DEC 0 2 1997

Meter Number:95104 Location Name:Mesa Twin Mounds #2 - 30

Location:TN-30 RG-14 SC-30 UL-L 2 - Federal NMOCD Zone: OUTSIDE

Hazard Ranking Score:00

RATIONALE FOR RISK-BASED CLOSURE OF PRODUCTION PITS LOCATED OUTSIDE OF THE VULNERABLE ZONE IN THE SAN JUAN BASIN

This production pit location was ranked according to the criteria in the New Mexico Oil Conservation Division's Unlined Surface Impoundment Closure Guidelines and received a ranking score of zero. The estimated depth to groundwater is greater than 100-feet beneath ground surface (bgs), the pit is not in a well head protection area, and there are no surface water bodies within 1,000 horizontal feet of the pit location.

The primary source, discharge to the pit has been removed. There has been no discharge to the pits for at least 4 years and the pits have been closed for at least one year.

Each pit was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Minimal infiltration of rainfall is expected. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching the residual hydrocarbons.

There is no source material at the ground surface, so direct contact of hydrocarbons with livestock and the populous is not likely.

In general, outside of the vulnerable area and alluvial valleys, bedrock material is generally encountered within 20 feet of the ground surface. Bedrock material in the San Juan Basin consists of interbedded sandstones, shales and clays. According to Freeze and Cherry, 1979, the hydraulic conductivity of the bedrock material are as follows:

10⁻⁹ to 10⁻¹³ cm/sec Sandstone 10⁻¹² to 10⁻¹⁶ cm/sec 10⁻¹² to 10⁻¹⁵ cm/sec Shale Clay

Based on this information, the residual hydrocarbons should not migrate to groundwater.

Natural process (bioremediation) are degrading the residual hydrocarbon to carbon dioxide and water and will continue until the source is gone, therefore minimizing any impact to the environment.

Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

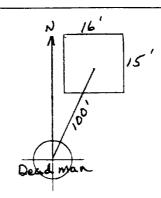


FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 25/04 Location: Mesa Twin Meunds 2-30 Operator #: 4391 Operator Name: Engineer RVL District: Kutz Coordinates: Letter: L Section 30 Township: 30 Range: 14 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 10-17-95 Area: 02 Run: 23
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside (2) 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) Creater Than 1000 Ft (0 points) Greater Than 1000 Ft (0 points) Creater Than 1000 Ft (10 points) Creater Than 10
REMARÍ.	Remarks: Topo shows outside V2, Old not have this section in my 3pits and c. Paktoc II Rig Blow pit, 2.1 Separator pit Red Line 3.) Loc drip belongs to EPNG will close pit.

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 25° Footage from Wellhead 100' b) Length: 16' Width: 15' Depth: 41'



Remarks:

photos: 4 pict 0900

Completed By:

Signature

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 95/04 Location: Mesa Twin Mounds #2-30 Coordinates: Letter: L Section 30 Township: 30 Range: 14 Or Latitude Longitude Date Started: 10-23-95 Run: 02 23
FIELD OBSERVATIONS	Sample Number(s): Sample Depth: Feet Final PID Reading Yes No Groundwater Encountered Approximate Depth Feet Feet
CLOSURE	Remediation Method: Excavation
KEMARKS	Remarks: Dug to 2 ft. behow bit bottom, hit sandstone contamination is about I thick on top of sandstone, Took PIP it was 187ppm backfilled with 10 yds. Fencing 24x24 Netting NO
	Signature of Specialist: James Frances (SP3191) 03/16/94



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

•	Field ID	Lab ID
SAMPLE NUMBER:	JP65	947689
MTR CODE SITE NAME:	95704	Mesatwin Mounds #2-30
SAMPLE DATE TIME (Hrs):	10-23-95	1600
PROJECT:	PhaseI	
DATE OF TPH EXT. ANAL.:	10/25/35	
DATE OF BTEX EXT. ANAL.:	10/24/95	10/24/95
TYPE DESCRIPTION:	VG	Free Sud Coby
		J.

