

LOCATION: San Juan 28-7 # 71 RCRA EXEMPT  
WASTES: Yes ☐ No ☐  
PIT TYPE: TDP (ACTIVE) S-34, T-28N, R-7W, Unit-L

DATE FLOW TO PIT STOPPED: 8/95

TYPE REPLACEMENT PIT: ☐ NONE ☐ BACKFILLED - BELOW GROUND ☒ ABOVE GROUND

ACREAGE

TYPE: ☒ FEDERAL ☐ JICARILLA ☐ NAVAHO ☐ STATE ☐ FEE

### SITE ASSESSMENT

1) Groundwater Depth: ESTIMATE > 100' Ranking Score  
Basis: ELEVATION FROM WASH 0

2) Wellhead Protection Area:  
Distance To  
Water Sources: > 1000' Private Domestic Water Sources: > 200'  
Basis: NO PRIVATE OR DOMESTIC WTR SOURCES IN VICINITY 0

3) Distance To Surface Body of Water: > 1000'  
Basis: NO SURFACE WTR IN VICINITY 0

Total Score: 0

Soil Characteristic (LIQUID H<sub>2</sub>O/DILUTED)  
☒ 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 20            | yes 20                                                                      | <200' horiz 20                 |
| <50 - 99 10          | no 0                                                                        | 200 - 1000' horiz 10           |
| >100 ft 0            |                                                                             | >1000' horiz 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

Date: 8/8/95

### DEFINITION OF CONTAMINATION

Depth Excavated: 8' BGS

Full Excavation: ☐ Maximum Extent Practicable Hit Resistant Bedrock @ 8' BGS

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:

Denny E. Faust  
DEPUTY OIL & GAS INSPECTOR

JUN 11 8 1996

Approved

RECEIVED  
MAR 18 1996

OIL CON. DIST. 3

Soil Treated Onsite



Date Remediation Started: 8/7/95

☒ In Situ Bio☐ w/vapor venting☒ Landfarmed☐ Composted

| Date: 8/8/95 | Description      | Amount/Rate            | Date: | Description | Amount/Rate |
|--------------|------------------|------------------------|-------|-------------|-------------|
|              | Tilled           |                        |       |             |             |
|              | Nutrients        | 34-0-0 Fect (landform) |       |             | 3.5 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: 240 ppm (From Headspace Analysis)

TPH: 5,090 ppm (From Lab Results)

Revegetated:

yes ☐no ☒

Active Well or Facility Pad:

yes ☒no ☐

NOTES: 8/8/95 Excavated pit 10'x10'x8' BGS hit Resistant bedrock @ 8' BGS

Took 4 pt. composite sample of 4 side walls of excavated area; NM = 52.7 ppm @ 7'

Took 5 pt Composite of bedrock surface @ 8' BGS; OVM = 511.1 ppm @ 69"

Sent bedrock sample in for TPH.

Treated bottom of excavated area w/ 1 lb of 34-0-0

NOTES: TOP

8/8/95 Treated landformed soil w/ 3.5 lbs of 34-0-0

Took 5 pt Composite Sample of the 500 ft<sup>3</sup> Landformed soil

Landformed soil OVM = 4827 ppm @ 750

8/16/95 Took 5 pt Comp. Sample of landformed Soil; OVM = 195 ppm

2/15/96. SAMPLED L.F.; NUA; TPH LEVELS BELOW <sup>@ 71"</sup>

REQUIREMENTS, CLOSED PIT.

