

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

RISK
Vertical
Extent
41 feet

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
NOV - 1 1999

OIL CORREL. DIV.
DIST. 3

Operator: PNM Gas Services (Williams)		Telephone: 324-3764										
Address: 603 W. Elm Street Farmington, NM 87401												
Facility or Well Name: Decker A #3 Drip												
Location:	Unit B	Sec 3	T 31 N R 12 W County San Juan									
Pit Type:	Separator ☐	Dehydrator ☐	Other Drip									
Land Type:	BLM ☒	State ☐	Fee ☐ Other									
Pit Location:	Pit dimensions:	length 20 '	width 20 ' depth 3 '									
(Attach diagram)	Reference:	wellhead ☒	other									
	Footage from reference:	155'										
	Direction from reference:	80 Degrees	☒ East North ☐ of ☐ West South ☒									
Depth to Ground Water:	<table border="0"><tr><td>Less than 50 feet</td><td>(20 points)</td><td></td></tr><tr><td>50 feet to 99 feet</td><td>(10 points)</td><td></td></tr><tr><td>Greater than 100 feet</td><td>(0 points)</td><td>0</td></tr></table>			Less than 50 feet	(20 points)		50 feet to 99 feet	(10 points)		Greater than 100 feet	(0 points)	0
Less than 50 feet	(20 points)											
50 feet to 99 feet	(10 points)											
Greater than 100 feet	(0 points)	0										
(Vertical distance from contaminants to seasonal high water elevation of ground water)												
Wellhead Protection Area:	<table border="0"><tr><td>Yes</td><td>(20 points)</td><td></td></tr><tr><td>No</td><td>(0 points)</td><td>0</td></tr></table>			Yes	(20 points)		No	(0 points)	0			
Yes	(20 points)											
No	(0 points)	0										
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)												
Distance to Surface Water:	<table border="0"><tr><td>Less than 200 feet</td><td>(20 points)</td><td></td></tr><tr><td>200 feet to 1,000 feet</td><td>(10 points)</td><td></td></tr><tr><td>Greater than 1,000 feet</td><td>(0 points)</td><td>0</td></tr></table>			Less than 200 feet	(20 points)		200 feet to 1,000 feet	(10 points)		Greater than 1,000 feet	(0 points)	0
Less than 200 feet	(20 points)											
200 feet to 1,000 feet	(10 points)											
Greater than 1,000 feet	(0 points)	0										
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)												
RANKING SCORE (TOTAL POINTS) :			0									

Decker A #3 Drip

Date Remediation Started: 04/12/1999

Date Completed: 04/12/1999

Remediation Method: Excavation ☒

Approx. Cubic Yard 327

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 251

Other 76 cu. yds. overburden

Remediation Location: Onsite ☒

Offsite

(i.e., landfarmed onsite, name and location of offsite facility)

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 21' X 21' X 20' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking/plowing until soil met regulatory levels.

*** Vertical extent drilling conducted to 41'. Bottom hole results below OCD guidelines as indicated on attached lab analysis.

Ground Water Encountered:

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 20'

Sample date 04/12/1999

Sample time 3:15:00 PM

Sample Results

Benzene (ppm) < 5

Total BTEX (ppm) 237 ***

Field headspace (ppm)

TPH (ppm) 290.00

Method 8015B

Vertical Extent (ft) 41'

Risk Analysis form attached Yes ☐ No ☒

Ground Water Sample:

Yes



No



(If yes, see attached Groundwater Site Summary Report)

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

DATE October 28, 1999

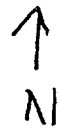
SIGNATURE

Maureen Gannon

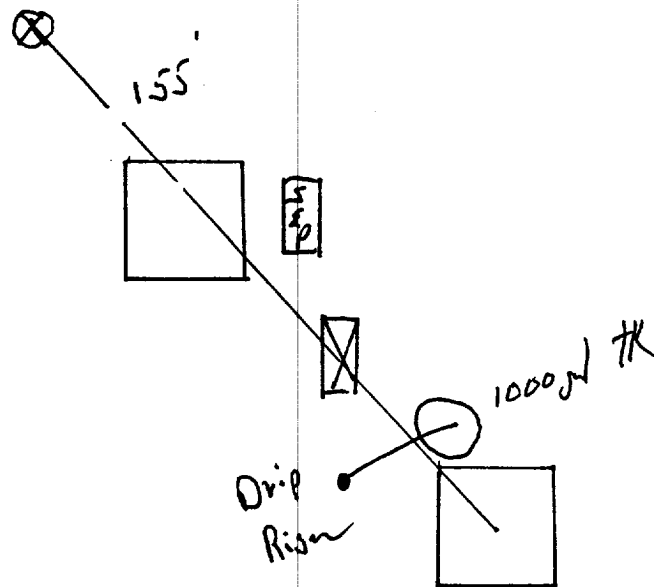
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Decker A#3 Drip
WFS
Sec. 3, 31N, 12W, B

