

LOCATION: SAN JUAN 28-7 # 225

RCRA EXEMPT

PIT TYPE:

BPR

WASTES:

Yes ☒

No ☐

S-34, T-28N, R-7W, Unit-B

DATE FLOW TO PIT STOPPED:

8/1/95

TYPE REPLACEMENT PIT:

☐

NONE

☐

BACKFILLED - BELOW GROUND

☒

ABOVE GROUND

ACREAGE

TYPE:

☒

FEDERAL

☐

JICARILLA

☐

NAVAHO

☐

STATE

☐

FEE

### SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE 50-99'

Ranking Score

Basis: ELEVATION FROM WASH

10

2) Wellhead Protection Area:

Distance To

Water Sources: ± 1000'

Private Domestic Water Sources: > 200'

Basis: CARRIZO WASH DOMESTIC USE ± 1000'

20

3) Distance To Surface Body of Water: ± 1000'

Basis: CARRIZO WASH ACTIVE ± 1000' SOUTH

10

Total Score:

40

Soil Characteristic

☐

Highly Contaminated/Saturated

☒

Unsaturated Contaminated

### RANKING CRITERIA

| Depth to Groundwater | Wellhead Protection Area                                                     | Distance to Surface Water Body |
|----------------------|------------------------------------------------------------------------------|--------------------------------|
|                      | < 1000' from water source<br>or < 200' from private<br>domestic water source |                                |
| Score                | Score                                                                        | Rank                           |
| < 50 ft              | yes                                                                          | 20                             |
| < 50 - 99            | no                                                                           | 0                              |
| > 100 ft             |                                                                              | 0                              |

### GUIDELINE REMEDIATION LEVELS

| Total Ranking Score |      |       |       |
|---------------------|------|-------|-------|
|                     | > 19 | 10-19 | 0-9   |
| Benzene (ppm)       | 10   | 10    | 10    |
| BTEX (ppm)          | 50   | 50    | 50    |
| Field Headspace     |      |       |       |
| Method for BTEX     | 100  | 100   | 100   |
| TPH (ppm) **        | 100  | 1,000 | 5,000 |

\*\* Concentration above background

### DEFINITION OF CONTAMINATION

Depth Excavated: 13' BGS

Full Excavation: ☒

Maximum Extent Practicable 13' BGS @ 29.7 ppm

Date: 8/1/95

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLE RESULTS NOTES" FORM

Groundwater Encountered:

Yes ☐

No ☒

If yes, approximate depth:

Groundwater Sampling?

☐

Yes

☒

No

Where was gw sample taken?

Attach GW Sample Results

NOTES:

DEPUTY OIL & GAS INSPECTOR

JUN 13 1995

RECEIVED  
MAR 18 1996

OIL CON. DIV.  
DIST. 3

# REMEDIATION PROFILE

Soil Treated Onsite



Date Remediation Started: 8/1/95

☐ In Situ Bio

☐ w/vapor venting

☒ Landfarmed

☐ Composted

| Date: 8/1/95     | Description              | Amount/Rate | Date: | Description | Amount/Rate |
|------------------|--------------------------|-------------|-------|-------------|-------------|
| Tilled           |                          |             |       |             |             |
| Nutrients        | 25-5-10 Fert. (landfarm) | 35 lbs      |       |             |             |
| Moisture         |                          |             |       |             |             |
| Bulking Agent    |                          |             |       |             |             |
| Organic Material |                          |             |       |             |             |

| Date:            | Description | Amount/Rate | Date: | Description | Amount/Rate |
|------------------|-------------|-------------|-------|-------------|-------------|
| Tilled           |             |             |       |             |             |
| Nutrients        |             |             |       |             |             |
| Moisture         |             |             |       |             |             |
| Bulking Agent    |             |             |       |             |             |
| Organic Material |             |             |       |             |             |

ALL SAMPLE RESULTS ARE SHOWN ON "SAMPLING RESULTS NOTES" FORM

## SOIL TREATED/HANDLED OFFSITE

### TO SITE(ATTACH MANIFEST)

Where Treated:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

Quantity Disposed At Envirotech:

### FROM SITE (ATTACH MANIFEST)

To This Location From:

Type of Land (Fed/Nav/Jic/State/Fee):

Quantity Moved:

## FINAL CLOSURE

BTEX: 29.7 ppm (From Headspace Analysis)

TPH: ND ppm (From Lab Results)

