

Senny & Just
DEPUTY OIL & GAS INSPECTOR

JICARILLA APACHE TRIBE

ENVIRONMENTAL PROTECTION OFFICE

FEB 08 1999

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

Approved **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-14 #2

Location: Unit: 0 Sec. 11 T. 25 N R. 5 W County Rio Arriba

Pit Type: Separator X Dehydrator Other

Land Type: Jicarilla Apache

Pit Location: Pit dimensions: length 18' width 18' depth 2'

(Attach diagram) Reference: wellhead X other

Footage from reference: 71'

Direction from reference: 40° Degrees East North X
X 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> </u> |
| 50 feet to 99 feet | (10 points) | <u> </u> |
| Greater than 100 feet | (0 points) | <u> </u> |

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) | <u> </u> |
| No | (0 points) | <u> </u> |

Distance to Surface Water:

(Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

| | | |
|-------------------------|-------------|-------------|
| Less than 200 feet | (20 points) | <u> </u> |
| 200 feet to 1,000 feet | (10 points) | <u> </u> |
| Greater than 1,000 feet | (0 points) | <u> </u> |

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) | <u> </u> |
| Greater than 100 feet | (0 points) | <u> </u> |

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) | <u> </u> |
| Greater than 100 feet | (0 points) | <u> </u> |

RANKING SCORE (TOTAL POINTS):

Date Remediation Started: 9/10/98 Date Completed: 1/6/99

Remediation Method: Excavation X Approx. Cubic Yards 105

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 105

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 100ppm headspace reading Pit bottom
is solid Rock.

Final excavation: 35' X 27' X 3'.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit Closure Sampling:

Sample Location North, EAST, South, West Side
walls and 3 PT Composite of Bottom

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

Sample depth 3'

Sample date 9/10/98 Sample time 1329 1330 ✓

Sample Results

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

Total BTEX (ppm) 0.395 Toluene (ppb) _____

Field headspace (ppm) 1490 Ethylbenzene (ppb) _____

TPH 70 RAD 230 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 10/3/98 PRINTED NAME Roy Burnham

SIGNATURE Roy Burnham AND TITLE Environmental Technician II

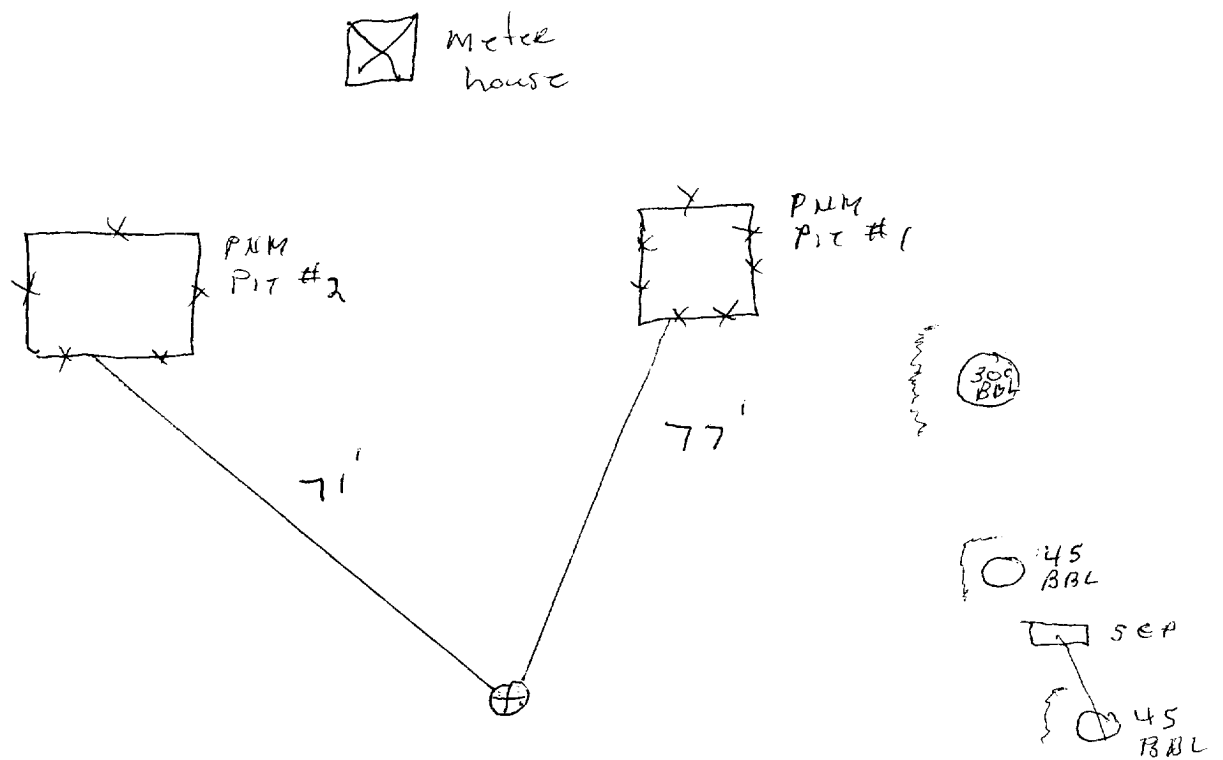
AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO _____ (REASON): _____

