

*Jerry E. Foust*  
DEPUTY OIL & GAS INSPECTOR

## JICARILLA APACHE TRIBE

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

FEB 08 1999

**ENVIRONMENTAL PROTECTION OFFICE**

P.O. BOX 507  
DULCE, NEW MEXICO 87528

Approved  
**PIT RE**

## PIT REMEDIATION AND CLOSURE REPORT

<b>Operator:</b> <u>PNM Gas Services (TAURUS)</u>		<b>Telephone:</b> <u>324-3764</u>	
<b>Address:</b> <u>603 W. Elm Street Farmington, NM 87401</u>			
<b>Facility or Well Name:</b> <u>JICARILLA L-8</u>			
<b>Location:</b>	Unit: <u>P</u>	Sec. <u>33</u>	T. <u>25 N</u> R. <u>5 W</u> County <u>Rio Arriba</u>
<b>Pit Type:</b>	Separator <u>X</u>	Dehydrator <u>    </u>	Other <u>    </u>
<b>Land Type:</b> <u>Jicarilla Apache</u>			

<b>Pit Location:</b>	<b>Pit dimensions:</b>	length <u>20'</u>	width <u>20'</u>	depth <u>3'</u>
(Attach diagram)	<b>Reference:</b>	wellhead <u>X</u>	other <u>    </u>	
<b>Footage from reference:</b>		<u>147'</u>		
<b>Direction from reference:</b>		<u>45</u> Degrees	East <u>    </u>	North <u>    </u>
			West <u>    </u>	South <u>    </u>

<b>Depth to Ground Water:</b> <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)	<u>2</u>
	Greater than 100 feet	(0 points)	<u>    </u>
<b>Wellhead Protection Area:</b> <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)	<u>2</u>
	No	(0 points)	<u>    </u>
<b>Distance to Surface Water:</b> <small>(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)</small>	Less than 200 feet	(20 points)	<u>2</u>
	200 feet to 1,000 feet	(10 points)	<u>    </u>
	Greater than 1,000 feet	(0 points)	<u>    </u>
<b>Distance to Ephemeral Stream (dry wash):</b> <small>(Horizontal distance to all downgradient streams having a width of at least 10 feet)</small>	Less than or equal to 100 feet	(10 points)	<u>2</u>
	Greater than 100 feet	(0 points)	<u>    </u>
<b>Distance to Nearest Lake, Playa, or Watering Pond:</b> <small>(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)</small>	Less than or equal to 100 feet	(10 points)	<u>2</u>
	Greater than 100 feet	(0 points)	<u>    </u>

**RANKING SCORE (TOTAL POINTS):** 2

Date Remediation Started: 7/8/98 Date Completed: 7/9/98

Remediation Method: Excavation X Approx. Cubic Yards 1138

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 1138

Other \_\_\_\_\_

Remediation Location: Onsite X Offsite \_\_\_\_\_

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed contaminated soil from all four side walls and pit bottom as to get a below 100 ppm head space reading. Excavation size 40'x32'x24'

Ground Water Encountered: No X Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit Closure Sampling:

Sample Location North, East, South, West side walls

(if multiple samples, attach sample result and diagram of sample locations and depths.)

Sample depth 24'

Sample date 7/13/98 Sample time 0944

Sample Results

Soil: Benzene (ppm) \_\_\_\_\_ Water: Benzene (ppb) \_\_\_\_\_

Total BTEX (ppm) \_\_\_\_\_ Toluene (ppb) \_\_\_\_\_

Field headspace (ppm) 82.7 Ethylbenzene (ppb) \_\_\_\_\_

TPH ND ppm Method 8015 Total Xylenes (ppb) \_\_\_\_\_

Ground Water Sample: Yes \_\_\_\_\_ No X (If yes, attach sample results)

