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DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

SUBMIT 1 COPY TO NATURAL RESOURCE DEPT AND OIL GAS ADMINISTRATION

FEB 0 8 1999

P.O. BOX 507 DULCE, NEW MEXICO 87528

PIT REMEDIATION AND CLOSURE REPORT

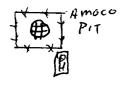
Operator: PNM Gas Services (Am	OCO) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM	87401
Facility or Well Name: JICARILLA	B-2
Location: Unit: 3 Sec. 16	T. 26N R. 5 W County Rio Arriba
Pit Type: Separator Y Dehydrator	<u> </u>
Land Type: Jicarilla Apache	
Pit Location: Pit dimensions: length	20' width 20' depth 3'
(Attach diagram) Reference: wellhe	ad X other
Footage from reference:	100'
Direction from reference:	45° Degrees East North
en e	of West South
Depth to Ground Water:	Less than 50 feet (20 points)
(Vertical distance from contaminants to seasonal high water elevation of ground water)	50 feet to 99 feet (10 points) Greater than 100 feet (0 points)
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)
Ollicance 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)
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):

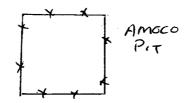
Date Remediation Starte	d: <u>4/15/98</u>	Date Completed:	9/9/98		
Remediation Method:	Excavation	Approx. Cubic Yards	292		
(Check all appropriate	Landfarmed X	Amount Landfarmed (cubic	c yds):3 0		
sections)	Other Philableuyds	haulad to T.N.T	· LAND frem		
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite X	Offsite Stockyds Schmitz	T.N.T. LANDFARM RANCH N.M.		
As to get a	ontaminated Soil below 100ppm he ne rock 3 PT Comp	From all Four ead space reading posite sample Ta	r side walls Bottom was ken.		
Ground Water Encount		Depth			
Final Pit Closure Sampling:	Sample Location North	h, East, South, and Pit both	west side		
(if multiple samples, attach sample result and diagram of	Sample depth 8'				
sample locations and depths.)	Sample date <u>6/11/98</u>	Sample time	0946		
	Sample Results Benzene (ppm)	Water: Benzene (p	inh)		
	Total BTEX (ppm	_ Toluene (p			
	Field headspace (ppm) 93.2	— Ethylbenzer	ne (ppb)		
	TPH ND 73 ppm Method	ろのIS Total Xylend	es (ppb)		
Ground Water Sample	e: Yes No	(If yes, attach s	ample results)		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND MY BELIEF					
DATE <u>6/27/</u>	^	ITED NAME Roy Burnhan	1		
SIGNATURE Roy 1	3 uenham AN	D TITLE Environmental 1	Fechnician II		
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.					
APPROVED: YES	NO (REASO	N):			
SIGNED: Louis	Manll DAT	E: 6-79-98			

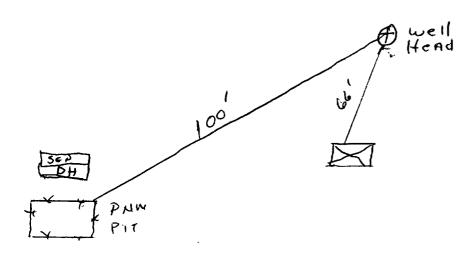
S-16 T26H RSW unil T Amoco



SITE DRAWING

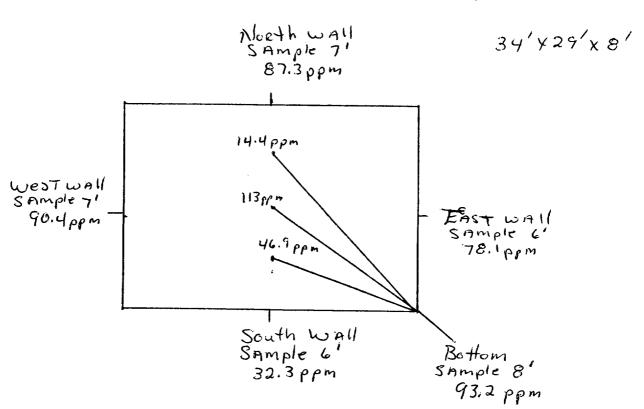






Sec 16 T26N R-5W UNIT J AMOCO

Excapation DRAWing



5' SAMPle - 875 ppm Betten 8' SAMPle - 144 ppm 8' SAMPle - 113.7 ppm 8' SAMPle - 46.9 ppm OFF: (505) 325-5667

LAB: (505) 325-1556

TECHNOLOGIES, LTD.

On Site Technologies, LTD.

