

# EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

120K  
12/10/00

Heizer Pool #1  
Meter/Line ID - 71252

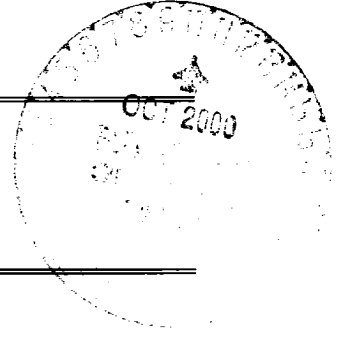
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## SITE DETAILS

Legals - Twn: 32N  
NMOCD Hazard Ranking: 60  
Operator: EPNG

Rng: 10W

Sec: 15      Unit: B  
Land Type: Fee  
Pit Closure Date: 02/21/95



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## 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 February 21, 1995, to 8 feet below ground surface where bedrock was encountered and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the pit. 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 14 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 264 mg/kg. TPH was above required remediation levels for the Hazard Ranking Score.

On August 8, 1995, a Phase II borehole was conducted to 14 feet below ground surface where refusal 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 pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the excavation or the borehole.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Bedrock was encountered at 8 feet below ground surface; consequently, impact to groundwater is unlikely.

## 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	<p>Meter: <u>71252</u> Location: <u>HEIZER POOL #1</u></p> <p>Operator #: _____ Operator Name: _____ P/L District: <u>AZTEC</u></p> <p>Coordinates: Letter: <u>B</u> Section <u>15</u> Township: <u>32</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>2-10-95</u> Area: _____ Run: _____</p>
SITE ASSESSMENT	<p><b>NMOCD Zone:</b> (From NMOCD Maps)</p> <p>Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p><b>Land Type:</b> BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input checked="" type="checkbox"/> (3) Indian _____</p> <p><b>Depth to Groundwater</b></p> <p>Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p><b>Wellhead Protection Area :</b></p> <p>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? <input checked="" type="checkbox"/> (1) YES (20 points) <input type="checkbox"/> (2) NO (0 points)</p> <p><b>Horizontal Distance to Surface Water Body</b></p> <p>Less Than 200 Ft (20 points) <input checked="" type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>ANIMAS RIVER</u></p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) &lt; 100' (Navajo Pits Only) <input type="checkbox"/> (2) &gt; 100'</p> <p><b>TOTAL HAZARD RANKING SCORE:</b> <u>60</u> POINTS</p>
EMAR...	<p>Remarks : <u>REDLINE &amp; TOPO SHOW LOCATION INSIDE V.Z. ONLY PIT ON LOCATION. BELONGS TO EPNG. WILL CLOSE PIT.</u></p>

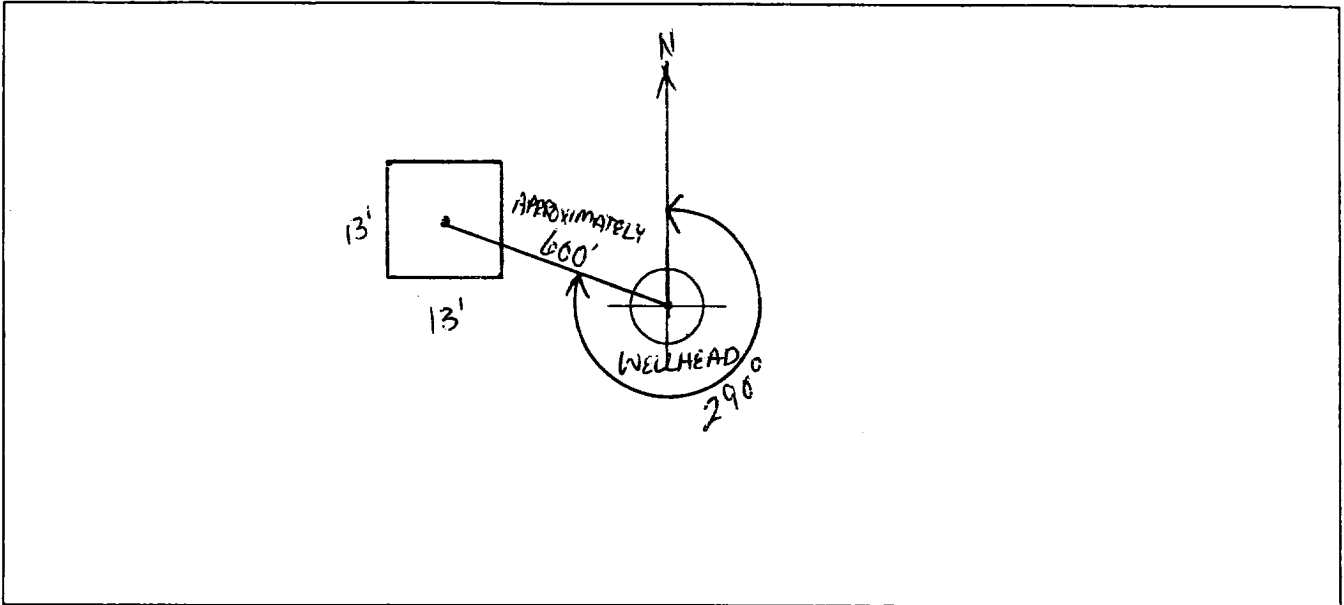
ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

