AZTEC 4 #35 Meter/Line ID - 93335 DECEIVED

SITE DETAILS

Legals - Twn: 30 Rng: 14

NMOCD Hazard Ranking: 20

Operator: QUESTAR ENERGY CORP.

Sec: 35 Unit: N

Land Type: 2 - Federal

Pit Closure Date: 01/12/95

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: 9335 Location: AzTEL 4 #35 Operator #: Operator Name: AMAX P/L District: KUTZ Coordinates: Letter: N Section 35 Township: 30 Range: 14 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 1.3.95 Area: 02 Run: 23
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Outside Outside Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) 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? Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) Horizontal Distance to Surface Water Body Compared Than 1000 Ft (10 points) (2) Greater Than 1000 Ft (10 points) (3) Name of Surface Water Body (4) Compared Water Body (5) Greater Than 1000 Ft (10 points) (6) Greater Than 1000 Ft (10 points) (7) Compared Water Body (8) Distance to Nearest Ephemeral Stream (1) < 100'(Navajo Pits Only) (2) > 100' (1) TOTAL HAZAPD BANKING SCOPE.
70	TOTAL HAZARD RANKING SCORE:POINTS
REMARKS	PIT BELONGS TO EPNG. WILL CLOSS PIT.
REM	Push /N

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 93335 Location: AZTec 4-*35 Coordinates: Letter: N Section 35 Township: 30 Range: 14 Or Latitude Longitude Longitude Date Started: 1-4-95 Run: 02 23									
FIELD OBSERVATIONS	Sample Number(s): Feet Sample Depth: Feet Final PID Reading PID Reading Depth Feet Yes No Groundwater Encountered									
CLOSURE	Remediation Method: Excavation									
REMARKS	Remarks: Arrived took Feace down Dug test Hole Hit sand stone 5' Soil Brown No HyDro carbon odor Signature of Specialist: Moyen Killian									



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	MK 325	946572
MTR CODE SITE NAME:	93335	N/A
SAMPLE DATE TIME (Hrs):	1-12-95	D&3 D
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	1-17-95	1-17-95
DATE OF BTEX EXT. ANAL.:	1/15/95	1/25/95
TYPE DESCRIPTION:	VC	light brown the sand and chang

REMARKS:	

RESULTS

PARAMETER	RESULT	UNITS		QUALIFIE	:RS		
	a prima sin		DF	Q	M(g)	V(ml)	
BENZENE	40.005	MG/KG	0,00100		4.99	SV	
TOLUENE	20.005	MG/KG			1	}	
ETHYL BENZENE	40,005	MG/KG					
TOTAL XYLENES	<0.015	MG/KG	1		1	-+	
TOTAL BTEX	20.015 K	د الإيرامة MG/KG					
TPH (418.1)	430	MG/KG			2.02	28	
HEADSPACE PID	37	PPM					
PERCENT SOLIDS	92.2	%					

TPI	TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020						
The Surrogate Recovery was at 13 Narrative:	3 % for this sample	All QA/QC was acceptable.					
DF = Dilution Factor Used							
Approved By:		Date: 2-22-95					

