



Environmental Services Group
Southern Region

Hammond #7 *G-26-27N-08W*
Meter Code 72405

Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from excavation bottom was 283 parts per million. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 142 mg/kg, TPH - 903 mg/kg.

One soil boring was completed and no monitoring well was installed. Soil boring analytical results were as follows; benzene - <0.5 mg/kg, total BTEX - 1 mg/kg, TPH - 10 mg/kg. Groundwater was encountered at 19 feet.

Pit was re-excavated to 20 feet beneath ground surface. The headspace soil reading from excavation bottom was 0.6 parts per million. Soil analytical were as follows; benzene - <0.5 mg/kg, total BTEX - 1 mg/kg, TPH - 53 mg/kg. Groundwater was not encountered in the excavation.

Denny L. Frost
DEPUTY OIL & GAS INSPECTOR

FEB 06 97

Approved



FIELD PIT SITE ASSESSMENT FORM

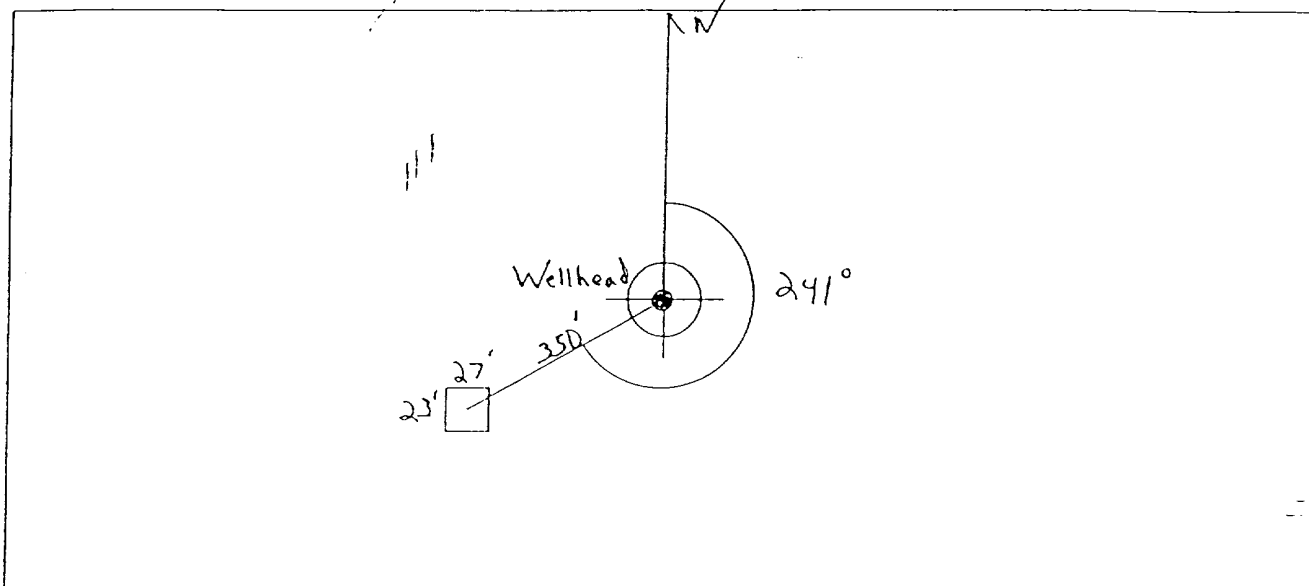
GENERAL	Meter: <u>72405</u> Location: <u>Hammond 7</u> Operator #: <u>9615</u> Operator Name: <u>Western Oil & Mineral P/L</u> District: <u>Ballard</u> Coordinates: Letter: <u>G</u> Section <u>26</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____ Site Assessment Date: <u>6/13/94</u> Area: <u>07</u> Run: <u>32</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>Large Canyon</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>40</u> POINTS
REMARKS	Remarks : <u>Redline Book - Inside</u> <u>Vulnerable Zone Topo - Inside</u> <u>1 pit. Will close. Pit dry</u>

72405

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 241° Footage from Wellhead 350'
 b) Length : 27' Width : 23' Depth : 3'

ORIGINAL PIT LOCATION



Remarks :

Pictures 01022 (8-11)

Dump Truck

Wellhead is on opposite side of road.

