



Environmental Services Group
Southern Region

Charley Pah #4
Meter Code 71531

K-12-27N-9W

Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from excavation bottom was 230 parts per million. Soil analytical were as follows: benzene - 4.80 mg/kg, total BTEX - 203 mg/kg, TPH - 1,140 mg/kg.

The pit was re-excavated, with a final headspace reading of 12 ppm. Soil analytical were as follows: benzene - <0.5 mg/kg, total BTEX - <3 mg/kg, TPH - <10 mg/kg. Groundwater was encountered during excavation and a groundwater sample was collected from the excavation. Laboratory results for the groundwater sample were as follows: benzene - 9.6 ppb, toluene - 131 ppb, ethylbenzene - 56.4 ppb, total xylenes - 537 ppb.

George E. Frost
DEPT. OF ENVIRONMENT & GAS INSPECTOR

FEB 06

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71531 Location: Charley PAH 4
 Operator #: 0263 Operator Name: Texaco P/L District: Ballard
 Coordinates: Letter: K ^{KGW 6-14-94} Section 12 Township: 27 Range: 9
 Or Latitude _____ Longitude _____
 Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____
 Site Assessment Date: 6-14-94 Area: 11 Run: 71

SITE ASSESSMENT

NMOCD Zone:

(From NMOCD
Maps)

Inside
Outside

Land Type:

BLM ☐ (1)
 State ☐ (2)
 Fee ☐ (3)
 Indian Eastern Navajo

Agency

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 Blanco Canyon

(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'

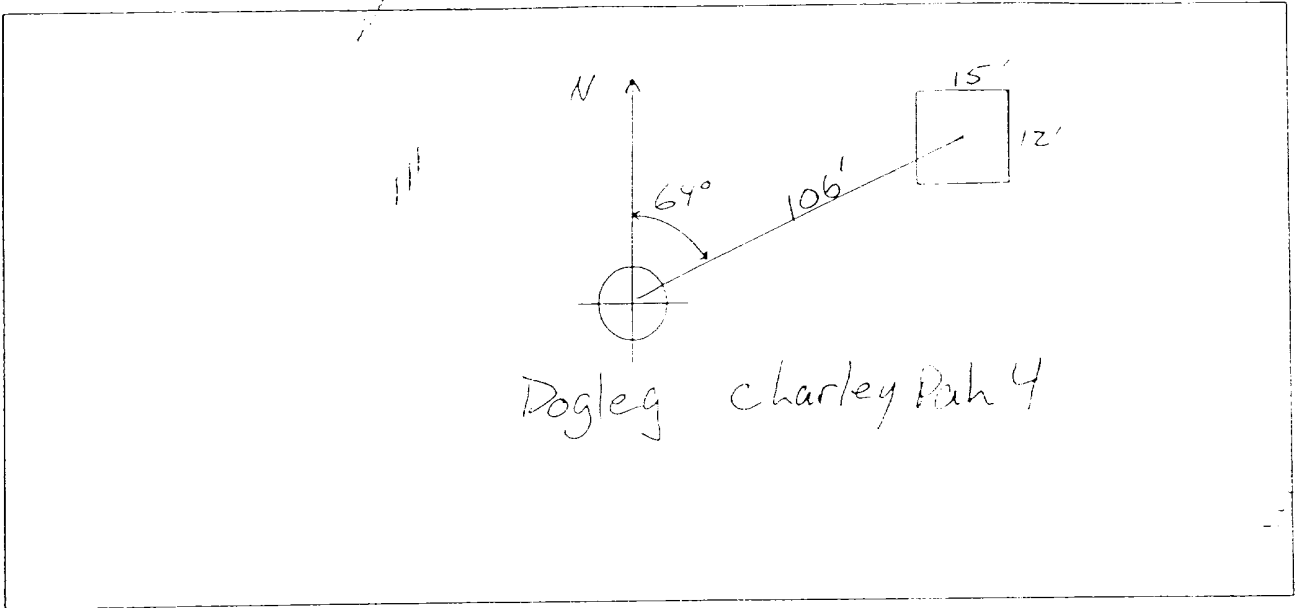
TOTAL HAZARD RANKING SCORE: 60 POINTS

REMARKS

Remarks : one pit - dry

Inside U.Z. on Redline & Topo

71521

ORIGINAL PIT LOCATION	ORIGINAL PIT LOCATION Original Pit : a) Degrees from North <u>64</u> Footage from Wellhead ^{Dogleg} <u>106</u> b) Length : <u>15</u> Width : <u>12</u> Depth : <u>3</u> 
REMARKS	Remarks : <u>Photos - 1531</u> <u>Measured from Dogleg Charley Pak 4</u>
	Completed By: <u>[Signature]</u> <u>6-14-94</u>

Phase I Excavation

GENERAL

Date Started : 8/17/94 Run: 11 71

FIELD OBSERVATIONS

Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet

CLOSURE

Pit Closure Date: 8/17/94 Pit Closed By: BEI

REMARKS

Remarks : Excavated pit to 12', Took pit sample, Closed pit.