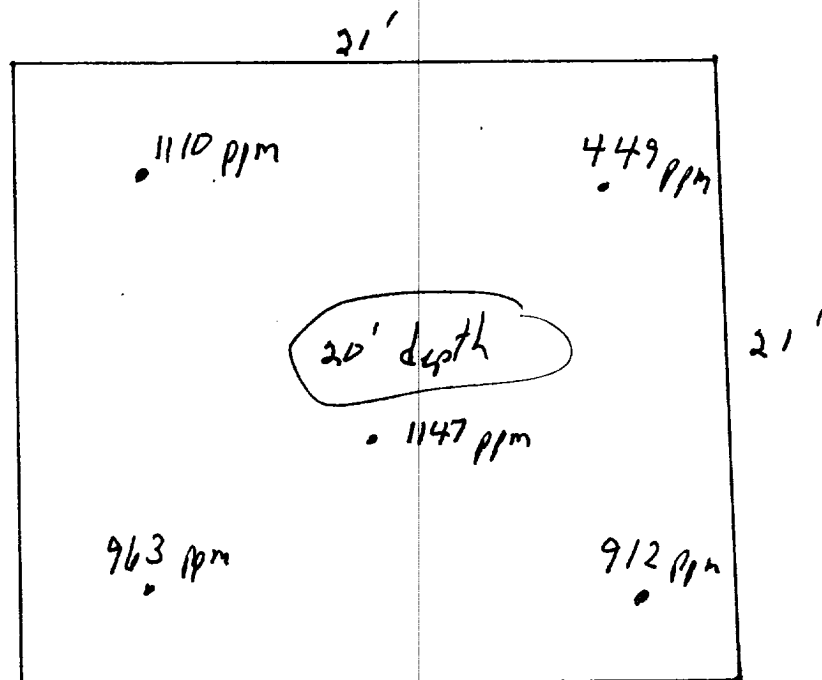
4/12/99



Site drawing:



End of Excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 22-Apr-99

CLIENT: PNM - Public Service Company of NM
Project: Decker A#3 Drip
Lab Order: 9904011

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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Apr-99

Client: PNM - Public Service Company of NM
Work Order: 9904011
Lab ID: 9904011-01A **Matrix:** SOIL
Project: Decker A#3 Drip

Client Sample Info: Decker A#3 Drip
Client Sample ID: 9904121515; Bottom @ 20ft. - 5 pt Composite
Collection Date: 4/12/99 3:15:00 PM
COC Record: 7556

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	290	25		mg/Kg	1	4/15/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	5000		µg/Kg	5000	4/15/99
Toluene	57000	10000		µg/Kg	5000	4/15/99
Ethylbenzene	17000	5000		µg/Kg	5000	4/15/99
m,p-Xylene	140000	10000		µg/Kg	5000	4/15/99
o-Xylene	23000	5000		µg/Kg	5000	4/15/99

237000
 237 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

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT**Date:** 22-Apr-99

Client: PNM - Public Service Company of NM
Work Order: 9904011
Lab ID: 9904011-02A **Matrix:** SOIL
Project: Decker A#3 Drip

Client Sample Info: Decker A#3 Drip
Client Sample ID: 9904121520; Walls @ 15ft.
Collection Date: 4/12/99 3:20:00 PM
COC Record: 7556

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/19/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	4/15/99
Toluene	ND	2		µg/Kg	1	4/15/99
Ethylbenzene	1.2	1		µg/Kg	1	4/15/99
m,p-Xylene	ND	2		µg/Kg	1	4/15/99
o-Xylene	3.3	1		µg/Kg	1	4/15/99

