DEC 2 1 1998

SAN JUAN 29-6 UNIT #73 Meter/Line ID - 73508 DECEIVED

SITE DETAILS

Legals - Twn: 29 Rng: 06 NMOCD Hazard Ranking: 10 Sec: 20

Unit: L

O[[L GOM: DIN

Land Type: 4 - Fee

(& olifally)

Operator: PHILLIPS PETROLEUM COMPAN

Pit Closure Date: 06/23/94

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

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

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

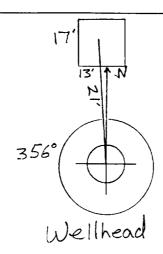
FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 73508 Location: San Juan #73 Operator #: 7035 Operator Name: Philips P/L District: Bloomfield Coordinates: Letter: L Section zo Township: Z9 Range: 6 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6-6-94 Area: 10 Run: 61
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside
S	Remarks: one pot on location. Day,
REMARKS	site just north of Hwy 64 at Goberator Canyon
EM.	Die e ilneu
路	Inside V.Z. on Red I've and on line on Topo Map

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 356 Footage from Wellhead Z/

b) Length : _____ Width : _____ Depth : _____



	Remarks: Photos at	1402	hrs.	
REMARKS				
REI				

Completed By

Signature

6-6-94

Date

PHASE I EXCAVATION

FIEID PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 73508 Location: SANJUAN 29-6 UNIT 73 Coordinates: Letter: L Section 20 Township: 29 Range: 6 Or Latitude Longitude Date Started: 6-23-94 Area: 429 Run: 61
FIELD OBSERVATIONS	Sample Number(s): KP 107
CLOSURE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Pit Closure Date: 6-23-94 Pit Closed By: 13-6-1
REMARKS	Remarks: Some Line markers Started Remediating To 12' Soil Turned Dark gray with A Bad smell. AT 12 Soil Still The Same. But smell got Real Bad. Pid 2125 over Range on my INStrument. All Four wall's And Bottom of Pit Still dark gray. From about 8' down. Signature of Specialist: Kelly Palills (SP3191) 04/07/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

_	Field ID	Lab ID
SAMPLE NUMBER:	KP107	945505
MTR CODE SITE NAME:	73508	N/A
SAMPLE DATE TIME (Hrs):	6-23-94	0948
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	0/27/94	(2)27/94
DATE OF BTEX EXT. ANAL.:	6/29/94	6130194
TYPE DESCRIPTION:	νL	Brown Sand Clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.81	MG/KG	20			
TOLUENE	105	MG/KG	20			
ETHYL BENZENE	19	MG/KG	20			
TOTAL XYLENES	310	MG/KG	20			
TOTAL BTEX	435	MG/KG				
TPH (418.1)	2860	MG/KG			1.93	28
HEADSPACE PID	2125	PPM				
PERCENT SOLIDS	88.1	%				

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

		11111309 = 7	THE GOOD TO. 1 BING DIEN IS DY LINE	striot 0020 —	
The Surrogate	Recovery wa	s at 107	% for this sample	All QA/QC was acceptable.	
Narrative:	ITA	results	attached,		
DF = Dilution	Factor Head	****			
Dr - Dilution	racio Oseu				
	1			2/-///	



ATI I.D. 406418

July 6, 1994

El Paso Natural Gas Co. P.O. Box 4990 Farmingtor, NM 87499



Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 06/28/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.

Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 406418

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPI	LΕ		DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
01	945504	NON-AQ	06/23/94	06/29/94	06/30/94	5
02	945505	NON-AQ	06/23/94	06/29/94	06/30/94	20
03	945511	NON-AQ	06/24/94	06/29/94	06/30/94	20
PARAM	METER		UNITS	01	02	03
BENZE	ENE		MG/KG	<0.12	0.81	1.1
TOLUE	ENE		MG/KG	<0.12	105	47
ETHYI	LBENZENE		MG/KG	0.38	19	8.0
TOTAI	L XYLLNES		MG/KG	12	310	190
CUDDO)C N TT •					
SURRO	OGATE:					
BROMO	OFLUOROBENZENE (%)		∂ 4	107	76

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp. 4000 Monroe Road

Farmington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388

Elevation

Borehole Location TZ9, R6, 5, Z0, Z

GWL Depth

Logged By S.Kelly

Drilled By M. Donosul

Date/Time Started \$117/95, 1445

Date/Time Completed \$17/95,

Borehole # BH-/
Well #
Page of >

Project Name EPNG Pi

Project Location

EPNG Pits

14509 Phase 60+ 6000

5345431 29-6, Unit 73, 73-5

Well Logged By

Personnel On-Site

M. Don Shue, J. O'Keife, J. Long

Contractors On-Site

Client Personnel On-Site

Drilling Method 474 ID H5M

Air Monitoring Method CGI, PID

Depth (Feet)	Sample Number	1 .	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	r Monito Inits: NC BH	·	Drilling Conditions & Blow Counts
				Backfill					
5				Backfill to 121					
10				, ,	٠.		•		
 15									
		18-	25	clayey SILT, ak. brown, firm, nonplastic, damp, 10-30% clay				4/80	1506
20 	,			damp, 10-30% clay				Га	
25	2	25- 25	85/NO	SAA.				58 268	1509
30	3	28- 30	.45	5AA				782	1514
<u>-</u>			51	SAA, but with trace fine sand.					
35 	7	35 38-	2.0	fine sand.			-	259	520
40	5	40		SAA				4	1527

Comments:			
		A 1	101
	Geologist Signature	//1. 1 h k	ELKI.

