EPFS PIT CLOSURE SUMMARY

DEPUTY OIL & GAS INSPECTOR

JUL 1 7 1998

Stewart LS #1 Meter/Line ID - 70117

Legals - Twn: 30

Rng: 10

SITE DETAILS
Sec: 28

Unit: K

Land Type: BLM

Operator: Amoco

- p-------

PREVIOUS ACTIVITIES

NMOCD Hazard Ranking: 10

Site Assessment: 5/3/94 Monitor Well: N/A Excavation: 5/16/94

Soil Boring: 6/22/95 Geoprobe: N/A

Re-Excavation: N/A

CONCLUSIONS

The initial excavation was excavated to the top of bedrock, which was 6 feet below ground surface (bgs). PID field screening indicated subsurface soils to be 298 ppm at 6 feet bgs. Excavation was terminated and a sample was collected. Sample analysis indicated total BTEX to be above standards at 126 mg/kg and TPH was above standards at 1,110 mg/kg. A test boring was drilled in the center of the initial excavation to determine the vertical extent of impact to soil. The soil lithology beneath the excavation consisted of a light tan, fine to medium grained sand (sandstone), which continued to 10.5 feet bgs where refusal was encountered. A soil sample was collected for BTEX and TPH analysis at 10-10.5 feet bgs. Laboratory analysis showed total BTEX and TPH to be below standards at .077 mg/kg and 167 mg/kg respectively.

RECOMMENDATIONS

No further action is recommended at the site for the following reasons:

- The bulk of the impacted soil was removed during the phase 1 excavation.
- Test boring sample results indicated soils below standards 4 feet beneath the initial excavation.
- The excavation was terminated in bedrock.
- No groundwater was encountered in the test boring.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soils at the bottom of the initial excavation will
 naturally degrade in time with minimal risk to the environment.

PECEIVED MAR - 9 1998 OIL CON. DIV. DIST. 3

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 70117 Location: STEWART IS *1 Operator #: 0203 Operator Name: Amoco P/L District: BloomFIELD Coordinates: Letter: K Section 28 Township: 30 Range: 10 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 5:3.94 Area: 10 Run: 73
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside
REMARAS	Remarks: Three PITS ON LOCATION, WILL CLOSE ONLY ONE PIT HAS SOME PARAFIN IN 17. REDLINE AND TOPO CONFIRMED LOCATION TO BE INSIDE THE V.Z. DIG É HARL

(SP3190) 04/08/94

PHASE I EXCAVATION

GEN RAL	Meter: 7017 Location: Stewart Ls ¹² 1 Coordinates: Letter: K Section 28 Township: 30 Range: 10 Or Latitude Longitude Date Trantea: 5-16-94 Area: 10 Run: 73
FIELD OBSERVATIONS	Sample Number(s): KP 51 Sample Depth: 6 Feet Final PID Reading Depth 6 Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
SURE	Remediation Method: Excavation Onsite Bioremediation Back's Pit Without Excavation (3)
S0/I)	Soil Disposition: Envirateon (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 5-16-99 Pit Closed By: B.E.T.
REMARKS .	Remarks: Some Line markers on Location got some Stug in side of Pit, under stug is about 14" of water 3' He started Hithing sand stone 6' Gould Not Dig any more sand stone.
,	Signature of Specialist: Kulla Padilla



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	K751	945189
MTR CODE SITE NAME:	רווסר	N/A
SAMPLE DATE TIME (Hrs):	5-16-94	1200
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	5-17.94	5117194
DATE OF BTEX EXT. ANAL.:	5/20/94	5/22/94
TYPE DESCRIPTION:	٧ 4	Course Sand & Clay
TTPE DESCRIPTION.		
REMARKS:		·