# CLOSURE DOCUMENTATION - SAMPLING RESULTS NOTES

LOCATION OF PIT

San Juan 287 # 71

TYPE OF PIT:

TOP

| DESCRIPTION OF SAMPLE            | SAMPLE EVENT # 1 | SAMPLE EVENT # 2                                                      | SAMPLE EVENT # 3                                     | SAMPLE EVENT # 4                                                  | SAMPLE EVENT # 5                          | SAMPLE EVENT # 6 | SAMPLE EVENT # 7      | SAMPLE EVENT # |
|----------------------------------|------------------|-----------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------|------------------|-----------------------|----------------|
| DATE OF SAMPLE                   | 7/11/95          | 7/11/95                                                               | 8/8/95                                               | 8/8/95                                                            | 8/8/95                                    | 8/16/95          | 2/15/96               |                |
| LOCATION OF SAMPLE               | TOP              | TOP                                                                   | TOP                                                  | TOP                                                               | TOP                                       | TOP              | TOP                   |                |
| TYPE OF SAMPLE: (GRAB/COMPOSITE) | Grab             | Grab                                                                  | Composite                                            | Composite                                                         | Composite                                 | Composite        | Composite             |                |
| DEPTH OF SAMPLE(S)               | 4'               | 4'-5'                                                                 | 8' BGS                                               | 8' BGS                                                            | 8' BGS                                    | Landform         | 0-6"                  |                |
| TEMPERATURE OF SAMPLE            | 76°              | 78°                                                                   | 71°                                                  | 69°                                                               | 75°                                       | 71°              | 67°                   |                |
| METHOD RESULTS (PPMS)            |                  |                                                                       |                                                      |                                                                   |                                           |                  |                       |                |
| TPH VAPORS (EQUIV UNITS)         | 4469 ppm         | 2333 ppm                                                              | 52.7 ppm                                             | 571.1 ppm                                                         | 482.7 ppm                                 | 195 ppm          | N/D                   |                |
| BENZENE RESPONSE FACTOR          | .47              | .47                                                                   | .47                                                  | .47                                                               | .47                                       | .47              | .47                   |                |
| ADJUSTED FOR BENZENE EQUIV UNITS | 2100             | 1097                                                                  | 24.8                                                 | 240                                                               | 227                                       | 92               | -                     |                |
| RESULTS IN PPM:                  |                  |                                                                       |                                                      |                                                                   |                                           |                  |                       |                |
| METHOD (418.1 OR MOD 8015)       |                  |                                                                       |                                                      | 418.1                                                             |                                           |                  | 418.1                 |                |
| TPH                              |                  |                                                                       |                                                      | 5,090                                                             |                                           |                  | 24.6                  |                |
| NOTES                            |                  | H/H Bedrock Sand Stone could not penetrate w/ bore grey-black stained | Composite of 4 side walls of excavated area @ 8' BGS | Composite Sample of bedrock surface @ 8' BGS. Sent to Lab for TPH | Sample taken from excavated Landform Soil | Land Formed Soil | PULLED SAMPLE FOR TPH |                |

**TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1****Conoco Inc.**

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

Date Reported: 08/11/95  
Date Sampled: 08/08/95  
Date Received: 08/09/95  
Date Extracted: 08/10/95  
Date Analyzed: 08/11/95

| Sample ID               | Lab ID | Result<br>(mg/kg) | Detection<br>Limit<br>(mg/kg) |
|-------------------------|--------|-------------------|-------------------------------|
| SJ 28-7 #71 TDP (BRSS)  | G01351 | 5,090             | 198                           |
| SJ 28-7 #103 TDP        | G01352 | ND                | 20                            |
| SJ 28-7 #71 BPR (BRSS)  | G01353 | 320               | 20                            |
| SJ 28-7 #131 TDP        | G01354 | ND                | 18                            |
| SJ 28-7 #131 BDP (BRSS) | G01355 | 24.6              | 20                            |
| SJ 28-7 #131 DHP (BRSS) | G01356 | 2,690             | 100                           |
| SJ 28-7 #224 BPR (BRSS) | G01357 | 179               | 19                            |
| SJ 28-7 #224 TDP        | G01358 | ND                | 20                            |
| SJ 28-7 #134 LF-BPR     | G01359 | 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 Schauer

