

FIELD PIT SITE ASSESSMENT FORM

DEC 21 1998

RECEIVED
JUL 2 1998
OIL CON. DIV.
P/E District: KUTZ

GENERAL

Meter: 75327 Location: MADDOX C W N FEDERAL COM #1
Operator #: 0286 Operator Name: CONOCO
Coordinates: Letter: N Section 14 Township: 30 Range: 13
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ☒ Location Drip: _____ Line Drip: _____ Other: _____
Site Visit Date: 3-24-99 Run: 02 31

SITE ASSESSMENT

NMOCD Zone: Inside Land Type: BLM ☒
(From NMOCD Vulnerable State ☐
Maps) Zone ☒ Fee ☐
Outside ☐ Indian _____

Depth to Groundwater

Less Than 50 Feet (20 points) ☐
50 Ft to 99 Ft (10 points) ☐
Greater Than 100 Ft (0 points) ☒

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? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body

Less Than 200 Ft (20 points) ☐
200 Ft to 1000 Ft (10 points) ☐
Greater Than 1000 Ft (0 points) ☒

Name of Surface Water Body _____

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 0 POINTS

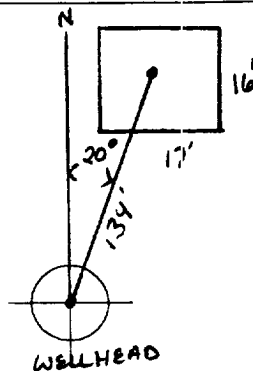
REMARKS

Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE.
PIT IS DRY.

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 20° Footage to Wellhead 134'
b) Degrees from North _____ Footage to Dogleg _____
Dogleg Name _____
c) Length : 17' Width : 16' Depth : 3'



REMARKS

Remarks :

STARTED TAKING PICTURES AT 1:17 P.M.

END DUMP

Completed By:

Robert Thompson
Signature

3.24.94
Date

4.22.94
RT

FIELD PIT SITE ASSESSMENT FORM

GENERAL	Meter: <u>75327</u> Location: <u>MADDOX C WN FEDERAL COM #1</u> Operator #: _____ Operator Name: _____ P/L District: _____ Coordinates: Letter: _____ Section _____ Township: _____ Range: _____ Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: _____ Line Drip: _____ Other: _____ Site Assessment Date: _____ Area: <u>02</u> Run: <u>31</u>
SITE ASSESSMENT	NMOCD Zone: (From NMOCD Maps) Inside ☐ (1) Outside ☐ (2) Land Type: BLM ☐ (1) State ☐ (2) Fee ☐ (3) Indian _____ 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) 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 <u>FARMINGTON GLADE</u> (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: <u>20</u> POINTS
REMARKS	Remarks : _____ _____ _____

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>75327</u> Location: <u>Malden C. W. Federal Con #1</u> Coordinates: Letter: <u>A</u> Section <u>14</u> Township: <u>30</u> Range: <u>13</u> Or Latitude _____ Longitude _____ Date Started : <u>4-21-94</u> Area: <u>02</u> Run: <u>31</u>
FIELD OBSERVATIONS	940847 Sample Number(s): <u>VW18</u> Sample Depth: <u>2'</u> Feet Final PID Reading <u>270</u> PID Reading Depth <u>7</u> Feet Yes No Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☒ (1) Approx. Cubic Yards <u>10</u> Onsite Bioremediation ☐ (2) Backfill Pit Without Excavation ☐ (3) Soil Disposition: Envirotech ☐ (1) ☒ (3) Tierra Other Facility ☐ (2) Name: _____ Pit Closure Date: <u>4-21-94</u> Pit Closed By: <u>BEI</u>
REMARKS	Remarks : <u>Hit Rock at 7' couldn't dig any further</u> _____ _____
	Signature of Specialist: <u>Vale Wilson</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW18	940847
MTR CODE SITE NAME:	75327	N/A
SAMPLE DATE TIME (Hrs):	4/21/94	1050
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	4-22-94	4-22-94
DATE OF BTEX EXT. ANAL.:	4/29/94	4/30/94
TYPE DESCRIPTION:	VC	Coarse Sand

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<1.0	MG/KG	20			
TOLUENE	3.67	MG/KG	20	B		
ETHYL BENZENE	<1.0	MG/KG	20			
TOTAL XYLENES	49.6	MG/KG	20			
TOTAL BTEX	53.3	MG/KG	2010		1.99	20
TPH (418.1)	<10	MG/KG			2.09	28
HEADSPACE PID	270	PPM				
PERCENT SOLIDS	94.1%	%				

