District I P.O. Box 1980, Hobbs, NM State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

District III 1000 Rio Brazos Rd, Aztec, NM 87410

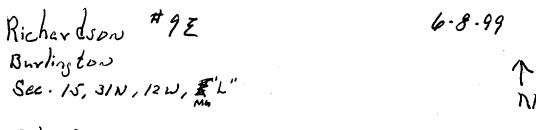
OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

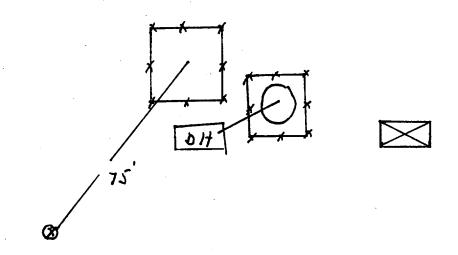
PIT REMEDIATION AND CLOSURE REPORT

Operator:	PNM Gas Services (Burlington) Telephone: 324-3764					
Address:	603 W. Elm Street Farmington, NM 874	01					
Facility or Well Name: Richardson #9E							
Location:	Unit L Sec 1	5 T 31N R 12W County	San Juan				
Pit Type:	Separator Dehydrato	or 🔽 Other					
Land Type:	BLM State	Fee Other					
Pit Location:	Pit dimensions: length	20 width 20 dept	h <u>3</u> '				
(Attach diagra	m) Reference: wellhead 🔽	other					
	Footage from reference: 7	5'	·				
	Direction from reference: 45	Degrees East Nor	th 🔽				
		of West Sou	th 🔲				
Depth to Gro (Vertical distance from seasonal high water elements)	contaminants to vation of ground	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points) 0				
Wellhead Pro (Less than 200 feet from domestic water source, feet from all other water	n a private or, less than 1,000	O Yes No	(20 points) (0 points) 0				
Distance to Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches		Less than 200 feet 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points) 0				
		RANKING SCORE (TOTAL POINT	S): 0				

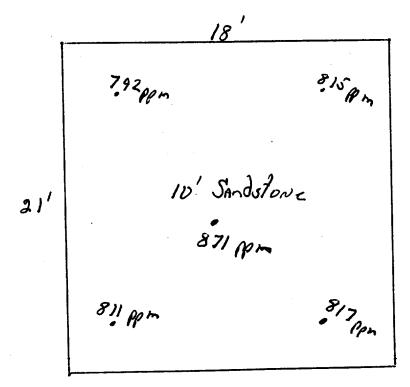
Richardson #9E								
Date Remediation Started:	06/08/1999		Date Completed: 06/08/1999					
Remediation Method:	Excavation x		Approx. Cubic Yar	d140				
(Check all appropriate	Landfarmed X		Amount Landfarme	ed (cubic yds) 100				
sections)	Other 40 cu yds overb	ourden.						
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	·	Offsite					
Backfill Material Location:								
General Description of Rem	nedial Action:							
Excavated contaminated soil to 12". Soil was aerated by d	to a pit size of 18' X 21' X	(10' and landfarm		bermed area at a depth of 6"				
O 12 . Oon was acrated by the	ISKING/DIOWING CITCH SOIL TH	et requiatory levels						
Ground Water Encountered	i: No 🔽	Yes	Ū	Depth				
Final Pit Closure Sampling:	Sample Location 5	pt composite-bott	om					
(if multiple samples, attach sample result and diagram of	Sample depth 10	0'						
sample locations and depths.)	Sample date06/0	8/1999	Sample time	8:05:00 AM				
	Sample Results							
	Benzene (ppm) <0.5						
,	Total BTEX (p	opm)3	6.35					
·	Field headspace	(ppm)						
	TPH (ppm)	88.00	Method	8015B				
Vertical Extent (ft)		Risk Ana	lysis form attached	Yes No				
Ground Water Sample:	Yes	No 🔽	(If yes, see attac Summary Repo	ched Groundwater Site rt)				
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF								
DATE January 24, 2000 PRINTED NAME Maureen Gannon AND TITLE Project Manager								



Site Diagrem:



End of excavation:



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

PNM Pit Remediation

Lab Order:

9906025

CASE NARRATIVE

Date: 21-Jun-99

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.

6C

OFF: (505) 325-5667 TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9906025

9906025-01A

Matrix: SOIL

Lab ID: Project:

PNM Pit Remediation

Client Sample Info: Richardson #9E

Client Sample ID: 9906080805; 10ft.

Collection Date: 6/8/99 8:05:00 AM

COC Record: 7606

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015B			Analyst: DC	
T/R Hydrocarbons: C10-C28	88	25	mg/Kg	1	6/16/99
ROMATIC VOLATILES BY GC/PID	SW8021B				Analyst: DC
Benzene	ND	500	μ g /Kg	500	6/10/99
Toluene	ND	1000	μ g /Kg	500	6/10/99
Ethylbenzene	2500	500	μg/Kg	500	6/10/99
m,p-Xylene	33000	1000	μ g /Kg	500	6/10/99
o-Xylene	850	500	μ g /Kg	500	6/10/99

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



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 21-Jun-99

Client:

PNM - Public Service Company of NM

Work Order:

9906025

9906025-02A

Matrix: SOIL

Client Sample ID: 9906080810; 6ft. Collection Date: 6/8/99 8:10:00 AM

Lab ID: Project:

PNM Pit Remediation

COC Record: 7606

Client Sample Info: Richardson #9E

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	SW8015B ND 25 mg/Kg			1	Analyst: DC 6/14/99

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

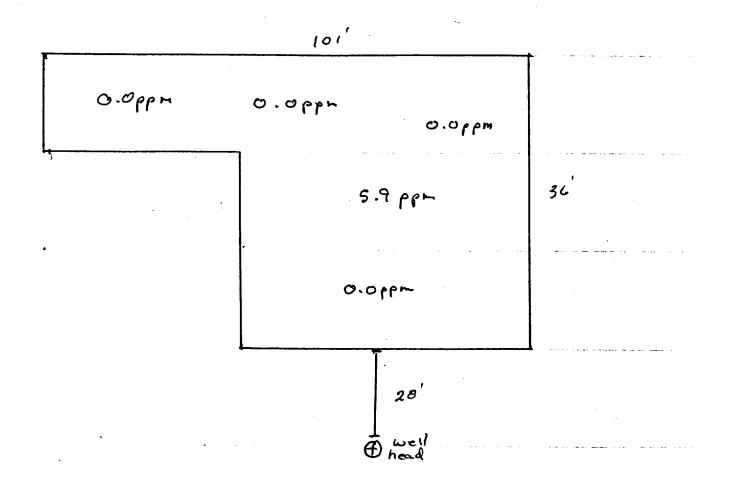
Surr: - Surrogate

1 of 1

Richardson TE
See-15 T-31N R-DW UL- EL
Burlington

Landfarm DRAWing

App 100 cu. yds



2" to 12" Depth Headspace 23.0 ppm Sample # 9907130920



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project:

PNM Pit Remediation Landfarms

Lab Order:

9907030

CASE NARRATIVE

Date: 28-Jul-99

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: 28-Jul-99

Client:

PNM - Public Service Company of NM

Work Order:

9907030

990

9907030-10A M

Matrix: SOIL

Lab ID: Project:

PNM Pit Remediation Landfarms

Client Sample Info: Richardson 9E LF

Client Sample ID: 9907130920; 5pt. Comp

Collection Date: 7/13/99 9:20:00 AM

COC Record: 7489

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	-	V8015B		4	Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25	mg/Kg	1	7/26/99

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