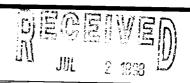
DEC 2 1 1998

AZTEC #2E Meter/Line ID - 93110

SITE DETAILS



Legals - Twn: 30

Rng: 14 NMOCD Hazard Ranking: 30

Sec: 35

Unit: G

Land Type: 4 - Fee

Operator: QUESTAR ENERGY CORP.

Pit Closure Date: 01/25/95

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
- 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 minimal with risk the environment.



FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 9310 Location: AZTED # 28 Operator #: Operator Name: MMAX P/L District: KUTZ Coordinates: Letter: Section 35 Township: 30 Range: 14 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 1:11.95 Area: 02 Run: 23								
	NMOCD Zone: Land Type: BLM □ (1) (From NMOCD State □ (2) Maps) Inside □ (1) Outside □ (2) Indian								
SITE ASSESSMENT	Depth to GroundwaterLess 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 Locks Arroyo								
	(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: POINTS								
REMARKS	Remarks: REDUNE : TOPO SHOW LOCATION INSIDE V.Z. 5 DITS ON LOCATION. UNLINED DEHY PIT BELONGS TO EPNG. WILL CLOSE PIT.								
RE	N.A. & IIAIII								

ORIGINAL PIT LOCATION	ORIGINAL PIT LOCATION Original Pit : a) Degrees from North 63° Footage from Wellhead 83′ b) Length : 14′ Width : 14′ Depth : 2′
REMARKS	Remarks: PHOTOS - 1016 Completed By:
	Later Champson 1.11.95

Signature

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 93110 Location: Aztrc * 2 E Coordinates: Letter: G Section 35 Township: 30 Range: 14 Or Latitude Longitude Date Started: 1-25-95 Run: 02 23
FIELD OBSERVATIONS	Sample Number(s): KP 394 Sample Depth: 12' Feet Final PID Reading 457 Yes No Groundwater Encountered \(\bar{\text{\text{X}}} \) Approximate Depth Feet
CLOSURE	Remediation Method . Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name:
REMARKS	Pit Closure Date: 1-25-95 Pit Closed By: B.E. Remarks: No Line markers. Started femediating to 12' soil Dark gray with Hydrocaphu alogo. At 12: Soil Still the Same.
	Signature of Specialist: Kelly Vedille



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	SAIVIPLE	IDENTIFICA	TION			
	Field	ID		Lab ID		
SAMPLE NUMBER:	KP 392	_	946	598		
MTR CODE SITE NAME:	93110)		N/A		
SAMPLE DATE TIME (Hrs):	1-25-0	35	170	ರ		
SAMPLED BY:		N	<u>//A</u>	 		
DATE OF TPH EXT. ANAL.:	1-28		_	1101		
DATE OF BTEX EXT. ANAL.:	1/26/	45		195		
TYPE DESCRIPTION:	VC	<u>, , , , , , , , , , , , , , , , , , , </u>	Brown fin	e sand a	mal clary	
	ļ.	RESULTS				
PARAMETER	RESULT	UNITS	DF	QUALIFIE	RS M(g)	V(ml)
BENZENE	41.96	MG/KG	0.39216		2,55	20
TOLUENE	26.7	MG/KG				
ETHYL BENZENE	12.3	MG/KG				
TOTAL XYLENES	121	MG/KG			1	<i>-</i>
TOTAL BTEX	161	MG/KG				
TPH (418.1)	4660	MG/KG			0.300	28
HEADSPACE PID	457	PPM		144		
PERCENT SOLIDS	87.1	%		al the		
he Surrogate Recovery was at	TPH is by EPA Method		EPA Method 8020 nie All QA/QC v	vas accepta	able.	

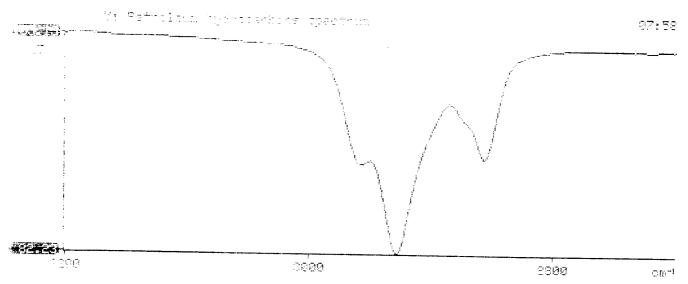
Date: 2-27-95

DF = Dilution Factor Used

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Test Metholeum hydrocarbons, ppm

Test Stronger of bydrocarbons (2930 cm-1)

