DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL -GAS **ADMINISTRATION**

P.O. BOX 507 DULCIE, NEW MEXICO 87528

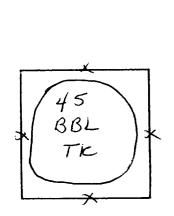
PIT REMEDIATION AND CLOSURE REPORT

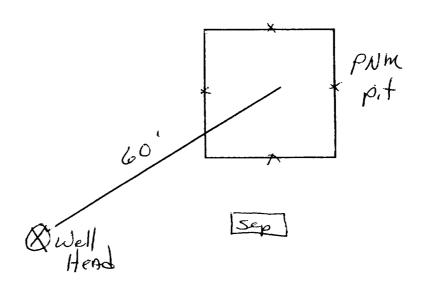
Operator: PNM Gas Services (Cono	CO) Telephone: 324-3764						
Address: 603 W. Elm Street Farmington, I IM 874							
Facility or Well Name: Axi Apache J-14							
Location: Unit: P Sec.	T. 25 N R. 5 W County Rio Arriba						
Pit Type: Separator X Dehydeator	Other						
Land Type: Jicarilla Apache							
Pit Location: Pit dimensions: ler gth	/8 width /8 depth 2 d						
(Attach diagram) Reference: wellhead	χ other						
Footage from reference:	60'						
Direction from reference 30							
	of West South						
Depth to Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water) Wellhead Protection Area: (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: (Horizontal distance to perennial	•						
lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) Distance to Ephemeral Stream (dry wash): (Horizontal distance to all downgradient streams having a width of at least 10 feet)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)						
Distance to Nearest Lake, Playa, or Watering Pond: (Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)	Less than or equal to 100 feet (10 points) Greater than 100 feet (0 points)						
	RANKING SCORE (TOTAL POINTS):						

Date Remediation Started	: 7/15/98	Date Completed:	9/9/98		
Remediation Method:	Excavation X	Approx. Cubic Yards	78		
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic	yds): 78		
sections)	Other				
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite			
General Description of R Removed Con- as to get a 1s hand san	taminated Soil f	Rom all four side Padspace reading. f	Pit bottom		
Ground Water Encounte	red: No <u><</u> Ye	s Depth			
Final Pit Closure Sampling:	Sample Location Nort	h, EAST, South, West Pit bottom	Side walls		
(if multiple samples, attach sample result and diagram of	Sample depth 5				
sample locations and depths.)	Sample date $\frac{7/15/96}{2}$	Sample time	/335		
	ample Results	Materia Bernana (m			
	Senzene (ppm) 6.400	Water: Benzene (p			
	otal BTEX (ppm <u>135.400</u>	Ethylbenzen			
	Teld headspace (pl m) 105 TPH 1300 ppr Method	Total Xylene			
Ground Water Sample			ample results)		
I HEREBY CERTIFY THA KNOWLEDGE AND MY B		S TRUE AND COMPLETE TO T	HE BEST OF MY		
	1	RINTED NAME Roy Burnham	1		
SIGNATURE Roy	Burnhow ,	AND TITLE Environmental T	echnician II		
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES 📐	NO (REAS	SON): RA. Attache	d		
SIGNED: Kor	2 Man [2]	NATE: 8-18-98			