4.5
 .0045 ppm

Qualifiers: PQL - Practical Quantitation Limit
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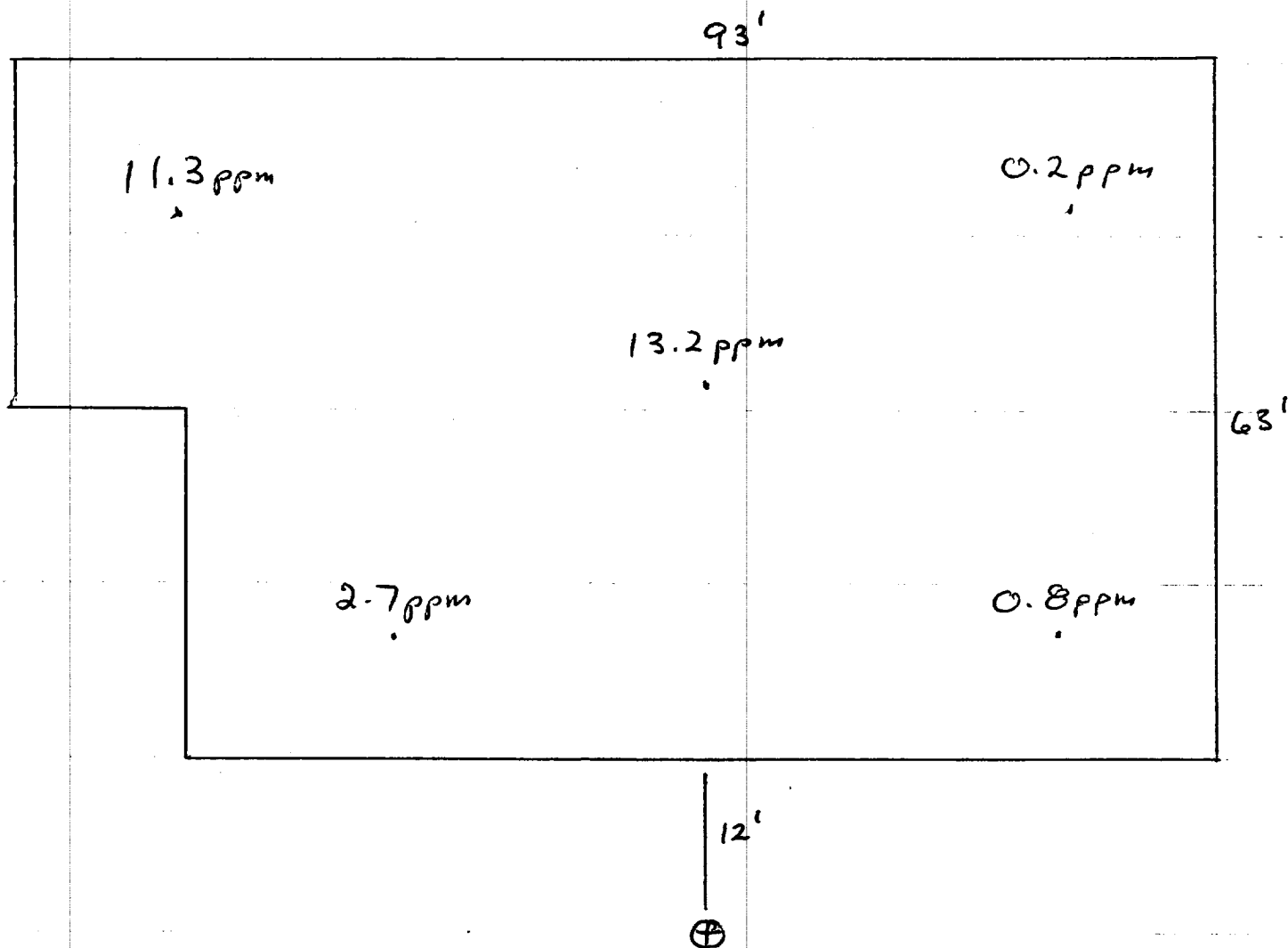
1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Sec-3 T-31N R-12W 4L-B
WFS

Land farm Drawing on Decker A#3
Sec-3 T-31N R-12W 4L-B
on location App 326 cu. yds



2" to 12" Depth
Headspace 56.4 ppm
Sample # 9906020759

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Apr-99

Client: PNM - Public Service Company of NM
Work Order: 9904011
Lab ID: 9904011-02A **Matrix:** SOIL
Project: Decker A#3 Drip

Client Sample Info: Decker A#3 Drip
Client Sample ID: 9904121520; Walls @ 15ft.
Collection Date: 4/12/99 3:20:00 PM
COC Record: 7556

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/19/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	1		µg/Kg	1	4/15/99
Toluene	ND	2		µg/Kg	1	4/15/99
Ethylbenzene	1.2	1		µg/Kg	1	4/15/99
m,p-Xylene	ND	2		µg/Kg	1	4/15/99
o-Xylene	3.3	1		µg/Kg	1	4/15/99

