

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>PNM Gas Services (Williams)</u>		Telephone: <u>324-3764</u>										
Address: <u>603 W. Elm Street Farmington, NM 87401</u>												
Facility or Well Name: <u>Newman #1E Drip</u>												
Location:	Unit <u>C</u>	Sec <u>20</u>	T <u>31 N</u> R <u>12 W</u> County <u>San Juan</u>									
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input type="checkbox"/>	Other <u>Line Drip</u>									
Land Type:	BLM <input type="checkbox"/>	State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/> Other <u> </u>									
Pit Location: Pit dimensions: length <u>18'</u> width <u>18'</u> depth <u>3'</u>												
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other <u> </u>											
Footage from reference: <u>10'</u>												
Direction from reference: <u>5</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input checked="" type="checkbox"/> South <input type="checkbox"/> West <input type="checkbox"/>												
Depth to Ground Water: <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>												
<table style="width:100%"><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><u>0</u></td></tr></table>				Less than 50 feet	(20 points)		50 feet to 99 feet	(10 points)		Greater than 100 feet	(0 points)	<u>0</u>
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50 feet to 99 feet	(10 points)											
Greater than 100 feet	(0 points)	<u>0</u>										
Wellhead Protection Area: <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>												
<table style="width:100%"><tr><td>Yes</td><td>(20 points)</td><td></td></tr><tr><td>No</td><td>(0 points)</td><td><u>0</u></td></tr></table>				Yes	(20 points)		No	(0 points)	<u>0</u>			
Yes	(20 points)											
No	(0 points)	<u>0</u>										
Distance to Surface Water: <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>												
<table style="width:100%"><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><u>0</u></td></tr></table>				Less than 200 feet	(20 points)		200 feet to 1,000 feet	(10 points)		Greater than 1,000 feet	(0 points)	<u>0</u>
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200 feet to 1,000 feet	(10 points)											
Greater than 1,000 feet	(0 points)	<u>0</u>										
RANKING SCORE (TOTAL POINTS) :			<u>0</u>									

RECEIVED
JAN 31 2000
OIL CON. DIV.
DIST. 3

Newman #1E Drip

Date Remediation Started: 05/27/1999

Date Completed: 05/27/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 489

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 429

Other 60 cu yds clean overburden.

Remediation Location:

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

Onsite

Offsite

Newman #1E

Backfill Material Location:

General Description of Remedial Action:

Excavated contaminated soil to a pit size of 27.5' X 24' X 20' and landfarmed soil offsite at Newman #1E 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 25'. Bottom hole results below OCD guidelines as indicated on attached lab analysis.

Ground Water Encountered:

No



Yes



Depth

Final Pit Closure Sampling:

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample Location

5 pt composite-bottom

Sample depth

20'

Sample date

05/27/1999

Sample time

12:35:00 PM

Sample Results

Benzene (ppm)

5.6

Total BTEX (ppm)

186.9 ***

Field headspace (ppm)

TPH (ppm)

56.00

Method

8015B

Vertical Extent (ft) 25'

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 January 24, 2000

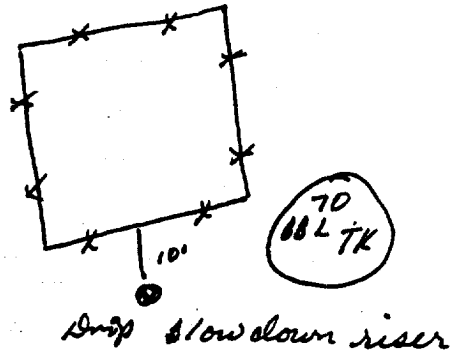
SIGNATURE

Maureen Gannon

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Newman #1E Drp
(F) 20-31N-12W
WFS
5-27-44 @ 0748

↑
N



Excavation Sampling
PID Readings

27.5' (N+5) x 24' (E+W) x 20' (D)

