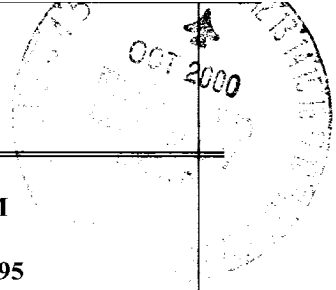
Gale 1R
Meter/Line ID – 94763



SITE DETAILS

Legals - Twn: 29N **Rng: 11W** **Sec: 13** **Unit: M**
NMOCD Hazard Ranking: 60 **Land Type: Fee**
Operator: Manana **Pit Closure Date: 01/23/95**

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A Phase I excavation was conducted on January 23, 1995, to nine feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Bedrock was encountered at nine feet below ground surface. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 219 ppm; laboratory analysis indicated a benzene concentration of <1.01 mg/kg, a total BTEX concentration of <6.06 mg/kg, and a TPH concentration of 101 mg/kg. TPH was above required remediation levels for the Hazard Ranking Score.

On June 28, 1995, a Phase II borehole was conducted to 12 feet below ground surface where bedrock was encountered. Groundwater was not encountered in the borehole. The borehole was grouted to the surface in a manner to direct surface runoff away from the pit area.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for over five years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the borehole.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Bedrock was encountered at 12 feet below ground surface; consequently, impact to groundwater is unlikely.
- Excavated material has been removed from the pit eliminating potential direct contact with livestock and the public.

ATTACHMENT

Field Pit Assessment Form
Field Pit Remediation/Closure Form Phase I
Phase II Geologic Log
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 94763 Location: Gale 1R
Operator #: 5837 Operator Name: Mañana P/L District: BloomField
Coordinates: Letter: M Section 13 Township: 29 Range: 11
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ✓ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 1/11/95 Area: 10 Run: 93

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps) Inside ☒ (1) Outside ☐ (2)

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 San Juan R.
(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

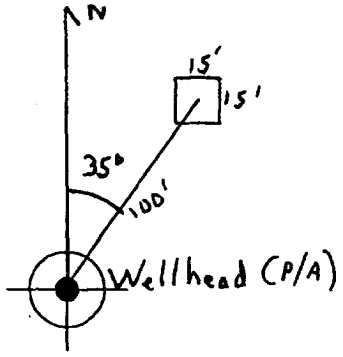
Remarks : Redline Book - Inside Vulnerable Zone Topo - Inside
2 pits. Close 1. 2nd pit has separator on it. @ Pit to close has location drip valve on it
Redline book shows meter # 71179

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 35° Footage from Wellhead 100'

b) Length : 15' Width : 15' Depth : 3'



REMARKS

Remarks :

Pictures @ 0935 4-7 roll 3

Well is P/A

Completed By:

Cory Chance

Signature

1/11/95

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 94763 Location: GALE 1R

Coordinates: Letter: M Section 13 Township: 29 Range: 11

Or Latitude _____ Longitude _____

Date Started : 1-23-95 Run: 10 93

FIELD OBSERVATIONS

Sample Number(s): KP. 387 _____ _____ _____

Sample Depth: 9' Feet

Final PID Reading 219 PID Reading Depth 9' Feet

	Yes	No	
Groundwater Encountered	☐	☐	Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation ☒ Approx. Cubic Yards _____

Onsite Bioremediation ☐

Backfill Pit Without Excavation ☐

Soil Disposition:

Envirotech ☐ ☒ Tierra

Other Facility ☐ Name: _____

Pit Closure Date: 1-23-95 Pit Closed By: B.E.I

REMARKS

Remarks : Some Line markers. Started Remediating to 12' Hit Sand Stone At 9' Soil Brown Looking on Bottom of Pit. All 4 sides of Pit Are still dark gray Looking with A Hydrocarbon odor

Signature of Specialist: Kelly Padilla

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP387	946587
MTR CODE | SITE NAME:	94763	N/A
SAMPLE DATE | TIME (Hrs):	1-23-95	1800
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	1-28-95	1-28-95
DATE OF BTEX EXT. | ANAL.:	1/26/95	1/28/95 1/31/95
TYPE | DESCRIPTION:	VC	Brown/Gray sand and clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS DF	Q	M(g)	V(ml)
BENZENE	<1.01	MG/KG	0.20202		4.95	20
TOLUENE	<1.01	MG/KG				
ETHYL BENZENE	<1.01	MG/KG				
TOTAL XYLENES	<3.03	MG/KG				
TOTAL BTEX	~~<3.03~~ <6.06 KDH 2/16/95	MG/KG				
TPH (418.1)	101	MG/KG			1.94	28
HEADSPACE PID	219	PPM				
PERCENT SOLIDS	86.3	%				

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

The Surrogate Recovery was at 63.9 % for this sample All QA/QC was acceptable.

Narrative:
BFB low due to air in line - Dup came up with same values for BTEX but good surrogate Recoveries

DF = Dilution Factor Used

ND

Approved By:

Date: 2-22-95

BTEX SOIL SAMPLE WORKSHEET

File	946587B	**Date Printed**	2/1/95
Soil Mass (g)	4.95	**Multiplier (L/g)**	0.00101
Extraction vol. (mL)	20	**DF (Analytical)**	200
Shot Volume (uL)	100	**DF (Report)**	0.20202

				Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	1.010
Toluene (ug/L)	3.40	**Toluene (mg/Kg):**	**0.687**	1.010
Ethylbenzene (ug/L)	0.49	**Ethylbenzene (mg/Kg):**	**0.099**	1.010
p & m-xylene (ug/L)	5.13	p & m-xylene (mg/Kg):	1.036	2.020
o-xylene (ug/L)	1.64	o-xylene (mg/Kg):	0.331	1.010
		Total xylenes (mg/Kg):	**1.368**	3.030
		Total BTEX (mg/Kg):	**2.154**	

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Kelly Padilla DATE: 1-23-95

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
946585	1-23-95	0900	Soil	KP 385	1	VG	X					348	Soil Real SANDy Looking
946586	1-23-95	0945	Soil	KP 386	1	VG	X	X				349	Hit SAND STONE At 2'
946587	1-23-95	1800	Soil	KP 387	1	VG	X	X				350	

CONTRACT LABORATORY P. O. NUMBER

REQUESTED ANALYSIS

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelly Padilla 1-23-95	1900	Brenda Riess	Brenda Riess	1/24/95 1040	1/24/95
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

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

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG Pits
Project Number 14509 Phase ~~601~~ 6001
Project Location Gale IR, 94763

Elevation
Borehole Location T29, R11, S.13, M
GWL Depth
Logged By S.Kelly
Drilled By K. Padilla
Date/Time Started 6/28/95, 1050
Date/Time Completed 6/28/95, 1155

Well Logged By S.Kelly
Personnel On-Site K.Padilla, F.Rivera, D.Charley
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/2" ID HSA
Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: NDU BZ	BH	S	Drilling Conditions & Blow Counts
0				Backfill to 9'						
5										
10				No recovery, small amount of dirt in split spoon may have been slough. → ~~S~~ PID read 3.			1	1		Hard drilling at 9', Feels like rock.
15										
20				BOH - 12'						
25										
30										
35										
40										

Comments: Auger refusal at 12'. Could not beat spoon at 12'. No sample taken due to no recovery in split spoon. BH grouted to surface.

Geologist Signature Susan Kelly