



Environmental Services Group
Southern Region

Cutler No. 2 *A-14-24W-06w*
Meter Code 74289

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 147 parts per million. Soil analytical from composite were as follows; benzene - < .5 mg/kg, total BTEX - 7.9 mg/kg, TPH - 3,500 mg/kg.

One soil boring was completed and no monitoring well installed. Groundwater was encountered at 15 feet. No soil or groundwater samples were collected.

Pit was re-excavated to 18 feet beneath ground surface. Headspace soil readings were as follows: pit bottom composite- 576 ppm. Soil analytical from composite were as follows; benzene - < .5 mg/kg, total BTEX - 49.7 mg/kg, TPH - 1,710 mg/kg.

A RECON® survey was conducted and four groundwater samples were collected between the pit and Largo wash. The samples were collected and analyzed using a laboratory-grade gas chromatograph by Philip Environmental's RECON® System. The on-site analytical results are as follows; PH-01 benzene - 4 ug/L, toluene - 32 ug/L, ethylbenzene - 4 ug/L, xylenes - 21 ug/l, PH-02 benzene <1 ug/L, toluene - 9 ug/L, ethylbenzene - 3 ug/L, xylenes - 12 ug/l, PH-03 benzene <1 ug/L, toluene - 6 ug/L, ethylbenzene - 1 ug/L, xylenes - 6 ug/l, PH-04 benzene - <1 ug/L, toluene - 6 ug/L, ethylbenzene - 1 ug/L, xylenes - 8 ug/l.

Denny S. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 06 97
Approved



FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 74-289 Location: Cutler #2
 Operator #: 5764 Operator Name: Mam Prod. P/L District: Ballard
 Coordinates: Letter: A Section 14 Township: 24 Range: 6
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: X Line Drip: _____ Other: _____
 Site Assessment Date: 7/29/94 Area: 07 Run: 61-014 F1

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD
Maps)

Inside
Outside

Land Type:

BLM ☒ (1)
 State ☐ (2)
 Fee ☐ (3)
 Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☒ (1)
 50 Ft to 99 Ft (10 points) ☐ (2)
 Greater Than 100 Ft (0 points) ☐ (3)

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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☒ (1)
 200 Ft to 1000 Ft (10 points) ☐ (2)
 Greater Than 1000 Ft (0 points) ☐ (3)

Name of Surface Water Body Large Wash

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

Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 POINTS

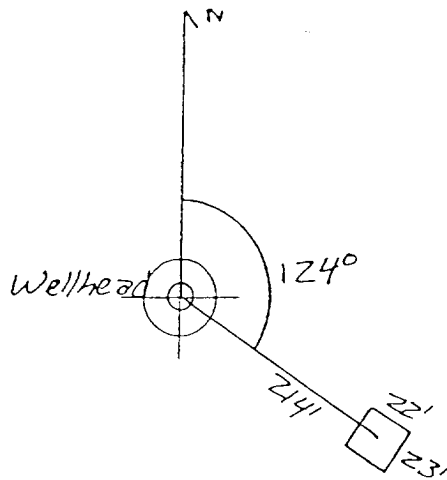
REMARKS

Remarks : Redline Book - Outside Vulnerable Zone - Inside
One pit, pit has liquid in it, will close one pit.

74289

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 124° Footage from Wellhead 214'
b) Length : 22' Width : 23' Depth : 3'



REMARKS :

Pictures @ 1253 (4-7, Roll 12)
Dump Truck

Completed By:

Sarah Koller

7/29/14

Phase I Excavation

FIELD . IT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 74289 Location: CUTLER #2
 Coordinates: Letter: A Section 14 Township: 24 Range: 6
 Or Latitude _____ Longitude _____
 Date Started : 8-30-94 Run: 07 61-014F1

FIELD OBSERVATIONS

Sample Number(s): KP 213
 Sample Depth: 12' Feet
 Final PID Reading 147 PID Reading Depth 12' Feet
 Yes No
 Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet

CLOSURE

Remediation Method :
 Excavation ☒ Approx. Cubic Yards 110
 Onsite Bioremediation ☐
 Backfill Pit Without Excavation ☐
 Soil Disposition:
 Envirotech ☒ Tierra ☐
 Other Facility ☐ Name: _____
 Pit Closure Date: 8-30-94 Pit Closed By: B.E.I

REMARKS

Remarks : Some LINE markers Pit HAS oil & water.
1 load to mix up to haul off. At 12' All 4 wall and floor
of Pit ARE still BLACK. with a light smell.