- 5' - 2961 ppm
- 10' - 2621 ppm
- 15' - 1978 ppm
- 20' - 1731 ppm

north wall sample
at 18' - 0 ppm

East wall sample
at 18' - 0 ppm

West wall sample
at 18' - 0 ppm

South wall sample
at 18' - 0 ppm

5 point composite of bottom
at 20' - 1931 ppm

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: Newman #1E & #1E Drip

Lab Order: 9905097

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

Date: 14-Jun-99

ANALYTICAL REPORT

Client:	PNM - Public Service Company of NM	Client Sample Info:	Newman #1E Drip
Work Order:	9905097	Client Sample ID:	9905271235; 5pt. Bottom Comp
Lab ID:	9905097-04A	Matrix:	SOIL
Project:	Newman #1E & #1E Drip	Collection Date:	5/27/99 12:35:00 PM
		COC Record:	7630

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
T/R Hydrocarbons: C10-C28	56	25		mg/Kg	1	6/10/99
AROMATIC VOLATILES BY GC/PID						
Benzene	5600	1000		µg/Kg	1000	6/9/99
Toluene	100000	2000		µg/Kg	1000	6/9/99
Ethylbenzene	6300	1000		µg/Kg	1000	6/9/99
m,p-Xylene	63000	2000		µg/Kg	1000	6/9/99
o-Xylene	12000	1000		µg/Kg	1000	6/9/99

186900
186.9 ppm

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Newman #1E Drip
Work Order:	9905097	Client Sample ID:	9905271240; 4pt. Wall Comp
Lab ID:	9905097-05A	Matrix:	SOIL
Project:	Newman #1E & #1E Drip	Collection Date:	5/27/99 12:40:00 PM
		COC Record:	7630

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

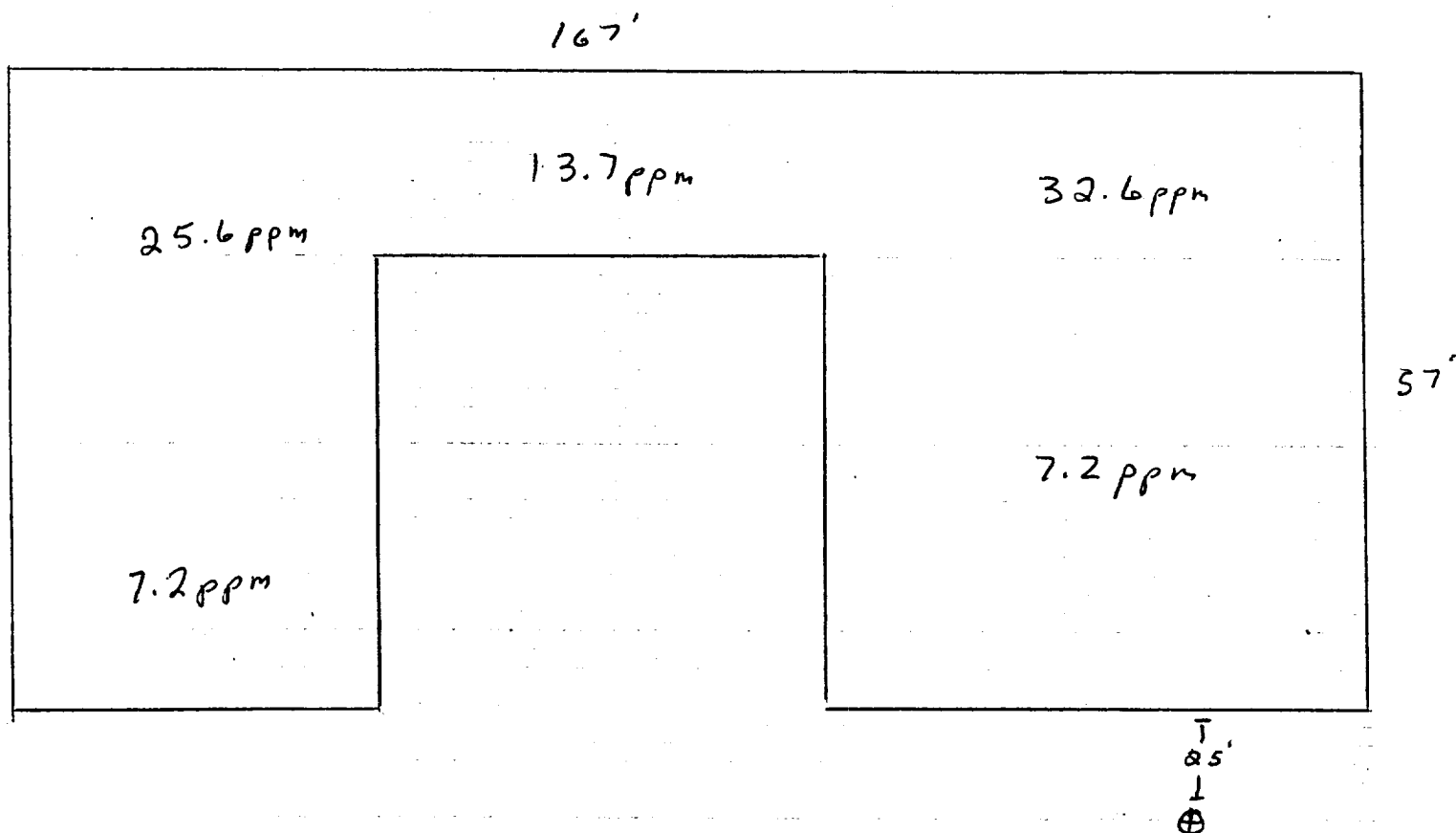
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