Reviewed: mk

TOTAL PETROLEUM HYDROCARBONS  
EPA METHOD 418.1Conoco Inc.Project: Soil TPH  
Matrix: Soil  
Condition: Intact/CoolDate Reported: 02/23/96  
Date Sampled: 02/15-16/96  
Date Received: 02/16/96  
Date Extracted: 02/22/96  
Date Analyzed: 02/23/96

| Sample ID          | Lab ID | Result<br>(mg/kg) | Detection<br>Limit<br>(mg/kg) |
|--------------------|--------|-------------------|-------------------------------|
| SJ 28-7 187E LF    | G00224 | ND                | 20                            |
| SJ 28-7 72 LF      | G00225 | 230               | 20                            |
| SJ 28-7 79 LF      | G00226 | ND                | 19                            |
| SJ 28-7 103 LF     | G00227 | 263               | 19                            |
| SJ 28-7 71 TDP LF  | G00228 | 24.6              | 20                            |
| SJ 28-7 71 DHP LF  | G00229 | 1,650             | 98                            |
| SJ 28-7 131 LF     | G00230 | ND                | 19                            |
| SJ 28-7 236 TDP LF | G00231 | ND                | 19                            |
| SJ 28-7 236 BRP LF | G00232 | ND                | 20                            |
| SJ 28-7 236 SEP LF | G00233 | 91.0              | 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: AKReviewed: SB

# PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #1

WELL LOCATION: SAN JUAN 28-7 #71 S34 T28N R74 UNIT L

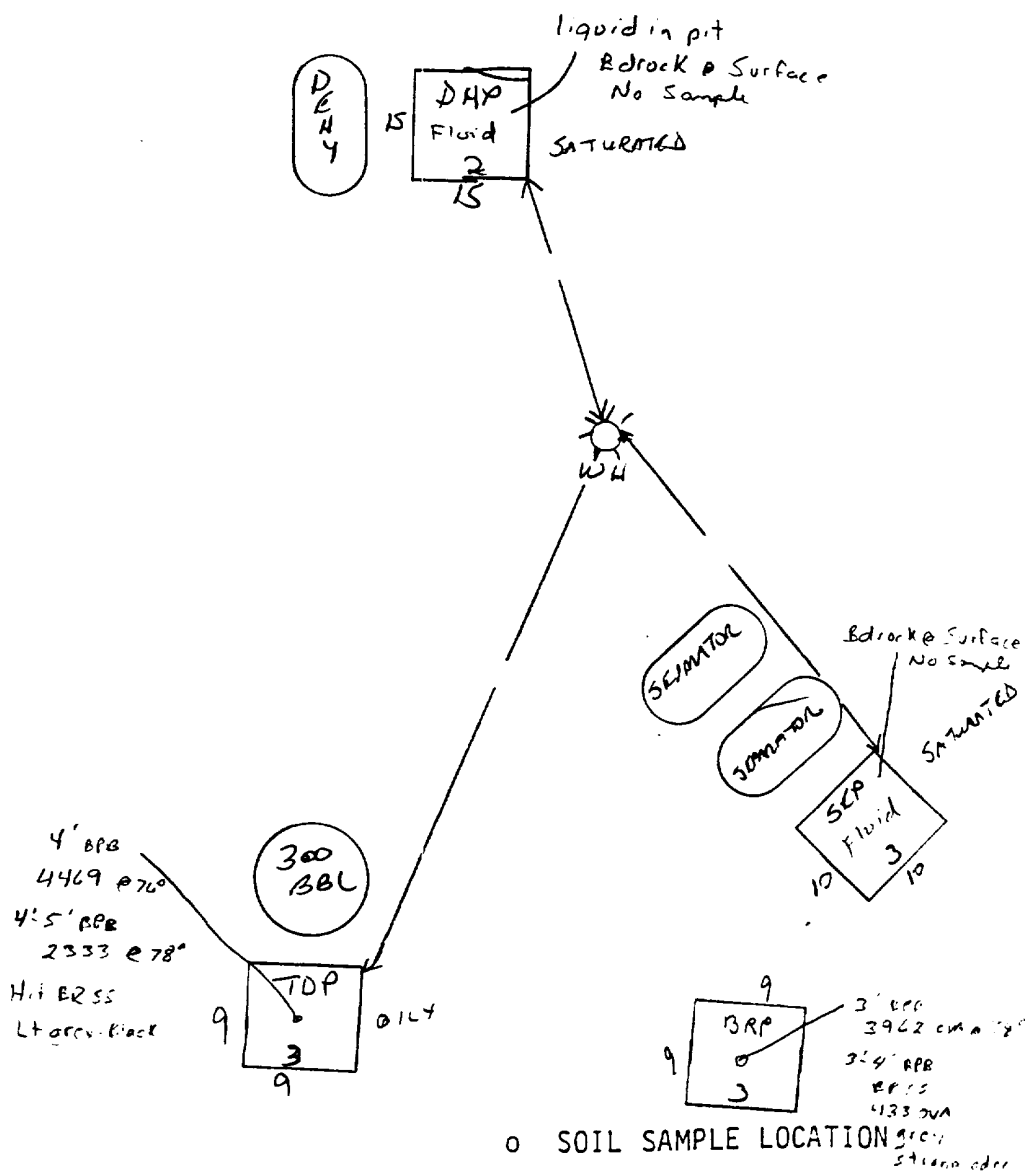
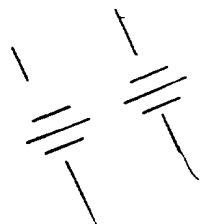
DATE STARTED: 7/11/95

