

OK

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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

Approved

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: AD Hudson #5			
Location:	Unit <u>C</u>	Sec <u>29</u>	T <u>27 N</u> R <u>9 W</u> County <u>San Juan</u>
Pit Type:	Separator <input type="checkbox"/>	Dehydrator <input checked="" type="checkbox"/>	Other _____
Land Type:	BLM <input checked="" type="checkbox"/>	State <input type="checkbox"/>	Fee <input type="checkbox"/> Other _____
Pit Location:	Pit dimensions: length <u>15</u> width <u>15</u> depth <u>2</u>		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/> other _____		
	Footage from reference: <u>150'</u>		
	Direction from reference: <u>20</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input checked="" type="checkbox"/> South <input type="checkbox"/> West <input checked="" type="checkbox"/>		
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)	<u>0</u>
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)	<u>0</u>
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)	<u>0</u>
RANKING SCORE (TOTAL POINTS):			<u>0</u>

Date Remediation Started: 6/30/98 Date Completed: 6/30/98Remediation Method: Excavation x Approx. Cubic Yard 181

(Check all appropriate sections)

Landfarmed x Amount Landfarmed (cubic yds) 181

Other _____

Remediation Location: Onsite X 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 18' X 17' X 16' and landfarmed soil onsite within a bermed area at a depth of 6" to 12". Soil was aerated by disking and plowing until soil met regulatory levels.Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit Closure Sampling:

Sample Location Bottom of excavation.

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

Sample depth 16'Sample date 6/30/98 Sample time 12:45:00 PM

Sample Results

Benzene (ppm) < 0.2500Total BTEX (ppm) 39.6000

Field headspace (ppm) _____

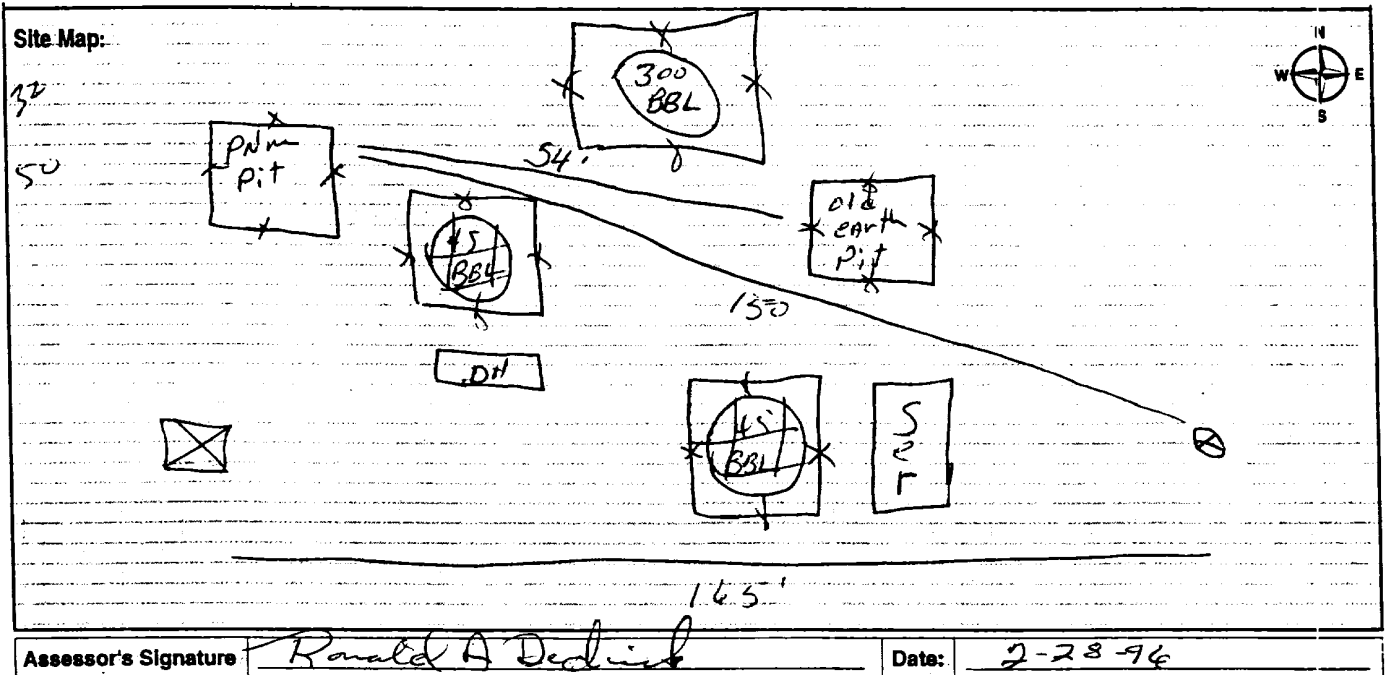
TPH (ppm) 330.00 Method 8015AVertical Extent (ft) _____ Risk Analysis form attached Yes ☐ No ☒Ground Water Sample: Yes ☐ No ☒ (If yes, see attached Groundwater Site Summary Report)

