

Denny E. Faust

JICARILLA APACHE TRIBE

DEPUTY OIL & GAS INSPECTOR ENVIRONMENTAL PROTECTION OFFICE

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

FEB 08 1999

P.O. BOX 507
DULCE, NEW MEXICO 87528

Approved PIT

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 J-12E

Location: Unit: m Sec. 35 T. 26 N R. 5 W County Rio Arriba


Pit Type: Separator ☒ Dehydrator ☐ Other ☐

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 15' width 15' depth 3'

(Attach diagram) Reference: wellhead ☒ other _____

Footage from reference: 114'

Direction from reference: 45 Degrees East  North
West South

Depth to Ground Water:

(Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	<u>6</u>
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) e
No (0 points) _____

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)	

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: 10/1/98 Date Completed: 12/15/98

Remediation Method: Excavation X ^{RAD} 170 Approx. Cubic Yards 170

(Check all appropriate sections) Landfarmed X ^{RAD} 170 Amount Landfarmed (cubic yds): 170

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 bottom of pit as to get a below 100ppm head space reading.

Excavation size: 23' x 23' x 8'

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, East, South, West side walls 7'
Bottom 8'

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

Sample depth 8'

Sample date 10/1/98 Sample time 1406

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 17.0 Ethylbenzene (ppb) _____

TPH 27 ppm Method SOIL 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 10/25/98 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.

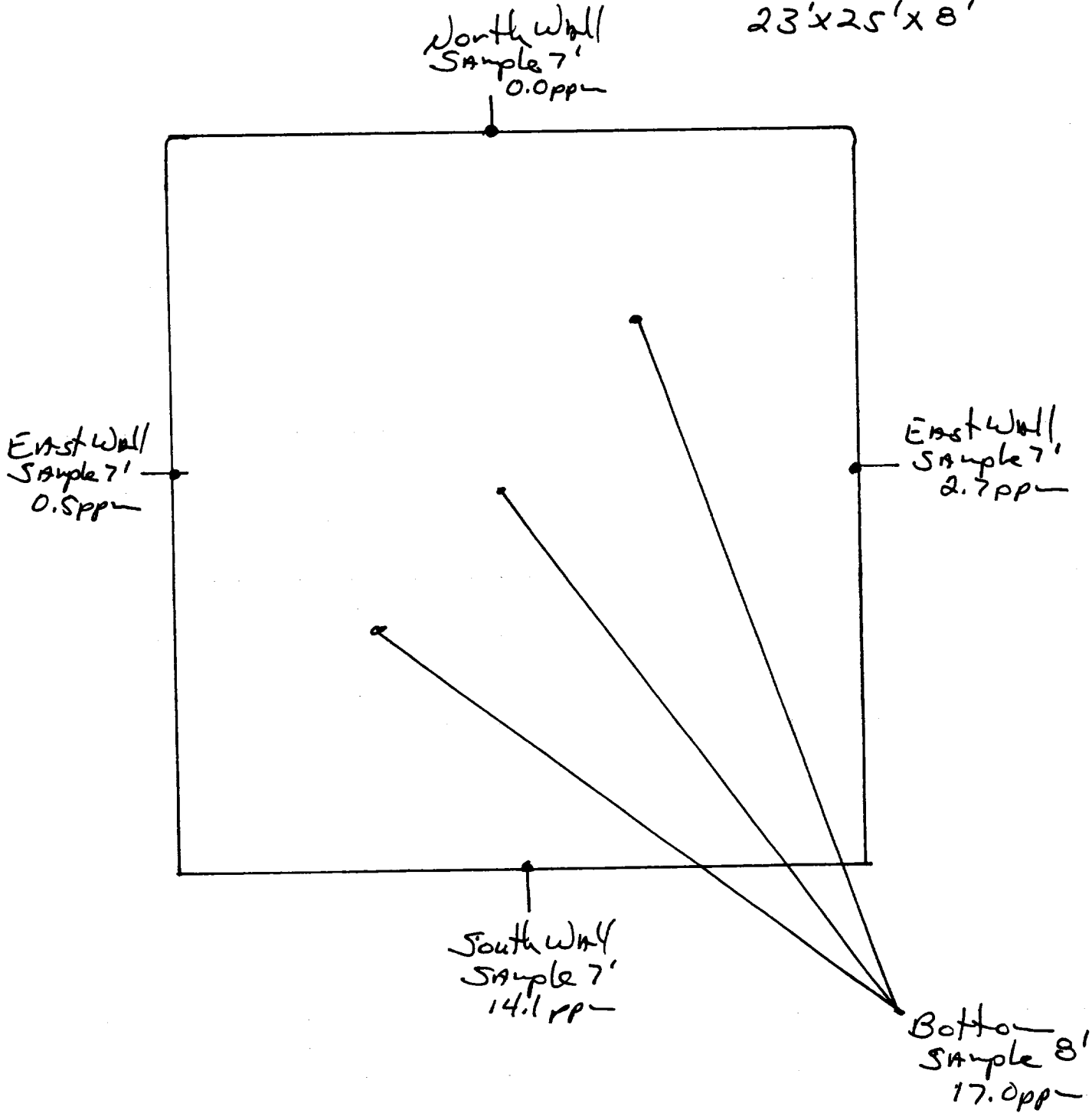
APPROVED: YES X NO _____ (REASON): _____

