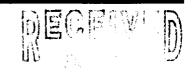
EL PASO FIELD SERVICES PRODUCTION PIT CLOSURE

DECIMENTS

Zinch States

MANSFIELD #5 Meter/Line ID - 73396



SITE DETAILS

Rng: 09 Sec: 28

Unit:

Land Type: 2 - Federal Pit Closure Date: 05/06/94

何肌

Legals - Twn: 30 Rng: 0 NMOCD Hazard Ranking: 30 Operator: MERIDIAN OIL INC

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

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

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will
 naturally degrade in time with minimal risk to the environment.

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 73396 Location: MANSFIELD #5 Operator #: 2999 Operator Name: MERIDIAN Coordinates: Letter: Section 28 Township: 30 Range: 9 Or Latitude Longitude Pit Type: Dehydrator Location Drip: X Line Drip: Other: Site Assessment Date: 4.19.94 Area: 10 Run: 43 33 4.24.94
	NMOCD Zone: Land Type: BLM ⋈ (1) (From NMOCD) State (2) Maps) Inside ⋈ (1) Fee (3) Outside (2) Indian
ASSESSMENT	Greater Than 100 Ft (0 points) (3) Wellhead Protection Area: Is "t 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
REMARAS	Remarks: ONLY PIT ON LOCATION. PIT IS DRY, LOCATION IS ON A MESA. DO NOT KNOW WHY THIS LOCATION IS IN THE WATER VULNERABLE ZONE.

ORIGINAL PIT LOCATION	ORIGINAL PIT LOCATIO Original Pit : a) Degrees from North _298° For b) Length :21' Width :19	otage from Wellhead <u>72'</u>
ORIG	WEITHEAD	
	290	
	Remarks: STARTED TAKING PICTURES AT 10:09 A.M.	
	END DUMP	
REMARKS		
REA		
***	Complete L. D.	
	Completed By:	
	Wolest Champson	4.19.94
	Signature	Date

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: 73396 Location: MANSFIELD #5 Operator #: Operator Name: P/L District: Bloomfield Coordinates: Letter: Section Township: Range: Or					
	NMOCD Zone: (From NMOCD Maps) Inside Outside Land Type: BLM (1) State (2) Fee (3) Indian					
	Depth to GroundwaterLess 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 ASSI	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 REMADA CANYON					
	(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					
MARKS	Remarks :					
MA						

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL		Meter: 13396 Location: MANSFIELD #5 Coordinates: Letter: E Section 28 Township: 30 Range: 9 Or Latitude Longitude Longitude Started: 5-6-94 Area: 10 Run: 433348/19/194
FIELD OBSERVATIONS		Sample Number(s): 6.29 Sample Depth: 12 Feet Final PID Reading 203 PID Reading Depth 12 Fe Yes No Groundwater Encountered (1) (2) Approximate Depth Fe
GIIDO	UKE	Remediation Method: Excavation Onsite Bioremediation Backfill Pit Without Excavation Soil Disposition: Envirotech Other Facility Pit Closure Date: 5.6.94 [X] (1) Approx. Cubic Yards 55 (2) Approx. Tierra (3) (3) Tierra Pit Closed By: BET
	REMARKS	Remarks: Some Line Markers Pit is dirty Started Remediating To 12 Soil is Black Soil Still Black At 10 Pio 203 Signature of Specialist: July Padulla



