

District I
P.O. Box 1980, Hobbs, NM
Henry S. Foust
District II
P.O. Box 1980, Hobbs, NM 88221
DEPUTY OIL & GAS INSPECTOR
District III
1000 Rio Brazos Rd, Aztec, NM 87410
SEP 03 1999

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Street
Santa Fe, New Mexico 87505

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 30 1999

OIL CON. DIV.

Approved
Operator: PNM Gas Services (Burlington) **Telephone:** 324-3764 **DIST. 3**
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Hubbard #2A
Location: Unit O Sec 11 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: 95 '
Direction from reference: 70 Degrees ☒ East North ☐
of ☐ West South ☒

Depth to Ground Water:
(Vertical distance from contaminants to seasonal high water elevation of ground water)
Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 points) 0

Wellhead Protection Area:
(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)
Yes (20 points)
No (0 points) 0

Distance to Surface Water:
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)
Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points)
Greater than 1,000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Hubbard #2A

Date Remediation Started: 04/22/1999

Date Completed: 04/27/1999

Remediation Method:

Excavation

☒

Approx. Cubic Yard

213

(Check all appropriate sections)

Landfarmed

☒

Amount Landfarmed (cubic yds)

178

Other

35 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 16' X 18' 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.

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

04/27/1999

Sample time

9:00:00 AM

Sample Results

Benzene (ppm)

<

0.025

Total BTEX (ppm)

1.110

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

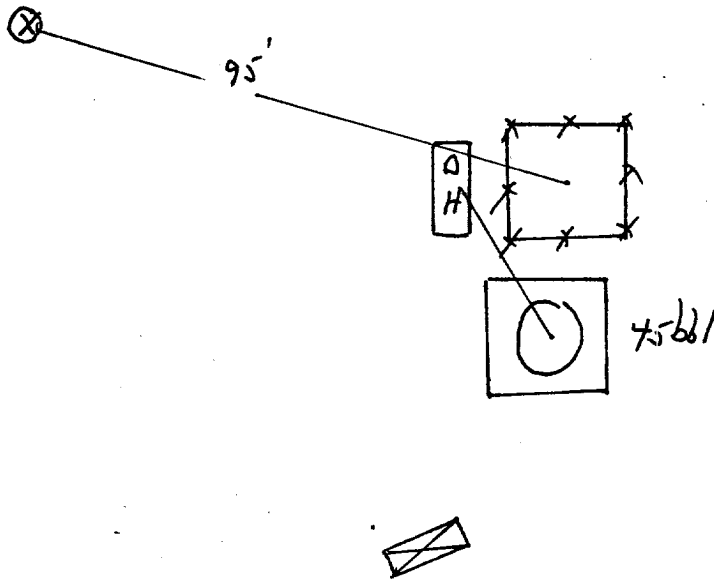
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Hubbard # 2A
Burlington
Sec. 11, 32N, 12W, 0

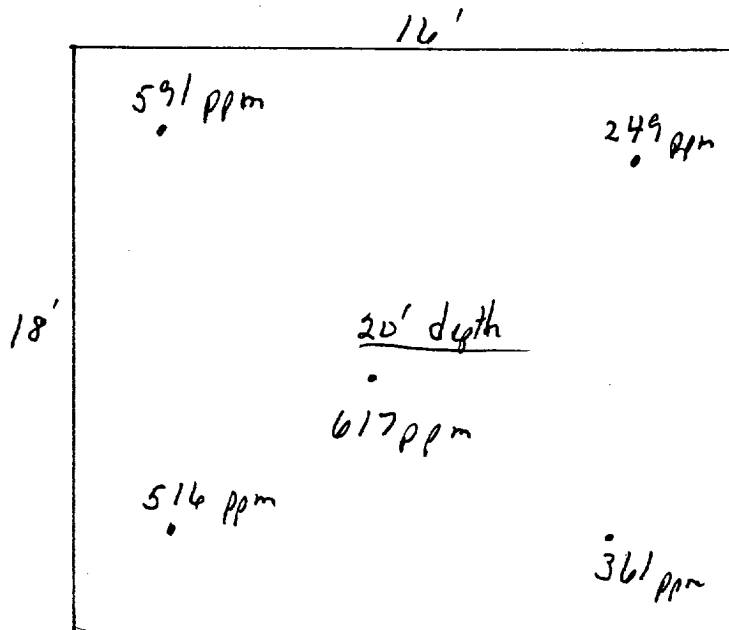
4/22/99



Site diagram:



End of excavation:



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 07-May-99

CLIENT: PNM - Public Service Company of NM

Project: Hubbard #2A

Lab Order: 9904058

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.

