

JICARILLA APACHE TRIBE

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

**P.O. BOX 507
DULCE, NEW MEXICO 87528**


PIT REMEDIATION AND CLOSURE REPORT

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

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: Jicarilla K-22

Location: Unit: M Sec. 2 T. 25 N R. 5 W County Rio Arriba

Pit Type: Separator Dehydrator  Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 3

(Attach diagram) Reference: wellhead X other _____

Footage from reference: 150'

Direction from reference: DUE Degrees East of North
 West of 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)

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)

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: 9/28/98 Date Completed: 12/15/98

Remediation Method: Excavation X Approx. Cubic Yards 851

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 851

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 headspace readings
Final excavation: 33' X 29' X 24'

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 24'

Sample date 9/28/98 Sample time 1415
1416

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) RB 9.0 (bottom) Ethylbenzene (ppb) _____
N/D RAD 28.3 90.0 (South wall)

TPH 29 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 10/25/98

PRINTED NAME Ronald A. Dedrick RB 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.

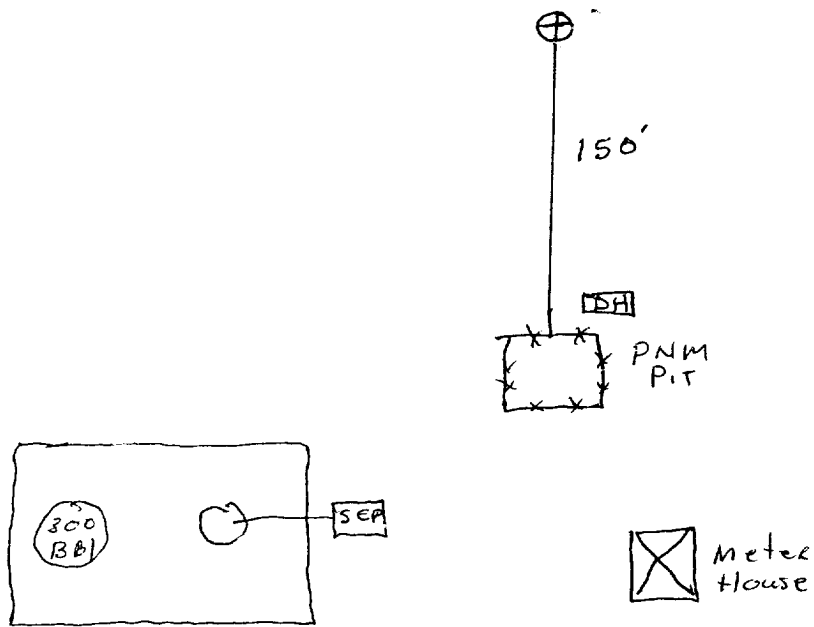
APPROVED: YES X NO _____ (REASON): _____