Signature of Specialist: Kelly Padilla



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP213	946035
MTR CODE SITE NAME:	74289	Cutler #2
SAMPLE DATE TIME (Hrs):	08/30/94	1455
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	09/01/94	09/01/94
DATE OF BTEX EXT. ANAL.:	09/11/94	09/11/94
TYPE DESCRIPTION:	VC	Brown fine sand & clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	1.5	MG/KG	1			
ETHYL BENZENE	0.8	MG/KG	1			
TOTAL XYLENES	5.6	MG/KG	1			
TOTAL BTEX	7.9	MG/KG				
TPH (418.1)	3500	MG/KG			2.02	28
HEADSPACE PID	147	PPM				
PERCENT SOLIDS	85.3	%				

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

The Surrogate Recovery was at 48 % for this sample All QA/QC was acceptable.

Narrative:

performed analyses. Surrogate recovery was outside ATI QC limits due to matrix interference.

DF = Dilution Factor Used

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER # 24324		PROJECT NAME Pit Closure Project		DATE: 8-30-94		CONTRACT LABORATORY P. O. NUMBER				
SAMPLERS: (Signature) Kelly Padilla		DATE: 8-30-94		FIELD ID		REMARKS				
LAB ID	DATE	TIME	MATRIX	SAMPLE TYPE	TOTAL NUMBERS OF CONTAINERS	TPH EPA 418.1	BTEX EPA 8020	LAB PID	REQUESTED ANALYSIS	SEQUENCE #
	8-30-94	0924	SOIL	VC	1	X	X			192
	8-30-94	1455	SOIL	VC	1	X	X			193
	8-30-94	1710	SOIL	VC	1	X	X			194
Real Light Small ALL FOUR WAYS Floor Air Still Black. Soil Clean At 10'										
RECEIVED BY: (Signature) Kelly Padilla DATE/TIME 8-30-94 1900 RECEIVED BY: (Signature) Brenda L. Liss DATE/TIME 8/31/94 0940 RECEIVED BY: (Signature) Kim V. DATE/TIME										
REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH CARRIER CO. RESULTS & INVOICES TO: FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P.O. BOX 4990 FARMINGTON, NEW MEXIC 7499 505-599-2144 FAX: 505-599-2261										

Phase II Soil Boring

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2366

Borehole # BH-1

Well #

Page 1 of 1

Project Name EPNG PITS

Project Number 14509 Phase 6000 77

Project Location Carter #2 74289

Well Logged By CM Chance

Personnel On-Site K Padilla, D. Charlie H. Keil

Contractors On-Site

Client Personnel On-Site

Drilling Method 4 1/4" ID HSA

Air Monitoring Method PID, CGI

Elevation

Borehole Location QA-S14-T24-R6

GWL Depth

Logged By CM CHANCE

Drilled By K Padilla

Date/Time Started 8/14/95 - 1115

Date/Time Completed 8/14/95 - 1200

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (Inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM S BZ BH HS			Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	12"	DK grey-bk SAND, v.f. sand, abt silty, v. loose, saturated, odor		0	4	41 302	1128	saturated sample GW @ 15'
20				TOB 17'						
25										
30										
35										
40										

Comments:

Ground water at 15'. No sample due to encountering GW. Backfilled BH
w/ 4' of bentonite & grouted to surface. Hydrated bentonite w/ 5 gal
potable water.