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #2A
Work Order:	9904058	Client Sample ID:	9904270900; Bottom @ 20ft
Lab ID:	9904058-01A	Matrix:	SOIL
Project:	Hubbard #2A	Collection Date:	4/27/99 9:00:00 AM
		COC Record:	7575

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	220	25		mg/Kg	1	5/6/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	ND	25		µg/Kg	25	4/29/99
Toluene	ND	50		µg/Kg	25	4/29/99
Ethylbenzene	210	25		µg/Kg	25	4/29/99
m,p-Xylene	680	50		µg/Kg	25	4/29/99
o-Xylene	220	25		µg/Kg	25	4/29/99

1110
1.110 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: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #2A
Work Order:	9904058	Client Sample ID:	9904270905; Walls @ 15ft
Lab ID:	9904058-02A	Matrix:	SOIL
Project:	Hubbard #2A	Collection Date:	4/27/99 9:05:00 AM
		COC Record:	7575

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/30/99

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 SERVING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-May-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Hubbard #2A
Work Order:	9904058	Client Sample ID:	9904270910; Walls @ 15ft
Lab ID:	9904058-03A	Matrix:	SOIL
Project:	Hubbard #2A	Collection Date:	4/27/99 9:10:00 AM
		COC Record:	7575

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/30/99

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
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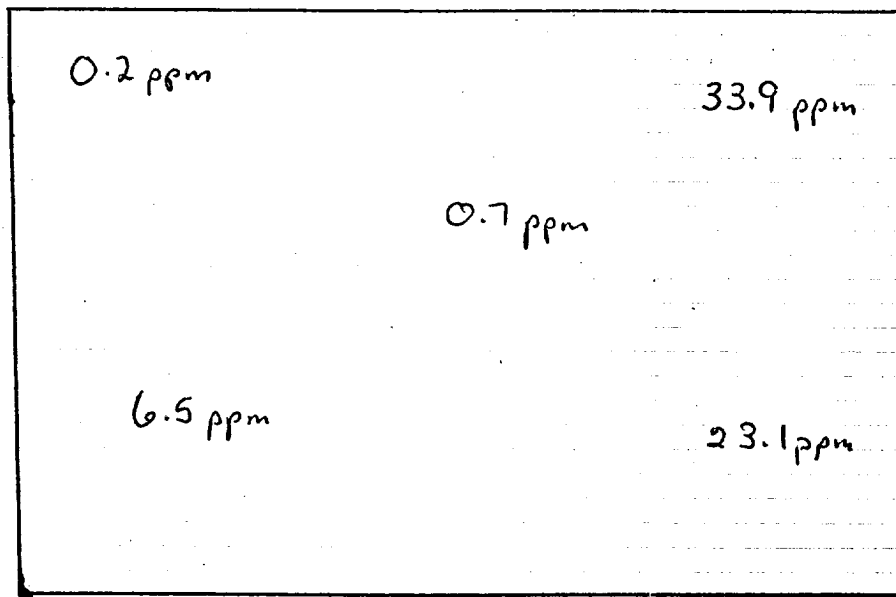
Hubbard *2A

Sec-11 T-32 N R-12 W 4L O

Burlington

LAND FARM DRAWING

App - 178 cu yds



2" to 12" Depth

Headspace Reading 58.1 ppm

Sample # 9901021240

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: 9906007

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



Ray

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Jun-99

Client: PNM - Public Service Company of NM
Work Order: 9906007
Lab ID: 9906007-03A **Matrix:** SOIL
Project: PNM Pit Remediation Landfarms

Client Sample Info: Hubbard #2A LF
Client Sample ID: 9906021250; 5pt. Comp
Collection Date: 6/2/99 12:50:00 PM
COC Record: 7715

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	6/8/99

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

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