

District I
P.O. Box 1980, Hobbs, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

OIL CONSERVATION DIVISION

District III
1000 Rio Brazos Rd, Aztec, NM 87410

2040 South Pacheco Street
Santa Fe, New Mexico 87505

PIT REMEDIATION AND CLOSURE REPORT

OK

Operator: <u>PNM Gas Services (Energen)</u> Telephone: <u>324-3764</u>										
Address: <u>603 W. Elm Street Farmington, NM 87401</u>										
Facility or Well Name: <u>Taliaferro #3</u>										
Location:	Unit <u>A</u> Sec <u>31</u> T <u>31 N</u> R <u>12 W</u> County <u>San Juan</u>									
Pit Type:	Separator <input type="checkbox"/> Dehydrator <input checked="" type="checkbox"/> Other _____									
Land Type:	BLM <input type="checkbox"/> State <input type="checkbox"/> Fee <input checked="" type="checkbox"/> Other _____									
Pit Location:	Pit dimensions: length <u>13</u> ' width <u>13</u> ' depth <u>3</u> ' (Attach diagram) Reference: wellhead <input checked="" type="checkbox"/> other _____ Footage from reference: <u>169</u> ' Direction from reference: <u>50</u> Degrees <input checked="" type="checkbox"/> East North <input checked="" type="checkbox"/> <input type="checkbox"/> West South <input type="checkbox"/>									
Depth to Ground Water:	<table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">Less than 50 feet</td> <td style="width:25%; border: none;">(20 points)</td> <td style="width:25%; border: none;"></td> </tr> <tr> <td style="border: none;">50 feet to 99 feet</td> <td style="border: none;">(10 points)</td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">Greater than 100 feet</td> <td style="border: none;">(0 points)</td> <td style="border: none; text-align: right;"><u>0</u></td> </tr> </table> <small>(Vertical distance from contaminants to seasonal high water elevation of ground water)</small>	Less than 50 feet	(20 points)		50 feet to 99 feet	(10 points)		Greater than 100 feet	(0 points)	<u>0</u>
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:	<table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">Yes</td> <td style="width:25%; border: none;">(20 points)</td> <td style="width:25%; border: none;"></td> </tr> <tr> <td style="border: none;">No</td> <td style="border: none;">(0 points)</td> <td style="border: none; text-align: right;"><u>0</u></td> </tr> </table> <small>(Less than 200 feet from a private domestic water source, or; less than 1,000 feet from all other water sources)</small>	Yes	(20 points)		No	(0 points)	<u>0</u>			
Yes	(20 points)									
No	(0 points)	<u>0</u>								
Distance to Surface Water:	<table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;">Less than 200 feet</td> <td style="width:25%; border: none;">(20 points)</td> <td style="width:25%; border: none;"></td> </tr> <tr> <td style="border: none;">200 feet to 1,000 feet</td> <td style="border: none;">(10 points)</td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">Greater than 1,000 feet</td> <td style="border: none;">(0 points)</td> <td style="border: none; text-align: right;"><u>10</u></td> </tr> </table> <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet	(20 points)		200 feet to 1,000 feet	(10 points)		Greater than 1,000 feet	(0 points)	<u>10</u>
Less than 200 feet	(20 points)									
200 feet to 1,000 feet	(10 points)									
Greater than 1,000 feet	(0 points)	<u>10</u>								
RANKING SCORE (TOTAL POINTS): <u>10</u>										

OIL CON. DIV.
DIST. 3
JAN 31 1999

Taliaferro #3

Date Remediation Started: 06/02/1999

Date Completed: 06/02/1999

Remediation Method: Excavation X

Approx. Cubic Yard 308

Landfarmed X

Amount Landfarmed (cubic yds) 278

(Check all appropriate sections)

Other 30 cu yds clean overburden.

