

Maddox WN Federal #2 Meter/Line ID - 75238

SITE DETAILS

Legals - Twn: 30N

Rng: 13W

Sec: 12 Unit: M

NMOCD Hazard Ranking: 10

Land Type: BLM

Operator: Conoco

Pit Closure Date: 04/20/94

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to twelve feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for benzene, total BTEX, and TPH. Groundwater was not encountered in the test pit. The test pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 443 ppm; laboratory analysis indicated a benzene concentration of 0.75 mg/kg, a total BTEX concentration of 182 mg/kg, and a TPH concentration of 961 mg/kg. This site was re-assessed on April 8, 1998, because the initial assessment incorrectly included washes as a surface water body.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for six years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Groundwater was not encountered in the test excavation. In addition, the estimated depth to groundwater is greater than 50 feet; therefore, impact to groundwater is unlikely.
- There are no water supply wells or other sources of fresh water extraction within 1.000 feet of the site
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.
- Based on the Hazard Ranking Score, benzene and TPH concentrations were below required remediation levels.

ATTACHMENT

Revised Field Pit Assessment Form Field Pit Remediation/Closure Form

Field Pit Assessment Form Laboratory Analytical Results

REVISEDFIELD PIT SITE ASSESSMENT FORM

	Meter: 75238 Location: Maldox WN	Federal #2	
GENERAL	Operator #: Operator Name:	P/L District:	
ER	Coordinates: Letter: M Section 12 To	wnship: <u>30</u> Range: 1	3
Ë	Latitude Longitud	e	i
9	Dit Type: Dehydrator Location Drip:	Line Drip: (Other:
	Site Assessment Date: 4/8/93	Area: Run:	
		I Turner DIM	X (1)
	MINOCE BOILE.	Land Type: BLM State	
	(From NMOCD	(1) Fee	
	Maps) Inside	(2) Indian	<u> </u>
	Juiside	(
	Depth to Groundwater	(1)	
	Less Than 50 Feet (20 points)	(2)	
	20 kt to 33 kt (10 homes)	(3)	
	Greater Than 100 Ft (0 points)		
	Wellhead Protection Area Is it less than 1000 ft from wells, springs or ot	her sources of fresh water	
Æ	extraction?, or; Is it less than 200 ft from a pri	vate domestic water source	e?
ASSESSME	(1) YES ((20 points) $(2) N$	O (0 points)
SSI	Horizontal Distance to Surface Water Body		
2	Less Than 200 Ft (20 points)	(1)	
ITE	200 Ft to 1000 Ft (10 points)	(2)	
S	Greater Than 1000 Ft (0 points)	(3)	
	Name of Surface Water Body		
	(Surface Water Body: Perennial Rivers, Stream	s, Creeks, Irrigation Canal	S,
	Ditches, Lakes, Ponds)		
	Distance to Nearest Ephemeral Stream		vajo Pits Omy)
		(2) > 100'	
	TOTAL HAZARD RANKING SCORE:	O POINTS	
S	g: 1 han re aggegged due	to initial assessment inclu	ding washes
UKS.	as a Surface Water Body. Site is /10	D' vertical trom ce.	nter of
\leq	Formington Glade Wash.		
REM			(assess) 12/16/97
	-1-		• •



FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 75238 Location: MANOOX WN FEDERAL #2 Operator #: 0286 Operator Name: Conoco P/L District: Kurz Coordinates: Letter: M Section 12 Township: 30 Range: 13 Or Latitude Longitude Pit Type: Dehydrator X Location Drip: Line Drip: Other: Site Visit Date: 3.24.94 Run: 02 31
SITE ASSESSMENT	NMOCD Zone: Inside
REMARKS	Remarks: Two PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY.

(SP3190) 03/16/94

	ORIGINAL PIT LOCATION
TION	Original Pit : a) Degrees from North Footage to Wellhead b) Degrees from North Footage to Dogleg Dogleg Name c) Length : Width : Depth :
ORIGINAL PIT LOCATION	W. Jos
REMARKS	Remarks: STARTED TAKING PICTURES AT 2:31 P.M. END DUMP
	Completed By: Signature Completed By: 3.24.94 Date

