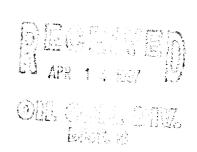


UEC 25 TEST

Meter Number:74337
Location Name:QUITZAU #9
Location:TN-25 RG-08
SC-11 UL-M
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:

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

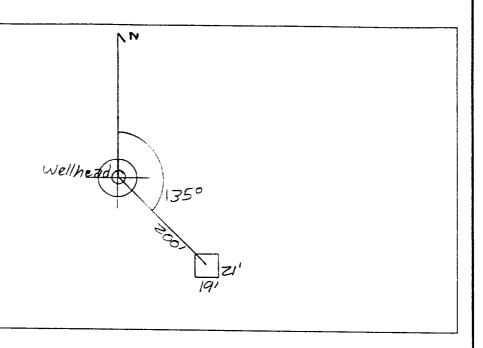
GENERAL	Meter: 74-337 Location: Quitzau No. 9 Operator #: 2999 Operator Name: Meridian P/L District: Ballard Coordinates: Letter: M Section II Township: 25 Range: 8 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 7/28/94 Area: 07 Run: 92						
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside Outside (2) Indian Depth to Groundwater Less Than 50 Feet (20 points) Greater Than 100 Ft (0 points) 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) Greater Than 1000 Ft (0 points) (2) Greater Than 200 Ft (20 points) (3) Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) (3) Name of Surface Water Body Surface Water Body Surface Water Body Surface Water Body Points (3) Total Hazard Ranking Score: Points						
RKS	Remarks: Redline Book - Outside, VI						
REMARKS	Two pits, on site, location drip pit is dry, will close one pit						
<u> </u>	PUSH IN						

LOCATION	
PIT	
ORIGINAL	

REMARKS

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North <u>135°</u>Footage from Wellhead <u>200'</u> b) Length : <u>19'</u> Width : <u>21'</u> Depth : <u>3'</u>



~ -	
Remarks	•
Itcilial V2	٠

Pictures @ 1540 (9-12, RollZ)
Dump Truck

Meter is temporarily abandoned.

Completed By:

Signature

FILLD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 7433> Location: Quitzeo # 9 Coordinates: Letter: M Section II Township: 25 Range: 8 Or Latitude Longitude Date Started: 10-10-94 Run: 07 92
FIELD OBSERVATIONS	Sample Number(s): \$\sum \forall \foral
CLOSURE	Remediation Method : Excavation
)	Envirotech Tierra Other Facility Name: Pit Closure Date: 10-10-94 Pit Closed By: 13EZ
REMARKS	Remarks: 8' Bentonyte
	Signature of Specialist: Vale Wilson



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

	OAIIII EE 13	LITTIOA				
	Field ID			Lab ID		
SAMPLE NUMBER:	vw 390		9463	72		
MTR CODE SITE NAME:	74337			N/A		
SAMPLE DATE TIME (Hrs):	10-10-94		<u>ي</u>	30		
SAMPLED BY:	N/A					
ATE OF TPH EXT. ANAL.:	10-13-	-94				
TE OF BTEX EXT. ANAL.:	DIA		N / V		: 26	
TYPE DESCRIPTION:	VG		Brown frue Sand & Many			
	RE	SULTS				
PARAMETER	RESULT	UNITS	DF	QUALIF	IERS M(g)	V(ml)
TPH (418.1)	370	MG/KG			1.99	28
HEADSPACE PID	163	PPM				19.1 19.1
PERCENT SOLIDS	93.1	%%				
	1	PH is by EPA Method	i 418.1 ···			
rative:						
= Dilution Factor Used						
6				,	,	

4/10/13 11:50

Sample identification 46372

Initial mass of sample, g .990

Volume of sample after extraction, ml

Fetroleum hydrocarbons, ppm :69.714 Net absorbance of hydrocarbons (2930 cm-1) :.055 ILLEGIBLE