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

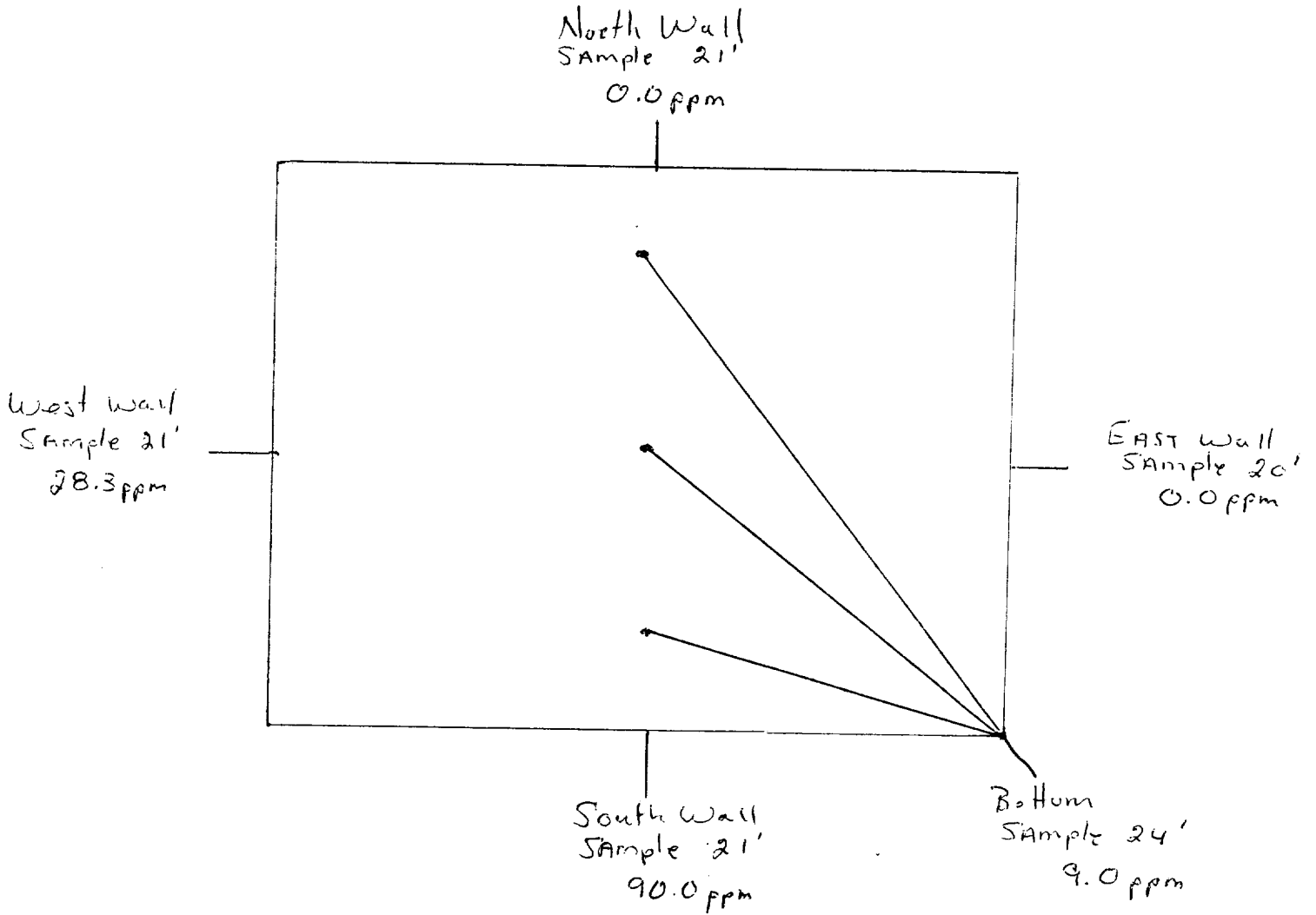
- SICARILLA K-2Z.

Sec-2 T-25N R-5W 40-M
CONOCO

Site Drawing



Sec-2 T-25N R-5W UL-M
Conoco



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 14-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K-22
Work Order:	9809084	Client Sample ID:	9809281416; 3pt. Bottom Comp.
Lab ID:	9809084-04A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	9/28/98 2:16:00 PM
		COC Record:	7350

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	10/5/98

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: 14-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K-22
Work Order:	9809084	Client Sample ID:	9809281415; 4pt. Wall Comp.
Lab ID:	9809084-03A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation	Collection Date:	9/28/98 2:15:00 PM
		COC Record:	7350

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	99	25		mg/Kg	1	10/5/98

Qualifiers:

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- J - Analyte detected below Practical Quantitation Limit
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- 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 (Conoco) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla K-22
Location: Unit: M Sec. 2 T. 25 N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 9/28/98 Date Completed: 12/2/98
Remediation Method: Landfarmed ☒ Approx. cubic yards 851
Composted ☐
Other ☐

Depth to Ground Water: (pts.) 0
Distance to an Ephemeral Stream: (pts.) 0
Distance to Nearest Lake, Playa,
or Watering Pond: (pts.) 0
Wellhead Protection Area: (pts.) 0
Distance to Surface Water: (pts.) 0
Ranking Score (Total Points): 0

Final Closure Sampling:

Sampling Date: 11/23/98 Time 1214
Sampling Results:
Field Headspace (ppm) 19.4
TPH (ppm) 83 Method ND
Other

