

Denny E. Faust  
DEPUTY OIL & GAS INSPECTOR

FIELD PIT SITE ASSESSMENT FORM

MAR 27 1998

GENERAL

Approved  
Meter: 93462 Location: GALLEGOS CANYON UNIT #145E  
Operator #: 0203 Operator Name: AMOCO P/L District: KUTZ  
Coordinates: Letter: D Section 26 Township: 29 Range: 12  
Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Pit Type: Dehydrator ☒ Location Drip: \_\_\_\_\_ Line Drip: \_\_\_\_\_ Other: \_\_\_\_\_  
Site Visit Date: 4.5.94 Run: 02 33

SITE ASSESSMENT

NMOCD Zone: Inside Land Type: BLM ☐  
(From NMOCD Vulnerable State ☐  
Maps) Zone ☒ Fee ☒  
Outside ☐ Indian \_\_\_\_\_

Depth to Groundwater

Less Than 50 Feet (20 points) ☐  
50 Ft to 99 Ft (10 points) ☒  
Greater Than 100 Ft (0 points) ☐

Wellhead Protection Area :

Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☒ YES (20 points) ☐ NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐  
200 Ft to 1000 Ft (10 points) ☐  
Greater Than 1000 Ft (0 points) ☒

Name of Surface Water Body \_\_\_\_\_

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 30 POINTS

REMARKS

Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS ON NORTH SIDE OF HWY. 68 JUST BEHIND A COUPLE OF HOUSES.



Environmental Services Group  
10000 N. 10th Avenue

**Gallegos Canyon Unit # 145 E**  
**Meter Code 93462**

Pit was excavated to 12 feet beneath ground surface. Sandstone was encountered at approximately 12 feet. The headspace soil reading from the excavation bottom was 364 parts per million. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 55.2 mg/kg, TPH - 3000 mg/kg.

One soil boring was completed and no monitoring well was installed. No soil sample was collected due to encountering shallow groundwater.

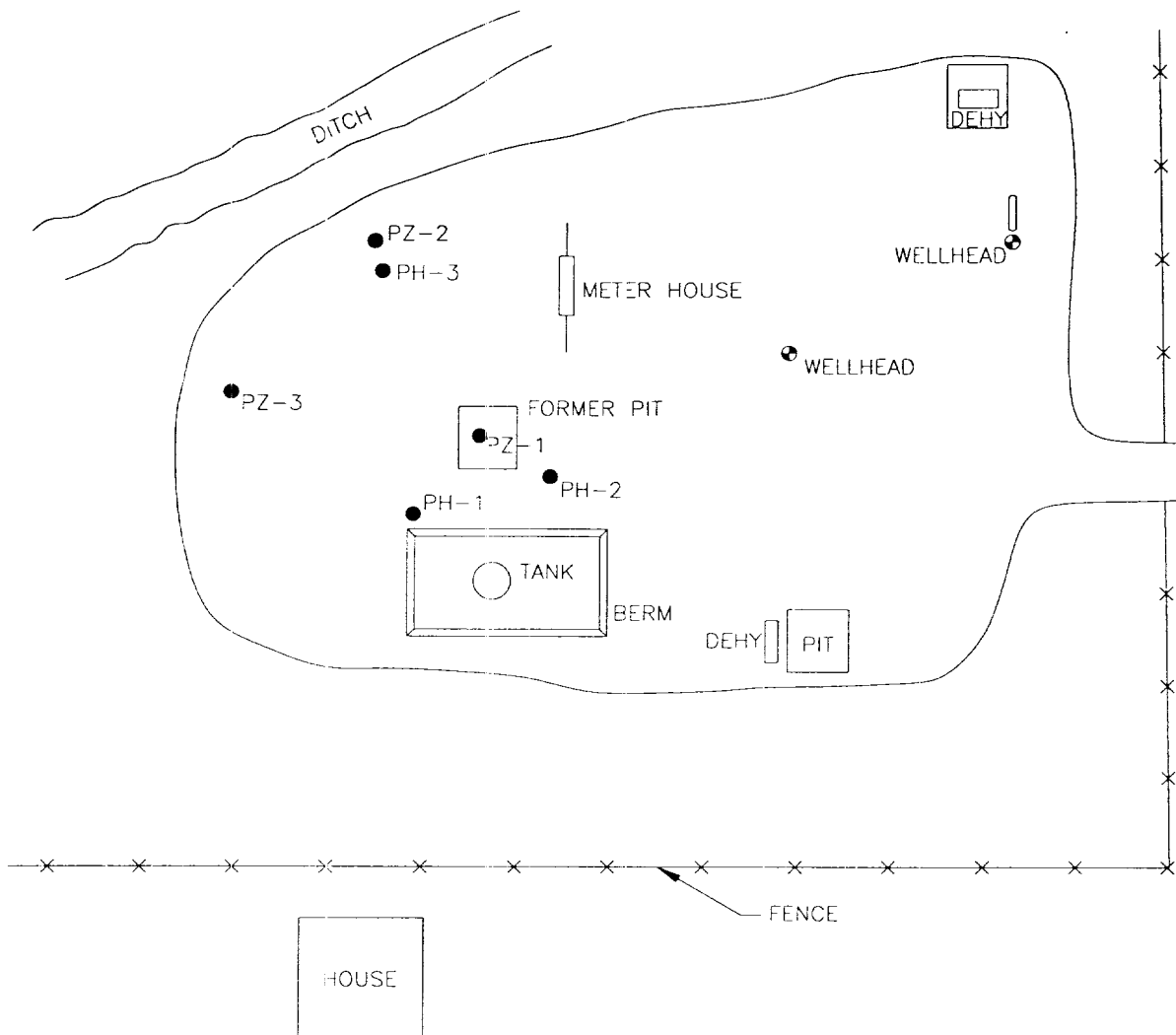
A Geoprobe survey was conducted and groundwater samples were collected. Groundwater analytical results were as follows:

PZ-1: benzene - <1 ppb, toluene - 8.5 ppb, ethyl benzene - 2.85 ppb, total xylenes - 70 ppb.  
PZ-3: benzene - <1 ppb, toluene - <1 ppb, ethyl benzene - <1 ppb, total xylenes - <3 ppb.  
PH-1: benzene - <1 ppb, toluene - 2.59 ppb, ethyl benzene - <1 ppb, total xylenes - 1.21 ppb.  
PH-2: benzene - <1 ppb, toluene - <1 ppb, ethyl benzene - <1 ppb, total xylenes - <3 ppb.  
PH-3: benzene - <1 ppb, toluene - <1 ppb, ethyl benzene - <1 ppb, total xylenes - <3 ppb.

This site is ready for closure based on the following:

- The pit was excavated to sandstone.
- Groundwater samples were below standards up and down gradient of the former pit, and from the center of the former pit.





# LEGEND

- PH-1 APPROXIMATE PROBE HOLE LOCATION AND NUMBER

NOT TO SCALE

COL 16297C-001



TITLE:

Gallegos Canyon Unit 145E  
93462

DWN:

TMM

DES.:

TMM

PROJECT NO.:

16297

EPFS GW PITS

CHKD:

CC

APPD:

CC

DATE:

7/17/97

REV.:

0

Figure 1

# FIELD PIT REMEDIATION/CLOSURE FORM

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GENERAL</b>            | <p>Meter: <u>93462</u> Location: <u>Gallegos Canyon Unit #145E</u></p> <p>Coordinates: Letter: <u>O</u> Section <u>26</u> Township: <u>29</u> Range: <u>12</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>4-27-94</u> Area: <u>02</u> Run: <u>33</u></p>                                                                                                                                                                                                                           |
| <b>FIELD OBSERVATIONS</b> | <p>Sample Number(s): <u>VW 36</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>364</u> PID Reading Depth <u>12</u> Feet</p> <p style="text-align: center;">Yes      No</p> <p>Groundwater Encountered <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (2) Approximate Depth _____ Feet</p>                                                                                                                                                                           |
| <b>CLOSURE</b>            | <p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> (1) Approx. Cubic Yards <u>40</u></p> <p>Onsite Bioremediation <input type="checkbox"/> (2)</p> <p>Backfill Pit Without Excavation <input type="checkbox"/> (3)</p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> (1) <input checked="" type="checkbox"/> (3) Tierra</p> <p>Other Facility <input type="checkbox"/> (2) Name: _____</p> <p>Pit Closure Date: <u>4-27-94</u> Pit Closed By: <u>BEI</u></p> |
| <b>REMARKS</b>            | <p>Remarks : <u>No line markers. Large Pit to the West has water standing in it - 12' h.t sand stone Pulled sample.</u></p>                                                                                                                                                                                                                                                                                                                                                                               |
|                           | <p>Signature of Specialist: <u>Vale Wilson</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**FIELD SERVICES LABORATORY  
ANALYTICAL REPORT  
PIT CLOSURE PROJECT**