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

JICARILLA K-14 2
Sec-11 TASN R-SW 44-0
CONOCO

Site Drawing

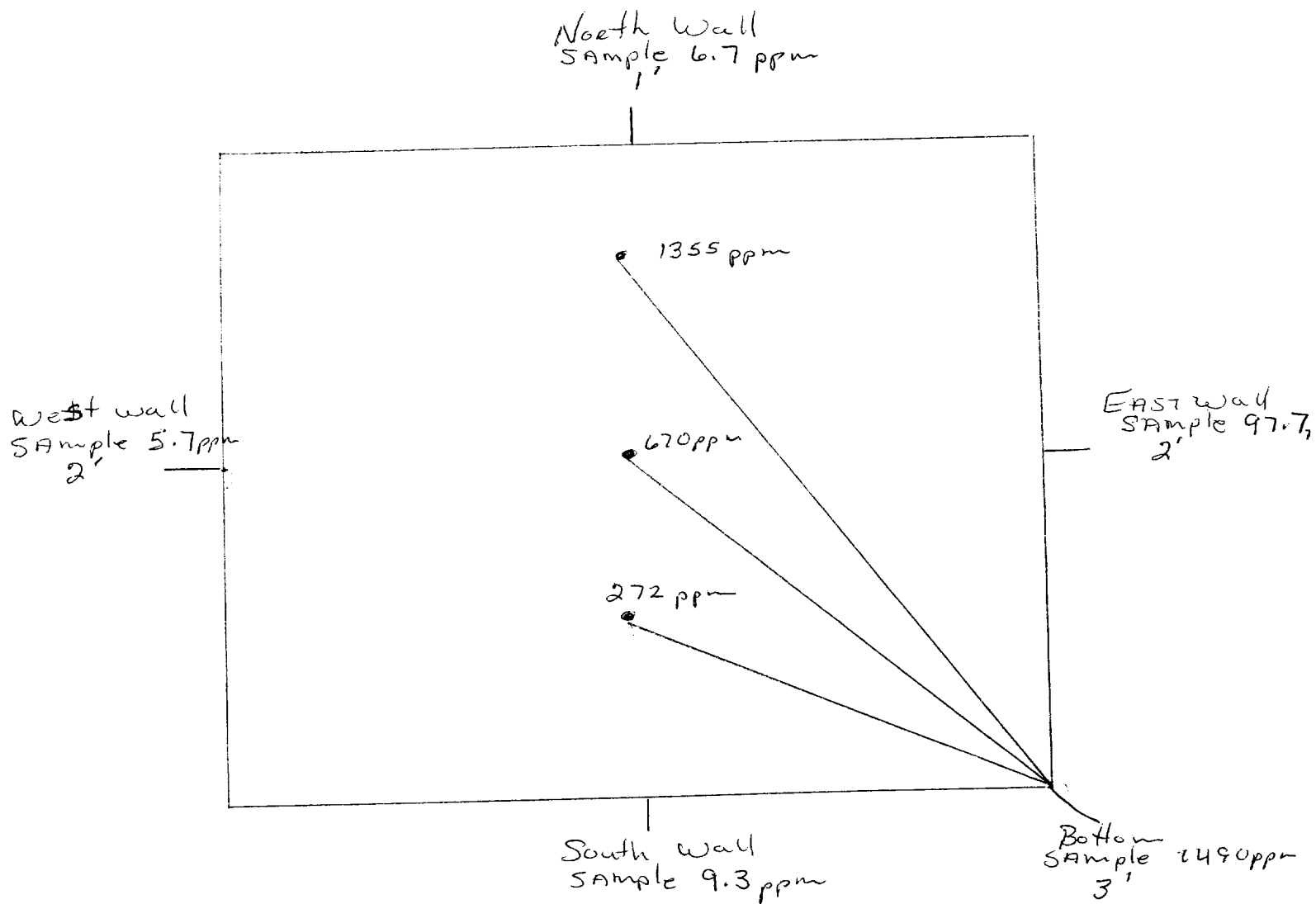


Not To Scale

JICARILLA K-14
Sec-11 T25N R-5W WLO
Conoco

EXCAVATION DRAWING

35' X 27' X 3



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 25-Sep-98

CLIENT: PNM - Public Service Company of NM
Project: Jicarilla Pits
Lab Order: 9809025

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: 25-Sep-98

| | | | |
|--------------------|------------------------------------|----------------------------|-------------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla K-14 #2 |
| Work Order: | 9809025 | Client Sample ID: | 9809101330; 3pt. Comp. Bottom |
| Lab ID: | 9809025-06A | Matrix: | SOIL |
| Project: | Jicarilla Pits | Collection Date: | 9/10/98 1:30:00 PM |
| | | COC Record: | 7346 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|----------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: HR |
| T/R Hydrocarbons: C10-C28 | 70 | 25 | | mg/Kg | 1 | 9/22/98 |
| BTEX | | SW8020A | | | | Analyst: HR |
| Benzene | ND | 2 | | µg/Kg | 2 | 9/17/98 |
| Toluene | ND | 4 | | µg/Kg | 2 | 9/17/98 |
| Ethylbenzene | 35 | 2 | | µg/Kg | 2 | 9/17/98 |
| m,p-Xylene | 260 | 4 | | µg/Kg | 2 | 9/17/98 |
| o-Xylene | 100 | 2 | | µg/Kg | 2 | 9/17/98 |

395
395 ppm

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

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OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 25-Sep-98

| | | | |
|--------------------|------------------------------------|----------------------------|------------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla K-14 #2 |
| Work Order: | 9809025 | Client Sample ID: | 9809101329; 4pt. Comp. Walls |
| Lab ID: | 9809025-05A | Matrix: | SOIL |
| Project: | Jicarilla Pits | Collection Date: | 9/10/98 1:29:00 PM |
| | | COC Record: | 7346 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: HR |
| T/R Hydrocarbons: C10-C28 | 230 | 25 | | mg/Kg | 1 | 9/16/98 |