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1996年 1997年 1998年 
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                                                                                                             i and i ease
                       i kapa e delenti filozofilim
Majori
                  itumini mass of campic, g
                    Actume of sample after extraction, ml
M: Petroleum hydrocaroons spectrum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10:47
```

3868

2899

cm⁻¹

44 - 44 - 14

BTEX SOIL SAMPLE WORKSHEET

 File
 : 946572C
 Date Printed
 : 1/28/95

 Soil Mass
 (g)
 : 4.99
 Multiplier (L/g)
 : 0.00100

 Extraction vol. (mL)
 : SV
 DF (Analytical)
 : 1

 Shot Volume
 (uL)
 : SV
 DF (Report)
 : 0.00100

							Det. Limit
Benzene	(ug/L)	:	0.00	Benzene	(mg/Kg):	0.000	0.005
Toluene	(ug/L)	:	2.30	Toluene	(mg/Kg):	0.002	0.005
Ethylbenzene	(ug/L)	:	0.46	Ethylbenzene	(mg/Kg):	0.000	0.005
p & m-xylene	(ug/L)	:	2.01	p & m-xylene	(mg/Kg):	0.002	0.010
o-xylene	(ug/L)	:	1.85	o-xylene	(mg/Kg):	0.002	0.005
				Total xylenes	(mg/Kg):	0.004	0.015
				Total BTEX	(mg/Kg):	0.007	

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\946572C Method : C:\LABQUEST\METHODS\9001.MET

Sample ID : 946572, 4.99G

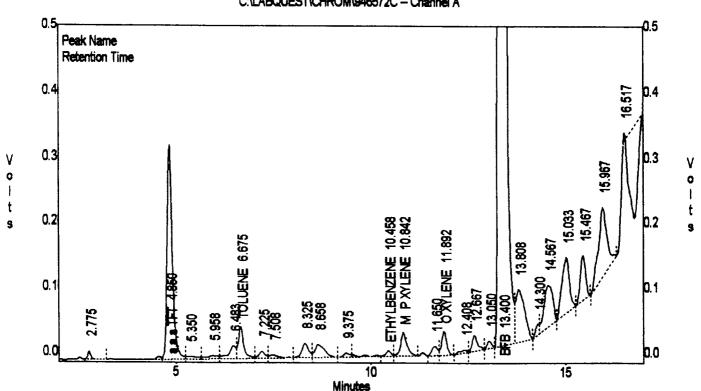
Acquired : Jan 26, 1995 06:49:14 Printed : Jan 26, 1995 07:06:21

User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.350	0	0.00000	0.0000
a,a,a TFT	4.850	3082084	16441.05469	154.2995
TOLUENE	6.675	478408	263791.65625	2.3001
ETHYLBENZENE	10.458	83593	189312.21875	0.4587
M & P XYLENE	10.842	419304	265882.84375	2.0073
O XYLENE	11.892	329491	184211.78125	1.8526
BFB	13.400	91618680	596815.06250	133.8970
Totals:				
-		96011560		294.8152

C:\LABQUEST\CHROM\946572C - Channel A



EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\946572C Method : C:\LABQUEST\METHODS\9001.MET

Sample ID : 946572, 4.99G

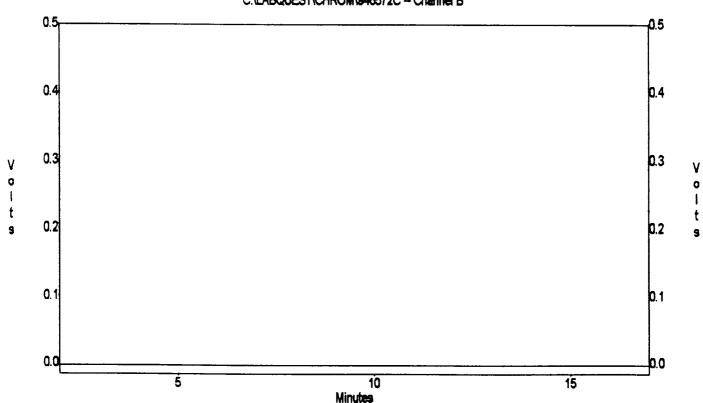
Acquired : Jan 26, 1995 06:49:14 Printed : Jan 26, 1995 07:06:25

User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	3.367	0	0.00000	0.0000
a,a,a TFT	4.883	0	0.00000	0.0000
TOLUENE	6.700	0	0.00000	0.0000
ETHYLBENZENE	10.480	0	0.00000	0.0000
M & P XYLENE	10.833	0	0.00000	0.0000
O XYLENE	11.900	0	0.00000	0.0000
BFB	13.400	0	0.00000	0.0000
Totals :				
		0		0.0000

C:\LABQUEST\CHROM\946572C -- Channel B



PHASE II

->	,	تعمد

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Fermington, New Mexico 87401 (606) 326-2262 FAX (506) 326-2388

Elevation

Borehole Location T30, R 14, 535, N

GWL Depth

Logged By

Drilled By

Date/Time Started

Date/Time Completed

Date/Time Completed

Date/Time Started

Date/Time Completed

Date/Time Started

Date/Time Completed

Date/Time Started

Date/Time Completed

Date/Time Started

Date/Time Completed

Borehole #	BH-1	
Well #		_
Page	of	

 Project Name
 EPNG Pits

 Project Number
 14509
 Phase 6000.77

 Project Location
 Aztec 4-#35
 93335

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

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

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)		ir Monito Units: PF BH	-	Drilling Conditions & Blow Counts
10		10-12		Backfill material to 5' CL, GRAY CLAI, DRY vay stiff, low plosticity, ho odor Boring terminated at 12'		(feet)	В	BH .	\$	0827 25 blans per Foot

Comments: Sample collected From 10 to 12' (JWK 86). Sample Submitted for analysis of BTEX and TPH. BH growted to the Surface

Geologist Signature

Jeffren Knidles



FIELD SERVICES LABORATORY-ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

_	Field ID	Lab ID
SAMPLE NUMBER:	JWK86	947544 ~
MTR CODE SITE NAME:	93335	Aztec 4 - #35
SAMPLE DATE TIME (Hrs):	09-26-95	0827
PROJECT:	Phase II Drillin	
DATE OF TPH EXT. ANAL.:	9-27-95	
DATE OF BTEX EXT. ANAL.:	9/27/95	9/27/95
TYPE DESCRIPTION:	VG	From Stud & Clay
•		

Field Remarks:	

PARAMETER	RESULT	UNITS		QUALIFIERS			
			DF	Q	M(g)	V(ml)	
BENZENE	405	MG/KG				!	
TOLUENE	4 0.5	MG/KG					
ETHYL BENZENE	4 0.5	MG/KG					
TOTAL XYLENES	< 1.5	MG/KG					
TOTAL BTEX	< 3	MG/KG					
TPH (418.1)	8	MG/KG			1.94	28	
HEADSPACE PID	0	PPM		44.	and the second	est part	
PERCENT SOLIDS	90.7	%				1	

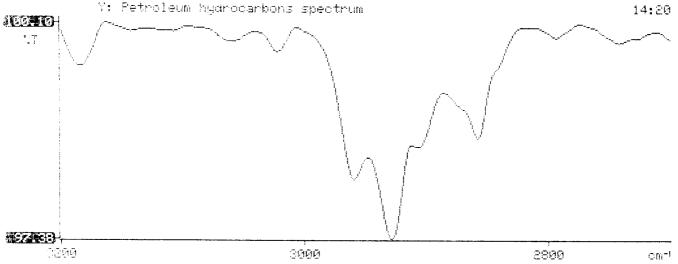
RESULTS

TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020							
The Surrogate Recovery was at Narrative:	<u>98%</u>	for this sample	All QA/QC was acceptable.				
		——————————————————————————————————————					
DF = Dilution Factor Used	<u> </u>						

Approved By:

Date: 9-29-95

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Test Method for
    dit and Grease and Petroleum Hydrocarbons
                                        粜
             in Water and Soil
        Perkin-Elmer Model 1600 FT-IR
                                        水
              Analysis Report
95709727 14:20
3.8
Samble identification
 Initial mass of sample, g
1.940
 Volume of sample after extraction, ml
<u>18.000</u>
 Petroleum hydrocarbons, ppm
 Net absorbance of hydrocarbons (2930 cm-1)
```