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 75238 Location:MADDOX_ WN FEDERAL #2 Operator #: Operator Name: P/L District: Coordinates: Letter: Section Township: Range: Or
	NMOCD Zone: (From NMOCD Maps) Inside Outside Outside Land Type: BLM State (2) Fee (3) Indian Denth to Croundwater
	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)
ASSESSMENT	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)
SITE ASS	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
RKS	Remarks :
EMARKS	

FIF PIT REMEDIATION/CLOSTE FORM

GENERAL	Meter: 75738 Location: MaDDax Wn Feberal #2 Coordinates: Letter: M Section 12 Township: 30 Range: 13 Or Latitude Longitude Date Started: 4-20-91 Area: 62 Run: 31
FIELD OBSERVATIONS	Sample Number(s): KD13 Sample Depth: 12′ Feet Final PID Reading 443 Ppm PID Reading Depth 12′ Feet Yes No Groundwater Encountered (1) (2) Approximate Depth Feet
SURE	Remediation Method : Excavation
CLOS	Envirotech (1) (3) Tierra Other Facility (2) Name: Pit Closure Date: 4-70-94 Pit Closed By: BET
REMARKS	Remarks: Dug test hole, took PID Reading + Closed pit
IME	Signature of Specialist: Homy Dem



FIELD SERVICES LABORATORY

	FIFT D SERVI	al Gas Co l CES LABOR	RATORY	c	BTE Sg/	X 30n1m
	ANALYT PIT CLOSU SAMPLE	RE PROJEC	ت T - Soil ا	مه زرمنه که سر نیلود کا	NZ med	007:196
	SAMPLE	IDENTIFICAT	TION			
SAMPLE NUMBER: MTR CODE SITE NAME: SAMPLE DATE TIME (Hrs): SAMPLED BY: DATE OF TPH EXT. ANAL.: DATE OF BTEX EXT. ANAL.: TYPE DESCRIPTION:	7523 4/20/9	3 .8	94083 N 1210	1A 194		
REMARKS:	Rekun BI	FX-0, Sg	Soil an	nd 30)m 17	neoH
PARAMETER	RESULT	UNITS	DF	QUALIF	ERS M(g)	V(ml)
BENZENE 0.75	40.2 M) 5) 17 94 MG/KG			-	
TOLUENE	65.0	MG/KG				
ETHYL BENZENE	11.2	MG/KG			-	
TOTAL XYLENES	106	MG/KG			-	
TOTAL BTEX	182	MG/KG	0.05882		0.51	30
TPH (418.1)	961	MG/KG				
HEADSPACE PID	443	PPM				
PERCENT SOLIDS	94.8	%	1			
he Surrogate Recovery was at arrative:	-TPH is by EPA Method 4	418.1 and BTEX is by EPA % for this samp	le All QA/QC	was accep	table.	
Dilution Factor Used	<u></u>					



FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab 10 940839
SAMPLE NUMBER:	LDI 3	17000
MTR CODE SITE NAME:	75 238	12.10
SAMPLE DATE TIME (Hrs): SAMPLED BY:	NIA	4-27-94
DATE OF TPH EXT. ANAL.:	4-27-94 4/29/44	4/30/44
DATE OF BTEX EXT. ANAL.: TYPE DESCRIPTION:	V&	Coarse Brown Sand
REMARKS:	wrong Vial Spiked-	-BIEX ->rerun

RESULTS

		UNITS		QUALIF	IERS		
PARAMETER	RESULT		DF	Q	M(g)	V(ml)	
BENZENE	1.08	MG/KG	23				
TOLUENE	106	MG/KG	20	DL			
ETHYL BENZENE	21.10	MG/KG	20				IDF
TOTAL XYLENES	-31	MG/KG	20	DI			20
TOTAL BTEX	440	MG/KG	.5042		1.19	30	120
TPH (418.1)	14267 961	MG/KG			2.03	28	-
HEADSPACE PID	443	PPM					-
PERCENT SOLIDS	94.8%	%					
	TPH is by EPA Method	418.1 and BTEX is by E	PA Method 8020 -		ntable		

The Surrogate Re	ecovery was at	101.1 % f	or this sample	All QA/QC was acceptable.
DF = Dilution Fa	actor Used			Date:
Approved By:				Date:

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	PROJECT NUMBER SAMPLERS: (Signature)	PROJECT NAME Pit Close	OSURE F	PROJECT NAME Pit Closure Project # 24324	UMBER SHJUNERS			REQUESTED ANALYSIS		CONT > ACT LABORATORY P. O. NUMBER
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