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

The Surrogate Recovery was at 97.2 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By:

Date:

5/17/94

File # 4084701.D01

ATTN: 1227

STACY BENDER

Name: F011177 Job: Analyst 1

Type: Sample

File Path: 12721

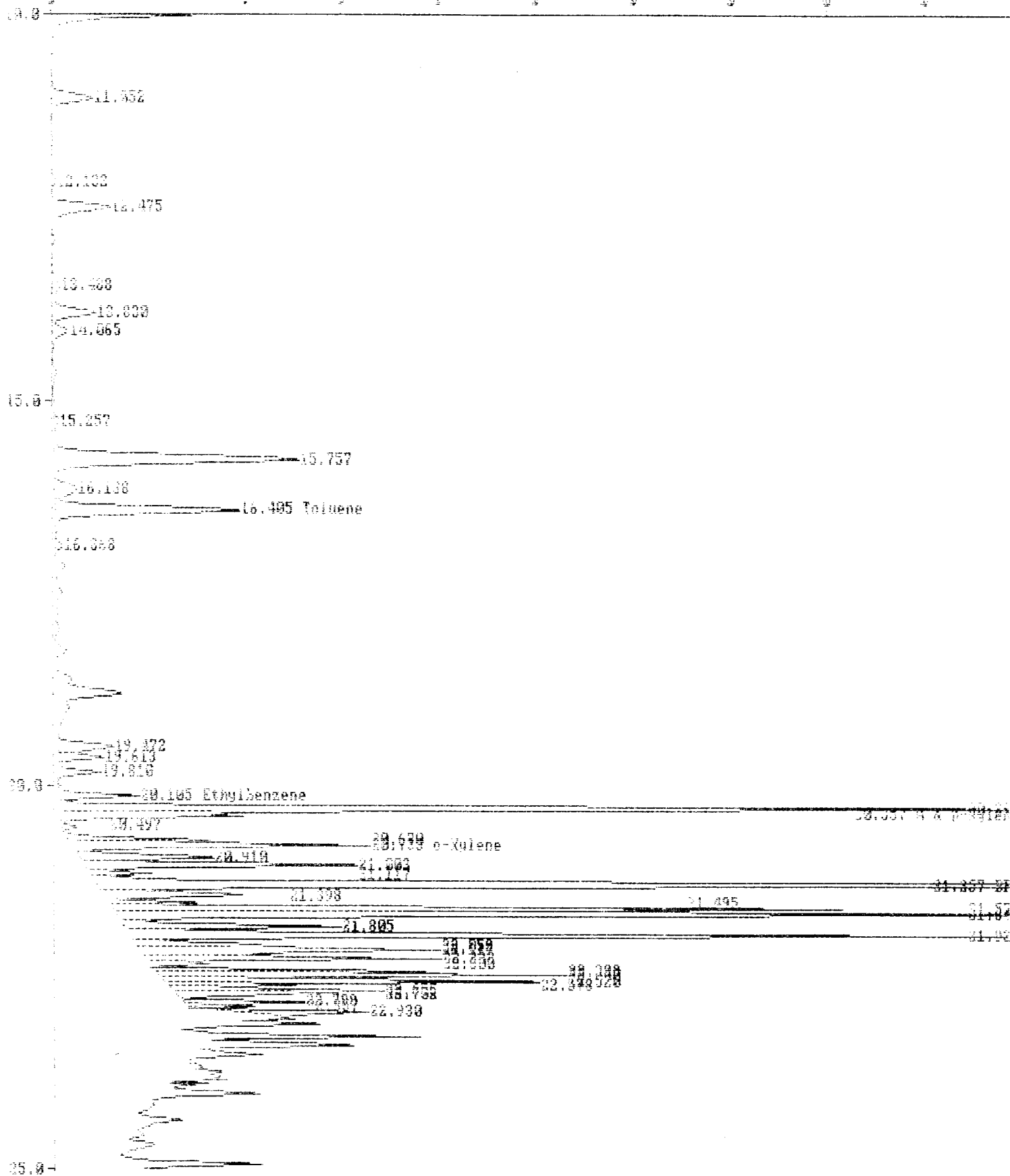
11/11/1985 - 12/11/1985 Apr 10 1986 - 12/11/1985 Apr 10 1986
 11/11/1985 - 12/11/1985 Apr 10 1986 - 12/11/1985 Apr 10 1986
 11/11/1985 - 12/11/1985 Apr 10 1986 - 12/11/1985 Apr 10 1986

