

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

RECEIVED
APR 29 1999

PIT REMEDIATION AND CLOSURE REPORT OIL CON. DIV.
DIST. 2

Operator: PNM Gas Services (Burlington) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: Jicarilla J14
Location: Unit: I Sec. 35 T. 26N R. 5 W County Rio Arriba
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 20' width 20' depth 3'
(Attach diagram) Reference: wellhead ☒ other ☐
Footage from reference: 48'
Direction from reference: 55° Degrees ☐ East North ☐
☒ West of South ☒

Depth to Ground Water: Less than 50 feet (20 points)
50 feet to 99 feet (10 points) 0
Greater than 100 feet (0 points)

Wellhead Protection Area: Yes (20 points)
No (0 points) 0
(Less than 200 feet from a private domestic water source, or, less than 1,000 feet from all other water sources)

Distance to Surface Water: Less than 200 feet (20 points)
200 feet to 1,000 feet (10 points) 0
Greater than 1,000 feet (0 points)

Distance to Ephemeral Stream (dry wash): Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0
(Horizontal distance to all downgradient streams having a width of at least 10 feet)

Distance to Nearest Lake, Playa, or Watering Pond: Less than or equal to 100 feet (10 points)
Greater than 100 feet (0 points) 0
(Horizontal distance to all downgradient lakes, playas, and livestock or wildlife water ponds)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 9-10-98 Date Completed: 1-13-99

Remediation Method: Excavation ☒ Approx. Cubic Yards 2844.722 ^{OK}

(Check all appropriate sections) Landfarmed ☒ Amount Landfarmed (cubic yds): 748

Other 464.72 Staged on location

Remediation Location: Onsite ☒ X - 464.72 cu. yds. Offsite 2380 yards farmed at TPT on Hwy. 537
(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removal of contaminated soil from all four sidewalls, as to get a flow 100 ppm head space reading. Bottom is rock
Final excavation dimensions: ~66.5 (N+S) x 52.5 (E+W) x 22' (D)

Ground Water Encountered: No ☒ Yes ☐ Depth

Final Pit Closure Sampling:

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

Sample Location North, East, South and West sidewalls and a three point composite of rock bottom

Sample depth 22'

Sample date 9-16-98 Sample time 1335 1325

Sample Results

Soil: Benzene (ppm) N/D Water: Benzene (ppb)

Total BTEX (ppm) 7.461 1.361 Toluene (ppb)

Field headspace (ppm) cell Ethylbenzene (ppb)

TPH 360 ppm Method 8015 Total Xylenes (ppb)

Ground Water Sample: Yes ☐ No ☒ (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 10-20-98 PRINTED NAME Ray Haston

SIGNATURE Ray Haston AND TITLE Environmental Technician

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

APPROVED: YES ☒ NO ☐ (REASON):

SIGNED: Ken C Mc DATE: 11-2-98

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 02-Oct-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla J14

Lab Order: 9809048

CASE NARRATIVE

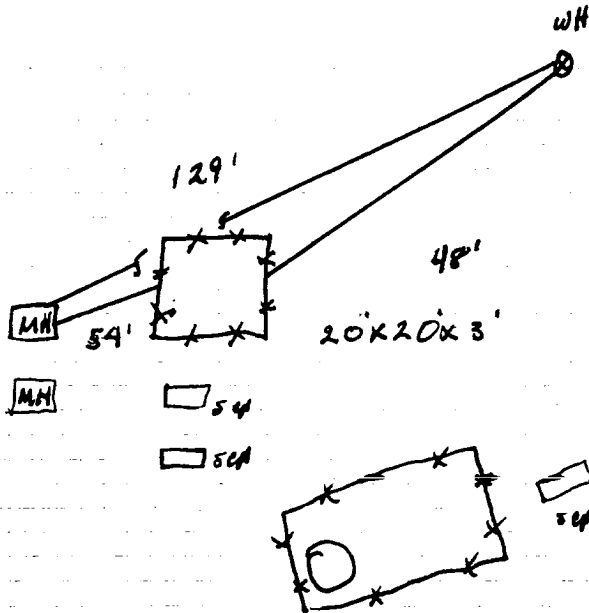
Samples were analyzed using the methods outlined in the following references:

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.