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

DATE January 26, 1999SIGNATURE Maureen GannonPRINTED NAME **Maureen Gannon**
AND TITLE **Project Manager**

A.D. Hudson #5

Site Map:



Assessor's Signature

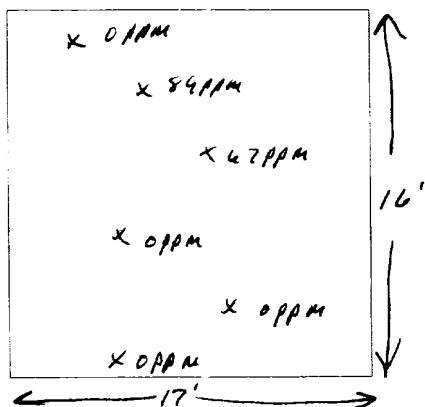
Ronald A. Dechick

Date:

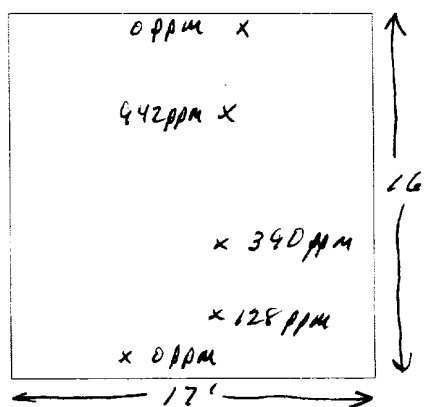
2-28-96

A.D. Hudson #5
 C-24-27N-9W
 Burlington
 181.33 yds

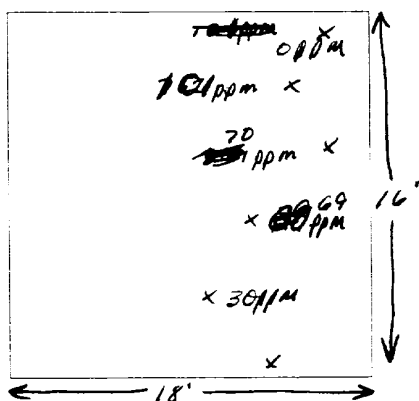
North Wall



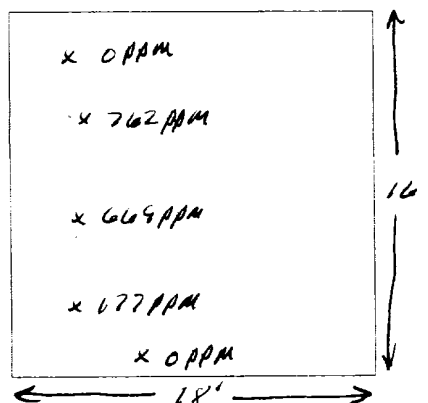
South Wall



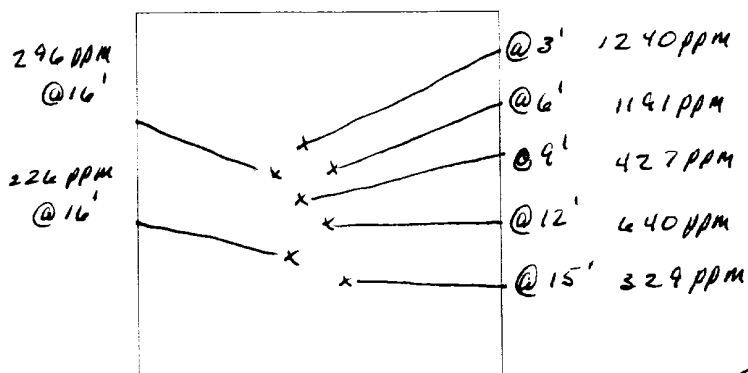
East Wall



West Wall



Bottom



18' x 17' x 16'

sandstone @ 16'

6-30-98

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 10-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: AD Hudson #5

Lab Order: 9806119

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.

ANALYTICAL REPORT

Date: 10-Jul-98

Client: PNM - Public Service Company of NM

Work Order: 9806119

Lab ID: 9806119-01A

Project: AD Hudson #5

Matrix: SOIL

Client Sample Info: AD Hudson #5

Client Sample ID: 9806301245; #5 Bottom

Collection Date: 6/30/98 12:45:00 PM

COC Record: 5243

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	330	25		mg/Kg	1	7/7/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	250		µg/Kg	250	7/4/98
Toluene	3900	500		µg/Kg	250	7/4/98
Ethylbenzene	3000	250		µg/Kg	250	7/4/98
m,p-Xylene	28000	500		µg/Kg	250	7/4/98
o-Xylene	4700	250		µg/Kg	250	7/4/98