Signature of Specialist: [Signature]



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD219	945950
MTR CODE SITE NAME:	71531	Charley Pah #4
SAMPLE DATE TIME (Hrs):	08/17/94	1605
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	08/18/94	08/18/94
DATE OF BTEX EXT. ANAL.:	08/30/94	09/13/94
TYPE DESCRIPTION:	VC	Dark gray clay

Field Remarks: split

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	4.80	MG/KG				
TOLUENE	32.9	MG/KG				
ETHYL BENZENE	16.2	MG/KG				
TOTAL XYLENES	149	MG/KG				
TOTAL BTEX	203	MG/KG	0.0317		0.63	20
TPH (418.1)	1140	MG/KG			2.02	28
HEADSPACE PID	230	PPM				
PERCENT SOLIDS	76.3	%				

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

The surrogate Recovery was at 108 % for this sample All QA/QC was acceptable.

Narrative:

A performed analysis.

DF = Dilution Factor Used



as Company

CHAIN OF CUSTODY RECORD

Page 11 of 11

PROJECT NUMBER		PROJECT NAME		PROJECT ANALYSIS		REQUESTED ANALYSIS		REMARKS	
SAMPLERS: (Signature)		DATE: 8/17/04		EPA 418.1		EPA 8020			
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	SAMPLE TYPE	TPH	BTEX		
	8/17/04	1230	Soil	KD 218	VC	X	X	194	
	8/17/04	1605	Soil	KD 219	VC	X	X	199	
	8/17/04	1605	Soil	KD 220	D	X	X	—	
	8/17/04	1610	Soil	KD 221	B	X	X	—	
(Signature)									
RELINQUISHED BY: (Signature)		DATE TIME 35		RECEIVED BY: (Signature)		DATE TIME 1825		RECEIVED BY: (Signature)	
RELINQUISHED BY: (Signature)		DATE TIME 1825		RECEIVED BY: (Signature)		DATE TIME 1825		RECEIVED BY: (Signature)	
REQUESTED TURNAROUND TIME:		ROUTINE ☐ RUSH ☐		SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:			
CARRIER CO.						FIELD SERVICES LABORATORY		EL PASO NATURAL GAS COMPANY	
BILL NO.:						P.O. BOX 4990		FARMINGTON, NEW MEXICO 87499	
						505-599-2144		FAX: 505-599-2261	

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

GENERAL

Meter: 71531 Location: Charley PAH 4

Coordinates: Letter: K Section 12 Township: 27 Range: 9

Or Latitude _____ Longitude _____

Date Started : 11/14/95 Area: 11 Run: 71

FIELD OBSERVATIONS

Sample Number(s): JK134 JK135

Sample Depth: 12' Feet

Final PID Reading 12.8 PID Reading Depth 12' Feet
Yes No

Groundwater Encountered ☒ (1) ☐ (2) Approximate Depth 11' Feet

Final Dimensions: Length 33 Width 27 Depth 12'

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 546 11/27/95

Onsite Bioremediation ☐ (2) Approval for closure
per Allen James

Backfill Pit Without Excavation ☐ (3) 11-17-95
Overburden Cubic Yards 30 yds

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 11-20-95

Pit Closed By: Philip

REMARKS

Remarks : Pit PID Readings (N-29.0) (S-15.5) (E-7.5) (W-5.6)
less than 100' from ephemeral stream

No Fence. No EPNs on site

Hit Groundwater at 12' FEP 11/14/95 got water sample

Signature of Specialist: James K. Kerley



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JK134	947777
MTR CODE SITE NAME:	71531	Charley Pah #4
SAMPLE DATE TIME (Hrs):	11/14/95	1114
PROJECT:	Phase II Excavation	
DATE OF TPH EXT. ANAL.:	11/15/95	11/15/95
DATE OF BTEX EXT. ANAL.:	11/15/95	11/15/95
TYPE DESCRIPTION:	VG	Brown sand & clay

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	<0.5	MG/KG				
TOTAL XYLENES	<1.5	MG/KG				
TOTAL BTEX	<3	MG/KG				
TPH (418.1)	<10	MG/KG			2.0	28
HEADSPACE PID	12.8	PPM				
PERCENT SOLIDS	79.4	%				

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

The Surrogate Recovery was at 96 % for this sample All QA/QC was acceptable.
No. Ave:

DF = Dilution Factor Used



FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	947778
FIELD ID:	JK135
MTR CODE:	71531
SAMPLE DATE:	11/14/95
SAMPLE TYPE:	W
SITE NAME:	Charley Pah #4
PROJECT:	Phase I Navajo
DATE OF BTEX ANALYSIS:	11/15/95

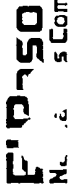
FIELD COMMENTS: _____

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	Not Required		None
BENZENE (PPB)	9.6	D (x2)	10
TOLUENE (PPB)	131	D (x2)	740
ETHYL BENZENE (PPB)	56.4	D (x2)	750
TOTAL XYLENES (PPB)	537	D (x2)	620
SURROGATE % RECOVERY	100	Allowed Range 80 to 120 %	

JK 3:

201



CHAIN OF C... Y RECORD

10

White • Tasting Laboratory Canary • EPNG Lab Plink • Field Sampler