SIGNED: [Signature] DATE: 11-2-98

Jicarilla J-12E
Sec 35 T26N R5W Unit M
BRDG

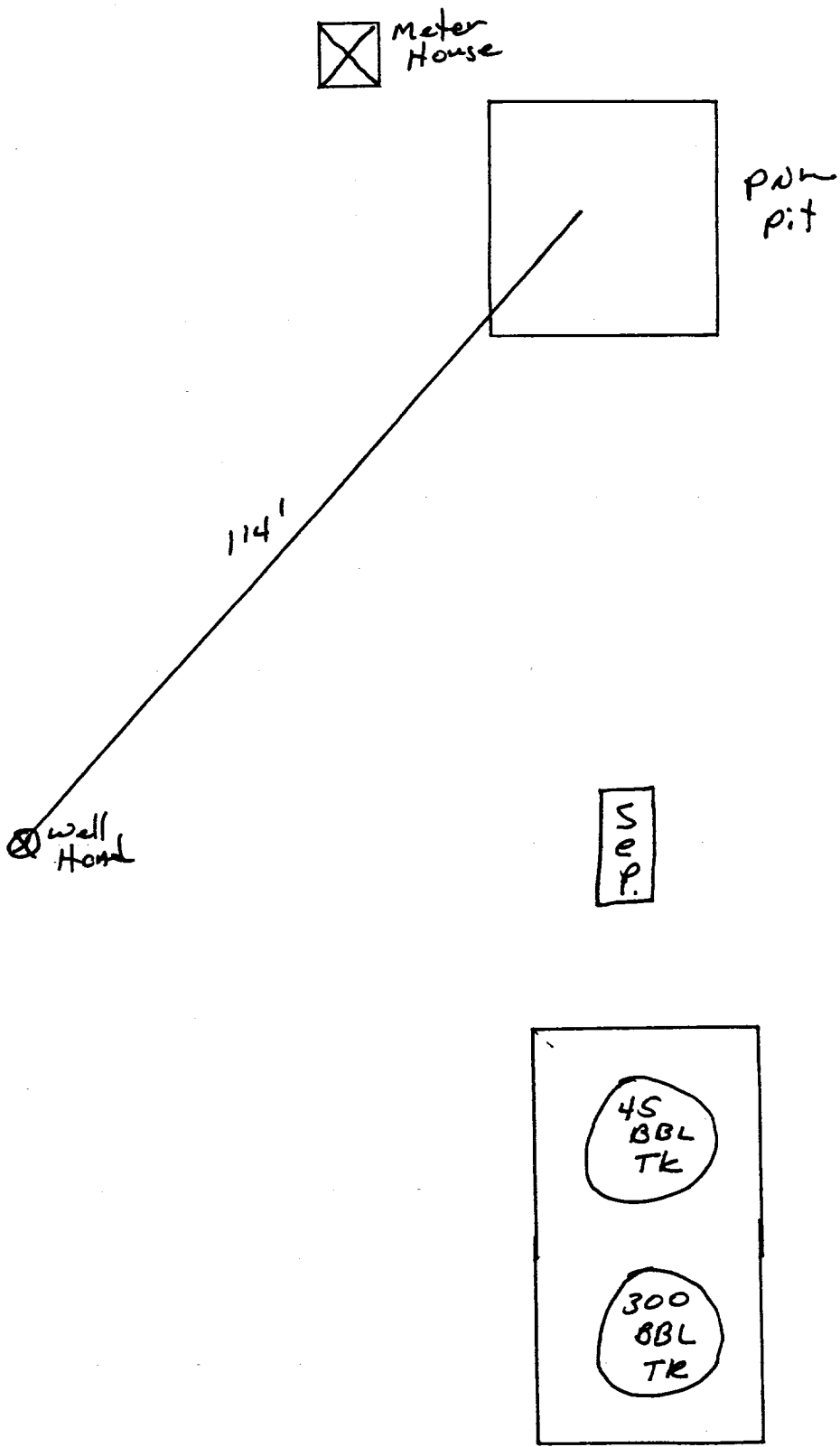
Excavation Drawing

23'x25'x8'



Jicarilla J-12E
Sec. 35 T26N R5W Unit M
BROG

Site Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 15-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-12E
Work Order:	9810003	Client Sample ID:	9810011406; 3pt. Comp. Bottom
Lab ID:	9810003-08A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/1/98 2:06:00 PM
		COC Record:	7507

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	27	25		mg/Kg	1	10/6/98

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: 15-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-12E
Work Order:	9810003	Client Sample ID:	9810011405; 4pt. Comp. Walls
Lab ID:	9810003-07A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	10/1/98 2:05:00 PM
		COC Record:	7507

