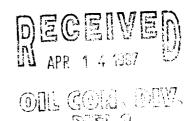
DEPUTY OF SCHOOL TOR

DEC 2 9 1997

Meter Number: 90089
Location Name: JICARILLA 30 #7
Location: TN-25 RG-04
SC-30 UL-0
6 - Jicarilla

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: 90089 Location:					
SITE ASSESSMENT	NMOCD Zone: Land Type: BLM (1) (From NMOCD State (2) Maps) Inside (1) Fee (3) Outside (2) Indian Tractila Depth to Groundwater Apache 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) ☐ (1) 200 Ft to 1000 Ft (10 points) ☐ (2) Greater Than 1000 Ft (0 points) ☑ (3) Name of Surface Water Body					
	(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					
	TOTAL HAZARD RANKING SCORE: POINTS					
REMARKS	Remarks: Redline VZ- outside Topo VZ-outside					
MA	Pit is dry					
RE	PIT IS dry					
, - -						

Z	ORIGINAL PIT LOCATION Original Pit: a) Degrees from North 258 Footage from Wellhead 127 b) Length: 18 Width: 17 Depth: 3
ORIGINAL PIT LOCATION	Wellhead 17' 2580
	Remarks:Photos- Roll#1 #13-16
REMARKS	
	Completed By: 7-15-94

Date

Signature

FIELD PIT REMEDIATION/CLOSURE FORM

Sample Number(s): 5/84 Sample Depth: //2 Feet Final PID Reading	GENERAL	Meter: 90089 Location: Sicarilla 30 Well #7 Coordinates: Letter: Section 30 Township: 251/Range: 4W Or Latitude Longitude Date Started: 9/20/95 Run:
Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Pit Closure Date: 9-22-95 Remarks: P.T. Fiel Reachings (11-43) (5-25.3) (6-6.8) (W-200) Pit Size (24x18x16) Fence Size 25x22x3 Signature of Specialist: L. Min Signature of Specialist: L. Min Approx. Cubic Yards 264 LT 91/85 Approx. Cubic Yards 264 LT 91/85 FROM Signature Size approved Plant From Ethemyal Strem Signature of Specialist: L. Min Signature of Specialist: L. Min Signature Size 25x22x3 Signature of Specialist: L. Min Particular Size 264 LT 91/85 Approx. Cubic Yards 264 LT 91/85 FROM Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Approx. Cubic Yards 264 LT 91/85 Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Approx. Cubic Yards 264 LT 91/85 FROM Signature Size 25x22x3 Approx. Cubic Yards 264 LT 91/85 Approx. Size 25x24 Approx. Size 25x24 Approx. Cubic Yards 264 LT 91/85 Approx. Size 25x24 Approx. Size 25x24 Approx. Size 25x24 Approx. Cubic Yards 264 Approx. Size 25x24 Appro		Sample Depth: Feet Final PID Reading 3 3 PID Reading Depth Feet Yes No
Remarks: P.T. Prod. Readings (1-43) (5-25.3) (6-68) (W-20.0) P. t. Size (24x18x16) Fence 5/ze 25x22x3 No Net Mose than 100 Fast From Ethemral Strem Signature of Specialist: L. King	SU	Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Name: Approx. Cubic Yards 264 LT 9/21/95 I Jiarilla E.P.O. approved Clasure 9-21-95 Tierra
	REMARKS	Remarks: P.J. Fiel Reactings (N-43) (5-25.3) (6-68) (W-200) Pit Size (24×18×16) Fence Size 25×22×3 Mose Than 100 Foot From Ethemral Strem

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID	
SAMPLE NUMBER:	JK84	947.504	
MTR CODE SITE NAME:	90089	Ticanlla 30 Will#7	
SAMPLE DATE TIME (Hrs):	09-20-95	1047	
PROJECT:	: Jee Pito		
DATE OF TPH EXT. ANAL.:	9-42-95		
DATE OF BTEX EXT. ANAL.:	9/21/95	4/22/95	
TYPE DESCRIPTION:	Y6	light (you) and I along	

Field Remarks: $(N-4.3)(5-25.3)(E-6.8)(\omega-20.0)$

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
Albalicien			DF	Q	M(g)	V(ml)
BENZENE	4 0.5	MG/KG				
TOLUENE	4 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	4 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	17./	MG/KG			人でよ	メテ
HEADSPACE PID	3.3	PPM				
PERCENT SOLIDS	37.4	%				

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

The Surrogate	Recovery	was	at
8141			

for this sample All QA/QC was acceptable.

Narrative:

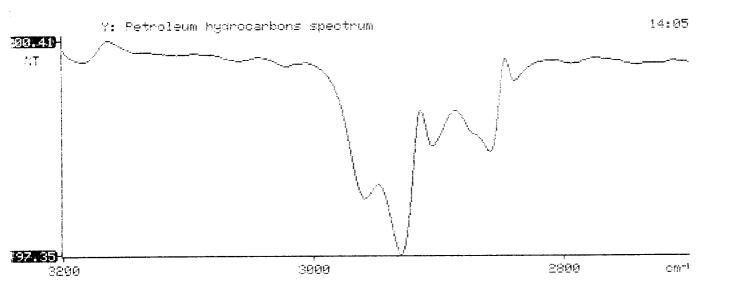
95/09/22 14:05

Sample identification 947504

Initial mass of sample, g 2.020

Volume of sample after extraction, ml 28.000

Petroleum hydrocarbons, ppm 17.130 Net absorbance of hydrocarbons (2930 cm-1) 0.012



BTEX SOIL SAMPLE WORKSHEET

File	e :	947504	Date Printed :	9/25/95
Soil Mas	s (g):	4.95	Multiplier (L/g) :	0.00101
Extraction vo	l. (mL) :	10	DF (Analytical) :	200
Shot Volum	e (uL):	50	DF (Report) :	0.20202
				Det. Limit
Benzene	(ug/L) :	0.00	Benzene (mg/Kg):	0.000 0.505
Toluene	(ug/L) :	0.22	Toluene (mg/Kg):	0.044 0.505
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene (mg/Kg):	0.000 0.505
p & m-xylene	(ug/L) :	0.29	p & m-xylene (mg/Kg):	0.059 1.010
o-xylene	(ug/L) :	0.00	o-xylene (mg/Kg):	0.000 0.505
•			Total xylenes (mg/Kg):	0.059 1.515
			Total BTEX (mg/Kg):	0.103

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\092295-2.005 Method : C:\LABQUEST\METHODS\9001.MET

Sample ID : 947504,4.95G,50U Acquired : Sep 22, 1995 16:08:13 Printed : Sep 22, 1995 16:34:37

User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	4.917	0	0.0000
a,a,a TFT	6.730	4810142	104.1894
TOLUENE	8.777	61616	0.2219
ETHYLBENZENE	12.743	0	0.0000
M & P XYLENE	13.180	95027	0.2868
O XYLENE	14.200	0	0.0000
BFB	15.867	75275904	103.8443

