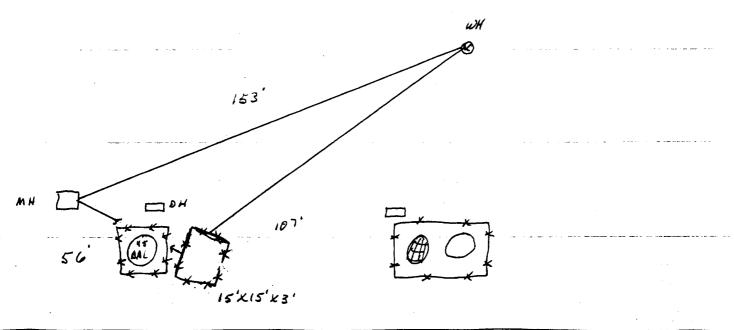
#### OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505 SUBMIT I COPY TO
APPROPRIATE
DISTRICT OFFICE
AND I COPY TO
SANTA FE OFFICE

## PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Burlington ) Telephone: 324-3764	
Address: 6	603 W. Elm Street Farmington, NM 87401	
Facility or Well	Il Name:Whitley #5	
Location:	Unit G Sec 8 T 27N R 9W County Sa	ın Juan
Pit Type:	Separator Dehydrator Other	
Land Type:	BLM State Fee Other	
Pit Location:	Pit dimensions: length 15 width 15 depth 3	3 '
(Attach diagram)	) Reference: wellhead other	
	Footage from reference: 107'	
	Direction from reference: 53 Degrees	——————————————————————————————————————
	of  West South	7
Depth to Groun		(20 points) (10 points)
(Vertical distance from cont seasonal high water elevatio water	Greater than 100 feet	( 0 points) 0
Wellhead Prote	ection Area: JAN 3 1 2000	
(Less than 200 feet from a p domestic water source, or, le feet from all other water sou	less than 1,000	(20 points) ( 0 points) 0
Dietomas to South	rface Water: Less than 200 feet	(20 maigra)
Distance to Surf (Horizontal distance to pere	200 feet to 1,000 feet rennial lakes. Greater than 1,000 feet	(20 points) (10 points) ( 0 points)0
ponds, rivers, streams, creek canals and ditches	RANKING SCORE (TOTAL POINTS):	0

Whitley #5			B ( B ) ( B )	
Date Remediation Started:	07/14	4/1999	Date Completed:	7/14/1999
Remediation Method:	Excavation	X	Approx. Cubic Yard	37
(Check all appropriate	Landfarmed	x	Amount Landfarmed (cubic	yds) <u>37</u>
sections)	Other			<u> </u>
Remediation Location:	Onsite	X	Offsite	
(i.e., landfarmed onsite, name and location of offsite facility)		·		
Backfill Material Location:				
General Description of Ren	nedial Action:			
			ndfarmed soil onsite within a bermed a	rea at a depth of 6" to
12". Soil was aerated by dis				
*** Sandstone encountered	at 4'. See attacl	ned risk analysis form		
Ground Water Encountere	ed: No	<u> </u>	Yes Depth	
Final Pit Closure Sampling:	Sample Loca	tion <u>5 pt. comp</u>	osite - bottom.	
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample dept	th <u>4'</u>		
запри посапона ана перина.)	Sample date	07/14/1999	Sample time	1:05:00 PM
	Sample Resu	ılts	•	
	Benz	zene (ppm)	0.68	
	Tota	d BTEX (ppm)	60.48 ***	
	Field	headspace (ppm)		
	TPH (ppm)	120.00	Method 8015E	3
Vertical Extent (ft)	· · · · · · · · · · · · · · · · · · ·		Risk Analysis form attached Yes	No
Ground Water Sample:	Yes _	No No	(If yes, see attached Gro Summary Report)	oundwater Site
I HEREBY CERTIFY THA KNOWLEDGE AND MY		RMATION ABOVE	IS TRUE AND COMPLETE TO THE	E BEST OF MY
DATE <b>January 24, 2</b> 4	/ λ	um	PRINTED NAME <b>Mauree</b> AND TITLE <b>Project</b>	n Gannon Manager



Excavation Sampling

21'(N+5)x12'(E+W)x 4'(D)

PID Leadings 3'- 886 ppm

4-12/4 PPM

worth wall sample

outwell sample at 4'-13.8 ppm

-astwall sample

5 point bottom composite sample at 4:- 1301 ppm

south wall saugh

not to seale



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

Hanks 12Y, Whitley 5 Drip & Whitley 5

Lab Order:

9907035

**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

## ANALYTICAL REPORT

Date: 30-Jul-99

Client:

PNM - Public Service Company of NM

Work Order:

Lab ID:

**Project:** 

9907035

Matrix: SOIL

9907035-04A

Hanks 12Y, Whitley 5 Drip & Whitley 5

Client Sample Info: Whitley 5

Client Sample ID: 9907141305; 5pt Bottom Comp

Collection Date: 7/14/99 1:05:00 PM

COC Record: 7649

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SI	V8015B			Analyst: DC
T/R Hydrocarbons: C10-C28	120	25	mg/Kg	1	7/28/99
AROMATIC VOLATILES BY GC/PID	SI	N8021B			Analyst: DC
Toluene	14000	5000	μg/Kg	2500	7/16/99
Ethylbenzene	2700	2500	μg/Kg	2500	7/16/99
m,p-Xylene	37000	5000	μg/Kg	2500	7/16/99
o-Xylene	6100	2500	μg/Kg	2500	7/16/99
AROMATIC VOLATILES BY GC/PID	SI	W8021B			Analyst: DM
Benzene	680	250	μ <b>g</b> /Kg	250	7/19/99
	60480				
	60.48		$\sim$		

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

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LAB: (505) 325-1556

#### ANALYTICAL REPORT

Date: 30-Jul-99

Client:

Lab ID:

Project:

PNM - Public Service Company of NM

Work Order:

9907035

9907035-05A

Matrix: SOIL

Hanks 12Y, Whitley 5 Drip & Whitley 5

Client Sample Info: Whitley 5

Client Sample ID: 9907141310; 4 Wall Comp

Collection Date: 7/14/99 1:10:00 PM

COC Record: 7649

Parameter	Result	PQL	Qual Units	DF	Date Analyzed	_
DIESEL RANGE ORGANICS		V8015B			Analyst: DC	
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	7/29/99	

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

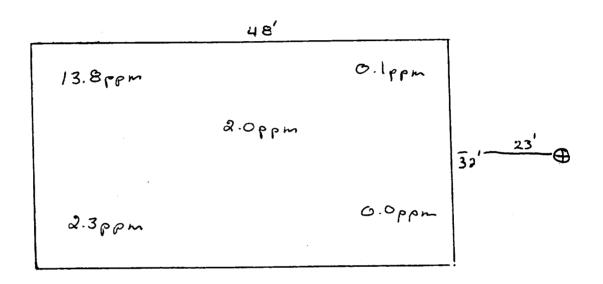
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Whitley #5 Sec-B T-27N R-9W ULG Burlington

Landfarm DRAWing

App 37.33 cu yds



3" to 12" Depth Headspace 3.7 ppm Sample # 9909010844



LAB: (505) 325-1556

## TECHNOLOGIES, LTD.

## On Site Technologies, LTD.

Date: 15-Sep-99

CLIENT:

PNM - Public Service Company of NM

Project:

Hanks & Whitley Landfarms

Lab Order:

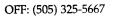
9909004

**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

## ANALYTICAL REPORT

Date: 15-Sep-99

Client:

PNM - Public Service Company of NM

Work Order:

9909004

9909004

9909004-03A

Matrix: SOIL

Lab ID: Project:

Hanks & Whitley Landfarms

Client Sample Info: Whitley #5 LF

Client Sample ID: 9909010844; 5pt Composite

Collection Date: 9/1/99 8:44:00 AM

COC Record: 7655

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SV	V8015B			Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	9/8/99

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

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Well Name:

Well Legals:

Pit Type:

Horizontal Distance to Surface Water:

Groundwater Depth:

Whitley #5
Sec 8, T27N, R9W, Unit G
Dehydrator
Greater than 1,000 feet
Greater than 100 feet

#### **RISK ANALYSIS**

PNM requests closure of their former pit on the Whitley #5 well site using a limited risk analysis based on the following conditions:

- 1. Groundwater is estimated to be at a depth of 393 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: Huerfanito Peak, NM series 7.5 minute topographic map.)
- 2. PNM excavated 37 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
- Sandstone was encountered at 4 feet below ground surface. Bedrock/sandstone
  provides a barrier between remaining contamination and groundwater. Vertical
  migration through bedrock or sandstone to groundwater is unlikely.
- 4. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes that their former pit on the Whitley #5 well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 1,000 pits.

