

District I
P.O. Box 1900 Hobbs, NM

District II
P.O. Drawer 1000 Hobbs, NM 88241

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

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JUL 30 1999

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Burlington) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Hubbard #4A

Location: Unit P Sec 15 T 32 N R 12 W County San Juan

Pit Type: Separator ☐ Dehydrator ☒ Other

Land Type: BLM ☐ State ☐ Fee ☒ Other

Pit Location: Pit dimensions: length 20 ' width 20 ' depth 3 '

(Attach diagram) Reference: wellhead ☒ other

Footage from reference: 105'

Direction from reference: 30 Degrees ☐ East North ☐
of ☒ West South ☒

Depth to Ground Water: 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: 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: 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

Hubbard #4A

Date Remediation Started: 04/19/1999

Date Completed: 04/19/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 464

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 424

Other 40 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 30' X 38' x 11' 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.

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

11'

Sample date

04/19/1999

Sample time

3:25:00 PM

Sample Results

Benzene (ppm) < 0.500

Total BTEX (ppm) 29.500

Field headspace (ppm)

TPH (ppm)

220.00

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

DATE July 27, 1999

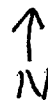
SIGNATURE

Maureen Gannon

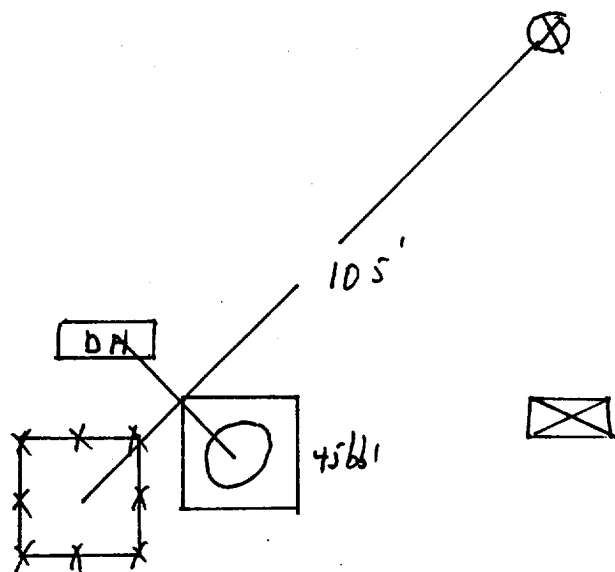
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Hubbard #4A
Burlington
Sec. 15, 32N, 12W, P

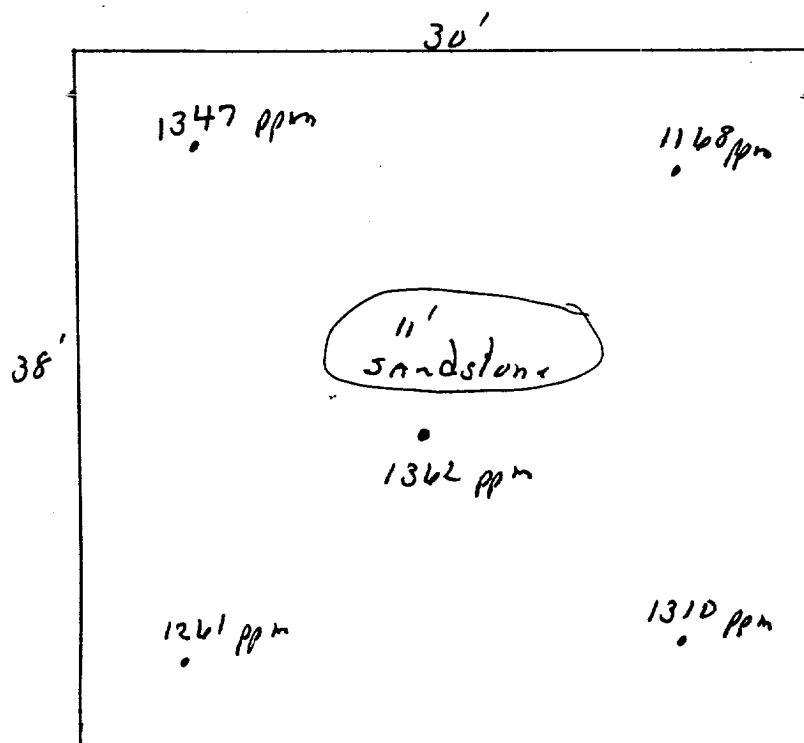
4/17/99



Site diagram:



End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-May-99

CLIENT: PNM - Public Service Company of NM

Project: Hubbard #4A

Lab Order: 9904042

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:** 04-May-99

Client: PNM - Public Service Company of NM
Work Order: 9904042
Lab ID: 9904042-01A **Matrix:** SOIL
Project: Hubbard #4A

Client Sample Info: Hubbard #4A
Client Sample ID: 9904191525; Bottom @ 11ft.
Collection Date: 4/19/99 3:25:00 PM
COC Record: 7568

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	220	25		mg/Kg	1	4/27/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	500		µg/Kg	500	4/21/99
Toluene	4100	1000		µg/Kg	500	4/21/99
Ethylbenzene	1800	500		µg/Kg	500	4/21/99
m,p-Xylene	19000	1000		µg/Kg	500	4/21/99
o-Xylene	4600	500		µg/Kg	500	4/21/99

29500
 29.5 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

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- TECHNICAL CELL -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #4A
Work Order:	9904042	Client Sample ID:	9904191530; Walls @ 7ft.
Lab ID:	9904042-02A	Matrix:	SOIL
Project:	Hubbard #4A	Collection Date:	4/19/99 3:30:00 PM
		COC Record:	7568