4.5
 .0045 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

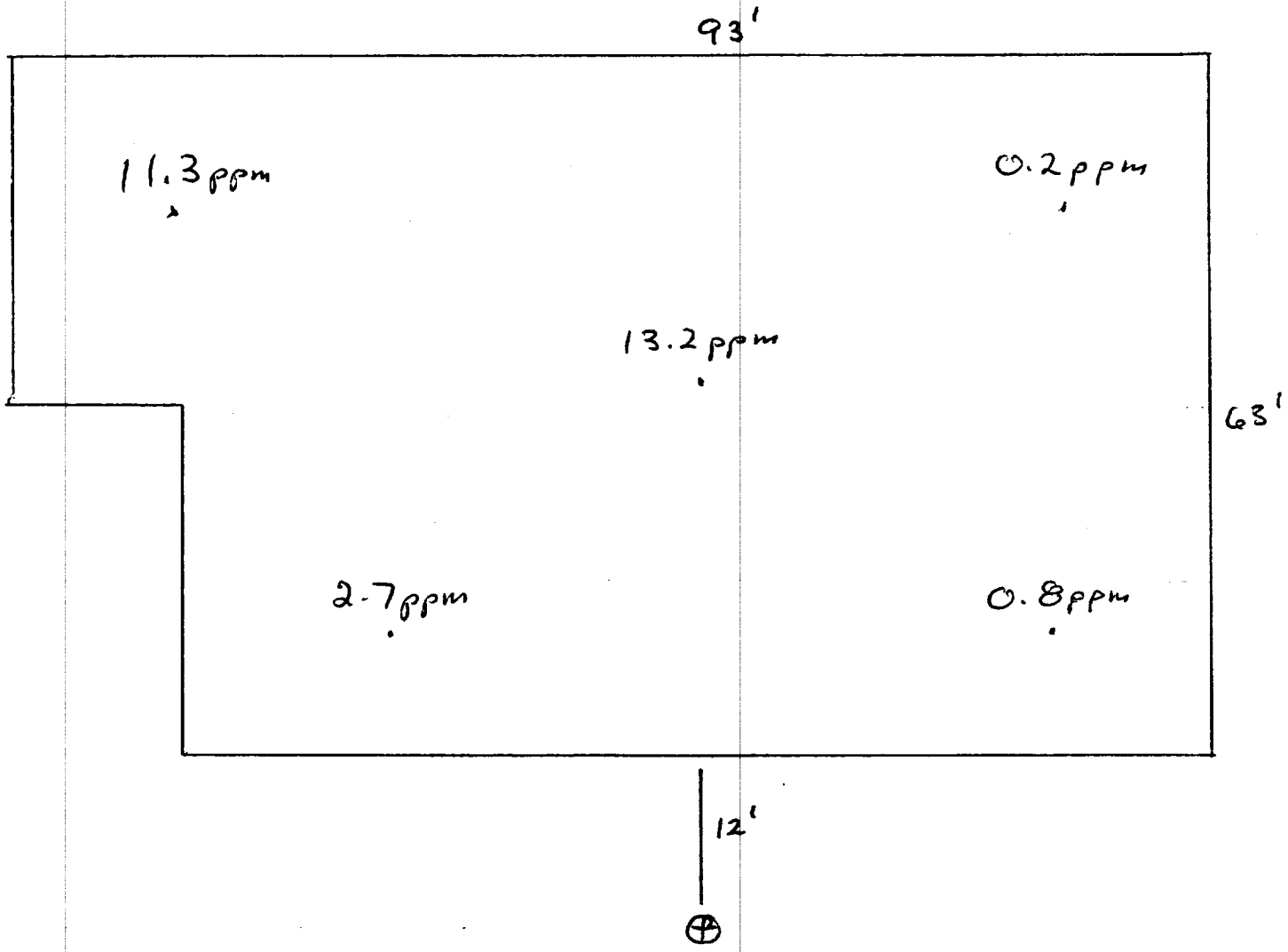
S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 Surr: - Surrogate

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Sec-3 T-31N R-12W 4L-B
WFS

Land farm Drawing on Decker A#3
Sec-3 T-31N R-12W 4L B
on location App 326 cu. yds



2" to 12" Depth
Headspace 56.4 ppm
Sample # 9906020759

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 14-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9906005

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.