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

DATE 7/26/98

PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham

AND TITLE Environmental Technician II

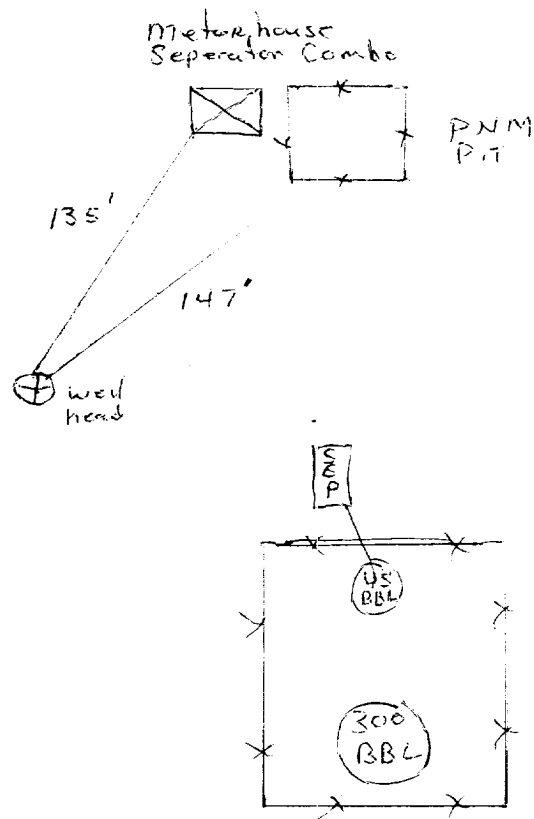
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO \_\_\_\_\_ (REASON): \_\_\_\_\_

