

Date Remediation Started: 6/4/97 Date Completed: 7/10/97

Remediation Method: Excavation X Approx. Cubic Yards 257

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 257

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
as to get a below 100 ppm head space reading.
Bottom was solid hard sandstone rock.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South and West side walls.

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

Sample depth 7'

Sample date 6/4/97 Sample time 1411

Sample Results

Soil: Benzene (ppm) ND Water: Benzene (ppb) _____

Total BTEX (ppm) 0.002 Toluene (ppb) _____

Field headspace (ppm) 68.5 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 6/12/97

PRINTED NAME Ronald A. Dedrick

SIGNATURE Ronald A Dedrick

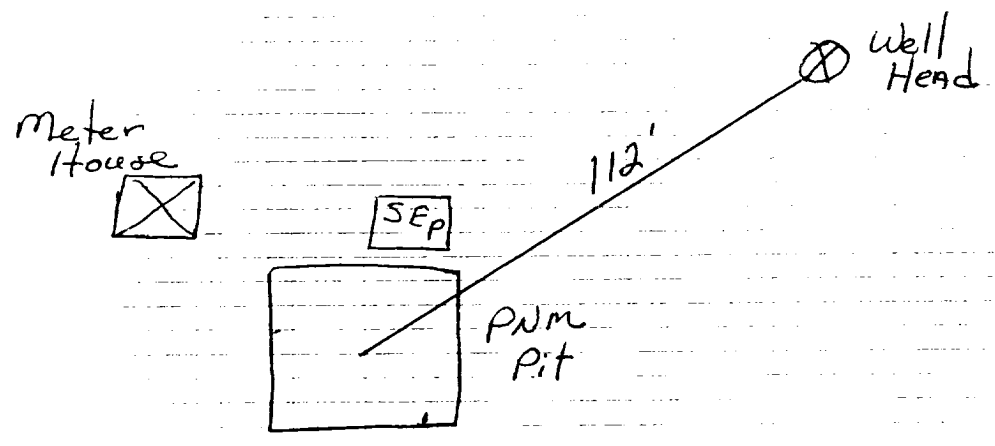
AND TITLE Environmental Technician II

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): spray + close

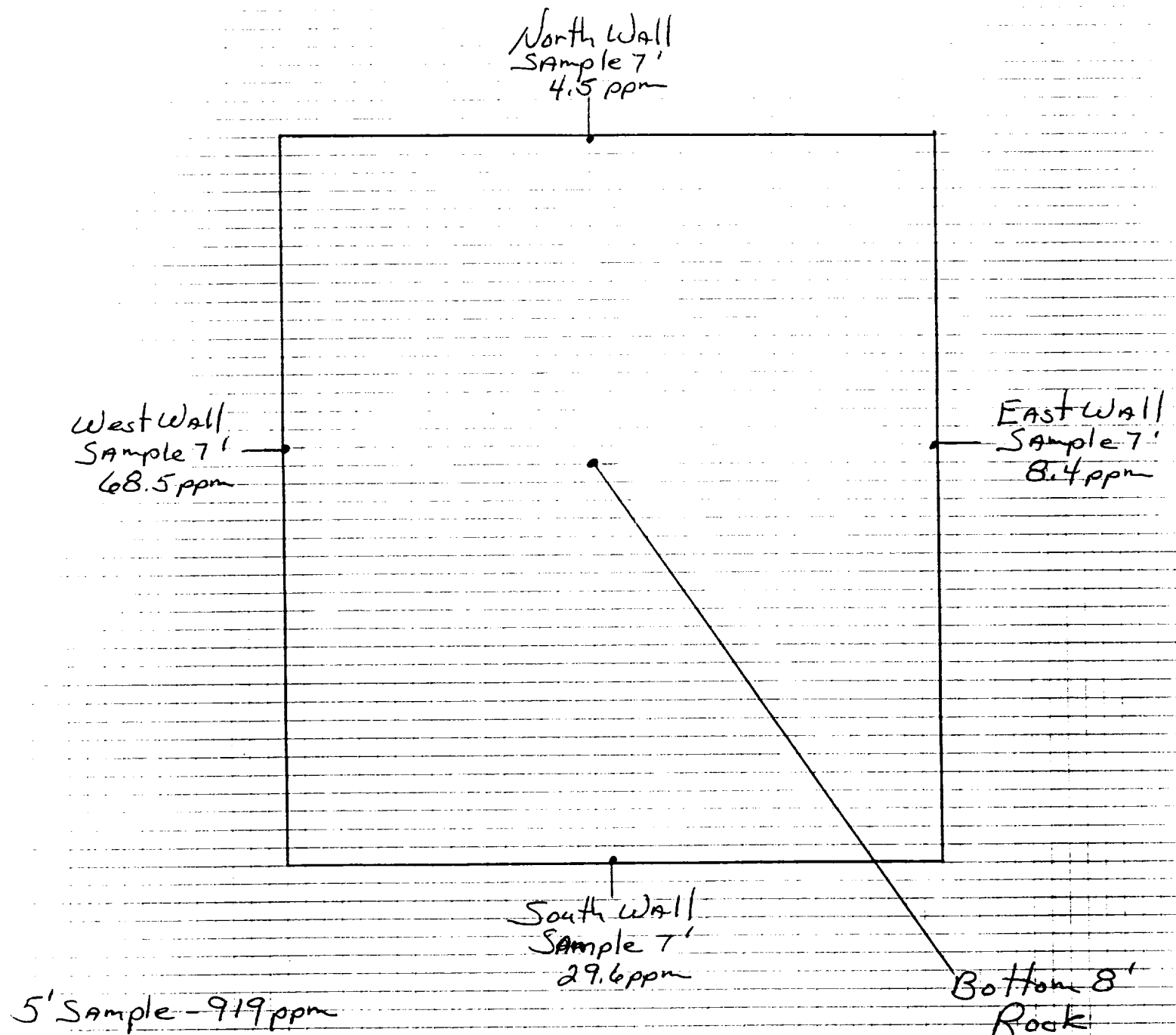
SIGNED: Kara C Mammall DATE: 6-16-97

Arizona Jicarilla B-9
Sec. 10 T26N R5W Unit D
BROG



Arizona Jicarilla B-9
Sec. 10 T26N R5W Unit D
BROG

31' x 28' x 8'



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: *11-Jun-97*
COC No.: *5726*
Sample No.: *14860*
Job No.: *2-1000*

Project Name: *PNM Gas Services - Arizona Jicarilla B-9*
Project Location: *9706041411; 4pt. Composite*
Sampled by: *PA* Date: *4-Jun-97* Time: *14:11*