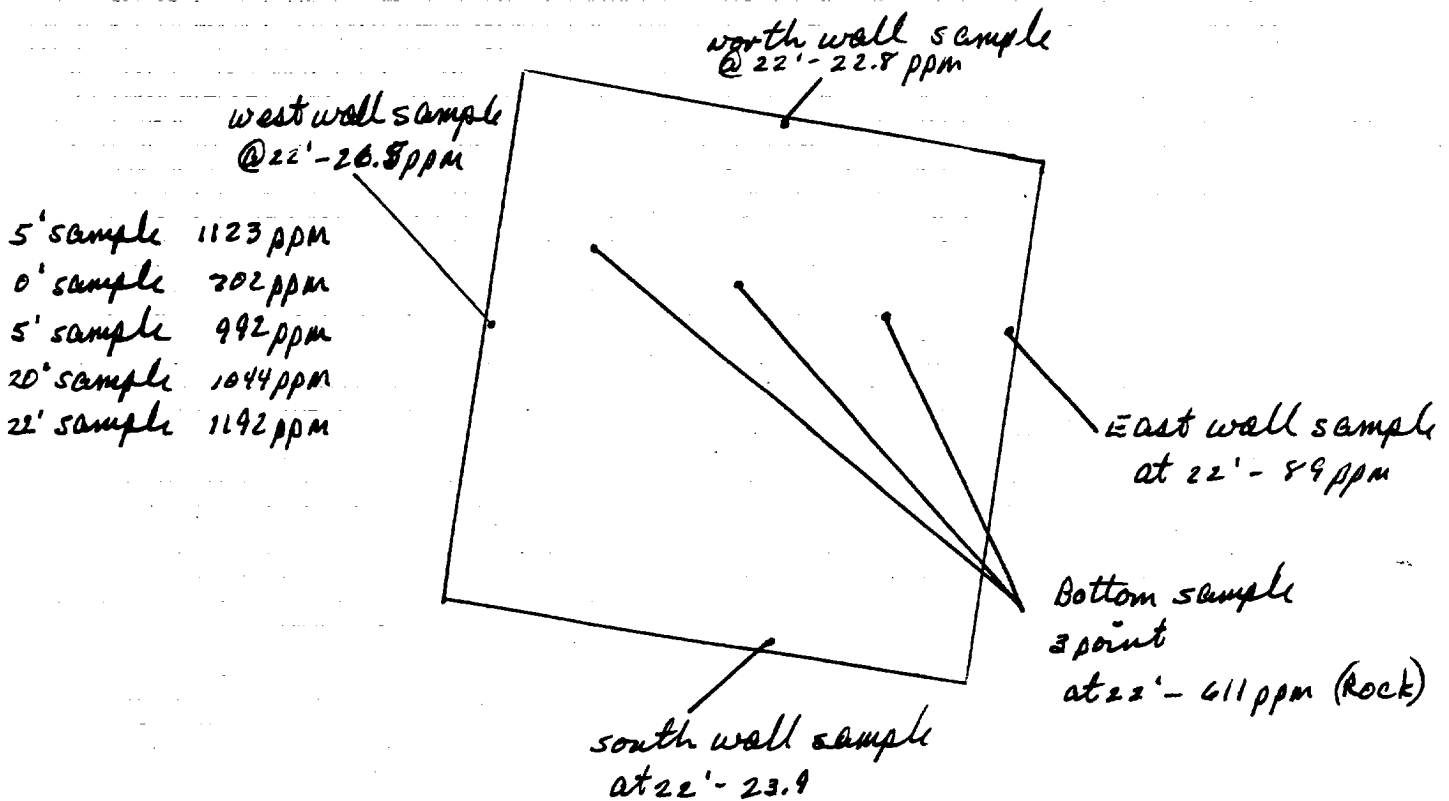
Jicarilla J14
 (I) 35-26N-5W
 Burlington
 9-10-48

↑
 N



Excavation Sampling

65.5'(N+S) x 52.5'(E+W) x 22'(D)



OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 02-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-14
Work Order:	9809048	Client Sample ID:	9809161325; 3pt. Bottom Comp
Lab ID:	9809048-01A	Matrix:	SOIL
Project:	Jicarilla J14	Collection Date:	9/16/98 1:25:00 PM
		COC Record:	5754

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	360	25		mg/Kg	1	9/30/98
BTEX		SW8020A				Analyst: DC
Benzene	ND	25		µg/Kg	25	9/25/98
Toluene	91	50		µg/Kg	25	9/25/98
Ethylbenzene	100	25		µg/Kg	25	9/25/98
m,p-Xylene	980	50		µg/Kg	25	9/25/98
o-Xylene	190	25		µg/Kg	25	9/25/98

1361
1.361 ppm

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

1 of 1

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 02-Oct-98

Client:	PNM - Public Service Company of NM	Client Sample Info:	Jicarilla J-14
Work Order:	9809048	Client Sample ID:	9809161335; 4pt. Wall Comp
Lab ID:	9809048-02A	Matrix:	SOIL
Project:	Jicarilla J14	Collection Date:	9/16/98 1:35:00 PM
		COC Record:	5754

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015				Analyst: HR
T/R Hydrocarbons: C10-C28	ND	25		mg/Kg	1	9/28/98

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

1 of 1

P.O. BOX 2606 • FARMINGTON, NM 87499

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

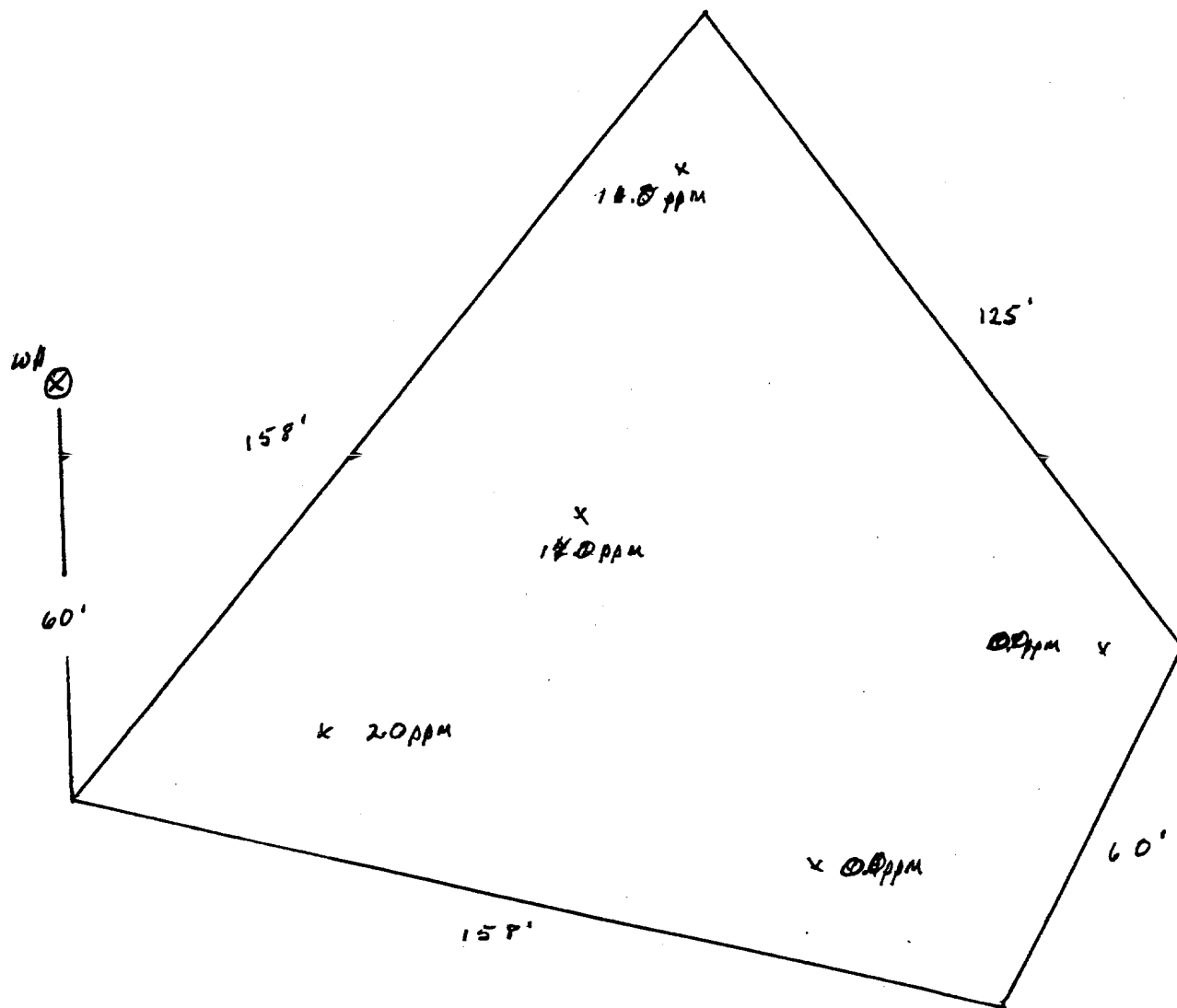
SUBMIT ONE COPY TO
NATURAL
RESOURCE DEPT
AND OIL- GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>PNM Gas Services</u> (<u>CONOCO</u>) Telephone: <u>324-3764</u>																			
Address: <u>603 W. Elm Street</u> <u>Farmington, NM 87401</u>																			
Facility or Well Name: <u>Jicarilla J14 Landfarm</u>																			
Location: Unit <u>I</u> Sec <u>35</u> T <u>26 N</u> R <u>5 W</u> County <u>Rio Arriba</u>																			
Land Type: <u>Jicarilla Apache</u>																			
Date Remediation Started: <u>9/10/98</u> Date Completed: <u>12/7/98</u>																			
Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>748-464.72</u> <i>1.14</i> Composted <input type="checkbox"/> Other _____																			