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

Conoco Inc.



METER RUNS



- SOIL SAMPLE LOCATION
- △ BACKGROUND SAMPLE LOCATION

# PIT LOCATION AND COMPOSITE SAMPLE PROFILE MAP #2

WELL LOCATION: SAN JUAN 28-7 #71 S34 T28N R7W UNIT L

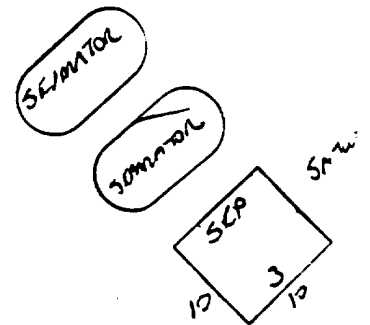
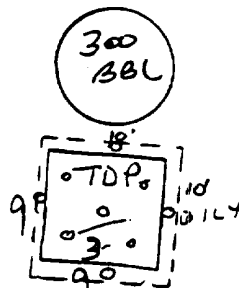
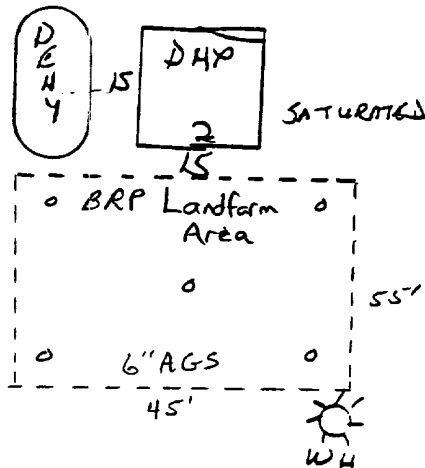
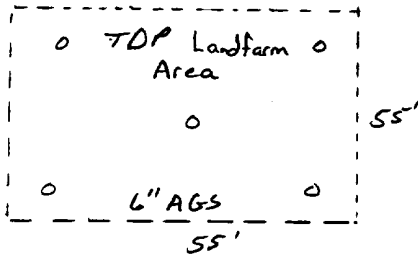
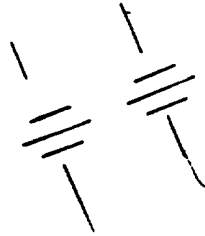
DATE STARTED: \_\_\_\_\_

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

## Remediation/Excavation Data



METER RUNS



○ SOIL SAMPLE LOCATION