BTEX SOIL SAMPLE WORKSHEET

File		:	947544	Date Printed	:	9/28/95
Soil Mass	(g)	:	4.97	Multiplier (L/g)	:	0.00101
Extraction vol.	(mL)	:	10	DF (Analytical)	:	200
Shot Volume	(uL)	:	50	DF (Report)	:	0.20121

					D	et. Limit
Benzene	(ug/L) :	0.13	Benzene (mg/Kg):	0.026	0.503
Toluene	(ug/L) :	0.42	Toluene (mg/Kg):	0.085	0.503
Ethylbenzene	(ug/L) :	0.20	Ethylbenzene (mg/Kg):	0.040	0.503
p & m-xylene	(ug/L) :	0.88	p & m-xylene	(mg/Kg):	0.177	1.006
o-xylene	(ug/L) :	0.20	o-xylene	(mg/Kg):	0.040	0.503
			Total vulance (0.247	4 500

Total xylenes (mg/Kg): 0.217 1.509
Total BTEX (mg/Kg): 0.368

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\092795-0.017 Method : C:\LABQUEST\METHODS\9000.MET

Sample ID : 947544,4.97G,50U Acquired : Sep 28, 1995 01:04:24 Printed : Sep 28, 1995 01:34:48

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	8.133	47903	0.1280
a,a,a-TFT	10.480	9129434	104.3533
TOLUENE	12.900	151873	0.4173
ETHYLBENZENE	17.230	67835	0.2015
M, P-XYLENES	17.610	353457	0.8810
O-XYLENE	18.783	65636	0.2004
BFB	19.863	53186780	97.5759