**SAMPLE IDENTIFICATION**

|                            |                                               |                            |
|----------------------------|-----------------------------------------------|----------------------------|
|                            | Field ID                                      | Lab ID                     |
| SAMPLE NUMBER:             | VW36                                          | 945024                     |
| MTR CODE   SITE NAME:      | 93462                                         | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 4/27/94                                       | 1335                       |
| PROJECT:                   | Phase I <del>Drilling</del> <i>Excavation</i> |                            |
| DATE OF TPH EXT.   ANAL.:  | 4/28/94                                       | 4/28/94                    |
| DATE OF BTEX EXT.   ANAL.: | 5/9/94                                        | 5/10/94                    |
| TYPE   DESCRIPTION:        | VC                                            | Gray coarse sand           |

Field Remarks: \_\_\_\_\_

**RESULTS**

| PARAMETER      | RESULT | UNITS | QUALIFIERS |   |      |       |
|----------------|--------|-------|------------|---|------|-------|
|                |        |       | DF         | Q | M(g) | V(ml) |
| BENZENE        | <0.5   | MG/KG |            |   |      |       |
| TOLUENE        | <0.5   | MG/KG |            |   |      |       |
| ETHYL BENZENE  | 4.20   | MG/KG |            |   |      |       |
| TOTAL XYLENES  | 51.0   | MG/KG |            |   |      |       |
| TOTAL BTEX     | 55.2   | MG/KG |            |   |      |       |
| TPH (418.1)    | 3,000  | MG/KG |            |   | 2.05 | 28    |
| HEADSPACE PID  | 364    | PPM   |            |   |      |       |
| PERCENT SOLIDS | 89.0   | %     |            |   |      |       |

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 96.0 for this sample All QA/QC was acceptable.

Narrative:

*ATI analyzed this sample.*

DF = Dilution Factor Used

Approved By: \_\_\_\_\_

INGVZPIT.XLS

Date: \_\_\_\_\_

*5/21/97*



## Page -

of

White • Testing Laboratory      Canary • F/WG Lab      Pink • Field Samples

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## **SITE ACTIVITIES**

*21-Feb-97*

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**Meter/Line #:** 93462

**Location/Line #:** Gallegos Canyon Unit # 145E

**MW#:**

**Depth to GW:**

**Depth to Product:**

**Product Thickness:**

**Date:** 11/19/96

**Activity:** Geoprobe

**Comments:** Install 3 piezos and 3 probeholes. PZ1 in center of former pit.

# RECORD OF SUBSURFACE EXPLOSION

PHILIP ENVIRONMENTAL

90 Monroe Road

Albuquerque, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 1 of 1

Project Name

EPNG PITS

Project Number

14509

Phase

6000 77

Project Location

Gallegos Canyon Unit #145E 93462

Well Logged By

CM Chance

Personnel On-Site

K Padilla, D. Charlie

Contractors On-Site

Client Personnel On-Site

Elevation

Borehole Location

QD-S26-T29-R12

GWL Depth

9.7' BGS

Logged By

CM CHANCE

Drilled By

K Padilla

Date/Time Started

11/1/95 - 0849

Date/Time Completed

11/1/95 - 0940

Drilling Method

4 1/4" ID HSA

Air Monitoring Method

PID, CGI

| Depth (Feet) | Sample Number | Sample Interval | Sample Type & Recovery (inches) | Sample Description<br>Classification System: USCS      | USCS Symbol | Depth Lithology Change (feet) | Air Monitoring<br>Units: PPM |    |    | Drilling Conditions & Blow Counts        |
|--------------|---------------|-----------------|---------------------------------|--------------------------------------------------------|-------------|-------------------------------|------------------------------|----|----|------------------------------------------|
|              |               |                 |                                 |                                                        |             |                               | BZ                           | BH | HS |                                          |
| 0            |               |                 |                                 | Backfill to 12'                                        |             |                               |                              |    |    |                                          |
| 5            |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 10           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 15           | 15            |                 |                                 | CTNGS - Gray silty SAND & F-sand, to med, wet, TOB 14' |             |                               | 0                            | 3  | NA | -cobbles @ ~9'<br>-CTNGS v. moist @ ~12' |
| 20           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 25           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 30           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 35           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |
| 40           |               |                 |                                 |                                                        |             |                               |                              |    |    |                                          |

Comments:

No sample due to encountering GW @ ~9.7' BGS. Will not install well because GW < 20' BGS. Paused borehole to ~7' & grouted to surface

Geologist Signature

CM Chance





# EL PASO FIELD SERVICES



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

### PIT CLOSURE PROJECT

#### SAMPLE IDENTIFICATION

|                            |          |                            |
|----------------------------|----------|----------------------------|
|                            | Field ID | Lab ID                     |
| SAMPLE NUMBER:             | CMC258   | 948019                     |
| MTR CODE   SITE NAME:      | 93462    | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 11/19/96 | 1330                       |
| PROJECT:                   | Geoprobe |                            |
| DATE OF BTEX EXT.   ANAL.: | 11/28/96 | 11/28/96                   |
| TYPE   DESCRIPTION:        | PZ1      | Water                      |

Field Remarks:

#### RESULTS

| PARAMETER     | RESULT | UNITS | QUALIFIERS |   |  |  |
|---------------|--------|-------|------------|---|--|--|
|               |        |       | DF         | Q |  |  |
| BENZENE       | < 1    | PPB   |            |   |  |  |
| TOLUENE       | 8.50   | PPB   |            |   |  |  |
| ETHYL BENZENE | 2.85   | PPB   |            |   |  |  |
| TOTAL XYLENES | 70.0   | PPB   |            |   |  |  |
| TOTAL BTEX    | 81.4   | PPB   |            |   |  |  |

—BTEX is by EPA Method 8020—

The Surrogate Recovery was at 97.3 % for this sample All QA/QC was acceptable.  
DF = Dilution Factor Used

Narrative:

Approved By:

*John Larch*

Date:

12/3/96



# EL PASO FIELD SERVICES



## FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

### SAMPLE IDENTIFICATION

|                            |          |                            |
|----------------------------|----------|----------------------------|
|                            | Field ID | Lab ID                     |
| SAMPLE NUMBER:             | CMC259   | 948020                     |
| MTR CODE   SITE NAME:      | 93462    | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 11/19/96 | 1500                       |
| PROJECT:                   | Geoprobe |                            |
| DATE OF BTEX EXT.   ANAL.: | 11/28/96 | 11/28/96                   |
| TYPE   DESCRIPTION:        | PZ3      | Water                      |

Field Remarks: \_\_\_\_\_

### RESULTS

| PARAMETER     | RESULT | UNITS | QUALIFIERS |   |  |  |
|---------------|--------|-------|------------|---|--|--|
|               |        |       | DF         | Q |  |  |
| BENZENE       | < 1    | PPB   |            |   |  |  |
| TOLUENE       | < 1    | PPB   |            |   |  |  |
| ETHYL BENZENE | < 1    | PPB   |            |   |  |  |
| TOTAL XYLENES | < 3    | PPB   |            |   |  |  |
| TOTAL BTEX    | < 6    | PPB   |            |   |  |  |

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 96.7 % for this sample All QA/QC was acceptable.  
DF = Dilution Factor Used

Narrative: \_\_\_\_\_

Approved By: \_\_\_\_\_

*John Larch*

Date: 12/3/96



## CHAIN OF CUSTODY RECORD

[illegible]



# EL PASO FIELD SERVICES



## FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT

### SAMPLE IDENTIFICATION

|                            |          |                            |
|----------------------------|----------|----------------------------|
| SAMPLE NUMBER:             | Field ID | Lab ID                     |
|                            | CMC260   | 948021                     |
| MTR CODE   SITE NAME:      | 93462    | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 11/20/96 | 1425                       |
| PROJECT:                   | Geoprobe |                            |
| DATE OF BTEX EXT.   ANAL.: | 11/28/96 | 11/28/96                   |
| TYPE   DESCRIPTION:        | PH1      | Water                      |