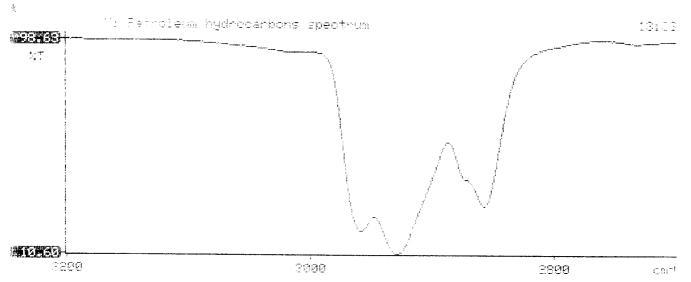
FIELD SERVICES LABORATORY ANALYTICAL REPORT PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION						
SAMPLE NUMBER: SAMPLE NUMBER: MTR CODE SITE NAME: SAMPLE DATE TIME (Hrs): SAMPLED BY: DATE OF TPH EXT. ANAL.: TYPE: DESCRIPTION: Field ID Lab ID N/A N/A N/A N/A 5/10/94 5/10/94 Crey Sand Clay						
REMARKS:				 		
	F	RESULTS	-			
PARAMETER	RESULT	UNITS	DF	QUALIFI	ERS M(g)	V(mi)
BENZENE	20.62	MG/KG				
TOLUENE	38	MG/KG				
ETHYL BENZENE	18	MG/KG				
TOTAL XYLENES	240	MG/KG				
TOTAL BTEX	29~1	MG/KG				
TPH (418.1)	7780	MG/KG		D1	204	28
HEADSPACE PID	203	PPM				
PERCENT SOLIDS	88.4	%				
The Surrogate Recovery was at	—TPH is by EPA Method 4	18.1 and BTEX is by EP. % for this samp		C was accep	table.	
Narrative: Surrogate	recovery	was	outsid	Q AT	I OC	lunits

```
Test Method for

    Iii and Trease and Petroleum Hydrocarbons

              in Water and Soil
         Parkin-Elmer Model 1600 FT-IR
              Analysis Report
94/03/10 AI/T
Sample ider ification
945039
 Thitial mass of sample, g
7.040
x . Volume of sample after extraction, ml
28.000
k Petroleum hydrocarbons, ppm
7781.824
† Net abscrbance of hydrocarbons (2930 cm-1)
o.gaa
Y
de
A
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ATI I.D. 405343

May 27, 1994

El Paso Natural Gas Company 770 W. Navajo Farmington, NM 87401

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On 05/11/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze aqueous and non-aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Client instructed ATI (verbally) to perform a TRPH (418.1) analysis on field ID 945100 (ATI ID 405343-24).

Client instructed ATI (verbally) to continue analysis on field ID 940831 (ATI ID 405343-25) past hold time, as received.

Client was informed that field ID 945085 (ATI ID 405343-01) was received with headspace. Samples were analyzed "as is."

This report is being reissued to correct sample ID's.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.

to bakorn

Project Manager

H. Mitchell Rubenstein, Ph.D. Laboratory Manager

MR:jd

Enclosure



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)

CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 405343

PROJECT # : 24324

PROJECT NAME : PIT CLOSURE

SAMPLE		DATE	DATE	DATE	DIL.
ID. # CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
11 945087	NON-AQ	05/06/94	05/13/94	05/15/94	25
12 945088	NON-AQ	05/06/94	05/13/94	05/15/94	25
1 3 945089	NON-AQ	05/06/94	05/13/94	05/15/94	25
PARAMETER		UNITS	11	12	13
BENZENE		MG/KG	<0.62	<0.62	<0.62
TOLUENE		MG/KG	44	15	38
ETHYLBENZENE		MG/KG	20	8.8	18
TOTAL XYLENES		MG/KG	190	89	240
GIPPOGIED.					
SURROGATE:					
BROMOFLUOROBENZENE (%)			152*	58*	273×

^{*}OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II

RECORD OF SUBSURFACE L... LORATION

Borehole #	BH-1
Well #	
Page 1	C te

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401 (605) 326-2262 FAX (505) 326-2388

Date/Time Completed 5/18/95

Elevation

Borehole Location

GWL Depth

Logged By

CM Chance

Drilled By

Date/Time Started

5/18/15 - 0800

Project Name
Project Number
Project Location
Project Location
Project Location
Project Name

FPNG Plts
Phase b000
Phase b000
Phase b000
Phase b000
Phase b000

Well Logged By
Personnel On-Site
Contractors On-Site
Client Personnel On-Site

Drilling Method 4/4/D HSA
Air Monitoring Method 9/0, Cot

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air U BZ	Monitori nits: NO BH	ing Prom FS	Drilling Conditions & Blow Counts
F				Backfill +0121						
5										
10										
15)	דויט	6"	Gr Silty Sand, vf of Sand, med loose, slineist						-0814
20	3	70-27	4''	Br silvy sump, f-nedsand, med loose, sl moist			3	60	437	- 081 Y
25	3	25-27	4"	AA			3	85	30b 464	-0823
30	4	30-79	5"	AA			& 3	40	131/	-0 <u>8</u> 3)
35	5	15-1)	7 44	AA			+	46	9.3	-0844 0855
40	, 6	40-45	811	Brotty Sand, F-mal Sand, madleso, strong Cal laminations (master)			٥	30	4 \$	०क्षड

Comments:	
	O. J. Singapore

RECORD OF SUBSURFACE . . . 'LORATION