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp. 4000 Monroe Road Farmington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388

Borehole #	BH-1
Well #	
Page	Z. of Z

Elevation		
Borehole Location		
GWL Depth		····
Logged By	S.Kelly	
Drilled By		
Date/Time Started		
Date/Time Comple	ted	

Project Name
Project Number
Project Location

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

CGI, PID

Drilling Method

Air Monitoring Method

1					,	· · · · · · · · · · · · · · · · · · ·				
				Sample		l	Depth	·		
	Depth	Sample	Sample	Type &	Sample Description	uscs	Lithology	Air A	Aonitoring	Drilling Conditions
	(Feet)	Number	Interval	Recovery	Classification System: USCS	Symbol	Change	Unit	ts: NDU 5/	& Blow Counts
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Comments:

53'-55' sample (SEK64) sent to lab (BTEX 9TPH) BH growted to surface.

Geologist Signature

Such Helly



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEK 63	947267
MTR CODE SITE NAME:	73508	San Juan 29-6, #73
SAMPLE DATE TIME (Hrs):	08-17-95	15:55
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	8/21/95	8-21-95
DATE OF BTEX EXT. ANAL.:	8/21/95	8/21/95
TYPE DESCRIPTION:	VG	Poroson Sand + Clay
•		

Field Remarks:	
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RESULTS

PARAMETER	RESULT UNITS		QUALIFIERS			
	5.	i e 1	DF	Q	M(g)	V(m)
BENZENE	< .5	MG/KG		F		
TOLUENE	< .5	MG/KG				
ETHYL BENZENE	< .5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	43.2 8/21	45 MG/KG			2.64	28
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	95,0	%				1 15 kg 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

The Surrogate Recovery was at 104 % for this sample All QA/QC was acceptable.

Narrative:

Benzene Taken from FID

DF = Dilution Factor Used

Approved By:



Date: \$/34/97

```
Test Method for
À.
    Oil and Grease and Petroleum Hydrocarbons
                                             4.
*
               in Water and Soil
                                             *
\psi_{i}
*
          Perkin-Elmer Model 1600 FT-IR
                Analysis Report
95/08/21 14:51
  Sample identification
947267
*
 Initial mass of sample, g
*
  Volume of sample after extraction, ml
  Petroleum hydrocarbons, ppm
43.157
* Net absorbance of hydrocarbons (2930 cm-1)
0.016
素
        Y: Petroleum hydrocarbons spectrum
                                                         14:51
99.17
 %Τ
H-LACE-
   3200
                          3000
                                                2899
                                                           cm^{-1}
```

BTEX SOIL SAMPLE WORKSHEET

File	:	947267	Date Printed	: 8/24/95
Soil Mass	(g) :	5.03	Multiplier (L/g)	: 0.00099
Extraction vol.	(mL):	20	DF (Analytical)	: 200
Shot Volume	(uL) :	100	DF (Report)	: 0.19881

				Det. Limit
Benzene	(ug/L) :	0.00	Benzene (mg/Kg):	0.000 0.497
Toluene	(ug/L) :	0.00	Toluene (mg/Kg):	0.000 0.497
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene (mg/Kg):	0.000 0.497
p & m-xylene	(ug/L) :	0.00	p & m-xylene (mg/Kg):	0.000 0.994
o-xylene	(ug/L) :	0.00	o-xylene (mg/Kg):	0.000 0.497
			Total xylenes (mg/Kg):	0.000 1.491

Total BTEX (mg/Kg): 0.000

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\082195-0.001 Method : C:\LABQUEST\METHODS\9000.MET

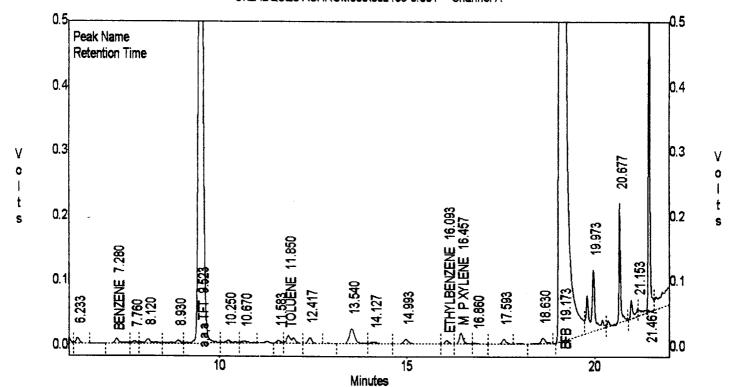
Sample ID : 947267,5.03G,100U Acquired : Aug 21, 1995 12:39:41 Printed : Aug 22, 1995 07:46:24

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.280	59656	-2.3029
a,a,a TFT	9.523	9580705	97.1646
TOLUENE	11.850	135644	-0.5167
ETHYLBENZENE	16.093	35907	-0.2682
M & P XYLENE	16.457	125915	-2.9208
O XYLENE	17.673	0	0.0000
BFB	19.173	78466336	104.4309





EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\082195-0.001
Method : C:\LABQUEST\METHODS\9000.MET

Sample ID : 947267,5.03G,100U Acquired : Aug 21, 1995 12:39:41 Printed : Aug 22, 1995 07:46:31

User : MARLON

Channel B Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.277	0	0.0000
a,a,a TFT	9.530	310521	101.7125
TOLUENE	11.900	0	0.0000
ETHYLBENZENE	16.143	0	0.0000
M & P XYLENE	16.523	0	0.0000
O XYLENE	17.657	0	0.0000
BETR	19,163	1772551	110.6752

C:\LABQUEST\CHROM000\082195-0.001 -- Channel B