Analyzed by: *DC/HR* Date: *10-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
<i>Diesel Range (C10 - C28)</i>	ND	ppm	200	190	4.9	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	RPD Limit
<i>Diesel Range (C10-C28)</i>	91	90	(70-130)	0	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by: *[Signature]*
Date: *6/11/97*

P.O. BOX 2606 • FARMINGTON, NM 87499

- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

The logo for On Site Technologies, Ltd. features a stylized, jagged line graphic that resembles a mountain range or a signal waveform. The words "ON SITE" are prominently displayed in a large, bold, serif font, with the "O" and "S" being particularly large. Below "ON SITE", the words "TECHNOLOGIES, LTD." are written in a smaller, bold, sans-serif font. The entire logo is rendered in black.

LAB: (505) 325-1556

ANALYTICAL REPORT

Attorney: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State: *Farmington, NM 87401*

Date: 11-Jun-97
COC No.: 5726
Sample No.: 14860
Job No.: 2-1000

Project Name: ***PNM Gas Services - Arizona Jicarilla B-9***
Project Location: ***9706041411; 4pt. Composite***
Sampled by: PA Date: 4
Analyzed by: HR Date: 9
Sample Matrix: ***Soil***

4-Jun-97 Time: 14:11
9-Jun-97

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	ND	ug/kg	1	ug/kg
Toluene	ND	ug/kg	1	ug/kg
Ethylbenzene	ND	ug/kg	1	ug/kg
m,p-Xylene	2	ug/kg	1	ug/kg
o-Xylene	ND	ug/kg	1	ug/kg
	TOTAL	2	ug/kg	

