

DEPUTY OIL & GAS INSPECTOR

FEB 08 1949

ENVIRONMENTAL PROTECTION OFFICE

P.O. BOX 507
DULCE, NEW MEXICO 87528

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: PNM Gas Services (WFS) **Telephone:** 324-3764

Address: 603 W. Elm Street Farmington, NM 87401

Facility or Well Name: JCAR, 4A Air-2 DRIP

Location: Unit: A Sec. 3 T. 24 N R. 5 W County Rio Arriba

| | | | | | |
|------------------|-----------|------------|-------|------|-----|
| Pit Type: | Separator | Dehydrator | Other | Drip | Pit |
|------------------|-----------|------------|-------|------|-----|

Land Type: Jicarilla Apache

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

(Attach diagram) Reference: wellhead _____ other Line Drive

Footage from reference: 20'

Direction from reference: DUE Degrees East North
 of
 West 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: 7/7/98 Date Completed: 7/28/98

Remediation Method: Excavation X Approx. Cubic Yards 83

(Check all appropriate sections)

Landfarmed X Amount Landfarmed (cubic yds): 83

Other _____

Remediation Location: Onsite _____ Offsite Jicarilla N-2

(i.e., landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action:

Removed Contaminated Soil from all side walls and pit bottom as to get a below 100 ppm headspace readings. Final excavation: 16' X 14' X 10'.

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 10'

Sample date 7/7/98 Sample time 0933

Sample Results

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

Total BTEX (ppm) _____ Toluene (ppb) _____

Field headspace (ppm) 1.1 (bottom) Ethylbenzene (ppb) _____

TPH 54 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 7/26/98 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.

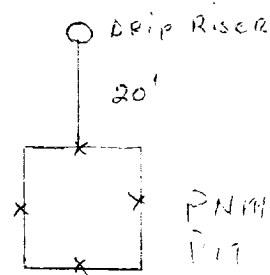
APPROVED: YES X NO _____ (REASON): _____

SIGNED: Kearl M. M... (signature) DATE: 7-28-98

SICARILLA N-2 DRIP
Sec-3 T-24N R-5W unit-N

SITE DRAWING

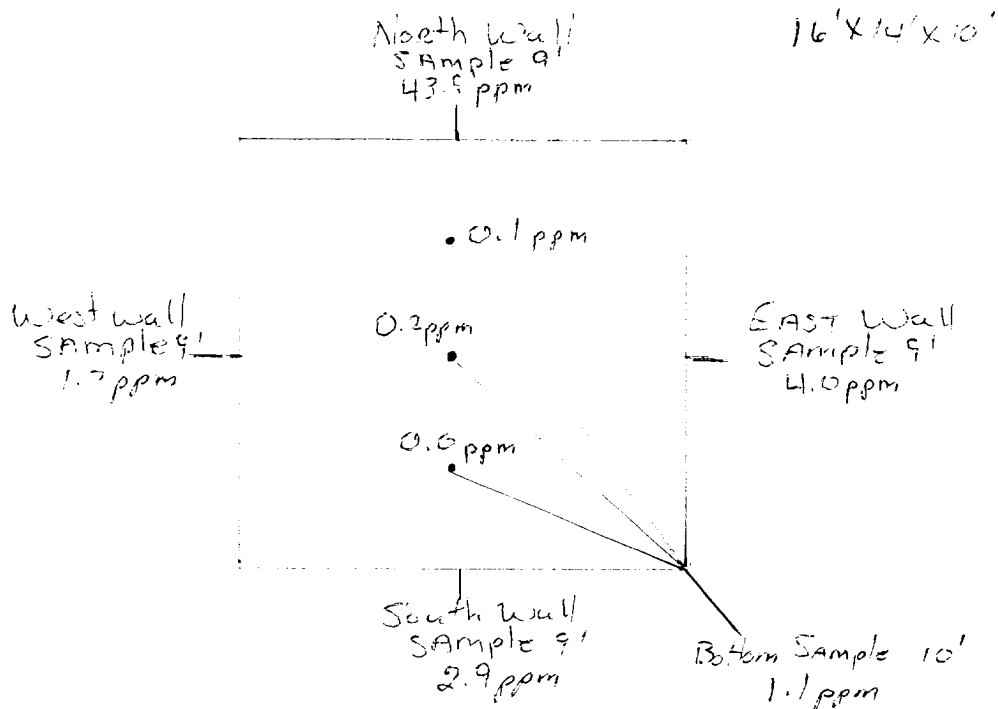
ROAD



SICARILLA
N-2
LOCATION

SICARILLA N-2 Drip
 Sec-3 T24N R-5W Unit-N

EXCAVATION SIZE



3.5' sample 891 ppm
 5' sample 90.0 ppm
 10' sample 0.1 ppm
 Bottom 10' sample 0.2 ppm
 10' sample 0.0 ppm

OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807020

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: 23-Jul-98

| | | | |
|--------------------|------------------------------------|----------------------------|-------------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla N-2 Drip |
| Work Order: | 9807020 | Client Sample ID: | 9807070933; 3pt. Comp. Bottom |
| Lab ID: | 9807020-04A | Matrix: | SOIL |
| Project: | PNM Pit Remediation | Collection Date: | 7/7/98 9:33:00 AM |
| | | COC Record: | 5639 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: DC |
| T/R Hydrocarbons: C10-C28 | 54 | 25 | | mg/Kg | 1 | 7/14/98 |

| | | |
|--------------------|---|---|
| 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 |

1 of 1

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

OFF: (505) 325-5667



LAB: (505) 325-1556

ANALYTICAL REPORT

Date: 23-Jul-98

| | | | |
|--------------------|------------------------------------|----------------------------|------------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla N-2 Drip |
| Work Order: | 9807020 | Client Sample ID: | 9807070932; 4pt. Comp. Walls |
| Lab ID: | 9807020-03A | Matrix: | SOIL |
| Project: | PNM Pit Remediation | Collection Date: | 7/7/98 9:32:00 AM |
| | | COC Record: | 5639 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: DC |
| T/R Hydrocarbons: C10-C28 | 40 | 25 | | mg/Kg | 1 | 7/14/98 |

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
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- Surr: - Surrogate

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT -

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

SUBMIT 1 COPY TO
NATURAL
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AND OIL GAS
ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: PNM Gas Services (WFS) Telephone: 324-3764
Address: 603 W. Elm Street Farmington, NM 87401
Facility or Well Name: JICARILLA N-2 DRIP
Location: Unit: N Sec. 3 T. 24' N R. 5 W County Rio Arriba
Land Type: Jicarilla Apache

Date Remediation Started: 7/7/98 Date Completed: 7/28/98
Remediation Method: Landfirmed X Approx. cubic yards 83
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: 7/21/98 Time 0950
Sampling Results:
Field Headspace (ppm) 1.2
TPH (ppm) 34 Method 8015
Other

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

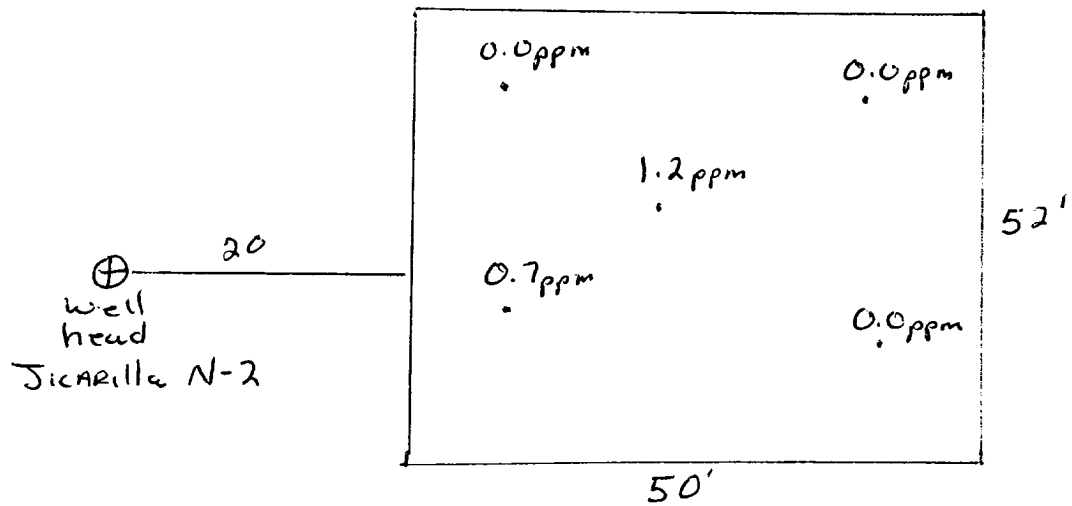
DATE 7/26/98 PRINTED NAME Roy Burnham
SIGNATURE Roy Burnham AND TITLE Environmental Technician II

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: Keith M... DATE: 7-28-98

JICARILLA N-2 Drip
Sec-3 T-24N R-5W unit-N

LAND FARM DRAWING



OFF: (505) 325-5667



LAB: (505) 325-1556

On Site Technologies, LTD.

Date: 23-Jul-98

CLIENT: PNM - Public Service Company of NM

Project: PNM Pit Remediation

Lab Order: 9807060

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: 23-Jul-98

| | | | |
|--------------------|------------------------------------|----------------------------|------------------------|
| Client: | PNM - Public Service Company of NM | Client Sample Info: | Jicarilla N-2 Drip LF |
| Work Order: | 9807060 | Client Sample ID: | 9807210950; 5pt. Comp. |
| Lab ID: | 9807060-04A | Matrix: | SOIL |
| Project: | PNM Pit Remediation | Collection Date: | 7/21/98 9:50:00 AM |
| | | COC Record: | 7317 |

| Parameter | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------------|------|-------|----|---------------|
| DIESEL RANGE ORGANICS | | SW8015 | | | | Analyst: HR |
| T/R Hydrocarbons: C10-C28 | 34 | 25 | | mg/Kg | 1 | 7/22/98 |

| | | |
|--------------------|---|---|
| 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 |
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