(APPROXIMATE)

Original Pit : a) Degrees from North 290° Footage from Wellhead 600'

b) Length : 13' Width : 13' Depth : 2'



REMARKS

Remarks :

PHOTOS - 1130

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

Completed By:

Robert Thompson

Signature

2.10.95

Date

# FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 7125a Location: Heizer Pool #1  
 Coordinates: Letter: B Section 15 Township: 32 Range: 10  
 Or Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
 Date Started : 2-21-95 Run: \_\_\_\_\_

FIELD OBSERVATIONS

Sample Number(s): MK 392  
 Sample Depth: 3 Feet  
 Final PID Reading 14 ppm PID Reading Depth 3 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: 2-21-95 Pit Closed By: BEI

REMARKS

Remarks : Arrived Took Fence down dug sample hole pit  
appeared clean all the way through HIT ROCK 2'

Signature of Specialist: Morgan Killian



## FIELD SERVICES LABORATORY

### ANALYTICAL REPORT

#### PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

#### SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	mk 392	944690
MTR CODE   SITE NAME:	7252	N/A
SAMPLE DATE   TIME (Hrs):	2-21-95	1415
SAMPLED BY:	N/A	
DATE OF TPH EXT.   ANAL.:	2-28-95	2-28-95
DATE OF BTEX EXT.   ANAL.:	2/26/95	3/3/95
TYPE   DESCRIPTION:	VG	Dark Brown - red clay w/ roots

REMARKS:

#### RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<1.01	MG/KG	0.20161		4.96	20
TOLUENE	<1.01	MG/KG	I		I	I
ETHYL BENZENE	<1.01	MG/KG	I		I	I
TOTAL XYLENES	<3.03	MG/KG	I		I	I
TOTAL BTEX	<6.06	MG/KG				
TPH (418.1)	264	MG/KG			2.08	28
HEADSPACE PID	14	PPM				
PERCENT SOLIDS	85.9	%				

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

TPH Surrogate Recovery was at 82.7 % for this sample All QA/QC was acceptable.  
Narrative:

DF = Dilution Factor Used

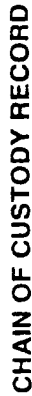
Date:

3-20-95

## BTEX SOIL SAMPLE WORKSHEET

<b>File</b>	<b>:</b>	<b>946690B</b>	<b>Date Printed</b>	<b>:</b>	<b>3/7/95</b>
<b>Soil Mass (g)</b>	<b>:</b>	<b>4.96</b>	<b>Multiplier (L/g)</b>	<b>:</b>	<b>0.00101</b>
<b>Extraction vol. (mL)</b>	<b>:</b>	<b>20</b>	<b>DF (Analytical)</b>	<b>:</b>	<b>200</b>
<b>Shot Volume (uL)</b>	<b>:</b>	<b>100</b>	<b>DF (Report)</b>	<b>:</b>	<b>0.20161</b>

				<b>Det. Limit</b>		
<b>Benzene (ug/L)</b>	<b>:</b>	<b>0.00</b>	<b>Benzene (mg/Kg):</b>	<b>0.000</b>	<b>1.008</b>	
<b>Toluene (ug/L)</b>	<b>:</b>	<b>0.00</b>	<b>Toluene (mg/Kg):</b>	<b>0.000</b>	<b>1.008</b>	
<b>Ethylbenzene (ug/L)</b>	<b>:</b>	<b>0.00</b>	<b>Ethylbenzene (mg/Kg):</b>	<b>0.000</b>	<b>1.008</b>	
<b>p &amp; m-xylene (ug/L)</b>	<b>:</b>	<b>1.16</b>	<b>p &amp; m-xylene (mg/Kg):</b>	<b>0.234</b>	<b>2.016</b>	
<b>o-xylene (ug/L)</b>	<b>:</b>	<b>0.00</b>	<b>o-xylene (mg/Kg):</b>	<b>0.000</b>	<b>1.008</b>	
				<b>Total xylenes (mg/Kg):</b>	<b>0.234</b>	<b>3.024</b>
				<b>Total BTEX (mg/Kg):</b>	<b>0.234</b>	



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

# RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, 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

Project Location

Heizer #1, 71252

Elevation

Borehole Location 132, R10, S. 15, B

GWL Depth

Logged By S.Kelly

Drilled By

M. Donohue

Date/Time Started

8/8/95, 1400

Date/Time Completed

8/8/95 1515

Well Logged By

S.Kelly

Personnel On-Site

M. Donohue, J. O'Keefe

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4" 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			Drilling Conditions & Blow Counts
							BZ	BH	S	
0				Backfill to 8'						
5										
10										
15	12-14	12-14	1/2" 2.0	Sandy GRAVEL, light brown, 10-30% fine sand fine to coarse, angular gravel, dry, dense						Hitting cobbles, slow drilling, 1442 - not enough sample for headspace or lab.
20				TOB - 14.0'						
25										
30										
35										
40										

Comments:

No sample taken due to poor sample recovery. BH grouted to surface.

Refusal 3/20/96

Geologist Signature

Mark Kelly