Revegetated:

yes ☐

no ☒

Active Well or Facility Pad:

yes ☒

no ☐

NOTES: 8/1/95 Excavated CPR 20 x 20 x 13' BGS & Landfarmed Soil

Took 5 pt Comp. on excavated area 4 grabs from each sidewall

and one in center @ BGS; OVM = 63.1 ppm @ 76°, Sent Sample for TPH

Landfarmed 4000 ft<sup>3</sup> of soil. Took 14 pt composite of 2 landfarmed areas

soil; OVM = 462 ppm @ 77°. Fertilized landfarm w/ 35 lbs of 25-5-10

8/4/95 Landfarmed soil turned & Aerate w/ boxblade

NOTES: 8/15/95 Took 14 pt Composite of 2 landform areas. 10VM = 21 ppm @ 7 1/2°

Sent Land Area sample to Lab for TPH

# IT CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES *Coroco Inc.*

LOCATION OF PIT

*San Juan 28-7 #225*

TYPE OF PIT:

*BPR*

| DESCRIPTION OF SAMPLE                      | SAMPLE EVENT # 1                                         | SAMPLE EVENT # 2           | SAMPLE EVENT # 3                                        | SAMPLE EVENT #                                   | SAMPLE EVENT #                                | SAMPLE EVENT # | SAMPLE EVENT # | SAMPLE EVENT # |
|--------------------------------------------|----------------------------------------------------------|----------------------------|---------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|----------------|----------------|----------------|
| DATE OF SAMPLE                             | <i>6/16/95</i>                                           | <i>6/16/95</i>             | <i>8/1/95</i>                                           | <i>8/1/95</i>                                    | <i>8/15/95</i>                                |                |                |                |
| LOCATION OF SAMPLE                         | <i>BPR</i>                                               | <i>BPR</i>                 | <i>BPR</i>                                              | <i>BPR Landfarm 14pt.</i>                        | <i>BPR Landfarm 14pt.</i>                     |                |                |                |
| TYPE OF SAMPLE: (GRAB/COMPOSITE)           | <i>Grab</i>                                              | <i>Grab</i>                | <i>Composite</i>                                        | <i>Composite</i>                                 | <i>Composite</i>                              |                |                |                |
| DEPTH OF SAMPLE(S)                         | <i>6'-8'</i>                                             | <i>8'-10'</i>              | <i>13' BGGS</i>                                         | <i>Landfarm</i>                                  | <i>Landfarm</i>                               |                |                |                |
| TEMPERATURE OF SAMPLE                      | <i>76°</i>                                               | <i>73°</i>                 | <i>76°</i>                                              | <i>77°</i>                                       | <i>76°</i>                                    |                |                |                |
| LD METHOD RESULTS (PPMS)                   |                                                          |                            |                                                         |                                                  |                                               |                |                |                |
| TPH VAPORS (EQUIV UNITS)                   | <i>88.9 ppm</i>                                          | <i>44.2 ppm</i>            | <i>63.1 ppm</i>                                         | <i>46.2</i>                                      | <i>21 ppm</i>                                 |                |                |                |
| BENZENE RESPONSE FACTOR                    | <i>147</i>                                               | <i>147</i>                 | <i>147</i>                                              | <i>147</i>                                       | <i>147</i>                                    |                |                |                |
| ADJUSTED FOR BENZENE EQUIV UNITS           | <i>41.8</i>                                              | <i>20.8</i>                | <i>30</i>                                               | <i>217</i>                                       | <i>9.9</i>                                    |                |                |                |
| RESULTS IN PPM: METHOD (418.1 OR MOD 8015) |                                                          |                            | <i>418.1</i>                                            |                                                  | <i>418.1</i>                                  |                |                |                |
| TPH                                        |                                                          |                            | <i>ND</i>                                               |                                                  | <i>ND</i>                                     |                |                |                |
| NOTES                                      | <i>Sample sent # 2 &amp; 2 are center of pit samples</i> | <i>No odor ! NO stain.</i> | <i>Excavated pit Landfarm Contamin Soil Sent to lab</i> | <i>Contamin. Soil from pit. Treated w/ Fert.</i> | <i>Monitoring Landfarm Sent Sample to lab</i> |                |                |                |

**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1**

**Conoco Inc.**

Project: Backhoe and hand grab  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 08/10/95  
Date Sampled: 7/31-8/1/95  
Date Received: 08/02/95  
Date Extracted: 08/09/95  
Date Analyzed: 08/10/95

|                 |        |    |    |
|-----------------|--------|----|----|
| 28-7 #94 LF-TDP | G01289 | ND | 20 |
| 28-7 #94 LF-BPR | G01290 | ND | 20 |
| 28-7 #134 TDP   | G01291 | ND | 19 |
| 28-7 #225 BPR   | G01292 | ND | 19 |

ND - Analyte not detected at stated detection level.

