

District I
P O. Box 1980, Hobbs, NM

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

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

Risk
Red. 10-11-10
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (Cross Timbers)		Telephone: 324-3764	
Address: 603 W. Elm Street Farmington, NM 87401			
Facility or Well Name: EH Pipken #5E			
Location:	Unit J	Sec 36	T 28 N R 11 W County San Juan
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 25 ' width 25 ' depth 3 '		
(Attach diagram)	Reference: wellhead <input checked="" type="checkbox"/>	other	
	Footage from reference: 92'		
	Direction from reference: 70 Degrees <input checked="" type="checkbox"/> East <input type="checkbox"/> North <input type="checkbox"/> of <input type="checkbox"/> West <input checked="" type="checkbox"/> South		
Depth to Ground Water:	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)		20
(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)		10
(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS):			30

EH Pipken #5E

Date Remediation Started: 04/28/1998

Date Completed: 04/30/1998

Remediation Method: Excavation ☒

Approx. Cubic Yard 377

(Check all appropriate sections)

Landfarmed ☒

Amount Landfarmed (cubic yds) 377

Other _____

Remediation Location:

Onsite _____

Offsite

Tierra Landfarm

(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 20' X 30' X 17' and transported soil to an offsite commercial landfarm.

***Sandstone encountered at 17'. See attached risk analysis form.

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

17'

Sample date

04/28/1998

Sample time

11:00:00 AM

Sample Results

Benzene (ppm)

0.31

Total BTEX (ppm)

16.81

Field headspace (ppm)

TPH (ppm)

260.00 ***

Method

8015A

Vertical Extent (ft) _____

Risk Analysis form attached Yes



No

Ground Water Sample:

Yes



No

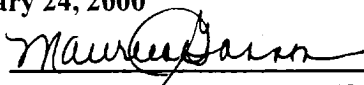


(If yes, see attached Groundwater Site Summary Report)