Newman 1E DRIP
Sec-20 T-31N R-12W 46-F
WFS

LANDFARM Drawing #1

App Cu yd - 228



2" to 12" Depth
Headspace 82.1 ppm
Sample # 9907080759

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 22-Jul-99

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation Landfarms

Lab Order: 9907018

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



Roy

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 22-Jul-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Newman 1E Drip LF
Work Order:	9907018	Client Sample ID:	9907080759; 5pt Comp
Lab ID:	9907018-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	7/8/99 7:59:00 AM
		COC Record:	7732

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/20/99

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

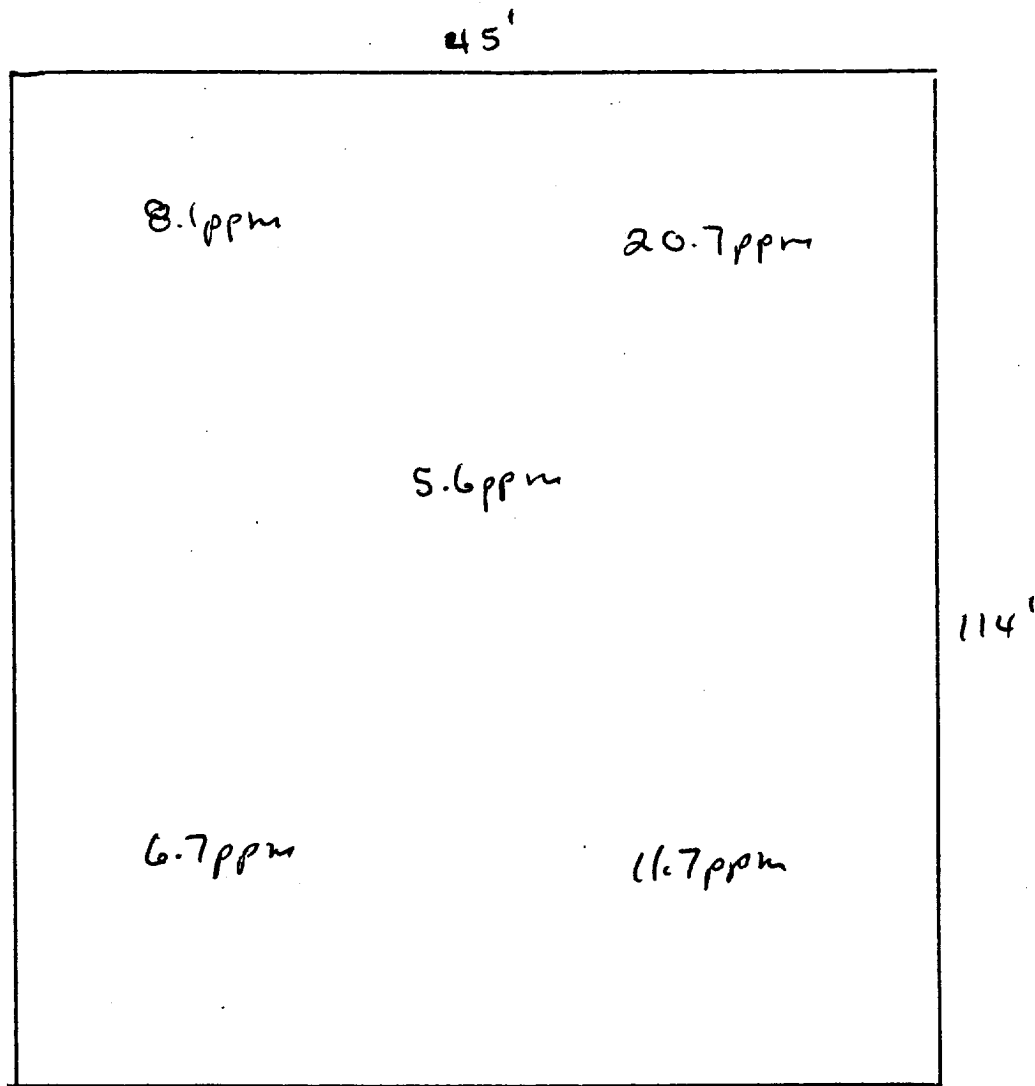
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- TECHNOLOGY BLENDING INDUSTRIES WITH THE ENVIRONMENT -

