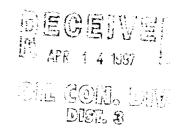
DEPUTY ON & CAS INSTECTOR

Meter Number:95793 Location Name:DRYDEN LS 4A Location:TN-27 RG-08

DEC 2 9 1997

SC-12 UL-F
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.



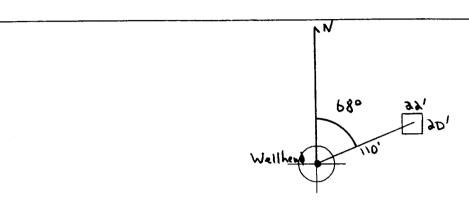
FIELD PIT SITE ASSESSMENT FORM

	GENERAL	Meter: 95793 Location: Dryten LS 4A Operator #: Oad3 Operator Name: Amoro P/L District: Bland Coordinates: Letter: E Section 12 Township: 27 Range: 8 Or Latitude Longitude Pit Type: Dehydrator Location Drip: Line Drip: Other: Site Assessment Date: 6/4/94 Area: 03 Run: 32
REMARKS	J. C.	NMOCD Zone: (From NMOCD Maps) Inside Outside Outsid
		PUSH-IN

RIGINAL PIT LOC	ATION
MAL	100
RIGINAL	PIT
	ORIGINAL

ORIGINAL PIT LOCATION

Original Pit: a) Degrees from North <u>68°</u> Footage from Wellhead <u>110'</u> b) Length: <u>32'</u> Width: <u>20'</u> Depth: <u>4'</u>



	Remarks: - Pictures @ 1554 (5-8) END Dung
RKS	
REMARKS	
; I	

Completed By:

Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: 95793 Location: Dryoen LS #4A Coordinates: Letter: F Section 12 Township: 27 Range: 8 Or Latitude Longitude Date Started: 8-17-94 Run: 03 32
FIELD OBSERVATIONS	Sample Number(s):



FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Outside the GWV Zone

SAMPLE IDENTIFICATION

945961 N/A
1450
9/18/91
n lw
Sypusy Chan Same
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	RESULTS	,

REMARKS:

PARAMETER	RESULT	UNITS	DF	QUALIFI	ERS M(g)	V(ml)
TPH (418.1)	28/	MG/KG			1.95	28
HEADSPACE PID	128	PPM				
PERCENT SOLIDS	499.te	89.2 %				

-- TPH is by EPA Method 418.1

	TPH is by EPA Method 410.1
'arrative:	
F = Dilution Factor Used	
Approved By:	Date: <u>4/44</u>

Test Method for Oil and Grease and Petroleum Hydrocarbons in Water and Soil

Perkin-Elmer Model 1600 FT-IR Analysis Report *************************

14/09/19 14:10

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