Sample Amt: 1.000000g

INTERNAL MONITOR

RT	Peak	Q	Height	RT	Height	Name
11.132	550297	T		11.132	0.0000e+0	Unknown
			11.1677	0.000000e+0		Benzene
12.112	40441	T		12.112	0.0000e+0	Unknown
12.1478	61119	T		12.1478	0.0000e+0	Unknown
13.100	159323	T		13.100	0.0000e+0	Unknown
13.130	357704	T		13.130	0.0000e+0	Unknown
			13.130	0.0000e+0		Unknown
13.163	356213			13.163	0.0000e+0	Unknown
13.167	35545	V		13.167	0.0000e+0	Unknown
13.170	110127			13.170	0.0000e+0	Unknown
13.182	12311	T		13.182	0.0000e+0	Unknown
13.190	135994	T		13.190	0.0000e+0	Unknown
13.192	106373			13.192	0.0000e+0	Unknown
13.191	731050	T		13.191	0.0000e+0	Unknown
13.192	11171	T		13.192	0.0000e+0	Unknown
13.190	347708	V		13.190	0.0000e+0	Unknown
20.105	374130	T	20.105	0.000000e+0	0.7829	Ethylbenzene
20.122	7473350			20.122	0.000000e+0	Unknown
20.127	1599793	T	20.127	0.000000e+0	46.9	n-Propylene
20.137	14765	V		20.137	0.0000e+0	Unknown
20.171	193291	T		20.171	0.0000e+0	Unknown
20.173	1055552		20.173	0.0000e+0	1.5555	p-Xylene
20.173	1055101	T		20.173	0.0000e+0	Unknown
21.161	138882			21.161	0.0000e+0	Unknown
21.177	101171			21.177	0.0000e+0	Unknown
21.181	1024012	T	21.181	0.0000e+0	97.2	Styrene
21.182	112111	T		21.182	0.0000e+0	Unknown
21.187	112007	T		21.187	0.0000e+0	Unknown
21.172	4213572	T		21.172	0.0000e+0	Unknown
21.164	6710311	T		21.164	0.000000e+0	Unknown
21.165	1009265	T		21.165	0.0000e+0	Unknown
21.183	6354371	T		21.183	0.0000e+0	Unknown
22.182	326454	T		22.182	0.0000e+0	Unknown
22.117	1568337	T		22.117	0.0000e+0	Unknown
22.122	1233502	T		22.122	0.0000e+0	Unknown
22.130	1026715	V		22.130	0.0000e+0	Unknown
22.135	1106977	T		22.135	0.0000e+0	Unknown
22.141	1142122	T		22.141	0.0000e+0	Unknown
22.119	1303187	T		22.119	0.0000e+0	Unknown
22.173	117940	T		22.173	0.0000e+0	Unknown
22.135	1162130	T		22.135	0.0000e+0	Unknown
22.131	1147010	T		22.131	0.0000e+0	Unknown
22.135	1162130	T		22.135	0.0000e+0	Unknown
22.157	174835	V		22.157	0.0000e+0	Unknown
22.130	161991			22.130	0.0000e+0	Unknown

ILLECIBLE



FILE: C:\MSDCHEM\111112.D NTP: 11/22/97 STATION: HENDLER
 RUN: 11/22/97 Queue: 10111127 Job Number: 1111127 Date: Sample
 Title: 111112.D
 Injection: 1111122 Apr 10 1999 Path: 1111127 Injection: 1111122 Apr 10 1999 1
 Acquisition: 1111122 Apr 08 1999 Method: NTP Acquisition: 1111122 Apr 10 1999 2
 Report: 1111122 Apr 10 1999 Report: 1111127 Report: 1111122 Apr 10 1999 1

Sample Amt: 0.000000g Dilution: 0.000000g

EXTERNAL STANDARD (AREA)

