

District I
P.O. Box 198

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

District III
1000 Rio Brazos Rd, Aztec, NM 87410

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

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

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

PIT REMEDIATION AND CLOSURE REPORT

RECEIVED
JUL 30 1999

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Hubbard #1

Location: Unit B Sec 22 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: 36'

Direction from reference: 70 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 #1

Date Remediation Started: 04/19/1999

Date Completed: 04/19/1999

Remediation Method:

Excavation ☒

Approx. Cubic Yard 385

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 300

Other 85 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 26' X 25' X 16' 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 16'

Sample date 04/19/1999

Sample time 11:15:00 AM

Sample Results

Benzene (ppm) 0.33

Total BTEX (ppm) 12.130

Field headspace (ppm)

TPH (ppm) < 25.00

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

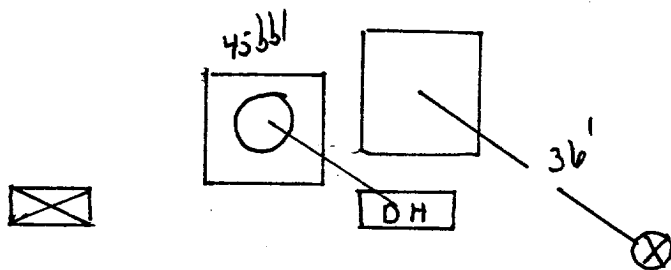
PRINTED NAME Maureen Gannon
AND TITLE Project Manager

Hubbard #1
Burlington
Sec. 22, 32 W, 12 N, B

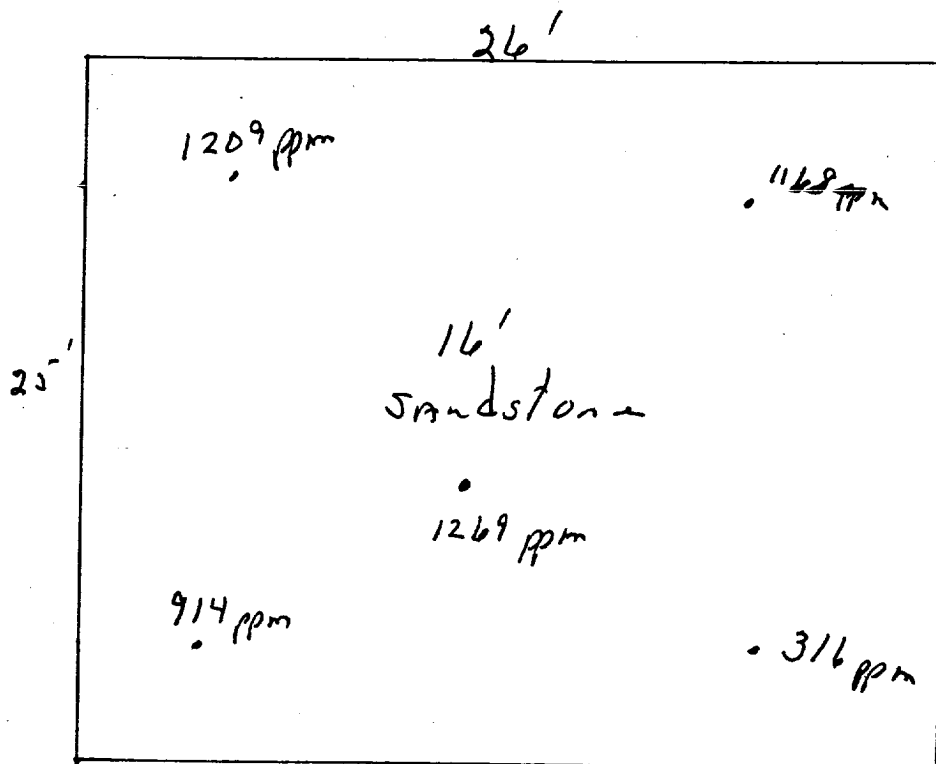
4/19/99



Site diagram:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 29-Apr-99

CLIENT: PNM - Public Service Company of NM

Project: Hubbard #1

Lab Order: 9904036

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.

6c

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Apr-99

Client:	PNM - Public Service Company of NM	Client Sample Info: Hubbard #1
Work Order:	9904036	Client Sample ID: 9904191115; Bottom @ 16ft.
Lab ID:	9904036-01A Matrix: SOIL	Collection Date: 4/19/99 11:15:00 AM
Project:	Hubbard #1	COC Record: 7567

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/27/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	330	100		µg/Kg	100	4/22/99
Toluene	600	200		µg/Kg	100	4/22/99
Ethylbenzene	820	100		µg/Kg	100	4/22/99
m,p-Xylene	10000	200		µg/Kg	100	4/22/99
o-Xylene	380	100		µg/Kg	100	4/22/99

12130
12.130 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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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 29-Apr-99

Client: PNM - Public Service Company of NM
Work Order: 9904036
Lab ID: 9904036-02A **Matrix:** SOIL
Project: Hubbard #1