District I P.O. Box 1980, Hobbs, NM

State of New Mexico Energy, Minerals and Natural Resources Department

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

District II P.O. Drawer DD, Artesia, NM 88221

# District III 1000 Rio Brazos Rd, Aztec, NM 87410

#### OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

# PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Ser	vices (Williams	) 1	elephone:	324-3764			
Address:	603 W. Elm Street	Farmington, NM	87401	· · · · · · · · · · · · · · · · · · ·				
Facility or We	ell Name: Whitley	#5 Drip						
Location:	Unit <u>G</u>	Sec _	<u>8</u> T	27 N R	9 W	County	San Juan	
Pit Type:	Separator	Dehyo	drator	Other		Line drip		
Land Type:	BLM <u>•</u>	State	Fee _	Other	-			
Pit Location:	Pit dimen	sions: length	15 '	width	15 '	depth	4	
(Attach diagrai	m) Reference	e: wellhead		other D	rip blowdov	wn riser val	ve.	
:	Footage fi	om reference:	4'					
	Direction	from reference: 9	0 Degrees	V	East	North	✓	<del>-</del>
					West	of South		
Depth to Gron (Vertical distance from seasonal high water elev	contaminants to			an 50 feet to 99 feet 1 100 feet			(20 points) (10 points) ( 0 points)	0
Wellhead Pro	tection Area:	DA JAN 3		Yes			(20 points)	
(Less than 200 feet from domestic water source, feet from all other water	or, less than 1,000	1100 1100 1100		No			( 0 points)	0
Distance to St (Horizontal distance to ponds, rivers, streams,		Management and the second	200 feet t	nan 200 feet o 1,000 feet n 1,000 feet			(20 points) (10 points) ( 0 points)	0
ponds, rivers, streams, of canals and ditches	orens, im <b>gation</b>		RANKI	NG SCORE	(TOTAL	L POINTS)	):	0

Whitley #5 Drip  Date Remediation Started:		Date Completed:
Remediation Method:	Excavation	Approx. Cubic Yard
(Check all appropriate	Landfarmed	Amount Landfarmed (cubic yds)
sections)	Other	
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite	Offsite
Backfill Material Location:		
General Description of Ren	nedial Action:	
No remedial action necessar	y. Lab results below O	CD/BLM standards.
Ground Water Encountere	d: No	Yes Depth
Final Pit Closure Sampling:	Sample Location	5 pt. composite - bottom.
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth	11'
sample locations and depuis.)	Sample date	07/14/1999 Sample time 11:55:00 AM
	Sample Results	• '
	Benzene (1	(ppm) < <u>0.001</u>
,	Total BTEX	X (ppm) < 0.007
	Field headsp	pace (ppm) 1.4
	TPH (ppm) <	25.00 Method 8015B
Vertical Extent (ft)		Risk Analysis form attached Yes No
Ground Water Sample:	Yes	No (If yes, see attached Groundwater Site Summary Report)
I HEREBY CERTIFY TH KNOWLEDGE AND MY		ION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY
DATE <b>January 24, 2</b> SIGNATURE <b>YAL</b>	ooo www.hnon	PRINTED NAME Maureen Gannon AND TITLE Project Manager

Whitley # 5 Drys (4) 8-27N-9W Road WF5 7-14-44@1115 90° E of N Field Headspace: 1.4 ppm



LAB: (505) 325-1556

## On Site Technologies, LTD.

Date: 30-Jul-99

**CLIENT:** 

PNM - Public Service Company of NM

Project:

Hanks 12Y, Whitley 5 Drip & Whitley 5

Lab Order:

9907035

**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

## ANALYTICAL REPORT

Date: 30-Jul-99

Client:

PNM - Public Service Company of NM

Work Order:

9907035

9907035-03A

Matrix: SOIL

Lab ID: Project:

Hanks 12Y, Whitley 5 Drip & Whitley 5

Client Sample Info: Whitley 5 Drip

Client Sample ID: 9907141155; 5pt Comp

Collection Date: 7/14/99 11:55:00 AM

COC Record: 7649

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SV	V8015B		•	Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	7/28/99
AROMATIC VOLATILES BY GC/PID	SV	V8021B			Analyst: DC
Benzene	ND	1	μg/Kg	1	7/16/99
Toluene	ND	2	μg/Kg	1	7/16/99
Ethylbenzene	ND	1	μg/Kg	1	7/16/99
m,p-Xylene	ND	2	μg/Kg	1	7/16/99
o-Xylene	ND	1	μg/Kg	1	7/16/99

Qualifiers:

PQL - Practical Quantitation Limit

S - Spike Recovery outside accepted recovery limits

ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

J - Analyte detected below Practical Quantitation Limit

E - Value above quantitation range

B - Analyte detected in the associated Method Blank

Surr: - Surrogate

1 of 1

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