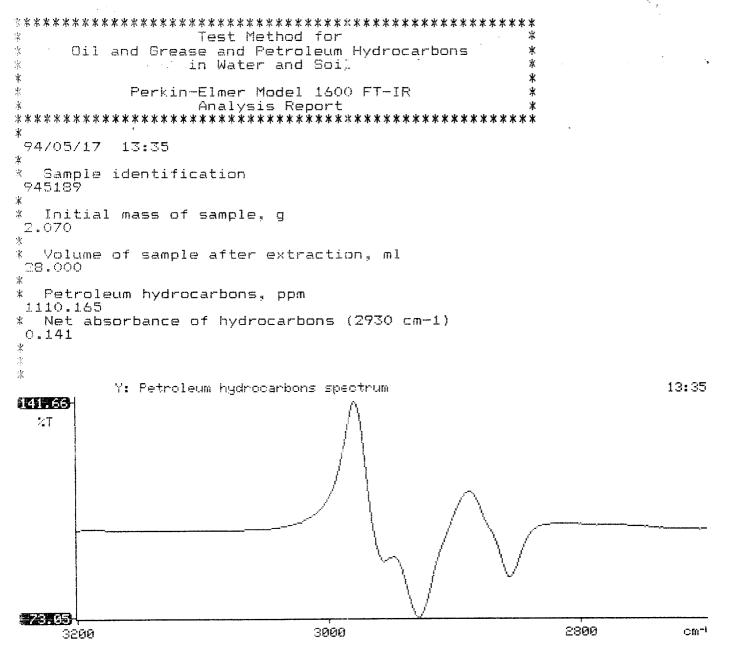
RESULTS

PARAMETER	RESULT UNITS		QUALIFIERS				
PANAGELA			DF	Q	M(g)	V(ml)	
BENZENE	1.5	MG/KG	20				
TOLUENE	30	MG/KG	20				
ETHYL BENZENE	9.9	MG/KG	20				
TOTAL XYLENES	85	MG/KG	20				
TOTAL BTEX	126	MG/KG					
TPH (418.1)	1110	MG/KG			2.07	28	
HEADSPACE PID	298	PPM					
PERCENT SOLIDS	90.0	%					

DF = Dilution Factor Used

Approved By: Jan Janken

Date: 7/14/9V





ATI I.D. 405378

June 2, 1994

El Paso Natural Gas Company P.O. Box 4990 Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 05/18/94, 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.

Client samples 945004 and 945007 were submitted to Analytical Technologies' Albuquerque laboratory past the recommended EPA holding time.

NOTED 89 46/94

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: jd

Enclosure

H. Mitchell Rubenstein, Ph.D. Laboratory Manager





GAS CHROMATOGRAPHY RESULTS

TEST

: BTEX (EPA 8020)

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 405378

PROJECT #

: 24324

PROJECT NAME : PIT CLOSURE

SAMPL ID. #		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
21	945187	NON-AQ	05/16/94	05/20/94	05/22/94	20
22	945188	NON-AQ	05/16/94	05/20/94	05/22/94	20
23	945189	NON-AQ	05/16/94	05/20/94	05/22/94	20
PARAM	IETER		UNITS	21	22	23
BENZE	ENE		MG/KG	1.7	1.5	1.5
TOLUE	ENE		MG/KG	17	47	30
ETHYI	LBENZENE		MG/KG		11	9.9
TOTAI	XYLENES		MG/KG	31	170	85
SURRO	GATE:					
TRIFI	LUOROTOLUENE (%)		104	81	87

PHASE II

RECORD OF SUBSURFACE EXPLORATION Philip Environmental Services Corp. 4000 Monroe Road Farmington, New Mexico 87401 (606) 326-2262 FAX (606) 326-2388 Project Name **EPNG Pits** Project Number 14509 Phase **Project Location** Elevation Borehole Location Well Logged By S.Kelly **GWL Depth** Personnel On-Site Contractors On-Site Logged By S.Kelly

Client Personnel On-Site

	Sample Sample Type &	Sample Description	uscs	Depth Lithology		ir Monite	orion	O.W.
O N	mber Interval Recovery	Classification System: USCS	Symbol	Change (feet)	BZ	Unite: N	10U5/H	Drilling Conditions & Blow Counts
_ 10 _ 15 _ 20 _ 25 _ 30	5.	Backfill to 6! SAND, light tan with rust mottling, fine to med sand, dry, dense May be weathered rock BOH-10.5 Refusal at 10.5!			0	8	1 1	1x 6 zz 95 72+8! 1010-a+10 5p 1+ spoor drivon on 1 ,6! with 3