**References:**

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: C. Hill

**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1**

**Conoco Inc.**

Project: Soil TPH  
Matrix: Soil  
Condition: Intact/Cool

Date Reported: 08/18/95  
Date Sampled: 08/15/95  
Date Received: 08/15/95  
Date Extracted: 08/18/95  
Date Analyzed: 08/18/95

| Sample ID           | Lab ID | Result<br>(mg/kg) | Detection<br>Limit<br>(mg/kg) |
|---------------------|--------|-------------------|-------------------------------|
| SJ 28-7 #225 LF-BPR | G01393 | ND                | 19                            |
| SJ 28-7 #47 LF-SEP  | G01394 | ND                | 20                            |

ND - Analyte not detected at stated detection level.

**References:**

**Method 418.1:** Petroleum Hydrocarbons, Total Recoverable, USEPA Chemical Analysis of Water and Waste, 1978.

**Method 3550:** Ultrasonic Extraction of Non-Volatile and Semi-Volatile Organic Compounds from Solids, USEPA SW-846, Rev. 1, July 1992.

Analyst: Anna Schaefer

Reviewed: mm

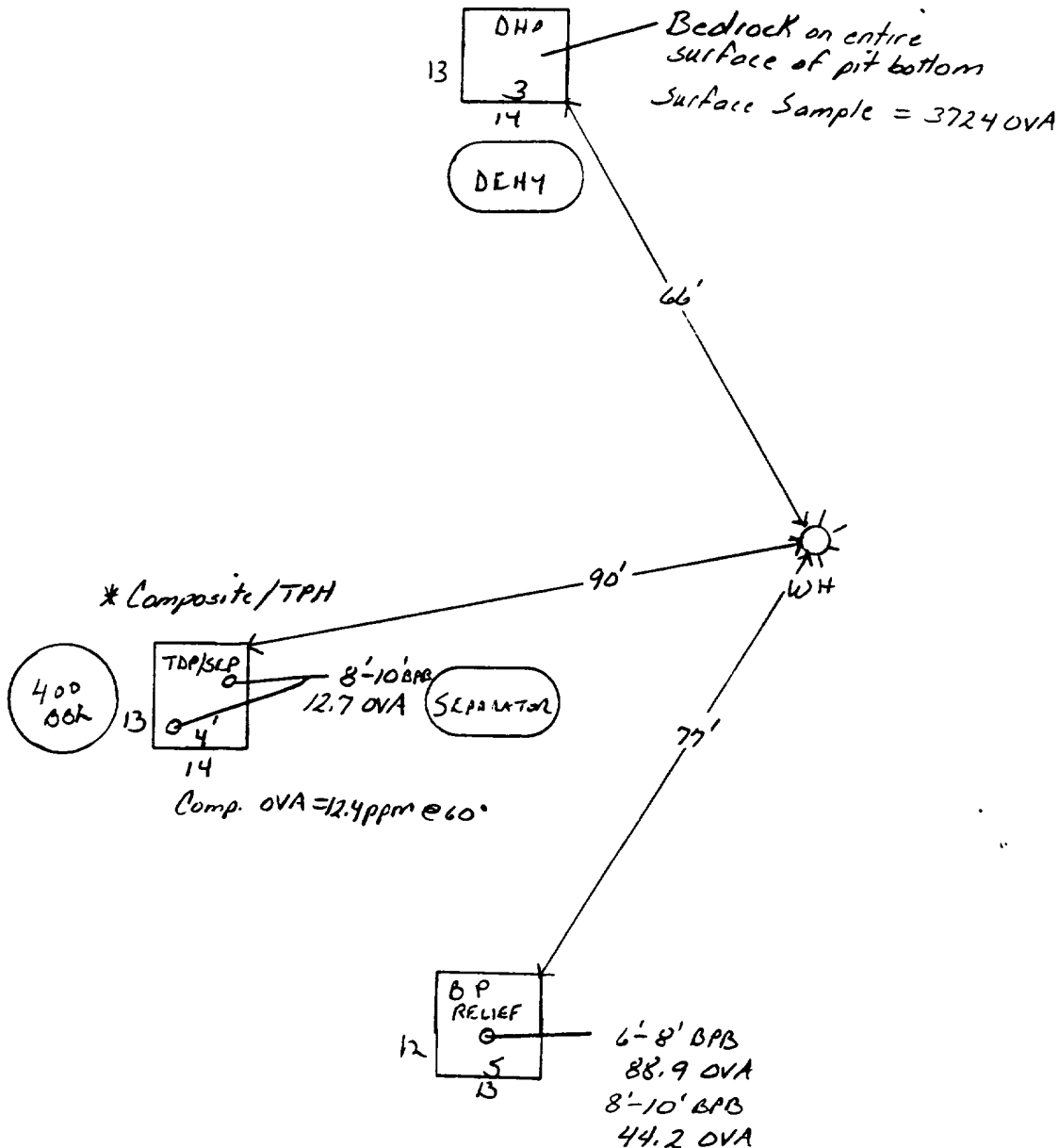
PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #225 S 34 T 28N R 7W UNIT A

DATE STARTED: 6/16/95

DATE COMPLETED: \_\_\_\_\_

Conoco Inc.