RT	Area	IS	ExpRT	CF	Area	Name
10.145	54148	T		0.000000e+0	0.0000	Unknown
10.518	50981	T		0.000000e+0	0.0000	Unknown
11.048	53600	T		0.000000e+0	0.0000	Unknown
11.081	18275	T		0.000000e+0	0.0000	Unknown
11.461	52221	T		0.000000e+0	0.0000	Unknown
11.777	57147	T	11.000	2.150000e-4	0.7380	Benzenes
12.115	122160	T		0.000000e+0	0.0000	Unknown
12.162	74817	T		0.000000e+0	0.0000	Unknown
12.181	71663	T		0.000000e+0	0.0000	Unknown
12.186	61253	T		0.000000e+0	0.0000	Unknown
12.228	103747	T		0.000000e+0	0.0000	Unknown
12.330	52070	T		0.000000e+0	0.0000	Unknown
12.398	71535	T		0.000000e+0	0.0000	Unknown
12.710	31010	T		0.000000e+0	0.0000	Unknown
12.735	48085	T		0.000000e+0	0.0000	Unknown
13.555	55071	T		0.000000e+0	0.0000	Unknown
13.621	123796	T		0.000000e+0	0.0000	Unknown
14.035	50031	T	14.000	0.000000e+0	0.0000	Unknown
14.141	24122	T		0.000000e+0	0.0000	Unknown
15.040	45485	T		0.000000e+0	0.0000	Unknown
15.480	19611	T		0.000000e+0	0.0000	Unknown
15.710	51035	T		0.000000e+0	0.0000	Unknown
15.757	120901	T		0.000000e+0	0.0000	Unknown
16.025	27725	T		0.000000e+0	0.0000	Unknown
16.111	11817	T		0.000000e+0	0.0000	Unknown
16.180	11017	T		0.000000e+0	0.0000	Unknown
16.185	121715	T		0.000000e+0	0.0000	Unknown
16.408	102068	T		0.000000e+0	0.0000	Unknown
16.500	55074	T	16.000	1.461000e-4	1.5702	Toluene
16.718	12346	T		0.000000e+0	0.0000	Unknown
16.805	510421	T		0.000000e+0	0.0000	Unknown
17.000	54602	T		0.000000e+0	0.0000	Unknown
17.100	52221	T		0.000000e+0	0.0000	Unknown
17.115	40923	T		0.000000e+0	0.0000	Unknown
17.181	15227	T		0.000000e+0	0.0000	Unknown
17.300	70817	T		0.000000e+0	0.0000	Unknown
17.453	151432	T		0.000000e+0	0.0000	Unknown
19.517	120454	T		0.000000e+0	0.0000	Unknown
19.610	71659	T		0.000000e+0	0.0000	Unknown
20.170	373031	T	20.207	1.494330e-4	11.3346	Ethylbenzene
20.365	595880	T	20.567	1.525340e-4	12.2601	m & p-Xylene
20.570	100682	T		0.000000e+0	0.0000	Unknown
20.705	151012	T	20.515	1.534230e-4	1.0092	o-Xylene
20.913	145091	T		0.000000e+0	0.0000	Unknown
21.005	179281	T		0.000000e+0	0.0000	Unknown
21.100	720051	T		0.000000e+0	0.0000	Unknown
21.101	115620	T	21.071	9.330270e-5	0.1049	Benzene
21.375	110670	T		0.000000e+0	0.0000	Unknown
21.670	551017	T		0.000000e+0	0.0000	Unknown
21.690	53027	T		0.000000e+0	0.0000	Unknown

ILLEGAL

12.937

12.9

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*****
*                               *
*      Test Method for          *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil        *
*                               *
*      Perkin-Elmer Model 1600 FT-IR                    *
*      Analysis Report      *
*****

