Branch R. Tout District I DEPO 10 OL & CAS RESPECTOR

State of New Mexico Energy, Minerals and Natural Resources Department APPROPRIATE
DISTRICT OFFICE
AND I COPY TO
SANTA FE OFFICE

District II P.O. Drawer DD. Artesia. NM 8822 0 8 1999

District III 1000;Rio Brazos Rd, Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

Operator:	PNM Gas Services (Chateau) Telephone:	324-3764				
Address:	603 W. Elm Street Farmington, NM	87401					
Facility or Well Name: Davis #1 (Chateau)							
Location:	Unit G Sec	5 T26 N R	8 W County San Juan				
Pit Type:	Separator <u>F</u> Dehy	drator Other					
Land Type:	BLM State	Fee Other	Navajo land.				
Pit Location:	Pit dimensions: length	_20 ' width	20 depth 3				
(Attach diagran	n) Reference: wellhead	<u>✓</u> other					
	Footage from reference:	60'					
	Direction from reference:	Degrees 🛂	East North				
			of West South <u>√</u>				
Depth to Ground Water:		Less than 50 feet 50 feet to 99 feet	(20 points) (10 points) (0 points)	0			
(Vertical distance from contaminants to Greater than 100 feet (0 possessonal high water elevation of ground water			(o points)				
Wellhead Protection Area:							
(Less than 200 feet from a domestic water source, or feet from all other water s	, less than 1,000	Yes No	(20 points) (0 points)				
Distance to Su	rface Water:	Less than 200 feet 200 feet to 1,000 feet	(20 points) (10 points)				
(Horizontal distance to pe ponds, rivers, streams, cre canals and ditches		Greater than 1,000 feet	(0 points)				
		RANKING SCORE	(TOTAL POINTS):	0			

Davis #1 (Chateau)							
Date Remediation Started: 6/25/98		Date Completed: 6/25/98					
Remediation Method:	Excavation x	Approx. Cubic Yard 50					
(Check all appropriate sections)	Landfarmed x	Amount Landfarmed (cubic yds) 50					
sections	Other						
Remediation Location: (i.e., landfarmed onsite, name and	Onsite X	Offsite					
location of offsite facility)		NOV 1 2 1998					
Backfill Material Location:		an cold DIVo					
General Description of Rem	edial Action:	OUL GOLDO					
Excavated contaminated soil 12". Soil was aerated by dis	to a pit size of 17' X 20' X 4' and landfa king/plowing until soil met regulatory lev	rmed soil onsite within a bermed area at a depth of 6" to els.					
	at 4'. See attached risk analysis and lab						
Ground Water Encountered: No Yes Depth							
Final Pit Closure Sampling:	Sample Location Bottom of exca	vation.					
(if multiple samples, attach sample result and diagram of sample locations and depths.)	Sample depth 4'						
sample locations and depuis.)	Sample date 6/25/98	Sample time 1:45:00 PM					
	Sample Results						
	Benzene (ppm) < 1.0	0000					
	Total BTEX (ppm)	65.5000 ***					
	Field headspace (ppm)						
	TPH (ppm) 120.00	Method 8015					
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 THA KNOWLEDGE AND MY B		RUE AND COMPLETE TO THE BEST OF MY					
DATE October 29, 199	eugann_	PRINTED NAME Maureen Gannon AND TITLE Project Manager					



Well Name:

Well Legals:

Pit Type:

Horizontal Distance to Surface Water:

Groundwater Depth:

Davis #1 Unit G, Sec 5, T26N, R8W Separator Greater than 1,000 feet Greater than 100 feet

RISK ANALYSIS

PNM requests closure of their former pit on the Davis #1 well site using a limited risk analysis based on the following conditions:

- Groundwater is estimated to be at a depth of 174 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" river. (Reference: Fresno Canyon, NM topographic map.)
- 2. The site is not located within 200 feet of a domestic water well and is not within 1,000 feet of any other water source.
- 3. PNM excavated 50 cubic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached analytical results). Source removal minimizes the possibility of surface water contamination.
- 4. Sandstone was encountered at 4 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
- PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Davis #1 well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 800 pits.

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 07-Jul-98

CLIENT:

PNM - Public Service Company of NM

Project:

Davis #1

Lab Order:

9806105

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.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-Jul-98

Client:

PNM - Public Service Company of NM

Work Order:

9806105

Lab ID: Project:

Davis #1

9806105-01A

Matrix: SOIL

Client Sample Info: Davis #1

Client Sample ID: 9806251345; Bottom Collection Date: 6/25/98 1:45:00 PM

COC Record: 7245

SW8015			Analyst: HR	
120	25	mg/Kg	1	7/3/98
SW80		•		Analyst: HR
ND	1000	ug/Kg	1000	7/1/98
ND	1000			7/1/98
8700				7/1/98
49000		,		7/1/98
7800				7/1/98
	120 SV ND ND 8700 49000	120 25 SW8020A ND 1000 ND 1000 8700 1000 49000 2000	120 25 mg/Kg SW8020A ND 1000 μg/Kg ND 1000 μg/Kg 8700 1000 μg/Kg 49000 2000 μg/Kg	120 25 mg/Kg 1 SW8020A ND 1000 μg/Kg 1000 ND 1000 μg/Kg 1000 8700 1000 μg/Kg 1000 49000 2000 μg/Kg 1000

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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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 07-Jul-98

Client:

PNM - Public Service Company of NM

Work Order:

9806105

9806105-02A

Matrix: SOIL

Lab ID: Project:

Davis #1

Client Sample Info: Davis #1

Client Sample ID: 9806251400; Walls Collection Date: 6/25/98 2:00:00 PM

COC Record: 7245

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

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Sec. 5, 26N, 8W	••	
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980720 1430		

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LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

PNM - Public Service Company of NM

Project:

PNM Pit Remediation

Lab Order:

CLIENT:

9807058

CASE NARRATIVE

Date: 28-Jul-98

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.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:

PNM - Public Service Company of NM

Work Order:

9807058

900/030

9807058-12A

Matrix: SOIL

Lab ID: Project:

PNM Pit Remediation

Client Sample Info: Davis #1 LF

Client Sample ID: 9807201430; 6pt. Comp.

Collection Date: 7/20/98 2:30:00 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

1 of 1