—|||—  
MEAS. RAIL

Estimated  
D.G.  
↓

○ SOIL SAMPLE LOCATION

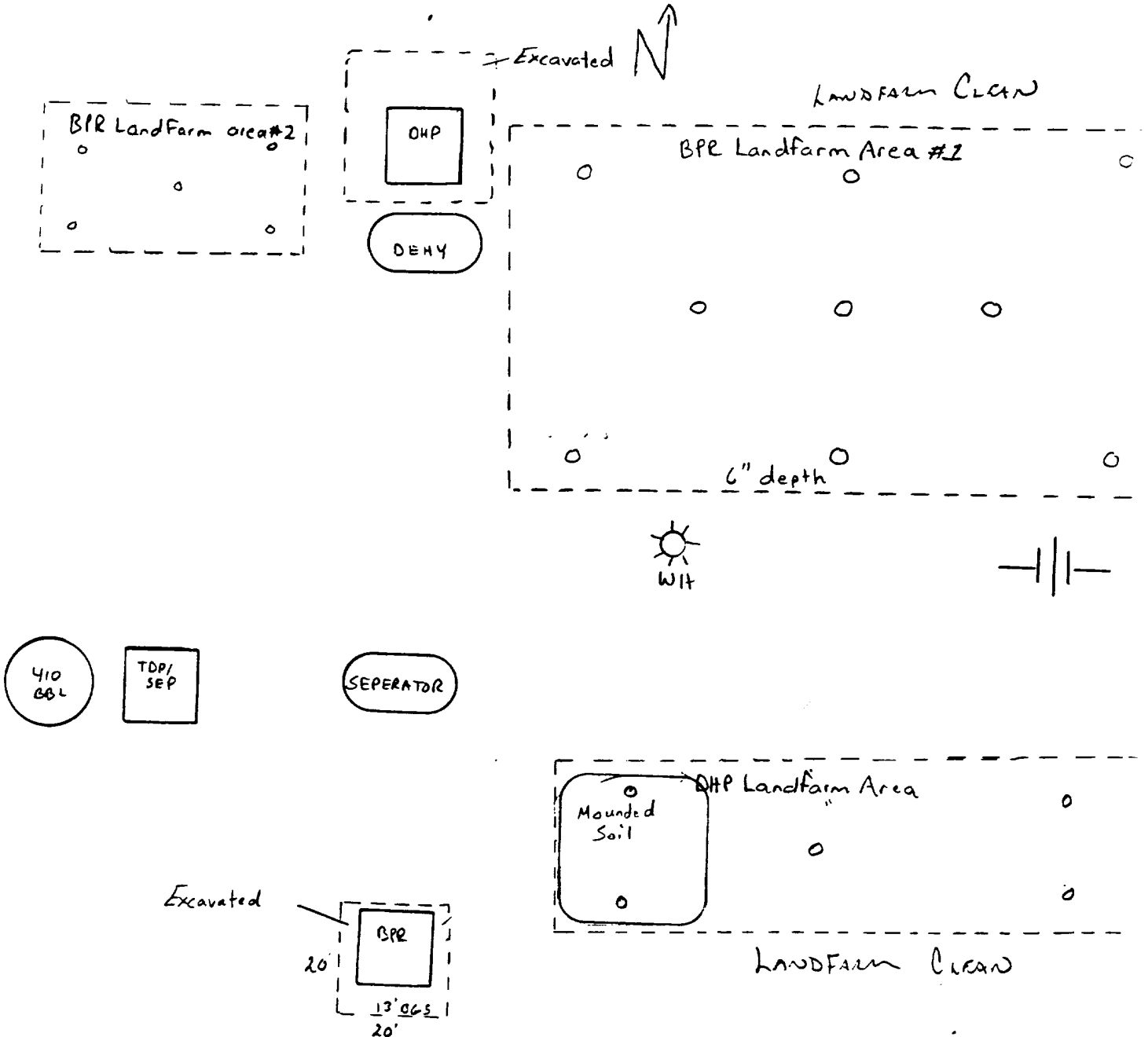
△ BACKGROUND SAMPLE LOCATION

PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: San Juan 28-7 #225 S 34 T 28N R 7W UNIT A

DATE STARTED: 8/1/95 DATE COMPLETED: \_\_\_\_\_

Remediation/Excavation Data



o SOIL SAMPLE LOCATION

A BACKGROUND SAMPLE LOCATION