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Oil & Gas Inspector

FEB 08 1999

Approved

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services ( BROG ) Telephone: 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: JICARILLA 103-8

Location: Unit: P Sec. 19 T. 26 N R. 4 W County Rio Arriba

Pit Type: Separator X Dehydrator X Other                     

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 26' width 20' depth 3'

(Attach diagram) Reference: wellhead X other                     

Footage from reference: 80'

Direction from reference: Straight Degrees 0 East                      North                       
due of                      West                      South X

Depth to Ground Water:   
Vertical distance from contaminants to seasonal high water elevation of ground water)   
Less than 50 feet (20 points)   
50 feet to 99 feet (10 points)   
Greater than 100 feet (0 points) 0

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) 0

Distance 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) 0

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) 0

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) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 10/12/98 Date Completed: 12/15/98

Remediation Method: Excavation X Approx. Cubic Yards 1156

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 1156

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 100ppm headspace reading. Final excavation: 40' X 30' X 26'.

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

Final Pit Closure Sampling:

Sample Location North East South, West, Side walls and Pit bottom

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

Sample depth 26'

Sample date 10/14/98 Sample time 0730  
0732

Sample Results

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

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

Field headspace (ppm) 936 33.4 (bottom) Ethylbenzene (ppb) \_\_\_\_\_

TPH 93 N/D 47 ppm Method SC15 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 10/27/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

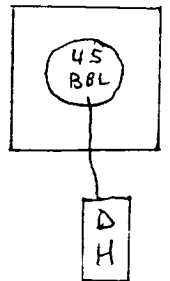
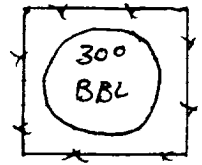
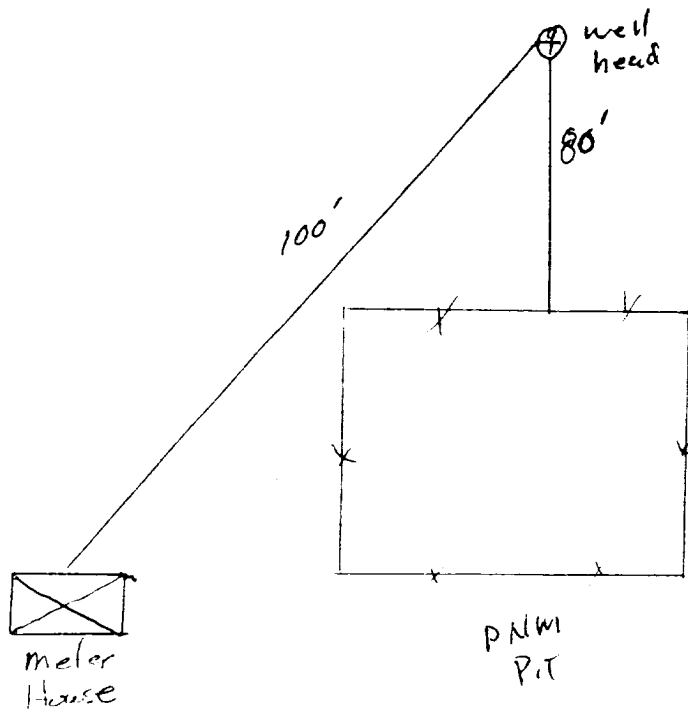
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