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 16' X 26' 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 [checked] 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 06/02/1999 Sample time 12:50:00 PM

Sample Results

Benzene (ppm) 0.028

Total BTEX (ppm) 2.448

Field headspace (ppm)

TPH (ppm) 25.00 Method 8015B

Vertical Extent (ft) Risk Analysis form attached Yes [] No [checked]

Ground Water Sample: Yes [] No [checked] (If yes, see attached Groundwater Site Summary Report)

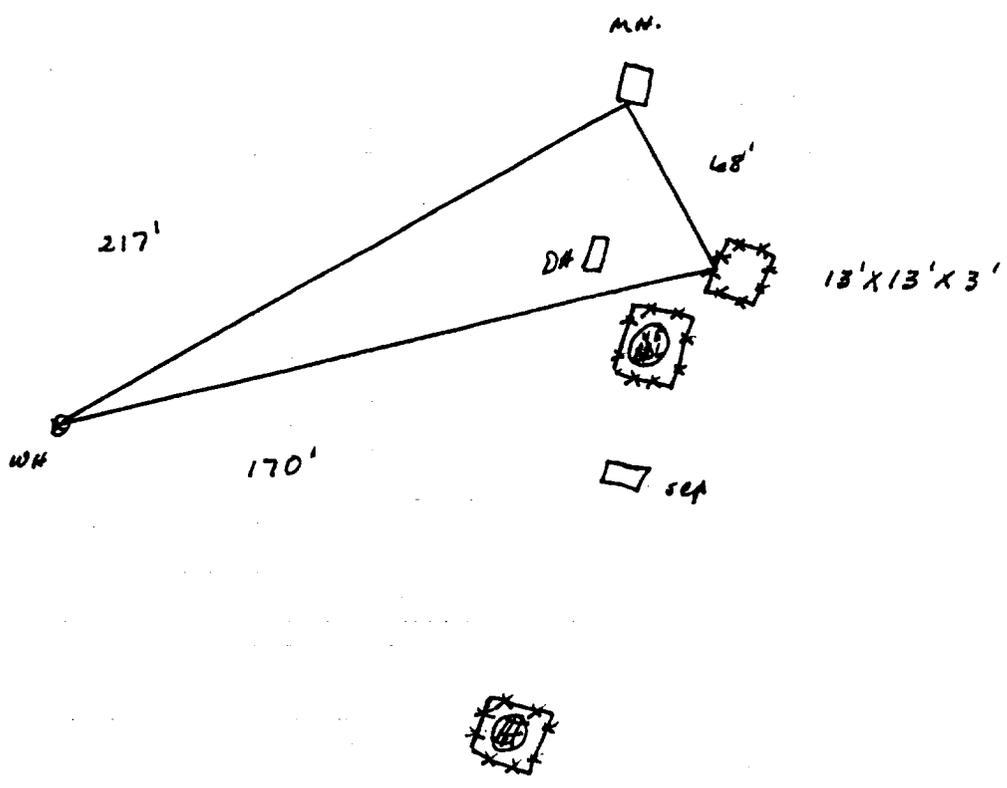
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF