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by: 
Date: 6/11/97

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

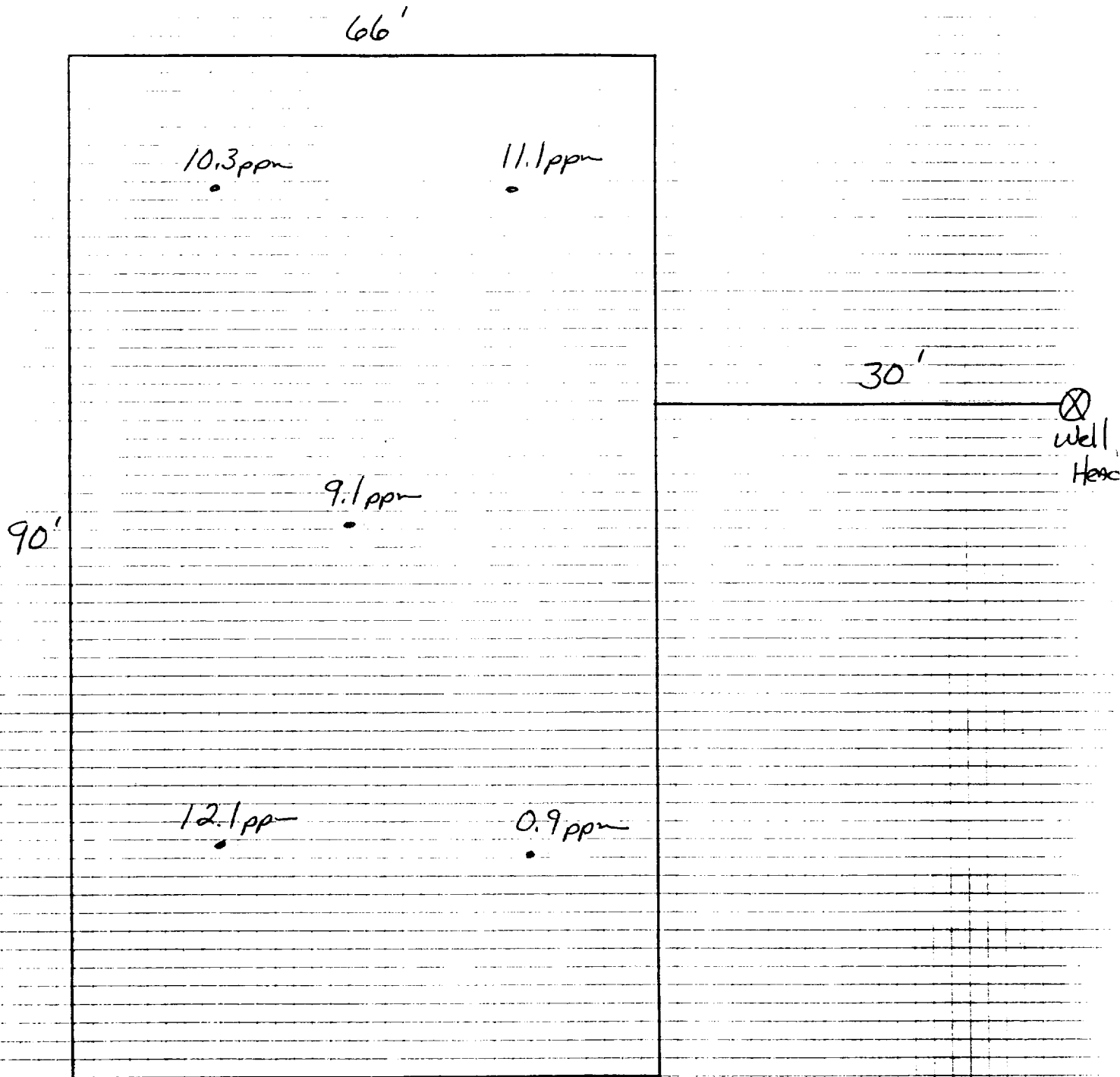
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services</u> : <u>BROG</u> Telephone: <u>324-3764</u>	
Address: <u>603 W. Elm Street Farmington, NM 87401</u>	
Facility or Well Name: <u>Arizona Jicarilla B-9</u>	
Location: Unit: <u>D</u> Sec. <u>10</u> T. <u>26</u> N R. <u>5</u> W County <u>Rio Arriba</u>	
Land Type: <u>Jicarilla Apache</u>	
Date Remediation Started: <u>6/4/97</u> Date Completed: <u>7/2/97</u>	
Remediation Method: Landfilled <u>X</u> Approx. cubic yards <u>257</u> Composted <u> </u> Other <u> </u>	
Depth to Ground Water: (pts.) <u>0</u>	Final Closure Sampling: Sampling Date: <u>6/24/97</u> Time <u>1033</u> Sampling Results: Field Headspace (ppm) <u>12.1</u> TPH (ppm) <u>ND</u> Method: <u>8015</u> Other <u> </u>
Distance to an Ephemeral Stream: (pts.) <u>0</u>	
Distance to Nearest Lake, Playa, or Watering Pond: (pts.) <u>0</u>	
Wellhead Protection Area: (pts.) <u>0</u>	
Distance to Surface Water: (pts.) <u>0</u>	
Ranking Score (Total Points): <u>0</u>	
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF	
DATE <u>7/2/97</u>	PRINTED NAME <u>Ronald A. Dedrick</u>
SIGNATURE <u>Ronald A. Dedrick</u>	AND TITLE <u>Environmental Technician II</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE	
APPROVED: YES <u>X</u> NO <u> </u> (REASON) <u>use as Backfill</u>	
SIGNED: <u>Kenneth C Marshall</u>	DATE: <u>7-3-97</u>

Arizona Jicarilla B-9
Sec. 10 T26N R5W Unit D
BROG

Land farm



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Attn: *Denver Bearden*
Company: *PNM Gas Services*
Address: *603 W. Elm*
City, State *Farmington, NM 87401*

Date: *1-Jul-97*
COC No.: *5503*
Sample No.: *15101*
Job No.: *2-1000*

Project Name: ***PNM Gas Services - Arizona Jicarilla B-9 Landfarm***
Project Location: ***9706241033; 5pt. Composite***
Sampled by: *RB* Date: *24-Jun-97* Time: *10:33*
Analyzed by: *DC/HR* Date: *27-Jun-97*
Sample Matrix: *Soil*

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
<i>Diesel Range Organics (C10 - C28)</i>	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
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Matrix Spike

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<i>Diesel Range (C10-C28)</i>	93	89	(70-130)	5	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by: *CAG*
Date: *7/1/97*

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