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/29/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	ND	2		µg/Kg	2	4/22/99
Toluene	ND	4		µg/Kg	2	4/22/99
Ethylbenzene	ND	2		µg/Kg	2	4/22/99
m,p-Xylene	5.6	4		µg/Kg	2	4/22/99
o-Xylene	8	2		µg/Kg	2	4/22/99

13.6
0.136 ppm

Qualifiers:

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ND - Not Detected at Practical Quantitation Limit

R - RPD outside accepted recovery limits

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E - Value above quantitation range

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Surr: - Surrogate

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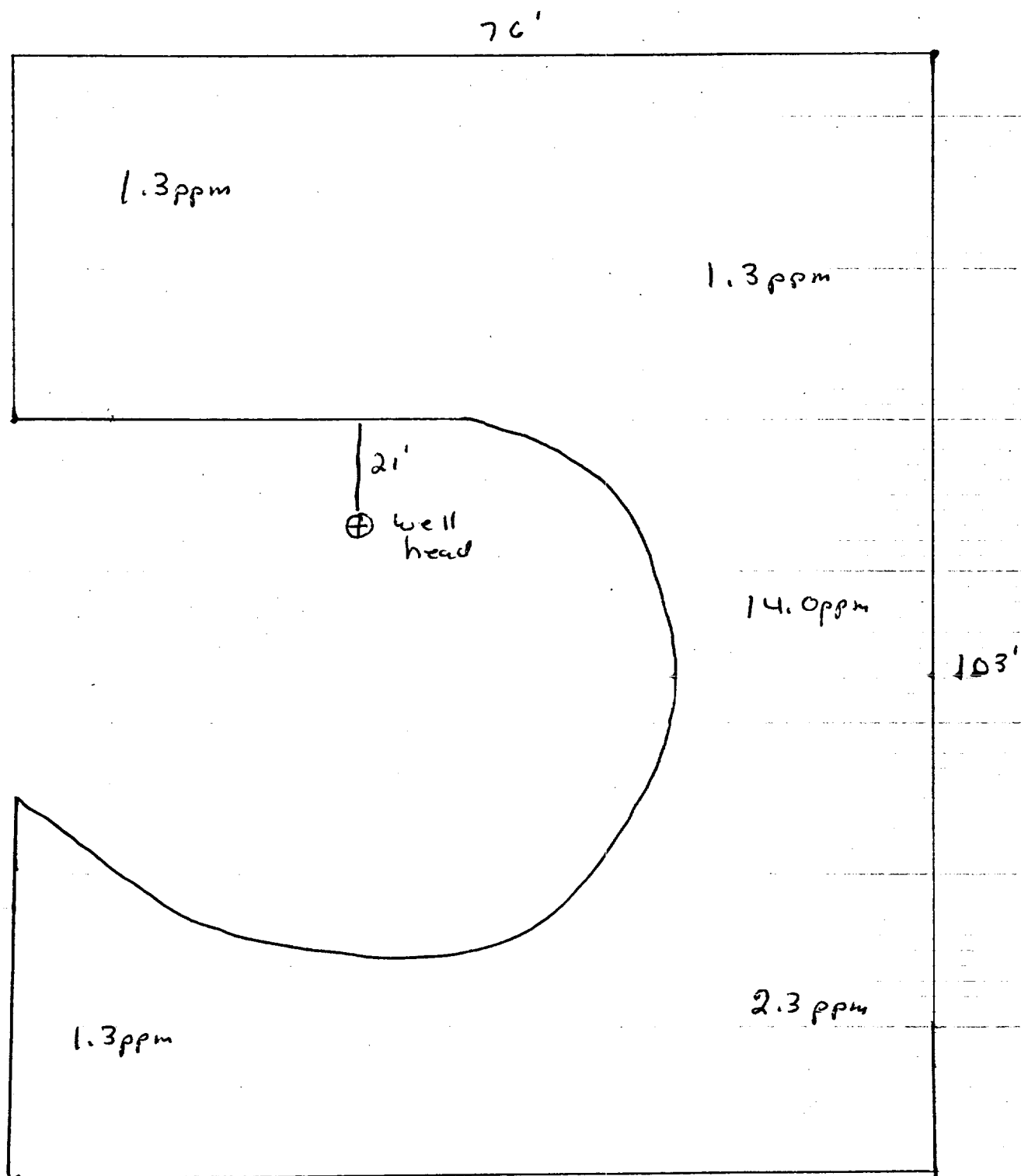
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- TECHNOLOGY SERVING THE INDUSTRY WITH THE ENVIRONMENT -

Hubbard #4A
Sec -15 T-32N R-12W UL P
Burlington

Land farm Drawing

on location App 424 cu yd.



2" to 12" Depth
Headspace 8.5 ppm
Sample # 990620950

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: 9906006

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



RB

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #4A LF
Work Order:	9906006	Client Sample ID:	9906020950; 5pt. Comp
Lab ID:	9906006-01A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	6/2/99 9:55:00 AM
		COC Record:	7714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/7/99

Qualifiers:

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

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- TECHNICAL SERVICES PROVIDED TO THE ENVIRONMENT -

OFF: (505) 325-5667



RB

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #4ARB LF
Work Order:	9906006	Client Sample ID:	9906020955; 5pt. Comp
Lab ID:	9906006-02A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	6/2/99 9:55:00 AM
		COC Record:	7714

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/7/99

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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