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

SIGNED: Kee C M... DATE: 11-2-98

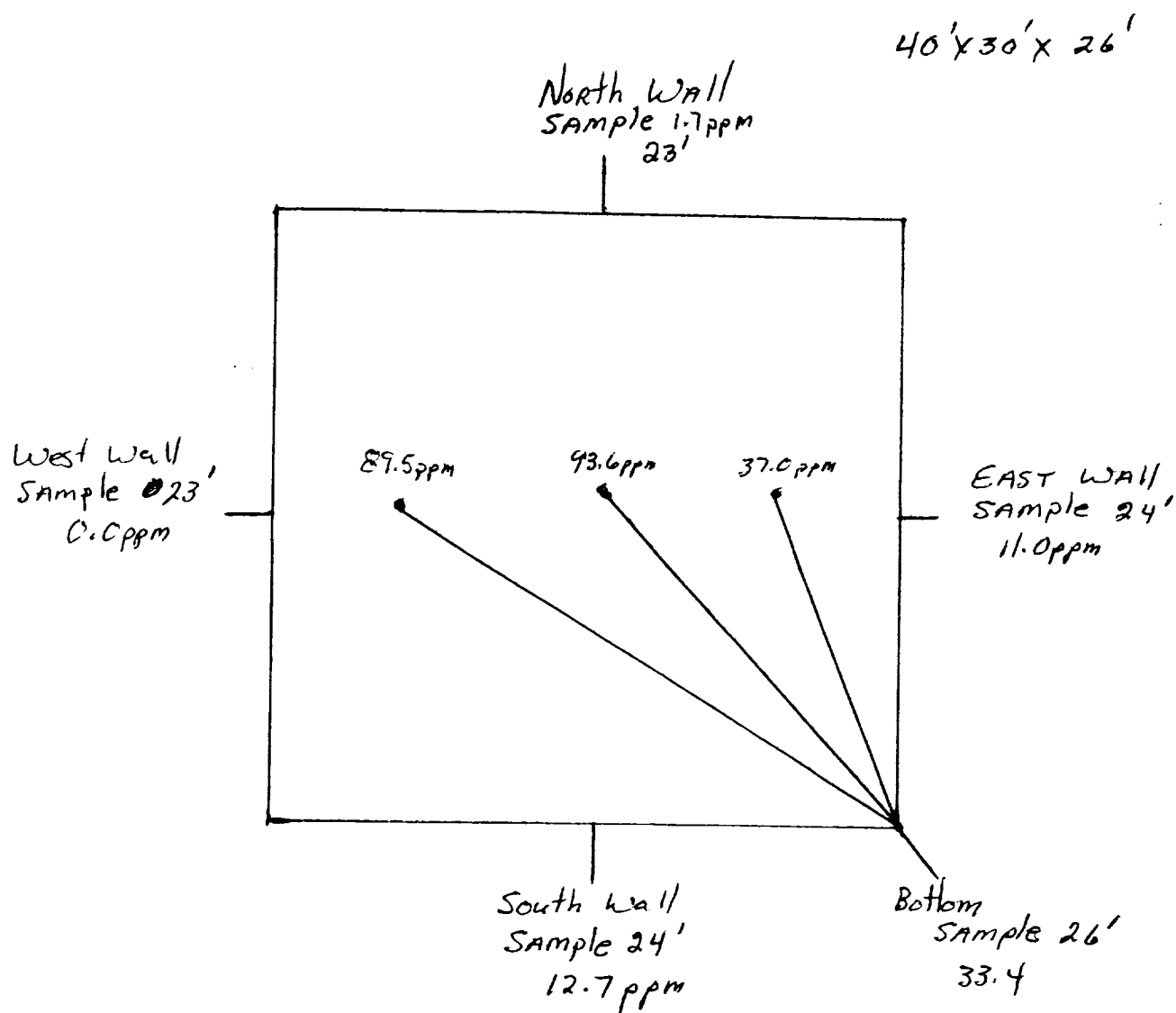
JICARILLA 103-B  
Sec-19 T-26N R-5W UL-P  
BROG

# Site Drawing



JICARILLA 103-8  
Sec-19 T-26N R4W U2 P  
BRCE

# EXCAVATION DRAWING



Not to Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 23-Oct-98

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

**Project:** Jicarilla 103-8

**Lab Order:** 9810053

## **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: 23-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla 103-8
Work Order:	9810053	Client Sample ID:	9810140932; 3pt. Comp. Bottom
Lab ID:	9810053-02A	Matrix:	SOIL
Project:	Jicarilla 103-8	Collection Date:	10/14/98 9:32:00 AM
		COC Record:	7352

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 10/22/98

### 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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OFF: (505) 325-5667



LAB: (505) 325-1556

## ANALYTICAL REPORT

Date: 23-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla 103-8
Work Order:	9810053	Client Sample ID:	9810140930; 4pt. Comp. Walls
Lab ID:	9810053-01A	Matrix:	SOIL
Project:	Jicarilla 103-8	Collection Date:	10/14/98 9:30:00 AM
		COC Record:	7352

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				Analyst: HR
T/R Hydrocarbons: C10-C28	41	25		mg/Kg	1	10/21/98

