Commercial CAR INSPECTOR

Meter Number:70122

Location Name: SHANE GAS COM #1 (PIT 1)

Location:TN-29 RG-09 SC-14 UL-J

2 - Federal
NMOCD Zone:OUTSIDE

Hazard Ranking Score:00

1) PEON NO.

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: 70122 Location: SHAVE 6AS COM # (Pit) Operator #: 0203 Operator Name: Amoco P/L District: Boomfied Coordinates: Letter: J Section // Township: 29 Range: 9 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Assessment Date: 5-13-94 Area: 10 Run: 92						
SITE ASSESSMENT	NMOCD Zone: (From NMOCD (From NMOCD Maps) Inside Outside (I) Fee (3) Outside (I) Fee (3) Outside (I) Depth to Groundwater Less Than 50 Feet (20 points) (I) 50 Ft to 99 Ft (10 points) (I) (I) 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? (I) YES (20 points) (I) 200 Ft to 1000 Ft (20 points) (I) 200 Ft to 1000 Ft (10 points) (I) 200 Ft to 1000 Ft (10 points) (Surface Water Body (Surface Water Body: Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds) Distance to Nearest Ephemeral Stream (I) < 100'(Navajo Pits Only) (I) TOTAL HAZARD RANKING SCORE: POINTS						
REMARKS	Remarks: FOUR PITS ON COCATION, TWO PITS TORE CLOSED (NEAR METERALOUSE). REDUNE + TOPO OUTSIDE ZONE						

	ı	
ORIGINAL, PIT LOCATION	OIN	ORIGINAL PIT LOCATION Original Pit: a) Degrees from NorthZ5_0 Footage from Wellhead
	l i	N 25 151
REMARKS	R	emarks: PHOTOGRAPHS AH-3(5-9)
	Со	mpleted By:
		Signature Date

FIEL PIT REMEDIATION/CLOSUL FORM

GENERAL	Meter: 10/12 Location: Shank Gas Com #1 - (P; + 1) Coordinates: Letter: T Section 14 Township: 29 Range: 9 Or Latitude Longitude Date Started: 6-24-54 Area: 10 Run: 92								
FIELD OBSERVATIONS	Sample Number(s): MK 34 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5								
CIOSTIRE	Soil Disposition: Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 6-24-94 Pit Closed By: BET								
0210131110	Remarks: EFNG lines Marked Brown Soil Low HYDrocrabon Coor H.+ Sand Steve 3 Signature of Specialist: Mugan Killian (SP3191) 04/07/94								



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	SAIVIPLE IL							
	Field ID			Lab ID				
SAMPLE NUMBER:	m 14 35		945517					
MTR CODE SITE NAME:	70122 (2:41)		N/A					
SAMPLE DATE TIME (Hrs):			1145					
SAMPLED BY:	SAMPLED BY:			N/A (/2:2)/a(/				
DATE OF TPH EXT. ANAL.:	6/27	194	W # 1147					
DATE OF BTEX EXT. ANAL.:	Ala		N 1	MA Control	MICIA	/		
TYPE DESCRIPTION:	VG Couse Brown Sand C					r		
REMARKS:								
	R	ESULTS						
PARAMETER	RESULT UNITS		QUALIFIERS DF Q M(g) V(ml)					
BENZENE		MG/KG						
TOLUENE		MG/KG						
ETHYL BENZENE		MG/KG	;					
TOTAL XYLENES		MG/KG						
TOTAL BTEX		MG/KG				20		
TPH (418.1)	3100	MG/KG			1,96	28		
HEADSPACE PID	247	PPM						
PERCENT SOLIDS	928 -TPH is by EPA Method 41	%	Method 8020 -					
he Surrogate Recovery was at arrative:	— TPH is by EPA Method 41	% for this samp	le All QA/QC	was acce	ptable.			

F = Dilution Factor Used

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Test Me od for 011 and Grease and Fedroleum Hydrocarbons in Water and Soil * Perkin-Elmer Model 1600 FT-IR Analysis Report 4/06/27 14:35 Rample identification sour ficial rees of earole g in dilangga gari sagagari kalangga propadi kalangga dilangga saga Bilangga Tile tempri i lessa litera i morto excitorio e la litera. Democritim . The first community of the figure 1 community and the first community of the first commun - 전략되었다. - 전략되었다. - 대표한 보고 보다 .: 13