Geologist Signature

Cory Chance

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

GENERAL

Meter: 74289 Location: Cutler #2

Coordinates: Letter: A Section 14 Township: 24 Range: 06

Or Latitude _____ Longitude _____

Date Started : 10-30-95 Area: 07 Run: 61-014F1

FIELD OBSERVATIONS

Sample Number(s): 4P76

Sample Depth: 18 Feet

Final PID Reading 576 PID Reading Depth 18 Feet
Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

Final Dimensions: Length 30 Width 24 Depth 18

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 424 LT 11/2/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Overburden Cubic Yards _____

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 10-31-95

Pit Closed By: Philip Env

Phase III

Remarks : Dug pit to 18ft and exposed 2-4" line on East + West side of pit, encountered ground water, but it was only a trickle, not enough to get a sample. Talked with Alton James there may be some confusion with

Signature of Specialist: James L. Perre



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP76	947712
MTR CODE SITE NAME:	74289	Cutler #2
SAMPLE DATE TIME (Hrs):	10/31/95	1000
PROJECT:	Phase III Excavation	
DATE OF TPH EXT. ANAL.:	11/01/95	11/02/95
DATE OF BTEX EXT. ANAL.:	11/01/95	11/02/95
TYPE DESCRIPTION:	VC	Light brown sand & clay

Field Remarks: (N-56) (S-54) (E-134) (W-39)

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG				
TOLUENE	3.3	MG/KG				
ETHYL BENZENE	4.8	MG/KG				
TOTAL XYLENES	41.6	MG/KG				
TOTAL BTEX	49.7	MG/KG				
TPH (418.1)	1710	MG/KG			2.06	28
HEADSPACE PID	576	PPM				
PERCENT SOLIDS	82.1	%				

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

The Surrogate Recovery was at 112 % for this sample All QA/QC was acceptable.
Narrative:

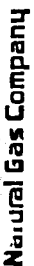
DF = Dilution Factor Used

Approved By:

[Signature]

Date:

7/18/96



CHAIN OF CUSTODY RECORD

FM-08-0565 A (Rev. 05-94)