**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

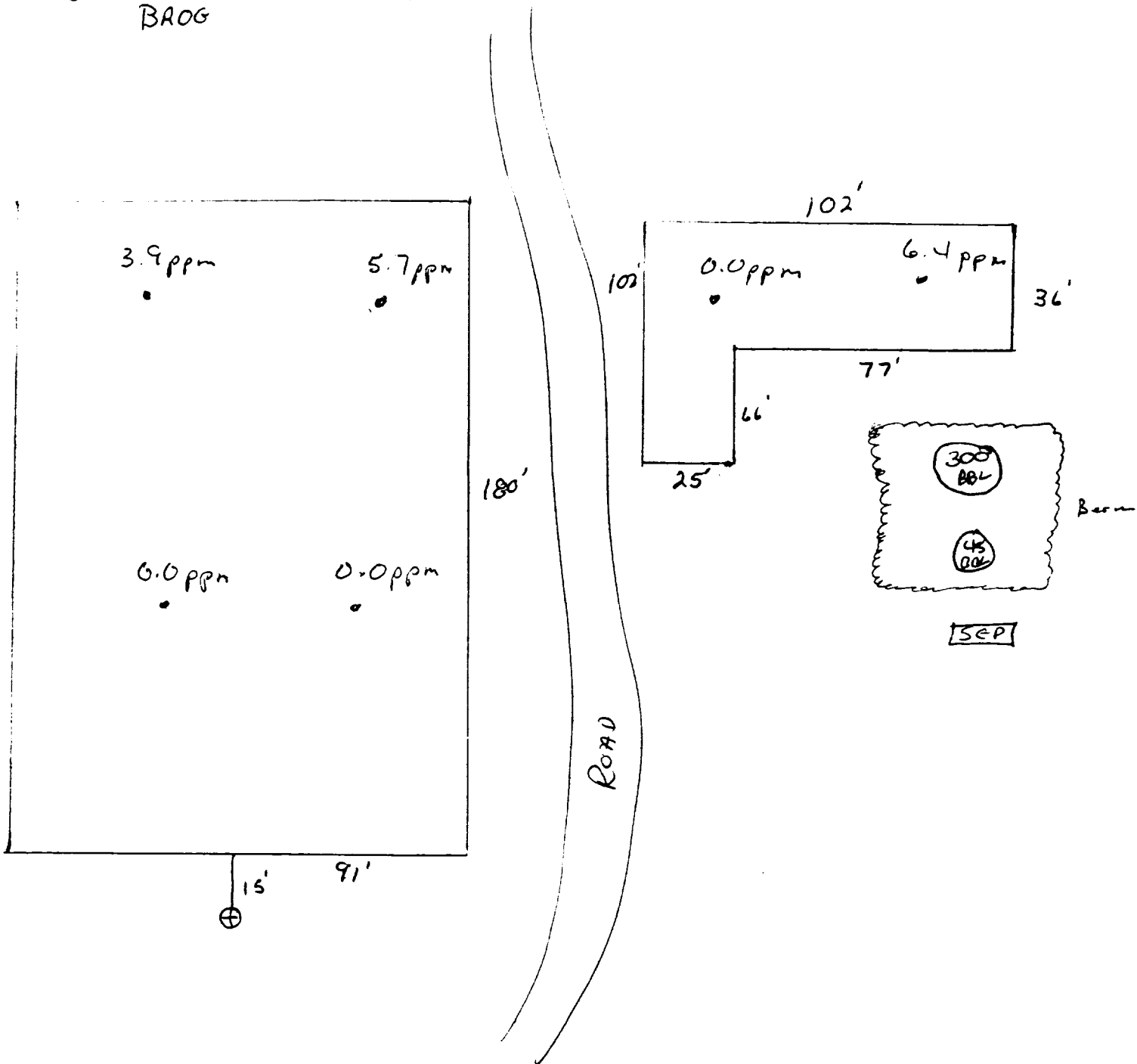
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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

JICARILLA 103-8  
Sec-19 T-26N R-4W 4L-P  
BROG

# LANDFARM DRAWING





OFF: (505) 325-5667



LAB: (505) 325-1556

**On Site Technologies, LTD.**

**Date:** 10-Dec-98

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

**Project:** Jicarilla Pit Remediation

**Lab Order:** 9812003

## **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: 10-Dec-98

<b>Client:</b>	PNM - Public Service Company of NM	<b>Client Sample Info:</b>	Jicarilla 103-8 LF
<b>Work Order:</b>	9812003	<b>Client Sample ID:</b>	9812010820; 6pt Composite
<b>Lab ID:</b>	9812003-04A	<b>Matrix:</b>	SOIL
<b>Project:</b>	Jicarilla Pit Remediation	<b>Collection Date:</b>	12/1/98 8:20:00 AM
		<b>COC Record:</b>	7445

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015</b>				<b>Analyst: HR</b>
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	12/9/98

<b>Qualifiers:</b>	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Sum - Surrogate

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