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

DATE January 24, 2000

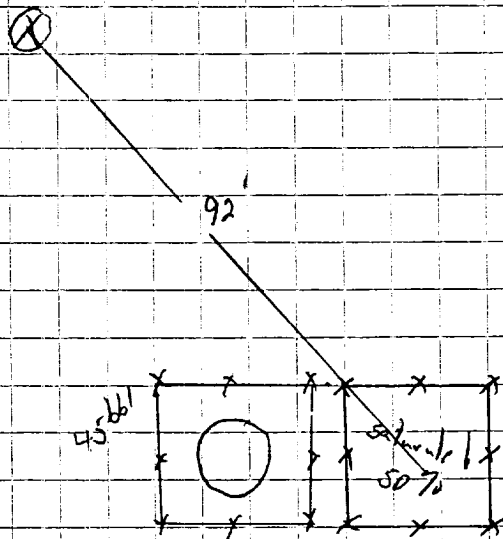
SIGNATURE

PRINTED NAME Maureen Gannon
AND TITLE Project Manager

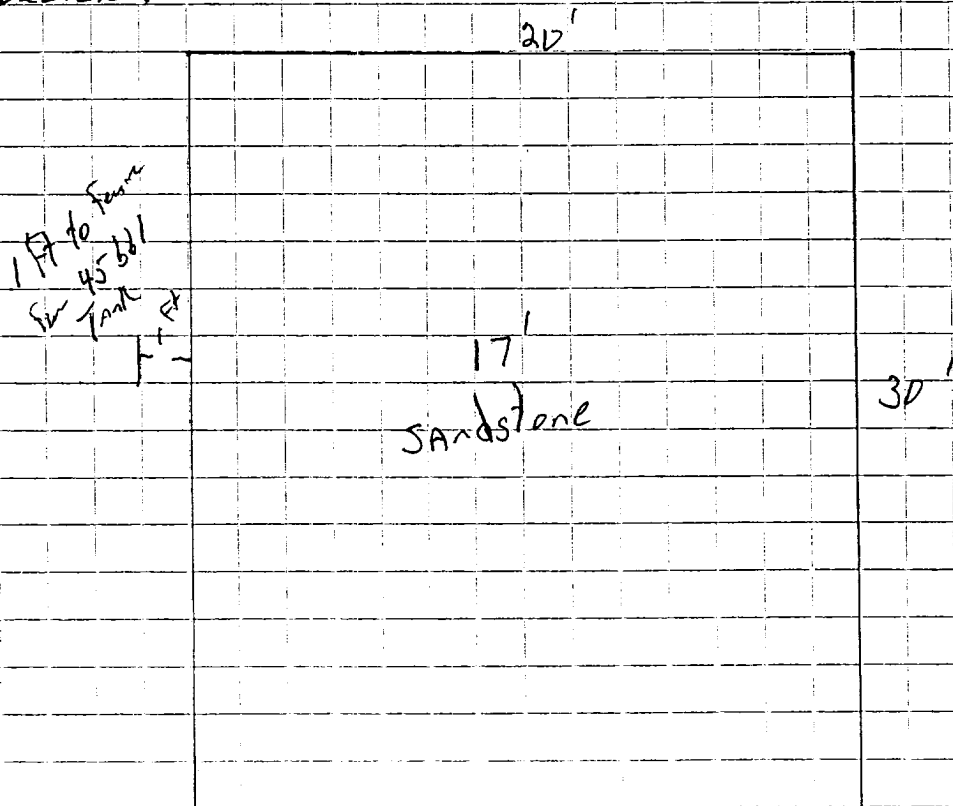
EH Pipken #5E
Cross Timbers
Sec. 36, 28N, 11W, J

7/28/98

start of excavation:



End of excavation:



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 06-May-98

CLIENT: PNM - Public Service Company of NM
Project: E.H. Pipkin #5E
Lab Order: 9804043

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: 06-May-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	E.H. Pipkin #5E
Work Order:	9804043	Client Sample ID:	9804281100; Bottom @ 17ft.
Lab ID:	9804043-01A	Matrix:	SOIL
Project:	E.H. Pipkin #5E	Collection Date:	4/28/98 11:00:00 AM
		COC Record:	7117

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	260	25		mg/Kg	1	4/30/98
BTEX		SW8020A				Analyst: DC
Benzene	310	50		µg/Kg	50	5/3/98
Toluene	4400	100		µg/Kg	50	5/3/98
Ethylbenzene	1200	50		µg/Kg	50	5/3/98
m,p-Xylene	8800	100		µg/Kg	50	5/3/98
o-Xylene	2100	50		µg/Kg	50	5/3/98

16,810
16,810 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: 06-May-98

Client: PNM - Public Service Company of NM
Work Order: 9804043
Lab ID: 9804043-02A **Matrix:** SOIL
Project: E.H. Pipkin #5E

Client Sample Info: E.H. Pipkin #5E
Client Sample ID: 9804281130; Walls @ 14ft.
Collection Date: 4/28/98 11:30:00 AM
COC Record: 7117

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: DC
T/R Hydrocarbons: C10-C28	170	25		mg/Kg	1	4/30/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	1		µg/Kg	1	5/3/98
Toluene	ND	2		µg/Kg	1	5/3/98
Ethylbenzene	ND	1		µg/Kg	1	5/3/98
m,p-Xylene	ND	2		µg/Kg	1	5/3/98
o-Xylene	ND	1		µg/Kg	1	5/3/98

Qualifiers:
 PQL - Practical Quantitation Limit
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S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 Surr - Surrogate

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Environmental Services

Well Name:	EH Pipken #5E
Well Legals:	Unit J, Sec 36, T28N, R11W
Pit Type:	Dehydrator
Horizontal Distance to Surface Water:	200 feet to 1,000 feet
Groundwater Depth:	Less than 50 feet

RISK ANALYSIS

PNM requests closure of their former pit on the EH Pipken #5E well site using a limited risk analysis based on the following conditions:

1. Groundwater is estimated to be at a depth of 40 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash. (Reference: East Fork Kutz Canyon, NM series 7.5 minute topographic map.)
2. PNM excavated 377 cubic yards of soil from the former pit. Source removal minimizes the possibility of surface water contamination.
3. Sandstone was encountered at 17 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
4. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the EH Pipken #5E well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 1000 pits.