Comments: Surtace Geologist Signature

Drilled By Date/Time Started



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	JAMI LE IDENTI.		
	Field ID	Lab ID	
SAMPLE NUMBER:	SRK18	94/6923	
MTR CODE SITE NAME:	70117	N/A	
SAMPLE DATE TIME (Hrs):	6-27-95	010	
SAMPLED BY:		N/A	
DATE OF TPH EXT. ANAL.:	4-23-95	4.23.95	
DATE OF BTEX EXT. ANAL.:	6-29.95	6.30-95	
TYPE DESCRIPTION:	VG	Light Brown some	
_			
REMARKS:			
	RESULTS		
······································			

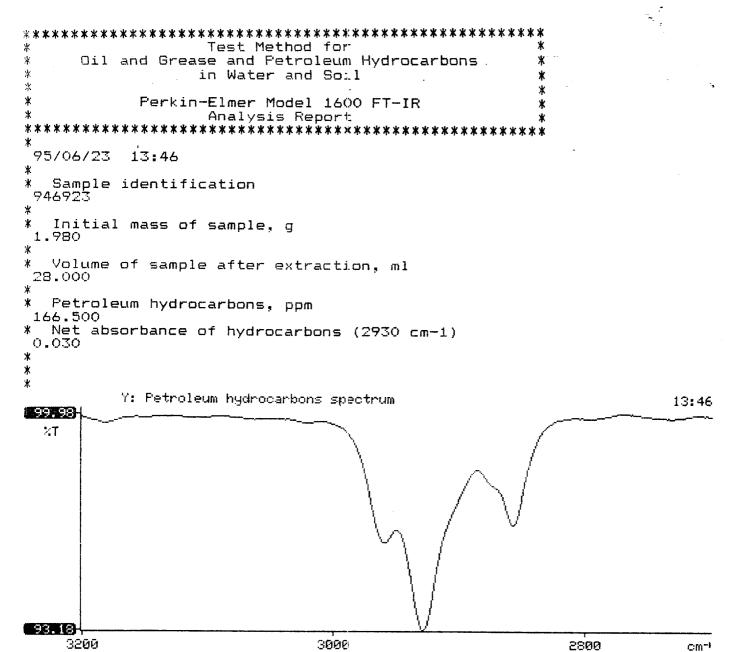
PARAMETER	RESULT	UNITS		QUALIF	ERS	
t WINIAIT I TH			DF	Q	M(g)	V(mi)
BENZENE	10.025	MG/KG	l l			
TOLUENE	25.02	MG/KG	1			-
ETHYL BENZENE	40.025	MG/KG	1			
TOTAL XYLENES	(٦٥٠٥	MG/KG	11			
TOTAL BTEX	0.077	MG/KG				ļ <u></u>
TPH (418.1)	167	MG/KG			1.98	28
HEADSPACE PID	15	PPM	. 24.1			
PERCENT SOLIDS	92.3	%				

The Surrogate Recovery was at 101 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By:





ATI I.D. 506426

July 10, 1995

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 06/29/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze non-aqueous samples. 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.

Xualell

Kimberly D. McNeill 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.: 506426

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPL		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	946921	NON-AQ	06/21/95	06/29/95	06/30/95	1
05	946923	NON-AQ	06/22/95	06/29/95	06/30/95	1
06	946924	NON-AQ	06/22/95	06/29/95	06/30/95	1
PARAM	ETER		UNITS	04	05	06
BENZE	NE		MG/KG	<0.025	<0.025	<0.025
TOLUE	NE		MG/KG	<0.025	<0.025	<0.025
ETHYL	BENZENE		MG/KG	<0.025	<0.025	<0.025
	. XYLENES		MG/KG	<0.025	0.077	<0.025
SURRO	GATE:					
BROMO	FLUOROBENZENE (%)			98	101	106



GAS CHROMATOGRAPHY RESULTS

TEST

: EPA 8015 MODIFIED

CLIENT

: EL PASO NATURAL GAS CO. ATI I.D.: 506426

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPI ID.		MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR	
05	946923	NONAQ	06/22/98	06/30/95	07/06/95	1	
08	946926	NONAQ	06/26/95	06/30/95	06/30/95	1	
09	946927	NONAQ	06/26/95	06/30/95	06/30/95	1	
PARA	METER		UNITS	05	08	09	
FUEL	HYDROCARBONS		MG/KG	<5	<5	<5	
HYDRO	OCARBON RANGE			-	-	-	
HYDRO	OCARBONS QUANTITAT	ED USING		-	-	-	
SURROGATE:							
O-TEI	RPHENYL (%)			108	94	93	