Borehole #	BH-1	
Weil #		
0	at 2	

4000 Monroe Road

Farmington, New Mexico 87401 (505) 326-2262 FAX (505) 326-2388

Elevation

Borehole Location

GWL Depth

Logged By

Drilled By

Date/Time Started

Date/Time Completed

	Page 2 of 2
Project Name	EPNG PITS
Toject Number	14509 Phase 6000 77 Martiel 5 73296
roject Location	Martiel 5 73396
Well Logged By	
Personnel On-Site	
Contractors On-Site	·
Client Personnel On-	-Site
Drilling Method	
Air Monitorina Math	nod

			Sample			Depth				2.00
Depth (Feet)	Sample Number	Sample Interval	Type & Recovery	Sample Description Classification System: USCS	USCS Symbol	Lithology Change		Monitori nits: NDI		Drilling Conditions & Blow Counts
Ì	Number	II II CI V	(inches)			(feet)	вz	nits: NDI BH	Ţs	
40	7	41-47	17,1	Br silvy Sand, vf-f sand, medstiff, simulso (Brdonse Clay inshood dry) TBB 411			٥	as	3/20	-Refusal @41'
45										
55										
30										
7:	5	-								
<u> </u>)				ļ					

Comments:	Sand 41-42' submitted to Lab For TMHA BTEX. CMCID	
	Sangle 41-43' submitted to Lab For TAHA BTEX. CMCID 10- 34# bass Type I II coment, 5-50# by benjours	
	+ 1 1 21 :	



Phase I

FIELD SERVICES LABORATORY ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC12	946821
MTR CODE SITE NAME:	73394	N/A
SAMPLE DATE TIME (Hrs):	5-18-95	6923
SAMPLED BY:		N/A
DATE OF TPH EXT. ANAL.:	5-19-95	5-19-95
DATE OF BTEX EXT. ANAL.:	5-19-95	5-23-95
TYPE : DESCRIPTION:	J (-	Light brown 50. 2 Stones

DELLABUC	
REMARKS:	

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS				
FANAMETER			DF				
BENZENE	20.5	MG/KG					
TOLUENE	20.5	MG/KG					
ETHYL BENZENE	20.5	MG/KG					
TOTAL XYLENES	<1.5	MG/KG					
TOTAL BTEX	∠3.0	MG/KG					
TPH (418.1)	<16 Apr	MG/KG			2.64	296	
HEADSPACE PID	20	PPM					
PERCENT SOLIDS	95.4	%				·	

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

The Surrogate Recovery was at	94.5	_% for this sample	All QA/QC was acceptable
Narrative:			

DF = Dilution Factor Used

MuLaila

\$ 126/9,-

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[1] [1] 全国基本企业的企业 人名马尔特姓氏 化二氯甲酰胺抗激素致致抗激素效应 人名雷克斯拉曼的雷雷雷雷雷雷雷雷克 医异异霉素
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Direct Method to:

Direct Method to:

Direct Method Bush Hymnocanbons

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The Louisian control of the Walned Ambone (RMTD came).
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Capp

2999

BTEX SOIL SAMPLE WORKSHEET

File	:	946821A	Ε	ate Printed	:	5/24/95
Soil Mass (g)	:	5	Multi	plier (L/g)	:	0.00100
Extraction vol. (mL)	:	20	DF	(Analytical)	:	200
Shot Volume (uL)	:	100	DF	(Report)	:	0.20000

						Det. Limit
Benzene	(ug/L) :	0.00	Benzene	(mg/Kg):	0.00	0.500
Toluen e	(ug/L) :	0.00	Toluene	(mg/Kg):	0.00	0.500
Ethylbenzene	(ug/L) :	0.00	Ethylbenzene	(mg/Kg):	0.00	0.500
p & m-xylene	(ug/L) :	0.00	p & m-xylene	(mg/Kg):	0.00	1.000
o-xylene	(ug/L) :	0.00	o-xylene	(mg/Kg):	0.00	0.500
			Total xylenes	(mg/Kg):	0.00	1.500

Total BTEX (mg/Kg): 0.00

EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\946821A Method : C:\LABQUEST\METHODS\9000.MET

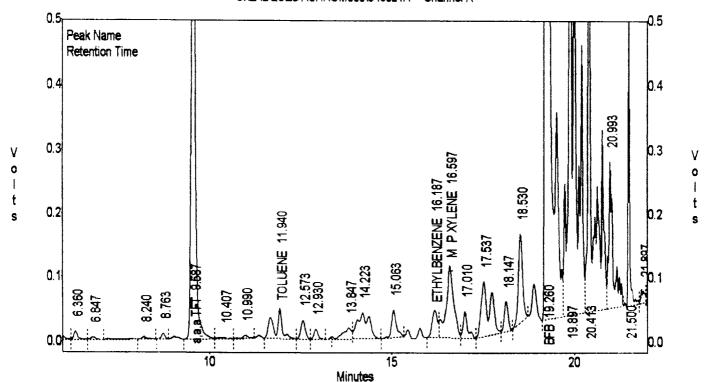
Sample ID : 946821,5.00/100UL Acquired : May 23, 1995 20:06:27 Printed : May 23, 1995 20:32:42

User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.260	0	0.0000
a,a,a TFT	9.587	5675824	88.8114
TOLUENE	11.940	692919	-3.1389
ETHYLBENZENE	16.187	433497	-2.7008
M & P XYLENE	16.597	1655964	-2.4546
O XYLENE	17.750	0	0.0000
BFB	19.260	57664860	94.5364

C:\LABQUEST\CHROM000\946821A - Channel A



EL PASO NATURAL GAS EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM000\946821A Method : C:\LABQUEST\METHODS\9000.MET

Sample ID : 946821,5.00/100UL Acquired : May 23, 1995 20:06:27 Printed : May 23, 1995 20:32:48

User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	7.267	0	0.0000
a,a,a TFT	9.593	322209	107.7382
TOLUENE	11.927	0	0.0000
ETHYLBENZENE	16.197	0	0.0000
M & P XYLENE	16.603	49348	16.1093
O XYLENE	17.720	0	0.0000
BFB	19.263	2214808	101.2576

C:\LABQUEST\CHROM000\946821A - Channel B