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

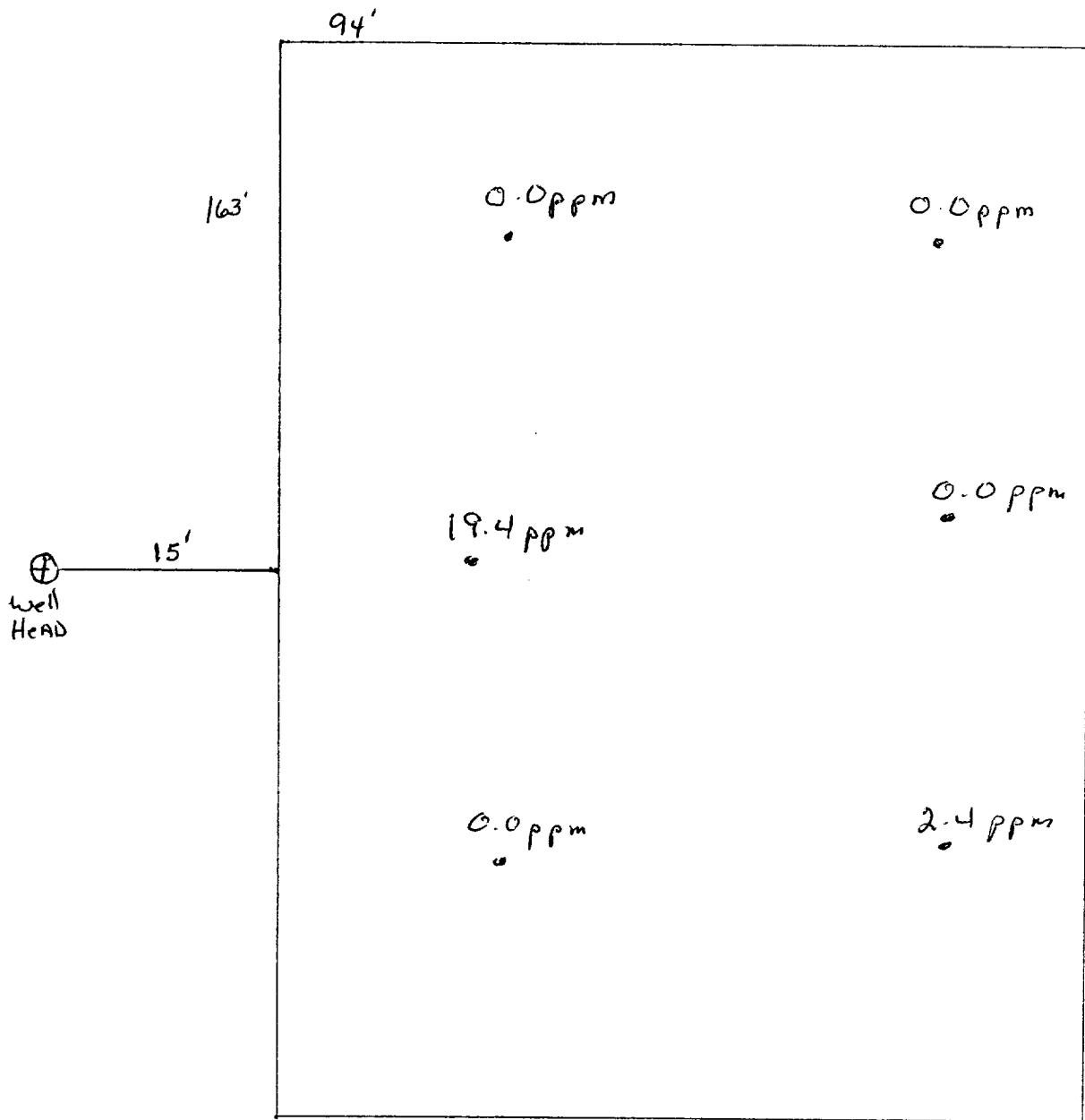
DATE 12/12/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

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

APPROVED: YES ☒ NO ☐ (REASON) use for Backfill
SIGNED: Ken C. M... DATE: 12-15-98

JICAR, 11/4 K-22
SEC-2 T-25N R. 5W
CONOCO

LANDFARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 04-Dec-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation Landfarms

Lab Order: 9811075

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.

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LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 04-Dec-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla K-22 LF
Work Order:	9811075	Client Sample ID:	9811231214; 6pt Composite
Lab ID:	9811075-05A	Matrix:	SOIL
Project:	Jicarilla Pit Remediation Landfarms	Collection Date:	11/23/98 12:14:00 PM
		COC Record:	7405

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	83	25		mg/Kg	1	12/2/98

Qualifiers:

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