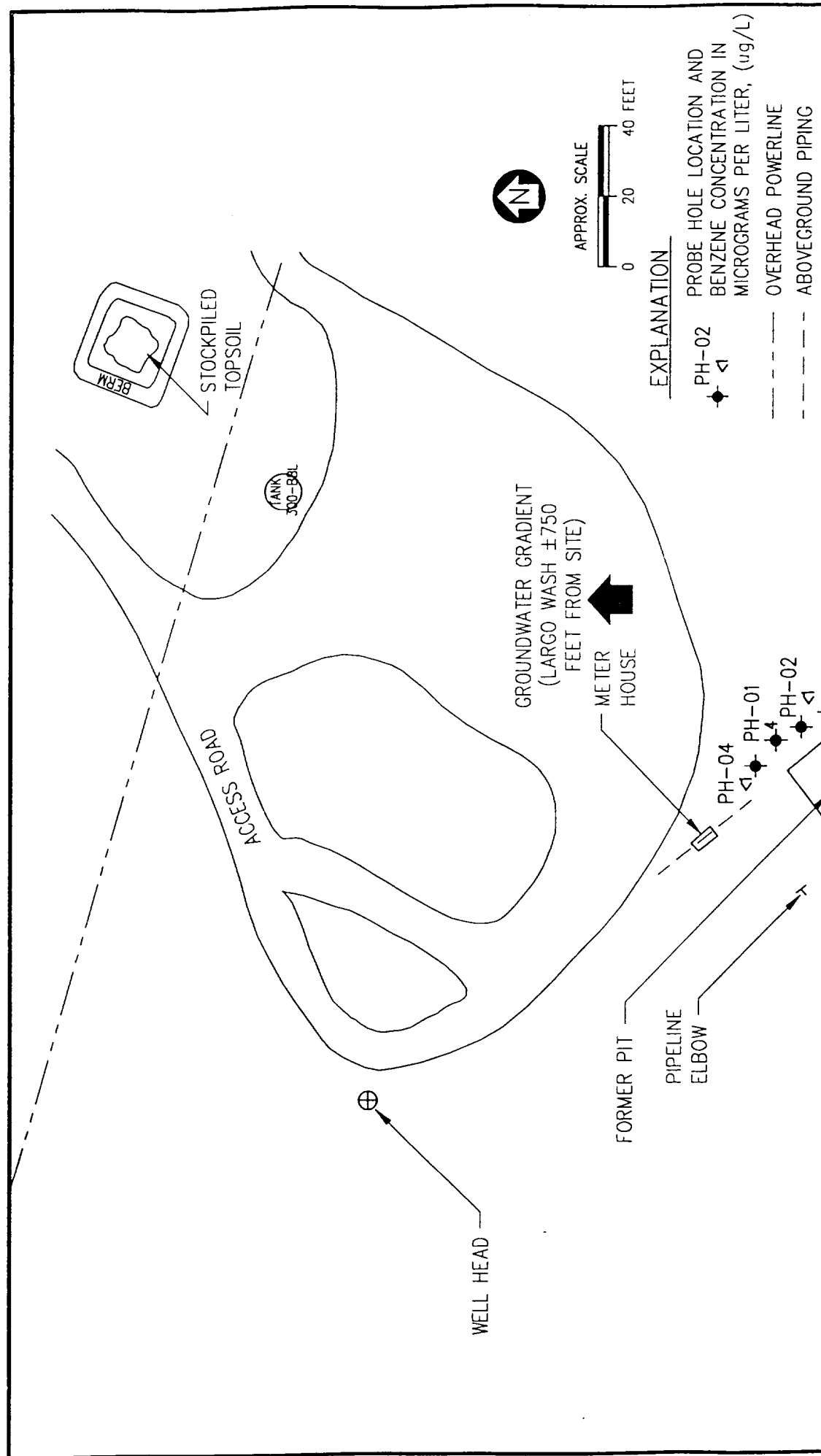
TITLE:
CUTLER NO. 2
METER 74289

SCALE	AS NOTED
DWN:	M.R.W.
DES:	
CHKD:	K.B.G.
APPD:	

DATE	PROJECT NO:
11/29/95	13947
	EPNG-RECON PITS

REV:	FIGURE
0	20

T24 R6 SEC 14 UNIT A



EXPLANATION

- PH-02 PROBE HOLE LOCATION AND BENZENE CONCENTRATION IN MICROGRAMS PER LITER, (ug/L)
- PH-01
- PH-04
- PH-03
- OVERHEAD POWERLINE
- ABOVEGROUND PIPING

RECON SAMPLE ANALYSIS DATA SUMMARY TABLE Project: 13947

Sample I.D.	Probe Hole Number	Depth (feet)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	m+p-Xylene (ug/L)	o-Xylene (ug/L)	Comments
HOWELL#3LD-01	PH-01	21-27	<1	9	3	11	6	Groundwater
HOWELL#3LD-02	PH-02	21-27	<1	12	4	15	6	Groundwater
HOWELL#3LD-03	PH-03	21-27	2	19	3	16	5	Groundwater
HOWELL#3LD-03-D	PH-03	21-27	2	24	5	22	6	QC - Duplicate
Blank-54	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
QCRT-21	N/A	N/A	211	262	390	410	466	QC - Retention Times
LATERAL2C-1-05	PH-02	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-06	PH-02	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-07	PH-02	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-08	PH-02	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-09	PH-03	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-10	PH-03	6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-11	PH-03	9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-12	PH-03	12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	Soil-gas
LATERAL2C-1-12-D	PH-03	12	ND(1)	ND(1)	ND(1)	<1	ND(1)	Soil-gas
Blank-55	N/A	N/A	ND(1)	ND(1)	ND(1)	<1	ND(1)	QC - Duplicate
QCRT-22	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-56	N/A	N/A	243	263	306	312	334	QC - Retention Times
STD-1117	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
Blank-57	N/A	N/A	232	232	232	232	232	Calibration Standard
Blank-58	N/A	N/A	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	QC - System Blank
CUTLER2-01	PH-01	24-27	4	32	4	15	6	QC - Probe Rod Blank
CUTLER2-02	PH-02	24-27	<1	9	3	8	4	Groundwater
CUTLER2-03	PH-03	24-27	<1	6	1	4	2	Groundwater
CUTLER2-04	PH-04	24-27	<1	6	1	6	2	Groundwater
L2C-22No3LD-01	PH-01	21-24	<1	5	1	8	3	Groundwater
L2C-22No3LD-02	PH-02	21-24	<1	4	<1	7	3	Groundwater
L2C-22No3LD-03	PH-03	18-21	<1	-5-4	<1	5	2	Groundwater

D = duplicate analysis.

QC = quality control.

ug/L = micrograms of compound detected per liter of soil or groundwater vapor analyzed.

ND = not detected at the lower quantifiable limit indicated in parenthesis.

NA = not applicable.

QA Review: *Paul G. Anderson*

Review Date: 1-31-96

2/13/96