Field Remarks:

### RESULTS

| PARAMETER     | RESULT | UNITS | QUALIFIERS |   |  |  |
|---------------|--------|-------|------------|---|--|--|
|               |        |       | DF         | Q |  |  |
| BENZENE       | < 1    | PPB   |            |   |  |  |
| TOLUENE       | 2.59   | PPB   |            |   |  |  |
| ETHYL BENZENE | < 1    | PPB   |            |   |  |  |
| TOTAL XYLENES | 1.21   | PPB   |            |   |  |  |
| TOTAL BTEX    | 3.80   | PPB   |            |   |  |  |

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 95.3 % for this sample All QA/QC was acceptable.  
DF = Dilution Factor Used

Narrative:

Approved By:

*John Zeller*

Date:

12/3/96

**FIELD SERVICES LABORATORY****ANALYTICAL REPORT****PIT CLOSURE PROJECT****SAMPLE IDENTIFICATION**

|                            |          |                            |
|----------------------------|----------|----------------------------|
|                            | Field ID | Lab ID                     |
| SAMPLE NUMBER:             | CMC261   | 948022                     |
| MTR CODE   SITE NAME:      | 93462    | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 11/20/96 | 1335                       |
| PROJECT:                   | Geoprobe |                            |
| DATE OF BTEX EXT.   ANAL.: | 11/28/96 | 11/28/96                   |
| TYPE   DESCRIPTION:        | PH2      | Water                      |

Field Remarks: \_\_\_\_\_

**RESULTS**

| PARAMETER     | RESULT | UNITS | QUALIFIERS |   |  |  |
|---------------|--------|-------|------------|---|--|--|
|               |        |       | DF         | Q |  |  |
| BENZENE       | < 1    | PPB   |            |   |  |  |
| TOLUENE       | < 1    | PPB   |            |   |  |  |
| ETHYL BENZENE | < 1    | PPB   |            |   |  |  |
| TOTAL XYLENES | < 3    | PPB   |            |   |  |  |
| TOTAL BTEX    | < 6    | PPB   |            |   |  |  |

—BTEX is by EPA Method 8020 —

The Surrogate Recovery was at 95.5 % for this sample All QA/QC was acceptable.  
DF = Dilution Factor Used

Narrative: \_\_\_\_\_

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

12/3/96



# EL PASO FIELD SERVICES



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT PIT CLOSURE PROJECT

#### SAMPLE IDENTIFICATION

|                            |          |                            |
|----------------------------|----------|----------------------------|
|                            | Field ID | Lab ID                     |
| SAMPLE NUMBER:             | CMC262   | 948023                     |
| MTR CODE   SITE NAME:      | 93462    | Gallegos Canyon Unit #145E |
| SAMPLE DATE   TIME (Hrs):  | 11/20/96 | 1450                       |
| PROJECT:                   | Geoprobe |                            |
| DATE OF BTEX EXT.   ANAL.: | 11/28/96 | 11/28/96                   |
| TYPE   DESCRIPTION:        | PH3      | Water                      |

Field Remarks:

#### RESULTS

| PARAMETER     | RESULT | UNITS | QUALIFIERS |   |  |  |
|---------------|--------|-------|------------|---|--|--|
|               |        |       | DF         | Q |  |  |
| BENZENE       | < 1    | PPB   |            |   |  |  |
| TOLUENE       | < 1    | PPB   |            |   |  |  |
| ETHYL BENZENE | < 1    | PPB   |            |   |  |  |
| TOTAL XYLENES | < 3    | PPB   |            |   |  |  |
| TOTAL BTEX    | < 6    | PPB   |            |   |  |  |

—BTEX is by EPA Method 8020—

The Surrogate Recovery was at 94.5 % for this sample All QA/QC was acceptable.  
DF = Dilution Factor Used

Narrative:

Approved By:

*John Saech*

Date:

12/3/96



**A** 2333

## CHAIN OF CUSTODY RECORD

[illegible]