DATE January 24, 2000

SIGNATURE Maureen Gannon

PRINTED NAME Maureen Gannon AND TITLE Project Manager

Taliaferro # 3
 (A) 31-31N-12W
 Energy
 6-2-49 at 0910

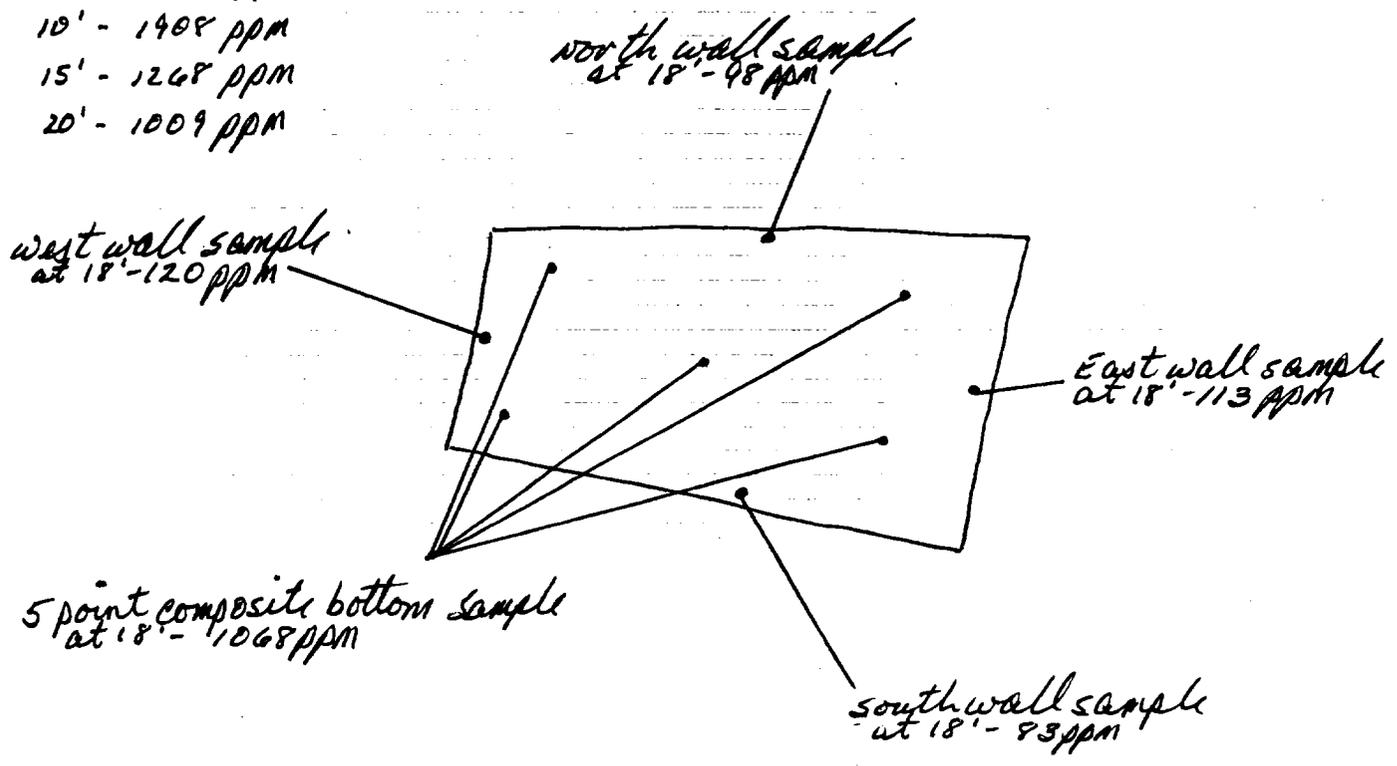


Excavation Dimensions Sampling

18'(N+S) X 26'(E+W) X 20'(D)

PID Readings

- 5' - 1047 ppm
- 10' - 1408 ppm
- 15' - 1268 ppm
- 20' - 1009 ppm



not to scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 17-Jun-99

CLIENT: PNM - Public Service Company of NM
Project: PNM Pit Remediation
Lab Order: 9906011

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.

RH

OFF: (505) 325-5667

LAB: (505) 325-1556



ANALYTICAL REPORT

Date: 17-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Taliaferro #3
Work Order:	9906011	Client Sample ID:	9906021250; 5pt. Bottom Comp
Lab ID:	9906011-03A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/2/99 12:50:00 PM
		COC Record:	7632

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	25	25		mg/Kg	1	6/14/99
AROMATIC VOLATILES BY GC/PID		SW8021B				Analyst: DC
Benzene	28	25		µg/Kg	25	6/10/99
Toluene	630	50		µg/Kg	25	6/10/99
Ethylbenzene	100	25		µg/Kg	25	6/10/99
m,p-Xylene	1200	50		µg/Kg	25	6/10/99
o-Xylene	490	25		µg/Kg	25	6/10/99

2448
 2.448 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

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 17-Jun-99

Client:	PNM - Public Service Company of NM	Client Sample Info:	Taliaferro #3
Work Order:	9906011	Client Sample ID:	9906021255; 4pt. Wall Comp
Lab ID:	9906011-04A	Matrix:	SOIL
Project:	PNM Pit Remediation	Collection Date:	6/2/99 12:55:00 PM
		COC Record:	7632