Client Sample Info: Hubbard #1
Client Sample ID: 9904191130; Walls @ 12ft.
Collection Date: 4/19/99 11:30:00 AM
COC Record: 7567

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	4/27/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: HR
Benzene	93	50		µg/Kg	50	4/21/99
Toluene	650	100		µg/Kg	50	4/21/99
Ethylbenzene	140	50		µg/Kg	50	4/21/99
m,p-Xylene	1400	100		µg/Kg	50	4/21/99
o-Xylene	270	50		µg/Kg	50	4/21/99

2553
2.553 ppm

Qualifiers:

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R - RPD outside accepted recovery limits

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Surr: - Surrogate

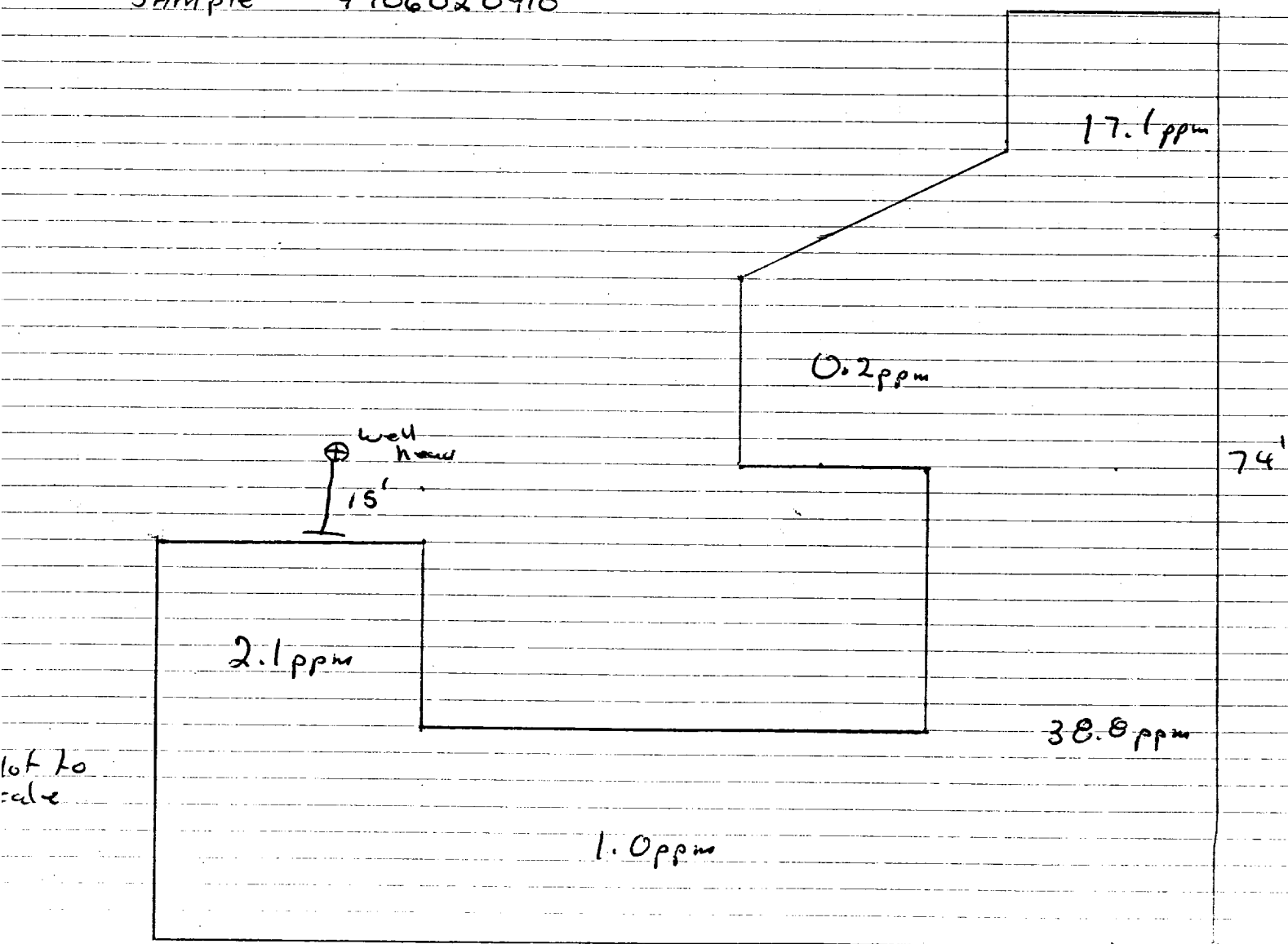
Hubbard
Sec. 22 T-32N R-12W UL B
Burlington

Land Farm Drawing

on location App 300 cu yds

2" to 12" depth

Headspace Readings - 33.2 ppm
Sample # - 9906020910



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	Client Sample Info:	Hubbard #1 LF
Work Order:	9906005	Client Sample ID:	9906020913; 5pt. Comp
Lab ID:	9906005-03A	Matrix:	SOIL
Project:	PNM Pit Remediation Landfarms	Collection Date:	6/2/99 9:13:00 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

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

1 of 1

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