Test Stronger of bydrocarbons (2930 cm-1)
```



BTEX SOIL SAMPLE WORKSHEET

File)	:	946598B	Date Printed : 2/1/95
Soil Mass	10,		2.55	Multiplier (L/g) : 0.00196
Extraction vol		:	20	DF (Analytical) : 200
Shot Volume	(uL)	:	100	DF (Report) : 0.39216
_				Det. Limit
Benzen e	(ug/L)	:	1.53	Benzene (mg/Kg): 0.600 1.961
Toluene	(ug/L)	:	68.12	Toluene (mg/Kg): 26.714 1.961
Ethylbenzene	(ug/L)	:	31.24	Ethylbenzene (mg/Kg): 12.251 1.961
p & m-xylene	(ug/L)	:	220.98	p & m-xylene (mg/Kg): 86.659 3.922
o-xylene	(ug/L)	:	87.83	o-xylene (mg/Kg): 34.443 1.961

Total xylenes (mg/Kg): 121.102 Total BTEX (mg/Kg): 160.667

5.882

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946598B

Method: C:\LABQUEST\METHODS\CALCBTEX.MET

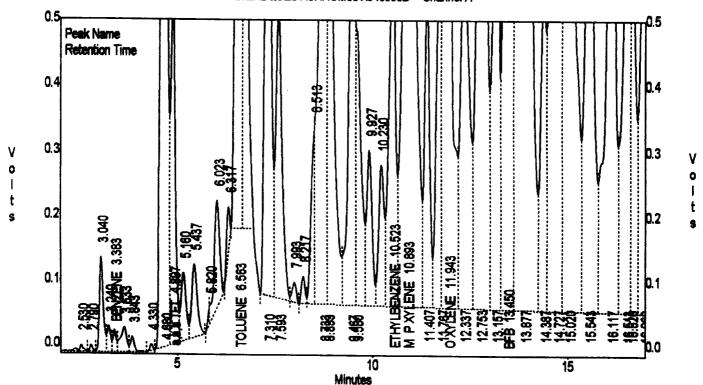
Sample ID : 946598,2.55G/100uL Acquired : Feb 01, 1995 06:40:15 Printed : Feb 01, 1995 12:34:25

User : Torry

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
Benzene	3.383	196723	121531.74219	1.5272
a,a,a TFT	4.897	4480546	32055.68359	137.5100
TOLUENE	6.563	16834868	314479.71875	68.1226
ETHYLBENZENE	10.523	7043588	228573.29688	31.2394
M & P XYLENE	10.893	55632780	316768.40625	220.9843
O XYLENE	11.943	19356154	221087.17188	87.8341
BFB	13.450	91512352	944778.31250	95.9657
Totals :				
		195057008		643.1832

C:\LABQUEST\CHROM001\946598B - Channel A



EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946598B

Method : C:\LABQUEST\METHODS\CALCBTEX.MET

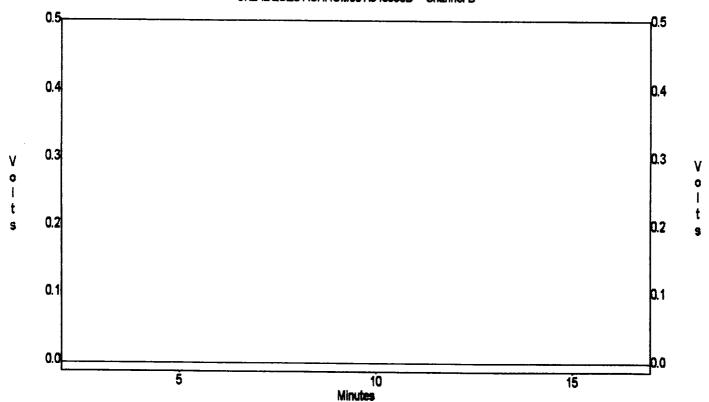
Sample ID : 946598,2.55G/100uL Acquired : Feb 01, 1995 06:40:15 Printed : Feb 01, 1995 12:34:34

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\CHROM001\946598B - Channel B



PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Date/Time Completed 09 121 95

Elevation

Borehole Location
GWL Depth
Logged By
Drilled By
Date/Time Started

Steve Spaids

Og 20

1030

Borehole # BH-1
Well #
Page | of |

 Project Name
 EPNG Pits

 Project Number
 14509
 Phase 6000.77

 Project Location
 № 2100
 ₩ 2100
 ₩ 2100

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	USC\$ Symbol	Depth Lithology Change (feet)	Air Mo Units: 8Z B	PPM	Drilling Conditions & Blow Counts
10) 2 :	15-17 20-22 25-27	(inches)	Back Fill material to 12' SW, BI, BR SAMD, FIME- GRAINED, muist 10058, hydrocantron odon SW, BR SAMD, FINE GRAINED, dry, very duro, hydrocantron odons S.A.A. CL, BR CLAY, DAY, hand, low glantruty, no odon, Boring terminated at 32'	Symbol			1 s 142/147 112/149	6 Blows per Foot 0940 61 Blows per Foot 0953 50 blows per Foot
40									·

Comments: Sangle collected From 30 to 32' (TWK 87), Sangle analyzed

For BTEX and TPH. BH growted to the Surface

Geologist Signature



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

_	Field ID	Lab ID
SAMPLE NUMBER:	JWK 87	947 545
MTR CODE SITE NAME:	93110	Aztec #2E
SAMPLE DATE TIME (Hrs):	09-26-95	1000
PROJECT:	Phone It Orillia	
DATE OF TPH EXT. : ANAL.:	9-27-95	
DATE OF BTEX EXT. ANAL.:	9/21/95	9/27/95
TYPE DESCRIPTION:	V6	Brunos Sand & Sand Stone

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< c.5	MG/KG				
TOLUENE	< 0.5	MG/KG				<u></u>
ETHYL BENZENE	40.5	MG/KG				
TOTAL XYLENES	4 1.5	MG/KG				
TOTAL BTEX	4.3	MG/KG				
TPH (418.1)	43	MG/KG			1.98	28
HEADSPACE PID	9	PPM				* 1 -
PERCENT SOLIDS	69,3	%				1 °.

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

The Surrogate	Recovery	was	at	
---------------	----------	-----	----	--

92%

for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By:

J. F.

9-29-95

Test Method for X

Cil and Greace and Petroleum Hydrocarbons a in Mater and Soil X

Perkin-Elmer Model 1600 FT-IR A PARTYSIS Report A PARTYSIS A PA