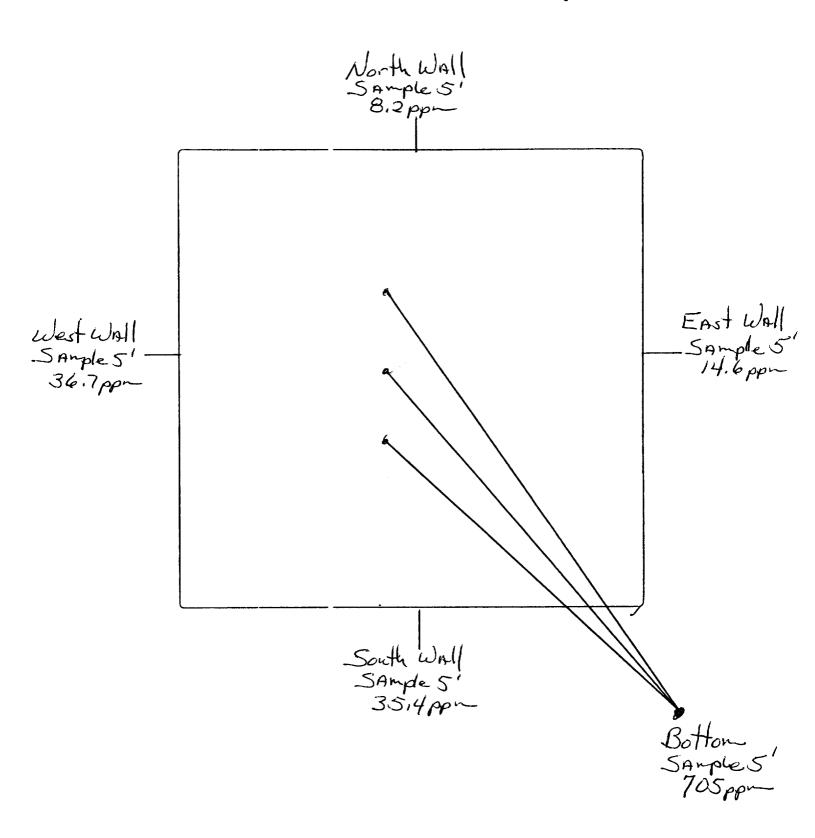
Sec. 7 T25N RSW UnitP Conoco

. Site Drawing





meter House Excavation Drawing



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Compan / of NM

Project:

PNM Pit Remediation

Lab Order:

9807044

CASE NARRATIVE

Date: 28-Jul-98

Samples were analyzed using the method 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.

ATATANAN TAN

LAB: (505) 325-1556

Date: 28-Jul-98

ANA LYTICAL REPORT

Client:

Lab ID:

PNM - Public Service Compary of NM

Work Order:

9807044

9807044-04A

Matrix: S IL

Project:

PNM Pit Remediation

Client Sample Info: Axi Apache J-14

Client Sample ID: 9807151335; 3pt. Composite-bottom

Collection Date: 7/15/98 1:35:00 PM

COC Record: 7267

Parameter	Res: lt	PQL Q	ial Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	13(-)	25	mg/Kg	1	7/27/98
ВТЕХ	SW8020A				Analyst: DC
Benzene	64C)	2000	μg/Kg	2000	7/24/98
Toluene	4200)	4000	μg/Kg	2000	7/24/98
Ethylbenzene	1100)	2000	μg/Kg	2000	7/24/98
m,p-Xylene	6000	4000	μg/Kg	2000	7/24/98
o-Xylene	1600)	2000	μg/Kg	2000	7/24/98

13,2400 bbw

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantital on Limit

J - Analyte detected below Practical Que ititation Limit

B - Analyte detected in the associated M thod Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

I of I



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 28-Jul-98

Client:

PNM - Public Service Company of NM

Work Order:

9807044

9807044-03A

Matrix: SOIL

Lab ID: Project:

PNM Pit Remediation

Client Sample Info: Axi Apache J-14

Client Sample ID: 9807151330; 4pt. Composite - Lalls

Collection Date: 7/15/98 1:30:00 PM

COC Record: 7267

Parameter	Res ilt	PQL (Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	sv	V8015		Analyst: HR	
T/R Hydrocarbons: C10-C28	V-)	25	mg/Kg	1	7/23/98

Qualifiers:

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantita ion Limit

J - Analyte detected below Practical Qu ntitation Limit

B - Analyte detected in the associated N ethod Blank

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Surr: - Surrogate

1 of 1



Well Name:

Well Legals:

Pit Type:

Horizontal Distance to Surface Water:

Groundwater Depth:

Axi Apache J #14 Unit P, Sec 7, T25N, R5W Separator Greater than 1,000 feet Greater than 100 feet

RISK ANALYSIS

PNM requests closure of their forme: pit on the Axi Apache J #14 well site using a limited risk analysis based on the following conditions:

- 1. Groundwater is estimated to be at a depth of 172 feet based upon the elevation of the site and the elevation of the nearest "listed" or "named" wash (Gonzales Canyon). (Reference: Gonzales Mesa, NM series 7.5 minute topographic map.)
- 2. The site is located outside of the "vulnerable area" as defined under OCC Order No. R-7940-C.
- 3. PNM excavated 78 cut ic yards of soil from the former pit. Subsurface lateral contamination has been remediated (see attached map and analytical results for the side wall profiles). Source removal minimizes the possibility of surface water contamination.
- 4. Sandstone was encoul tered at 5 feet below ground surface. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is unlikely.
- 5. PNM excavated and performed remediation to the maximum depth and horizontal extent practicable.

PNM believes their former pit on the Axi Apache J #14 well site poses minimal threat to groundwater, human health and the environment based upon our past experience in excavating over 800 pits.

JICARILLA APACHE TRIBE ENV RONMENTAL PROT ECTION OFFICE P O. BOX 507 DULCE, NEW MEXICO 87528

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL -GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator:	PNM Gas Services	(()) CO) T	elenhone:	324-3764	
-		·Con	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Address:	603 W. Elm Street Farmingt:	on, NM 87401				
Facility or W	ell Name: $\bigcirc \times i$	Jpach	2 J-1	4		
Location:	Unit: P	Sec.	т. 2	6 N R.	5 W County Rio Arriba	
Land Type:	Jicarilla Apache					
Date Remediation	on Started: 7//	5/98		Date Completed:	8/20/98	
Remediation Me	ethod: Landfarmed	×		Approx. cubic yards	~7.0	
	Composted					
Depth to Grou	nd Water:	(pts.)	0		Final Closure Sampling:	
,	Ephemeral Stream:	(pts.)	9		ni /	
1	earest Lake, Playa,	(pts.)	8	Sampling Date Sampling Res		
Wellhead Prote	ection Area:	(pts.)	0	Field Heads	pace (ppm) 7.8	
Distance to Su	urface Water:	(pts.)	e	ТРН	(ppm) <u>5/</u> Method <u>80/5</u>	
Ranking S	core (Total Points):		<u>Ø</u>	Other		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF						
DATE	8/29/98		'RINTED NAME	Roy Burnha	m	
	8/29/98 Roy Burnha	·				
SIGNATURE	ry b win ha		AND TI	ILE Environn	nental Technician II	
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE						
APPROVED:	YES NO	(REA	3ON)	use as	Bockfull	
SIGNED:	Kenc M.	<u> </u>	DATE:	9-9	-98	

Sec. 7 T25N R5W Unit P Conoco

LAndfarm Drawing

80' 0.0 ppm 0.0 ppm 0.0 pm

LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 26-Aug-98

CLIENT:

PNM - Public Service Company of NM

Project:

PNM Pit Remediation

Lab Order:

9808036

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/c r matrix spikes met quality assurance objectives.



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 26-Aug-98

Client:

PNM - Public Service Company of NM

Work Order:

9808036

Lab ID:

9808036-10A

Matrix: OIL

Project:

PNM Pit Remediation

Client Sample Info: Axi Apache J-14 LF

Client Sample ID: 9808170920; 5pt. Comp.

Collection Date: 8/17/98 9:20:00 AM

COC Record: 7333/34/35

Parameter	Realt	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	sv	V8015			Analyst: HR
T/R Hydrocarbons: C10-C28	51	25	mg/Kg	1	8/20/98

Qualifiers:

PQL - Practical Quant tation Limit

ND - Not Detected at Practical Quantitation Limit

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