Newman 1E Drip
Sec-20 T-31N R-12W UL-F
WFS

Land Farm Drawing #2
on Newman 1E Location
Sec-20 T-31N R-12W UL-F
App. 200 cu yds



2" to 12" Depth
Headspace 14.1 ppm
Sample 9908050750

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 11-Aug-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation Landfarms
Lab Order: 9908009

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: 11-Aug-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Newman 1E Drip LF #2
Work Order:	9908009	Client Sample ID:	9908050750; 5pt Composite
Lab ID:	9908009-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	08/05/1999 7:50:00 AM
		COC Record:	7803

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 08/06/1999

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: 13-Oct-99

CLIENT: PNM - Public Service Company of NM
Project: Vertical Extent Drilling
Lab Order: 9909077

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: 13-Oct-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Newman #1E Drip
Work Order:	9909077	Client Sample ID:	9909271330 @ 25ft.
Lab ID:	9909077-03A	Matrix:	SOIL
Project:	Vertical Extent Drilling	Collection Date:	09/27/1999 1:30:00 PM
		COC Record:	7762

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS						
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: DC 10/06/1999
AROMATIC VOLATILES BY GC/PID						
Benzene	ND	1		µg/Kg	1	Analyst: DM 10/04/1999
Toluene	2	2		µg/Kg	1	10/04/1999
Ethylbenzene	ND	1		µg/Kg	1	10/04/1999
m,p-Xylene	2.7	2		µg/Kg	1	10/04/1999
o-Xylene	ND	1		µg/Kg	1	10/04/1999

4.7
.0047 ppm

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

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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 # 1

Page 1 of 1

Project Name PNM VERTICAL EXTENT

Project Number 62800044 Phase 35

Project Location NEWMAN #1 R DRIP

Elevation

Borehole Location T31N R12WS20P

GWL Depth NONE ENCOUNTERED

Logged By C. CULLICOTT

Drilled By R. PADILLA & D. PADILLA

Date/Time Started 9/27/99 1:05 PM

Date/Time Completed 9/27/99 1:45 PM

Well Logged By C. CULLICOTT

Personnel On-Site R. PADILLA & D. PADILLA

Contractors On-Site X

Client Personnel On-Site GARY COOK

Drilling Method AUGER

Air Monitoring Method PIN

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			↑ 0-20' CLEAN FILL ↓						
20	① 20-22'		① CONSOLIDATED FINE TO MEDIUM GRAINED GRAY SILTY SAND. SLIGHT OOL. NO STAIN						① 30 BLOWS SS 63.0 ppm HS 12.8 ppm
25	② 25-26 1/2'		② 16" RECOVERY UPPER 14" AS ABOVE - GRAY SAND POORLY SORTED. SLIGHT OOL. BOTTOM 2" LIGHT TAN/WHITE SANDSTONE. FINE TO MEDIUM GRAINED W/ WHITE MATRIX. VERY WELL CEMENTED.						② 50+ BLOWS SS 15.6 ppm HS ppm
40			TD 25' REFUSAL ON SANDSTONE						

Comments:

SUNNY, BREEZY, WARM

HOLE BACKFILLED WITH CUTTINGS

Geologist Signature

Cathy Cullcott