RB

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client: PNM - Public Service Company of NM
Work Order: 9906005
Lab ID: 9906005-01A **Matrix:** SOIL
Project: PNM Pit Remediation Landfarms

Client Sample Info: Decker A#3 Drip LF
Client Sample ID: 9906020759; 5pt. Comp
Collection Date: 6/2/99 7:59:00 AM
COC Record: 7713

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/4/99

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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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Sep-99

CLIENT: PNM - Public Service Company of NM
Project: Vertical Extent Drilling
Lab Order: 9909034

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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Sep-99

Client: PNM - Public Service Company of NM
Work Order: 9909034
Lab ID: 9909034-01A **Matrix:** SOIL
Project: Vertical Extent Drilling

Client Sample Info: Decker A#3 Drip @ 41ft.
Client Sample ID: 9909090910; Vertical Extent
Collection Date: 09/09/1999 9:10:00 AM
COC Record: 7759

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	09/23/1999
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DM
Benzene	ND	1		µg/Kg	1	09/15/1999
Toluene	ND	2		µg/Kg	1	09/15/1999
Ethylbenzene	ND	1		µg/Kg	1	09/15/1999
m,p-Xylene	4.7	2		µg/Kg	1	09/15/1999
o-Xylene	ND	1		µg/Kg	1	09/15/1999

4.7
 .0047 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

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole #

1

Well #

Page

1 of 2

Project Name

PNM VERTICAL EXTENT

Project Number

62X00044

Phase

6001

Project Location

DEERER A-3 DRIP

Elevation

Borehole Location

T31N R12W S3 B

GWL Depth

NOT ENCOUNTERED

Logged By

C. CULLICOTT

Drilled By

K. PADILLA D. PADILLA

Date/Time Started

9/9/99 8am

Date/Time Completed

9/9/99 9:30am

Well Logged By

C. CULLICOTT

Personnel On-Site

K. PADILLA D. PADILLA

Contractors On-Site

Client Personnel On-Site

GARY COOK

Drilling Method

AUGER

Air Monitoring Method

DID

Depth (Feet)	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ BH S			Drilling Conditions & Blow Counts
0			CLEAN BACKFILL C-201						
20	① 20-21 1/2		① VERY POOR RECOVERY FEW INCHES, BROWN SILTY SAND, DRY. HC ODOR BUT NOT STAIN.						① 13 BLOWS SS 466 ppm HS 490 ppm
25	② 25-26 1/2		② BROWN SILT w/ FINE SAND, CALICHE FILLING VOIDS/ROOT PATHS. DRY. HC ODOR, NO STAIN. POOR RECOVERY ~4"						② 20 BLOWS SS 435 ppm HS 543 ppm
30	③ 30-31 1/2		③ POOR RECOVERY ~4" DAMP BROWN SANDY SILT w/ CLAY. STIFF, SOME CALICHE, SLIGHT ODOR						③ 10 BLOWS SS 13-8 ppm HS 527 ppm
35	④ 35-36 1/2								④ 24 BLOWS SS 603 ppm HS 149 ppm
40	⑤ 40-41 1/2		⑤ OVER						

Comments:

PARTLY CLOUDY, BREEZY, COOL

Geologist Signature

Cathy Cullicott

Vertical Extent

(4) 35-36 1/2' GOOD RECOVERY
POORLY SORTED SAND w/ FEW FINE (LEAF).
SAND COARSE → FINE. SOME CONSPICUOUSNESS -
SLIGHTLY DAMP. 8 DOZ. NO STAIN

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2282 FAX (505) 326-2388

Borehole #

Well #

Page

2 of 2

Project Name

Project Number

Project Location

PNM VERTICAL EXTENT

62800044 Phase 6001

DECKER A-3 DRIP

Well Logged By

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

Drilling Method

Air Monitoring Method

C. CULLICOTT

K. PADILLA & D. PADILLA

GARY COOK

WUGER

PID

Elevation

Borehole Location

GWL Depth

Logged By

Drilled By

Date/Time Started

Date/Time Completed

T31N R12W S3B

NOT ENCOUNTERED

C. CULLICOTT

K. PADILLA & D. PADILLA

9/9/99 Rain

9/9/99 9:30am

Depth (Feet)	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU			Drilling Conditions & Blow Counts
						BZ	BH	S	
40	S 40-41 1/2		⑤ 8" RECOVERY - SPLIT SPOON REFUSAL @ 40' MODERATELY CONSOLIDATED, POORLY SORTED SAND/ SANDSTONE. HC OOLITE, NO STAIN TD 40' REFUSAL ON SANDSTONE						⑤ 850+ BLOWS SS 395 HS 1434pm
5									
10									
15									
20									
25									
30									
35									
40									

Comments:

HOLE BACK FILLED WITH CUTTINGS

Geologist Signature

Cathy Cullcott