	39600 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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 10-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	AD Hudson #5
Work Order:	9806119	Client Sample ID:	9806301255; #5 Walls
Lab ID:	9806119-02A	Matrix:	SOIL
Project:	AD Hudson #5	Collection Date:	6/30/98 12:55:00 PM
		COC Record:	5243

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/7/98
BTEX		SW8020A				Analyst: HR
Benzene	ND	1		µg/Kg	1	7/4/98
Toluene	ND	2		µg/Kg	1	7/4/98
Ethylbenzene	ND	1		µg/Kg	1	7/4/98
m,p-Xylene	ND	2		µg/Kg	1	7/4/98
o-Xylene	ND	1		µg/Kg	1	7/4/98

Qualifiers:

PQL - Practical Quantitation Limit

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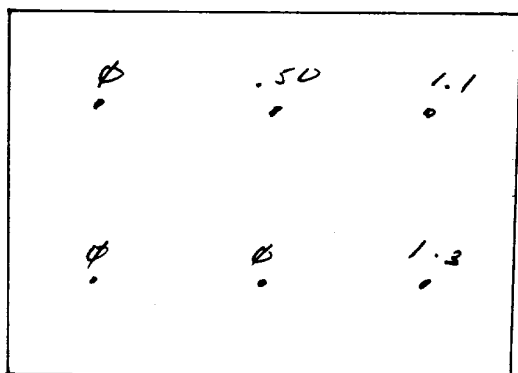
A. D. Hudson # 5

7/20/98

BR

Sec. 29, 27N, 9W

Land farm: On location



Ø

181 yards
2"-12" depth

soil vapor headspace = 2.1 ppm

9807201530 =

OFF: (505) 325-5667



ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 28-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807058

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: 28-Jul-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	A.D. Hudson #5 LF
Work Order:	9807058	Client Sample ID:	9807201530; 6pt. Comp.
Lab ID:	9807058-14A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	7/20/98 3:30:00 PM
		COC Record:	7389

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/24/98

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