Field Remarks:	F	iel	d l	R	er	na	ir	ks	:
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RESULTS

PARAMETER	RESULT	UNITS		QUALIFIE	:RS	
		Articles of the account	DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	8.4	MG/KG				
TOTAL XYLENES	42.6	MG/KG				
TOTAL BTEX	51.0	MG/KG				
TPH (418.1)	4220	MG/KG			2,05	28
HEADSPACE PID	187	PPM				
PERCENT SOLIDS	83,4	%				

TPH is by EPA Method	418.1 and BTEX is by EPA	Method 8020
97%	_	

The Surrogate Recovery was at	47%	for this sample	All QA/QC was acceptable.	
DF = Dilution Factor Used				
Approved By:			Date: _/O = 26 - 85	

BTEX SOIL SAMPLE WORKSHEET

Fil	e :	947689	Date Printed :	10/25/95	
Soil Mas	13/	4.94	Multiplier (L/g) :	0.00101	
Extraction vo	• •	10	CAL FACTOR (Analytical):	200	
Shot Volum	e (uL) :	50	CAL FACTOR (Report):		
			DILUTION FACTOR:	1	Det. Limit
Benzene	(ug/L) :	0.95	Benzene (mg/Kg):	0.192	0.506
Toluene	(ug/L) :	0.00	Toluene (mg/Kg):	0.000	0.506
Ethylbenzene	(ug/L) :	41.54	Ethylbenzene (mg/Kg):	8.408	0.506
p & m-xylene	(ug/L) :	168.63	p & m-xylene (mg/Kg):	34.136	1.012
o-xylene	(ug/L) :	41.63	o-xylene (mg/Kg):	8.427	0.506
			Total xylenes (mg/Kg):	42.563	1.518
			Total BTEX (mg/Kg):	51.163	

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

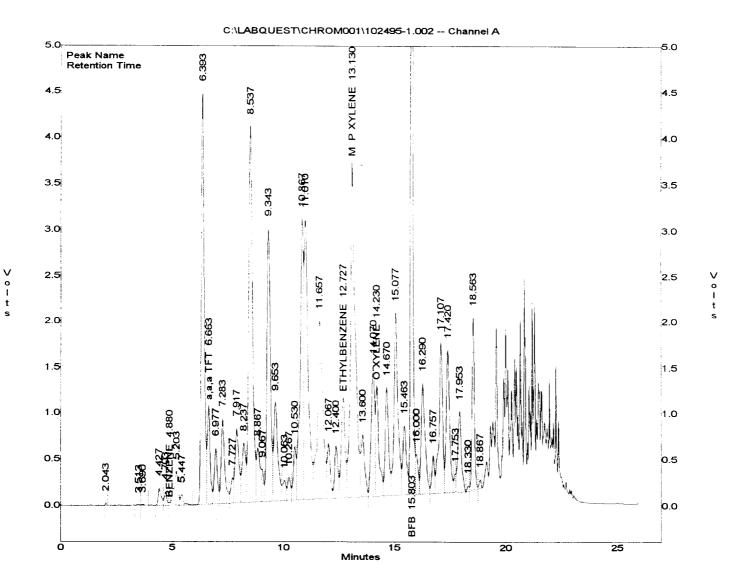
File : C:\LABQUEST\CHROM001\102495-1.002 Method : C:\LABQUEST\METHODS\1-101395.MET

Sample ID : 947689,4.94G,50U Acquired : Oct 24, 1995 14:05:25 Printed : Oct 24, 1995 14:31:53