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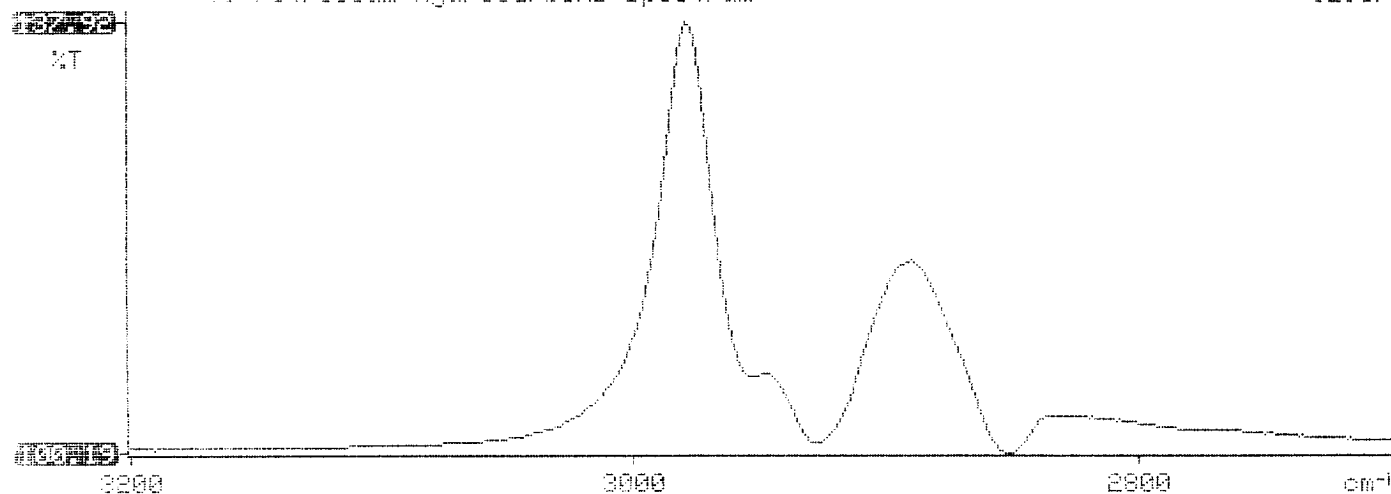
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94/04/22  12:57
*
* Sample identification
940847
*
* Initial mass of sample, g
2.090
*
* Volume of sample after extraction, ml
29.000
*
* Petroleum hydrocarbons, ppm
-118.040
* Net absorbance of hydrocarbons (2930 cm-1)
-0.000
*
*
*

```

% Petroleum hydrocarbons spectrum

12:57



PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 2 of 2

Project Name

EPNG PITS

Project Number

14509

Phase

6000 77

Project Location

Maddox C W N Fed Com #1 75327

Elevation

Borehole Location QN - S14 - T30 - R12

GWL Depth

Logged By CM CHANCE

Drilled By K Padilla

Date/Time Started 10/2/95 - P 805

Date/Time Completed 10/2/95

Well Logged By

CM Chance

Personnel On-Site

K Padilla, D. Charlie R. Ruelas

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4" ID HSA

Air Monitoring Method

PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM			Drilling Conditions & Blow Counts
							BZ	BH	HS	
40										
45	8	45-46	5"	AA			0	65	5	-V. hard drilling -Refusal @ 45' w/ auger -0952
				TOB 46'					1	
50										
55										
60										
65										
70										
75										
80										

Comments:

CMC 126 (45-46') sent to lab (BTEX, TPH). BH grouted to surface.
Refusal @ 45' w/ auger

Geologist Signature

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 1 of 2

Project Name EPNG PITS

Project Number 14509 Phase 6000 77

Project Location Maddox CWN Field (DM #1 7532)

Elevation

Borehole Location QV - S14 - T30 - R13

GWL Depth

Logged By CM CHANCE

Drilled By K Padilla

Date/Time Started 10/2/95 - 0805

Date/Time Completed 10/2/95

Well Logged By CM Chance

Personnel On-Site K Padilla, B. Charlie, R. Ruedger

Contractors On-Site

Client Personnel On-Site

Drilling Method 4 1/4" ID HSA

Air Monitoring Method PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ BH HS			Drilling Conditions & Blow Counts
0				Backfill + 0 7'						
5										
10	1	10-11	6"	lt br SANDSTONE, vF-F sand, poorly cemented			0	105	890 1429	-0814h
15	2	15-16	6"	AA			0	86	1229 1722	-0823
20	3	20-21	8"	Gr. SANDSTONE, vF sand, poorly cemented			0	83	15 231	-0836
25	4	25-26	6"	Gr. clayey SAND, vF-F sand, med dense, sl moist			0	62	27 640	-0851
30	5	30-31	5"	Gr. SANDSTONE, vF sand, poorly cemented			0	92	280 1320	-0908