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/6/98

Qualifiers:	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	Surr: - Surrogate

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NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (BROG) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla J-12E
Location: Unit: M Sec. 35 T. 26 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 10/1/98 Date Completed: 12/4/98
Remediation Method: Landfarmed X Approx. cubic yards 170
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: 11/23/98 Time 1315
Sampling Results:
Field Headspace (ppm) 9.4
TPH (ppm) 67 Method GC/MS
Other —

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

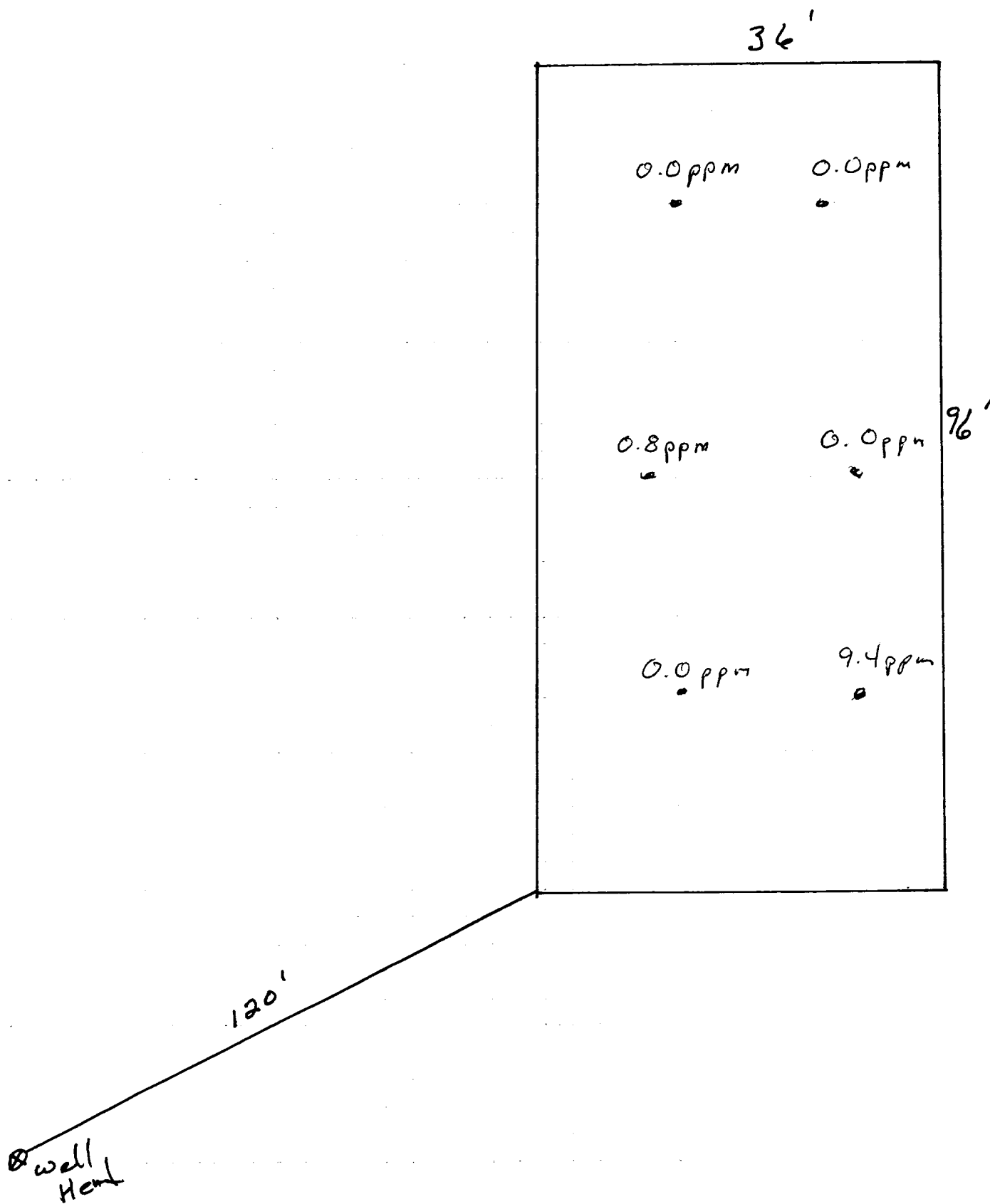
DATE 12/12/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

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

APPROVED: YES X NO — (REASON) use as Backfill
SIGNED: [Signature] DATE: 12-15-98

Jickri/J-12E
Sec. 35 T26N R5W Unit M
BROG

Land farm Drawing



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 08-Dec-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pit Remediation
Lab Order: 9811076

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: 08-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-12E LF
Work Order:	9811076	Client Sample ID:	9811231315; 6pt Composite
Lab ID:	9811076-02A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	11/23/98 1:15:00 PM
		COC Record:	7406

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				
T/R Hydrocarbons: C10-C28	67	25		mg/Kg	1	Analyst: HR 12/4/98

Qualifiers:

PQL - Practical Quantitation Limit

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