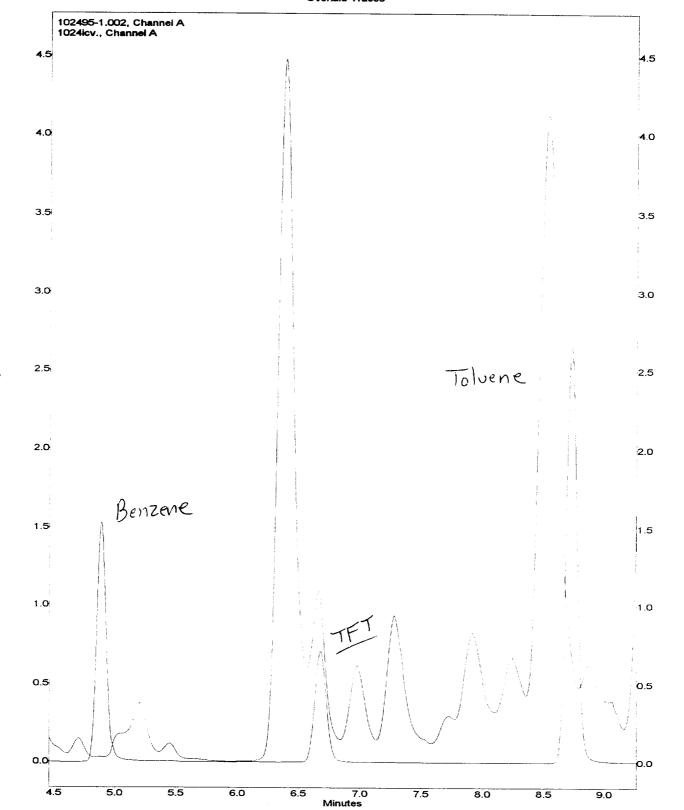
User : MARLON

Channel A Results

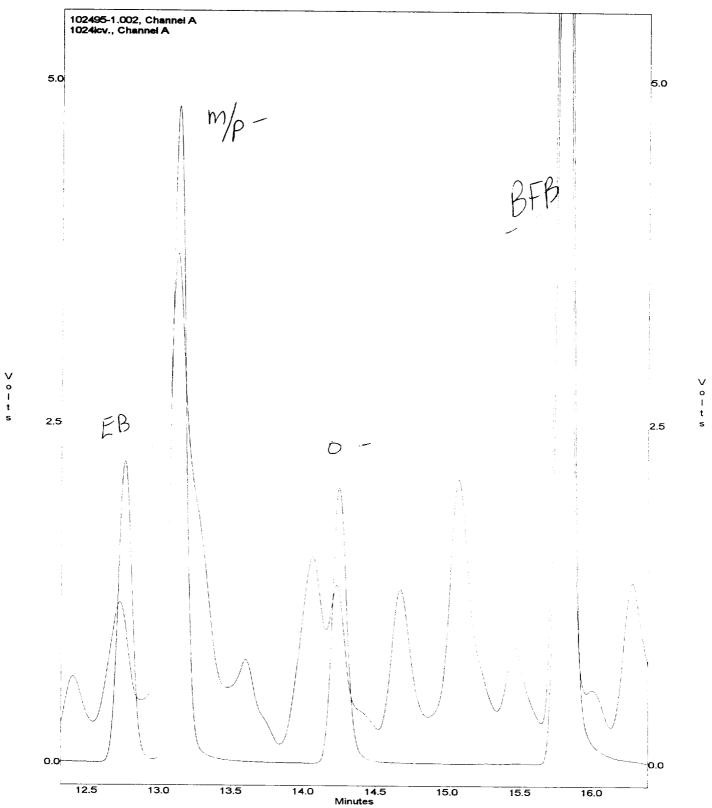
COMPONENT	RET TIME	AREA	CONC (ug/L)
			
BENZENE	4.880	149839	0.9507
a,a,a TFT	6.663	9313823	207.9271
TOLUENE	8.717	0	0.0000
ETHYLBENZENE	12.727	12677903	41.5360
M & P XYLENE	13.130	54232160	168.6295
O XYLENE	14.230	12227833	41.6341
BFB	15.803	66541140	96.5460



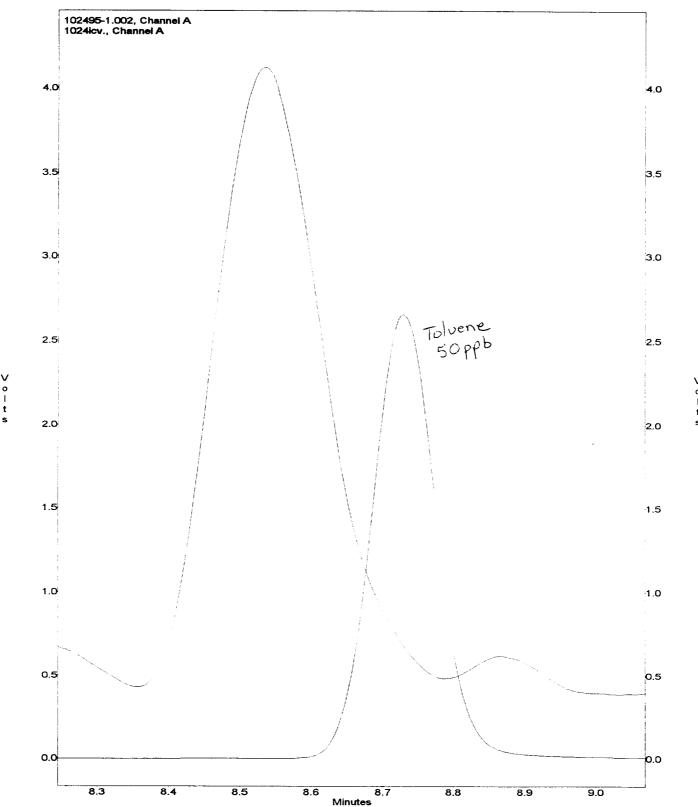












95/10/25 14:57

Sample identification 947689

Initial mass of sample, g $2.050\,$

Volume of sample after extraction, ml 28.000

Petroleum hydrocarbons, ppm 4223.099 Net absorbance of hydrocarbons (2930 cm-1) 0.534

