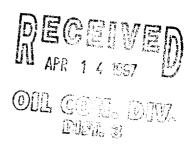
DEPUTY OIL & GAC INSPECTOR

DEC 2 9 1897

DEC % 9 1887

Meter Number:94125 Location Name:WARREN G #35-1 Location:TN-25 RG-06 SC-35 UL-K 3 - Navajo

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:

Sandstone 10^{-9} to 10^{-13} cm/sec Shale 10^{-12} to 10^{-16} cm/sec Clay 10^{-12} to 10^{-15} cm/sec

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.

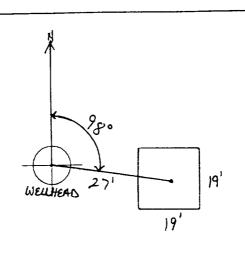
Based on the above information, it is highly unlikely that any source material will impact groundwater or ever find an exposure pathway to affect human health and therefore El Paso Field Services Company (EPFS) requests closure of this pit location.

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 94125 Location: WARREN 6#35-1 Operator #: Operator Name: WREEN OF P/L District: Coordinates: Letter: K Section 35 Township: 25 Range: 6 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 2.7.95 Area: Run: 52				
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM □ (1) State □ (2) Fee □ (3) Indian ∑ICARILLA APACHE				
	Depth to Groundwater Less 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)				
	(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				
Rhsi	Remarks: REPUNE ; TOPO SHOW LOCATION OUTSIDE U.Z. TWO PITS ON LOCATION. LOCATION DRIP PIT BELONGS TO EPNG. WILL CLOSE PIT.				
REMARKS	PUSH /N (SP3190) 04/08/94				

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North 98° Footage from Wellhead 27'



PHOTOS- 1004

Completed By:

Der Champeon Signature 2.7.95

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 94/25 Location: Wacren 6#35-/ Coordinates: Letter: K Section 35 Township: 25 Range: 6 Or Latitude Longitude Date Started: 1/8/95 Run: 06 52
FIELD OBSERVATIONS	Sample Number(s): Sample Depth: S Feet
CLOSURE	Remediation Method: Excavation
REMARKS	Remarks: This Pit was a Push IN Fence size 22x22 = 484 sq st Not yes 484 sq st More than 100' from Ethemral Strem EPN.6 on Site Signature of Specialist: Jame K. Kiny



FIELD SERVICES LABORATORY **ANALYTICAL REPORT**

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

	SAMPLE	IDENTIFICA	TION	<u> </u>		
	Field	ID		Lab ID		
SAMPLE NUMBER:	JK128		947	761		
MTR CODE SITE NAME:	94125	Warren 6 # 35-1				
SAMPLE DATE TIME (Hrs):	11-08-95	5	1150			
PROJECT:	Phase I N	lavajo				
DATE OF TPH EXT. ANAL.:		105				
DATE OF BTEX EXT. ANAL.:	11/9/95	/	11/9/95			
TYPE DESCRIPTION:	VG		BROWN 85	AND 4 DIA	<i>î</i> /	
Field Remarks:		(leadis)				
		RESULTS		<u> </u>		·
PARAMETER	RESULT	UNITS	DF	QUALIFI	ERS M(g)	V(ml)
BENZENE	<i>4</i> 0.5	MG/KG				
TOLUENE	4 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	2.0	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	3240	MG/KG	1000	Nassa versas "	2.0	78
HEADSPACE PID	106.1	РРМ				
PERCENT SOLIDS	94.5	%				
ne Surrogate Recovery was at arrative:	TPH is by EPA Method	418.1 and BTEX is by for this samp		was accept	able.	
F Dilution Footor Head						

BTEX SOIL SAMPLE WORKSHEET

Fil	e :	947761	Date Printed :	11/10/95
Soil Mas	s (g):	4.98	Multiplier (L/g) :	0.00100
Extraction vol. (mL):		10	CAL FACTOR (Analytical):	200
Shot Volum	e (uL) :	50	CAL FACTOR (Report):	0.20080
			DILUTION FACTOR:	1 Det. Limit
Benzene	(ug/L) :	0.13	Benzene (mg/Kg):	0.026 0.502
Toluene	(ug/L) :	0.84	Toluene (mg/Kg):	0.169 0.502
Ethylbenzene	(ug/L) :	2.45	Ethylbenzene (mg/Kg):	0.492 0.502
p & m-xylene	(ug/L) :	8.18	p & m-xylene (mg/Kg):	1.643 1.004
o-xylene	(ug/L) :	2.01	o-xylene (mg/Kg):	0.404 0.502
			Total xylenes (mg/Kg):	2.046 1.506
			Total BTEX (mg/Kg):	2.733

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

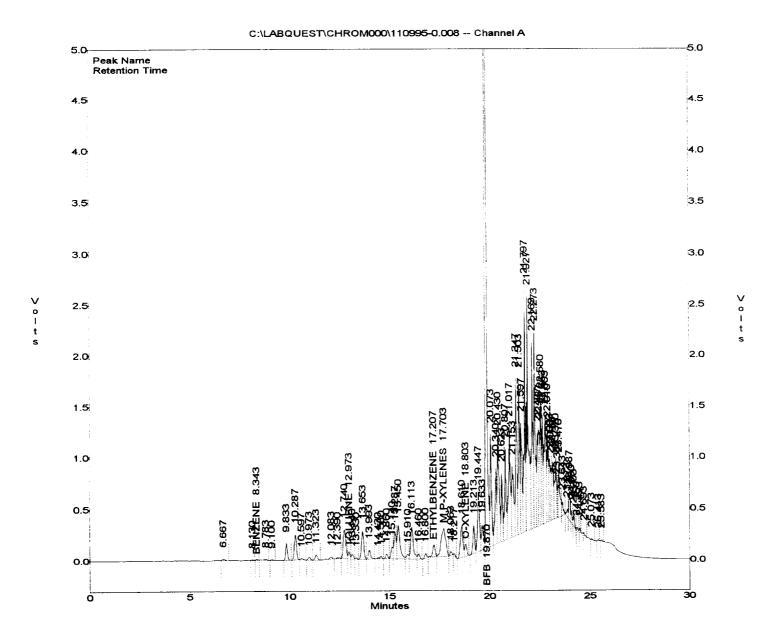
File : C:\LABQUEST\CHROM000\110995-0.008 Method : C:\LABQUEST\METHODS\0-110295.MET

Sample ID : 947761,4.98G,50U Acquired : Nov 09, 1995 16:21:56 Printed : Nov 09, 1995 16:52:22

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	8.343	62348	0.1278
TOLUENE	12.973	455304	0.8443
ETHYLBENZENE	17.207	1093852	2.4456
M, P-XYLENES	17.703	4382296	8.1766
O-XYLENE	18.803	915109	2.0117
BFB	19.870	57762524	109.2803



95/11/09 14:58

Sample identification 947761

Initial mass of sample, g 2.000

Volume of sample after extraction, ml

Petroleum hydrocarbons, ppm 3236.597

Net absorbance of hydrocarbons (2930 cm-1)

0.402