<table><tr><td>Depth to Ground Water:</td><td>(pts.)</td><td><u>0</u></td></tr><tr><td>Distance to an Ephemeral Stream:</td><td>(pts.)</td><td><u>0</u></td></tr><tr><td>Distance to Nearest Lake, Playa, or Watering Pond:</td><td>(pts.)</td><td><u>0</u></td></tr><tr><td>Wellhead Protection Area:</td><td>(pts.)</td><td><u>0</u></td></tr><tr><td>Distance to Surface Water:</td><td>(pts.)</td><td><u>0</u></td></tr><tr><td>Ranking Score (Total Points):</td><td></td><td><u>0</u></td></tr></table>	Depth to Ground Water:	(pts.)	<u>0</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>	Final Closure Sampling: Sampling Date: <u>11/23/98</u> Time <u>1345</u> Sampling Results: Field Headspace (ppm) <u>9.7</u> TPH (ppm) <u>62</u> Method <u>8015</u> Other _____
Depth to Ground Water:	(pts.)	<u>0</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 MY BELIEF.																			
DATE: <u>12-10-98</u> PRINTED NAME <u>Ray Haston</u> SIGNATURE <u>Ray Haston</u> TITLE <u>Environmental Tech. III</u>																			
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE:																			
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON): <u>was on Rockpile</u>																			
SIGNATURE: <u>Ken C Merrill</u> DATE: <u>12-15-98</u>																			

Jicarilla J14
(I) 35-26N-5W
Burlington
748 yds farmed
1445 staged

↑
N



2" - 12"
Head space
9.7 ppm

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

ANALYTICAL REPORT

Date: 08-Dec-98

Client: PNM - Public Service Company of NM
Work Order: 9811076
Lab ID: 9811076-04A **Matrix:** SOIL
Project: Jicarilla Pit Remediation

Client Sample Info: Jicarilla J-14 LF
Client Sample ID: 9811231345; 6pt Composite
Collection Date: 11/23/98 1:45:00 PM
COC Record: 7406

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS T/R Hydrocarbons: C10-C28	62	SW8015 25		mg/Kg	1	Analyst: HR 12/7/98

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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