SIGNED: Kear C Marshall DATE: 7-28-98

Jicarella 2-8  
8-33 T25N R5W Unit P

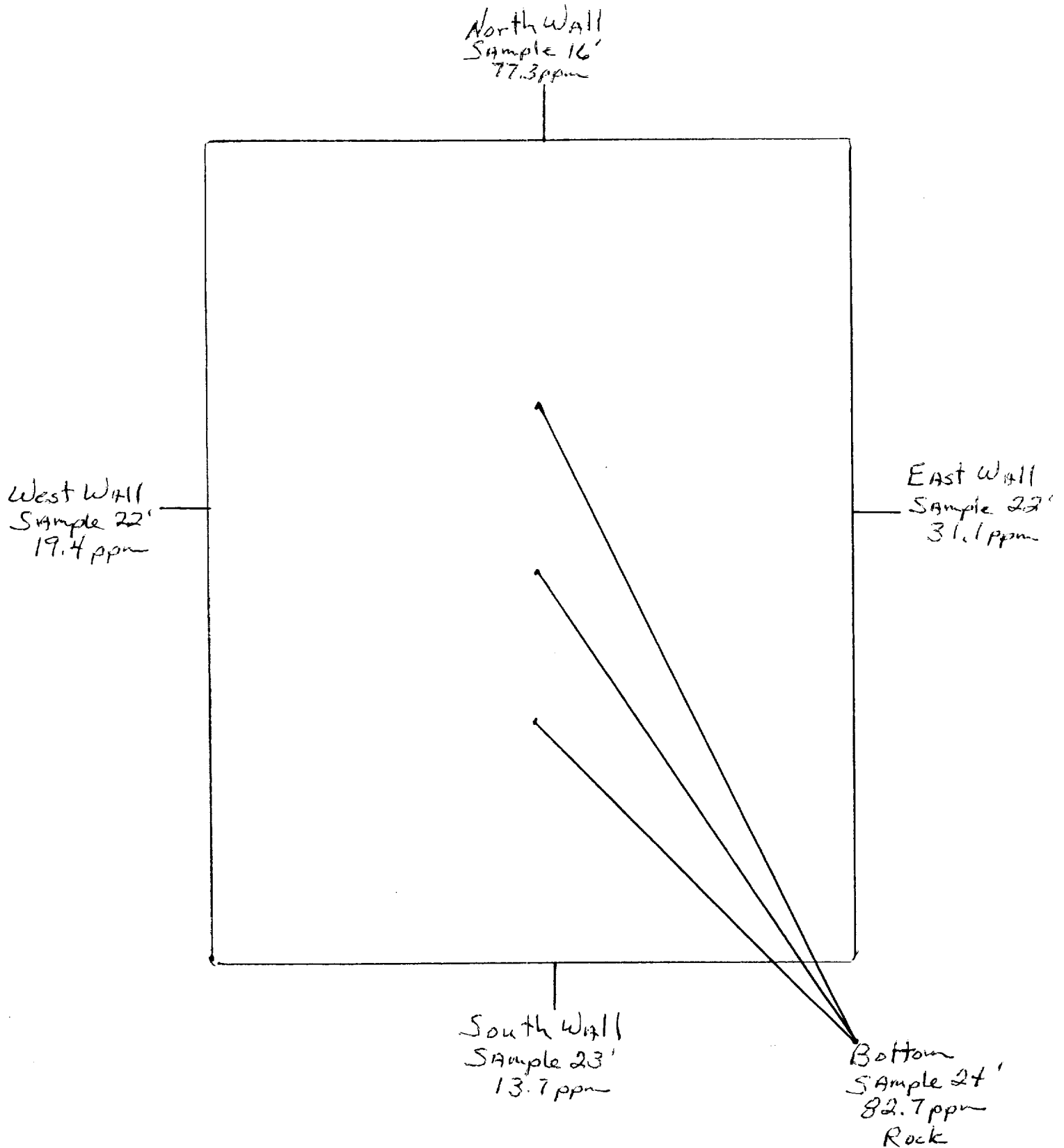
# Site Drawing



112AM111A L-0  
Sec 33 T25N R5W Unit P  
TAURUS

# Excavation Drawing

40' x 32' x 24'



OFF: (505) 325-5667

# ON SITE

TECHNOLOGIES, LTD.

LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 23-Jul-98

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**CLIENT:** PNM - Public Service Company of NM  
**Project:** PNM Pit Remediation  
**Lab Order:** 9807040

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## 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: 23-Jul-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Jicarilla L-8
<b>Work Order:</b>	9807040	<b>Client Sample ID:</b>	9807130944; 3pt. Comp. Bottom
<b>Lab ID:</b>	9807040-02A	<b>Matrix:</b>	SOIL
<b>Project:</b>	PNM Pit Remediation	<b>Collection Date:</b>	7/13/98 9:44:00 AM
		<b>COC Record:</b>	7263

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	7/21/98

**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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- PROVIDING BEST QUALITY SERVICE TO THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 23-Jul-98

**Client:** PNM - Public Service Company of NM  
**Work Order:** 9807040  
**Lab ID:** 9807040-01A     **Matrix:** SOIL  
**Project:** PNM Pit Remediation

**Client Sample Info:** Jicarilla L-8  
**Client Sample ID:** 9807130943; 4pt. Comp. Walls  
**Collection Date:** 7/13/98 9:43:00 AM  
**COC Record:** 7263

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	Analyst: HR 7/21/98

**Qualifiers:**  
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AND OIL GAS  
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (Taurus) Telephone: 324-3764  
Address: 603 W. Elm Street Farmington, NM 87401  
Facility or Well Name: Jicarilla L-8  
Location: Unit: P Sec. 33 T. 25' N R. 5 W County Rio Arriba  
Land Type: Jicarilla Apache

Date Remediation Started: 7/8/98 Date Completed: 8/20/98  
Remediation Method: Landfirmed ☒ Approx. cubic yards 1138  
Composted ☐  
Other ☐

Depth to Ground Water: (pts.) 6  
Distance to an Ephemeral Stream: (pts.) 6  
Distance to Nearest Lake, Playa,  
or Watering Pond: (pts.) 6  
Wellhead Protection Area: (pts.) 6  
Distance to Surface Water: (pts.) 6  
Ranking Score (Total Points): 6

Final Closure Sampling:  
Sampling Date: 8/17/98 Time 0657  
Sampling Results:  
Field Headspace (ppm) 5.1  
TPH (ppm) N/D Method 8015  
Other