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	25	25		mg/Kg	1	6/9/99

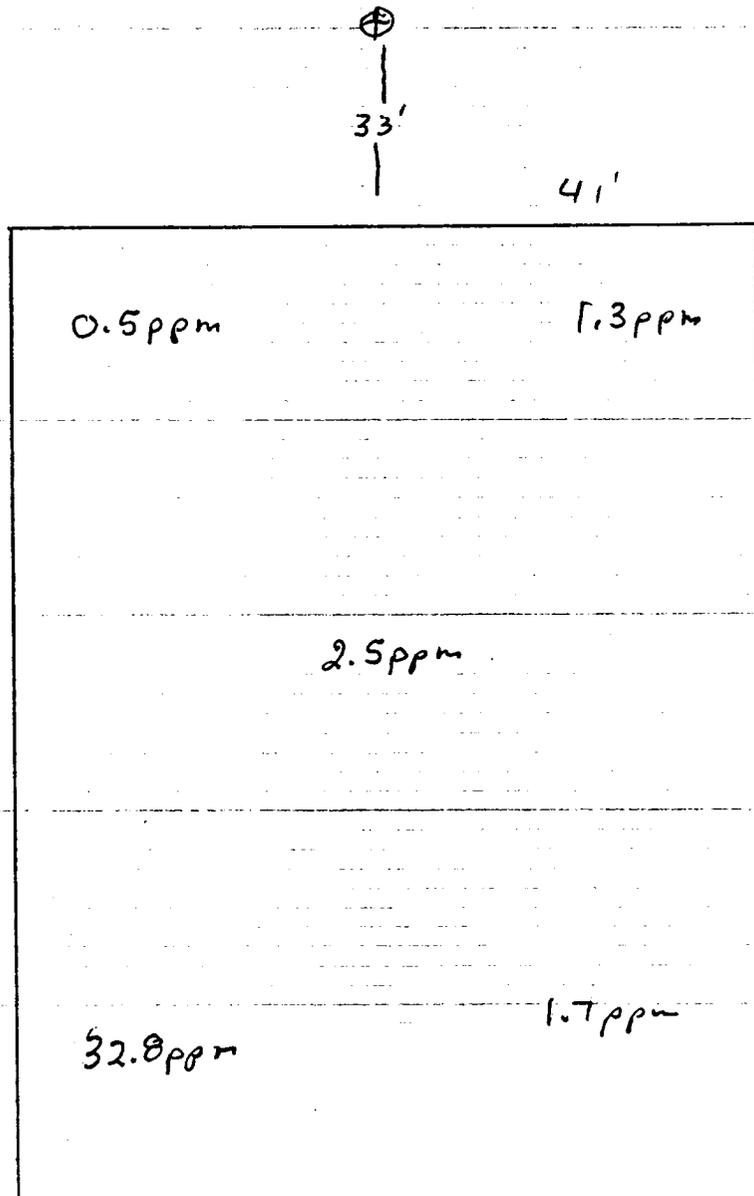
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B - Analyte detected in the associated Method Blank	Surr: - Surrogate

Taliaferro #3
Sec-31 T-31N R-12W ul-A
ENERGEN

LANDFARM DRAWING

App 270.14 cu yds



2" to 12" Depth
Headspace 19.2 ppm
Sample # 9907140830

Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 30-Jul-99

CLIENT: PNM - Public Service Company of NM
Project: Talaferro 3, 4 & 7 and Grenier 19 LF
Lab Order: 9907037

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: 30-Jul-99

Client: PNM - Public Service Company of NM	Client Sample Info: Taliaferro #3 LF
Work Order: 9907037	Client Sample ID: 9907140830; 5pt Comp
Lab ID: 9907037-01A Matrix: SOIL	Collection Date: 7/14/99 8:30:00 AM
Project: Taliaferro 3, 4 & 7 and Grenier 19 LF	COC Record: 7737

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: DC
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/28/99

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