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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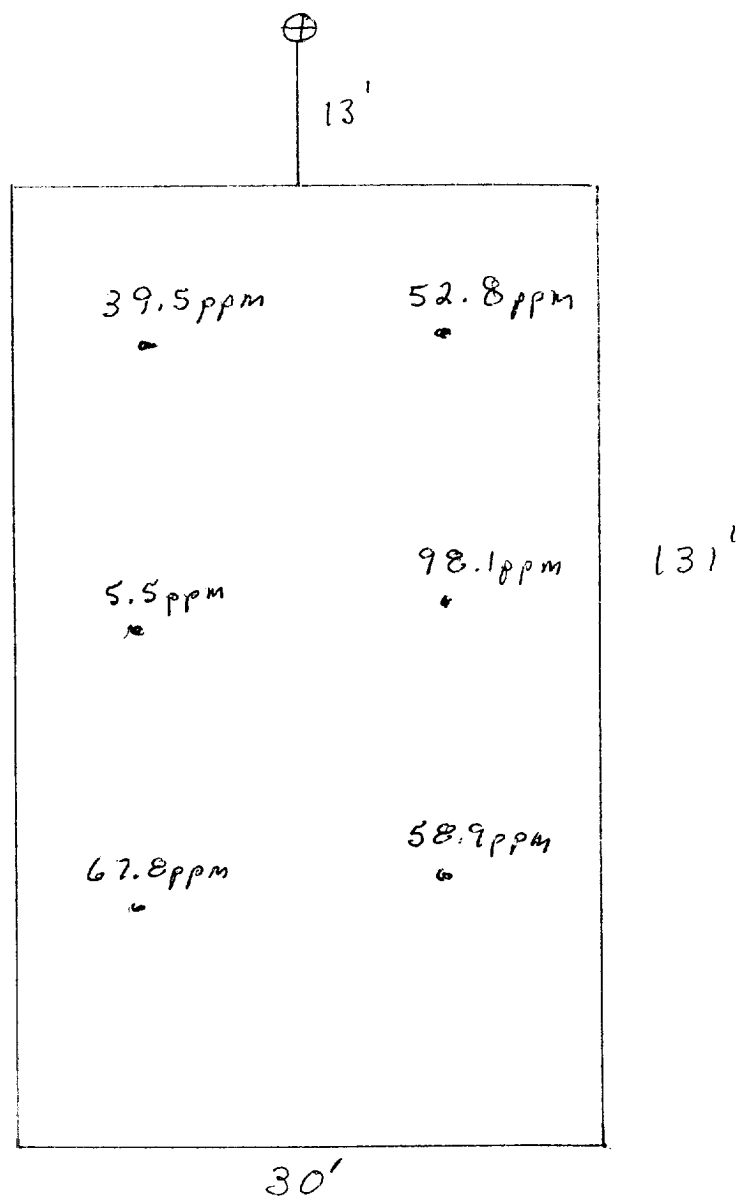
SUBMIT 1 COPY TO
NATURAL
RESOURCE DEPT
AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

| | |
|---|---|
| Operator: PNM Gas Services (<u>Conoco</u>) Telephone: <u>324-3764</u> | |
| Address: <u>603 W. Elm Street Farmington, NM 87401</u> | |
| Facility or Well Name: <u>JICARILLA K-14 #2</u> | |
| Location: Unit or Qtr/Qtr Sec: <u>C</u> Sec. <u>11</u> T. <u>25N</u> R. <u>5 W</u> County <u></u> | |
| Land Type: <u></u> | |
| Date Remediation Started: <u>9/10/98</u> Date Completed: <u>10/14/98</u> | |
| Remediation Method: Landfarmed <input checked="" type="checkbox"/> Approx. cubic yards <u>105</u> Composted <input type="checkbox"/> Other <input type="checkbox"/> | |
| 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>10/12/98</u> Time <u>1645</u> Sampling Results: Field Headspace (ppm) <u>98.1</u> TPH (ppm) <u>1600</u> Method <u>8015</u> Other <u></u> |
| <p>I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF</p> <p>DATE <u>1/5/99</u> PRINTED NAME <u>Roy Burnham</u> SIGNATURE <u>Roy Burnham</u> AND TITLE <u>Environmental Technician II</u></p> | |
| <p>AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE</p> <p>APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>Don't use as backfill.</u> SIGNED: <u>Karena L. Callado</u> DATE: <u>01-06-99</u></p> | |

JICARILLA K-14 L
Sec-11 T25N R-SW 420
CONOCO

LAND LAM DRAWING



Not To Scale

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 16-Oct-98

CLIENT: PNM - Public Service Company of NM

Project: Jicarilla Pit Remediation

Lab Order: 9810036

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: 16-Oct-98

| | | | |
|--------------------|------------------------------------|----------------------------|------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla K-14 #2 LF |
| Work Order: | 9810036 | Client Sample ID: | 9810121645; 6pt. Comp. |
| Lab ID: | 9810036-03A | Matrix: | SOIL |
| Project: | Jicarilla Pit Remediation | Collection Date: | 10/12/98 4:45:00 PM |
| | | COC Record: | 7407 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: HR |
| T/R Hydrocarbons: C10-C28 | 1600 | 25 | | mg/Kg | 1 | 10/14/98 |

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
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