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

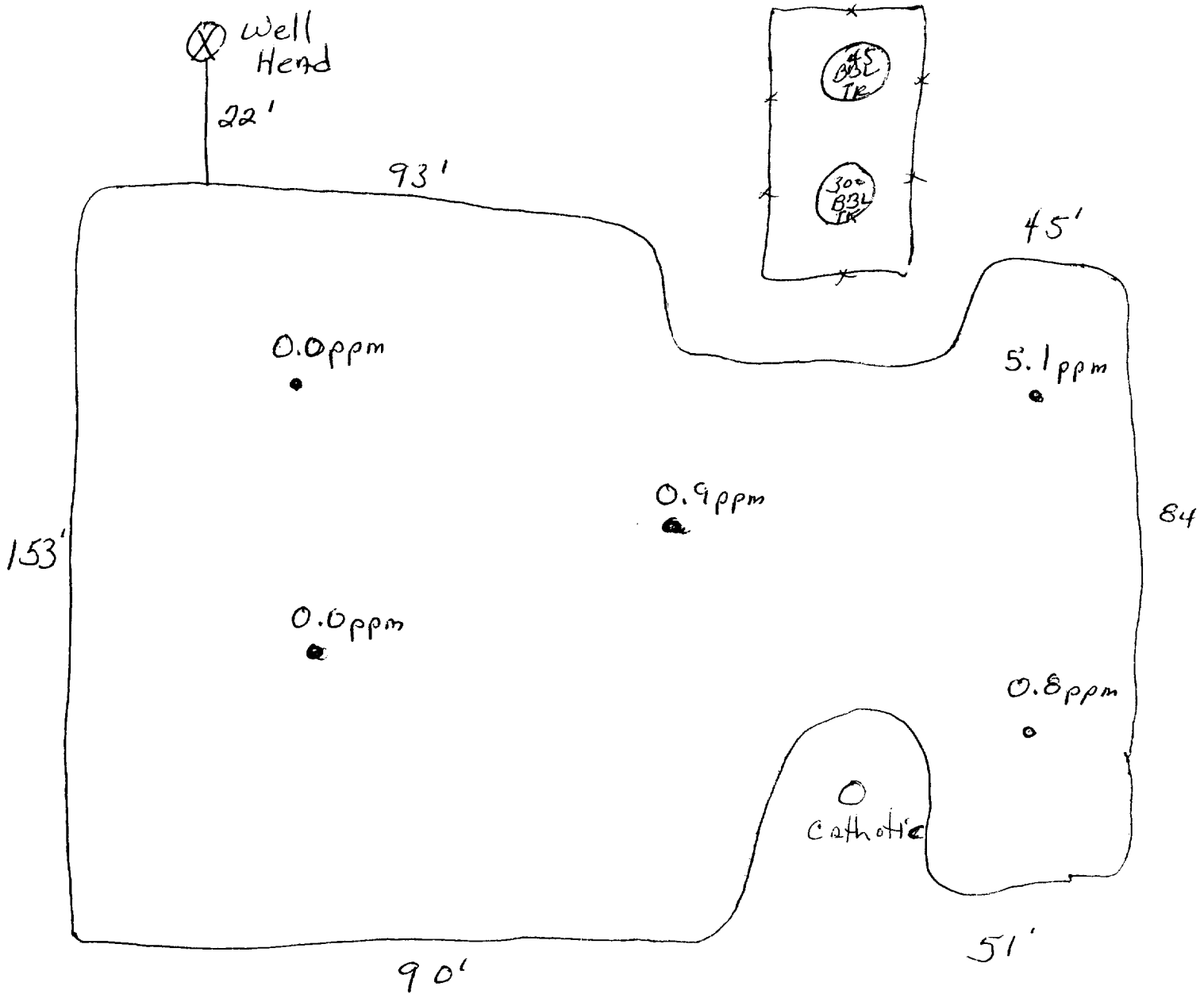
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE  
JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE

APPROVED: YES ☒ NO ☐ (REASON) use as Backfill  
SIGNED: Ken C. M... DATE: 9-9-98



Sec. 33 T25N R5W Unit P  
Taurus

# Land farm Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 26-Aug-98

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**CLIENT:** PNM - Public Service Company of NM

**Project:** PNM Pit Remediation

**Lab Order:** 9808036

## **CASE NARRATIVE**

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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: 26-Aug-98

**Client:** PNM - Public Service Company of NM  
**Work Order:** 9808036  
**Lab ID:** 9808036-04A    **Matrix:** SOIL  
**Project:** PNM Pit Remediation

**Client Sample Info:** Jicarilla L-8 LF  
**Client Sample ID:** 9808170657; 5pt. Comp.  
**Collection Date:** 8/17/98 6:57:00 AM  
**COC Record:** 7333/34/35

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	8/20/98

**Qualifiers:**

PQL - Practical Quantitation Limit

ND - Not Detected at Practical Quantitation Limit

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