35	6	35-36	8"	Gr. clayey SAND, vF sand, med dense, sl moist			2	110	580 1892	-0920
40	7	40-41	3"	Gr. sandy CLAY, vF sand, v. stiff, non plastic, dry			3	105	193 37	-0929

Comments:

Geologist Signature



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC126	947573
MTR CODE SITE NAME:	75327	Maddox CWN Fed Cons #1
SAMPLE DATE TIME (Hrs):	10-02-95	0952
PROJECT:	JTC Pits Phase II Drilling	RLB 10/5/95
DATE OF TPH EXT. ANAL.:	10/3/95	
DATE OF BTEX EXT. ANAL.:	10/3/95	10/3/95
TYPE DESCRIPTION:	VG	Green Sand & Sand Stone

Field Remarks:

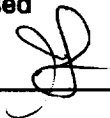
RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	52.4	MG/KG			2.03	28
HEADSPACE PID	1	PPM				
PERCENT SOLIDS	92.7	%				

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

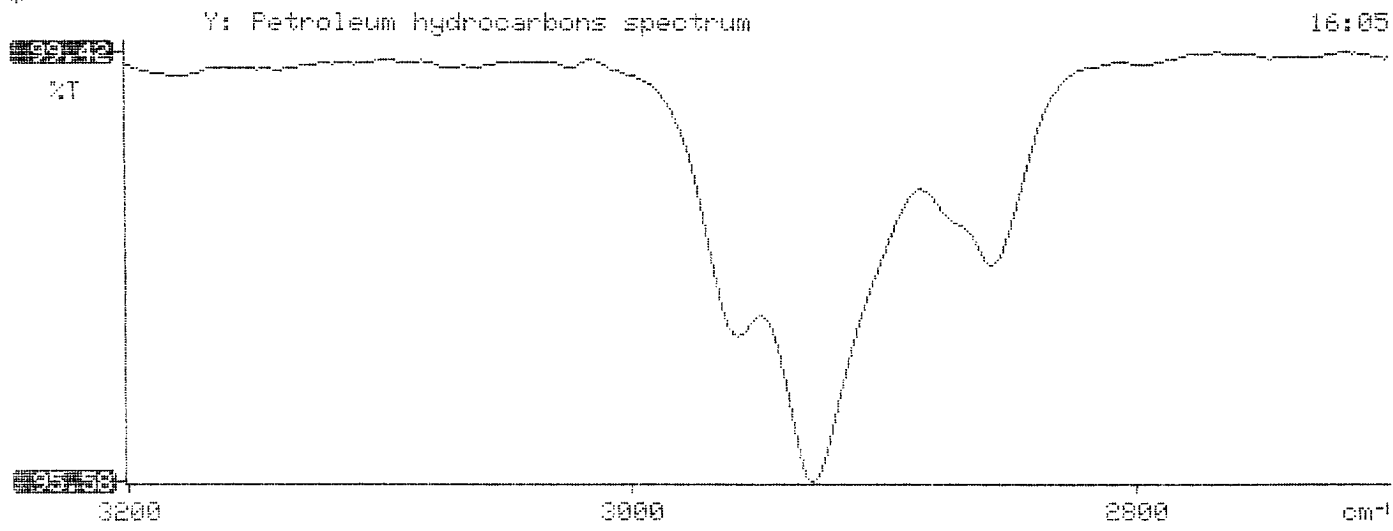
The Surrogate Recovery was at 100% for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By: Date: 10-4-95

* Test Method for *
* Oil and Grease and Petroleum Hydrocarbons *
* in Water and Soil *
* Perkin-Elmer Model 1600 FT-IR *
* Analysis Report *

95/10/03 16:05
* Sample identification
947573
* Initial mass of sample, g
2.030
* Volume of sample after extraction, ml
28.000
* Petroleum hydrocarbons, ppm
52.389
* Net absorbance of hydrocarbons (2930 cm-1)
0.017



BTEX SOIL SAMPLE WORKSHEET

File	:	947573	Date Printed	:	10/4/95
Soil Mass (g)	:	5.05	Multiplier (L/g)	:	0.00099
Extraction vol. (mL)	:	10	DF (Analytical)	:	200
Shot Volume (uL)	:	50	DF (Report)	:	0.19802

				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.000 0.495
Toluene (ug/L)	:	0.92	Toluene (mg/Kg):	0.182 0.495
Ethylbenzene (ug/L)	:	0.37	Ethylbenzene (mg/Kg):	0.073 0.495
p & m-xylene (ug/L)	:	1.32	p & m-xylene (mg/Kg):	0.261 0.990
o-xylene (ug/L)	:	0.23	o-xylene (mg/Kg):	0.046 0.495
			Total xylenes (mg/Kg):	0.307 1.485
			Total BTEX (mg/Kg):	0.562

EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\100395-1.010
 Method : C:\LABQUEST\METHODS\1-091895.MET
 Sample ID : 947573,5.05G,50U
 Acquired : Oct 01, 1995 17:14:21
 Printed : Oct 01, 1995 17:40:44
 User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	4.917	0	0.0000
a,a,a TFT	6.647	4768047	103.2776
TOLUENE	8.690	254307	0.9157
ETHYLBENZENE	12.717	95365	0.3732
M & P XYLENE	13.087	437433	1.3203
O XYLENE	14.207	54707	0.2297
BFB	15.767	72832304	100.4733