Date: 24-Jun-98

CLIENT:

PNM - Public Service Company of NM

Project:

PNM Pit Remediation

Lab Order:

9806079

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: 24-Jun-98

Client:

Lab ID:

Project:

PNM - Public Service Company of NM

Work Order:

9806079

9806079-02A

PNM Pit Remediation

Matrix: SOIL

Client Sample Info: Jicarilla B-2

Client Sample ID: 9806160946; 3pt. Comp. Bottom

Collection Date: 6/16/98 9:46:00 AM

COC Record: 5640

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	SV ND	V8015 25	m g /Kg	1	Analyst: DC 6/24/98

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

OFF: (505) 325-5667

LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 24-Jun-98

Client:

Lab ID:

Project:

PNM - Public Service Company of NM

Work Order:

9806079

9806079-01A

PNM Pit Remediation

Matrix: SOIL

Client Sample Info: Jicarilla B-2

Client Sample ID: 9806160945; 4pt. Comp. Walls

Collection Date: 6/16/98 9:45:00 AM

COC Record: 5640

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	SW8015 ND 25 mg/Kg		g 1	Analyst: DC 6/24/98	

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

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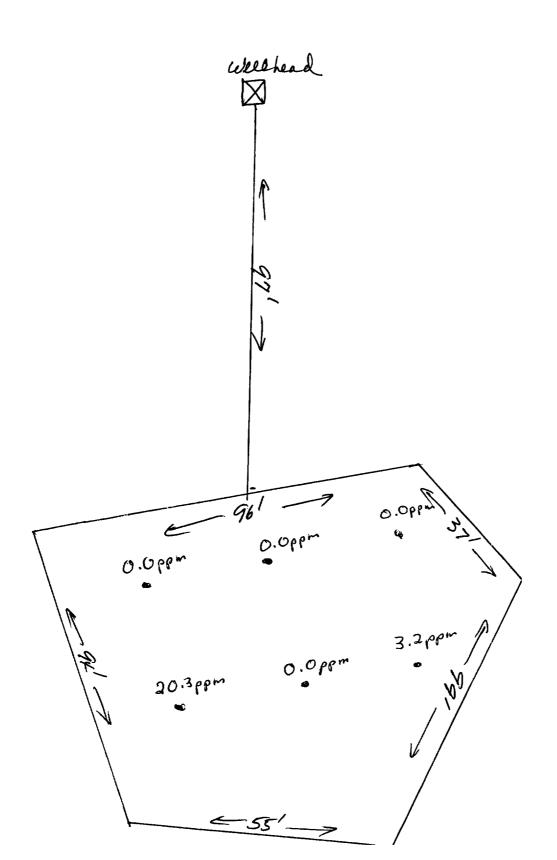
JICARILLA APACHE TRIBE
ENVIRONMENTAL
PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528

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

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Amoco) Telephone: 324-3764					
Address: 603 W. Elm Street Farmington, NM 87401					
Facility or Well Name: JICARI//4 13-2					
Location: Unit: Sec. 16 T. 26 N R. 5 W County Rio Arriba					
Land Type: Jicarilla Apache					
Date Remediation Started: 4/15/98 Date Completed: 8/18/98 Remediation Method: Landfarmed X Approx. cubic yards 230 Composted Other					
Depth to Ground Water: (pts.) 6 Final Closure Sampling:					
Distance to an Ephemeral Stream: (pts.) Sampling Date: 8//3/98 Time 1/25					
Distance to Nearest Lake, Playa, (pts.) Ø Sampling Results:					
Wellhead Protection Area: (pts.) B Field Headspace (ppm) 20.3					
Distance to Surface Water: (pts.) 6 TPH (ppm) 27 Method 8015					
Ranking Score (Total Points):					
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF					
DATE 8/29/98 PRINTED NAME Roy Burnham SIGNATURE Roy Burnham AND TITLE Environmental Technician II					
SIGNATURE Roy Bunlon AND TITLE Environmental 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 X NO (REASON) Use as Backfull					
SIGNED: Leve Mand DATE: 9-9-98					

JICARILLA B-Z
AMOCO
UNIT J SEC. 16 T26N REW
LAND FARM DRAWING



LAB: (505) 325-1556

On Site Technologies, LTD.

CLIENT:

PNM - Public Service Company of NM

Project: .

PNM Pit Remediation

Lab Order:

9808030

CASE NARRATIVE

Date: 20-Aug-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.

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 20-Aug-98

Client:

PNM - Public Service Company of NM

Work Order:

9808030

9808030-01A

Matrix: SOIL

Lab ID: Project:

PNM Pit Remediation

Client Sample Info: Jicarilla B-2 LF

Client Sample ID: 9808131125; 6pt. Comp.

Collection Date: 8/13/98 11:25:00 AM

COC Record: 7332

Parameter	Result	PQL	Qual Units	DF	Date Analyzed
DIESEL RANGE ORGANICS	SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	27	25	mg/Kg	1	8/18/98

Qualifiers:

PQL - Practical Quantitation Limit

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S - Spike Recovery outside accepted recovery limits

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