REMARKS

Completed By:

Cory Chance

6/13/94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>72405</u> Location: <u>Hammond #7</u> Coordinates: Letter: <u>G</u> Section <u>26</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Date Started : <u>8-2-94</u> Run: <u>07</u> <u>32</u>
FIELD OBSERVATIONS	Sample Number(s): <u>KP 161</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>283</u> PID Reading Depth <u>12'</u> Feet Yes No Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☒ Approx. Cubic Yards <u>90</u> Onsite Bioremediation ☐ Backfill Pit Without Excavation ☐ Soil Disposition: Envirotech ☒ ☐ Tierra Other Facility ☐ Name: _____ Pit Closure Date: <u>8-2-94</u> Pit Closed By: <u>BET</u>
REMARKS	Remarks : <u>Some Line markers Started Remediating to 12'</u> <u>SOIL turned Light Gray with a smell. At 12' soil</u> <u>still the same. closed pit</u> Signature of Specialist: <u>Kelly Schiller</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP161	945814
MTR CODE SITE NAME:	72405	Hammond #7
SAMPLE DATE TIME (Hrs):	08/02/94	0905
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	08/04/94	08/04/94
DATE OF BTEX EXT. ANAL.:	08/08/94	08/10/94
TYPE DESCRIPTION:	VC	Brown clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.5	MG/KG	20			
TOLUENE	<0.5	MG/KG	20			
ETHYL BENZENE	1.0	MG/KG	20			
TOTAL XYLENES	140	MG/KG	20			
TOTAL BTEX	142	MG/KG				
TPH (418.1)	903	MG/KG			2.20	28
HEADSPACE PID	283	PPM				
PERCENT SOLIDS	79.0	%				

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

The Surrogate Recovery was at 305 % for this sample All QA/QC was acceptable.

Narrative:

I performed analyses. Surrogate recovery was outside ATI QC limits due to matrix interference.

DF = Dilution Factor Used

Approved By: _____

Date: _____

7/16/94



CHAIN OF CUSTODY RECORD

[illegible]

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

Burlington Environmental Inc.
 700 Monroe Road
 Farmington, New Mexico 87401
 (505) 326-2262 FAX (505) 326-2388

Borehole # BH1
 Well # _____
 Page 1 of 1

Project Name EPNG PITS
 Project Number 14509 Phase 6000.77
 Project Location Hammond #7 72405

Elevation _____
 Borehole Location Letter G-S 24-T22-RR
 GWL Depth _____
 Logged By John LaBarbara
 Drilled By Mike Denechere
 Date/Time Started 7/22/95-1000
 Date/Time Completed -1059

Well Logged By John LaBarbara
 Personnel On-Site M. Denechere, D. Sharkey, M. Teast
 Contractors On-Site _____
 Client Personnel On-Site _____
 Drilling Method 4.25" ID HSA
 Air Monitoring Method RED / CGT

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: <u>PPM</u> BZ BH <u>HS</u>			Drilling Conditions & Blow Counts
0										
5										
10										
15										
18	1	18-19.25	16	15-18.25 Black, loose, silty, v. fine to med, SPH, v. moist, clay, CL	SM		3	17	1228 24	1005 H ₂ O at ~28"
20				18.25-19.25 Gr. med. clay, CL, silty, med. plastic, v. moist, silty						
23	2	23-25	24	Brown, loose, fine to med, sandy, wet, to silty, no clay noted	SP				1213 H ₂ O up to 19"	
25										
30										
35										
40										

Comments: Sample JFL16 sent to lab for BTEX/TPH analysis
Sample from 18"-19.5"

Geologist Signature John LaBarbara



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL16	947041
MTR CODE SITE NAME:	72405	Hammond #7
SAMPLE DATE TIME (Hrs):	07/20/95	1005
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	07/24/95	07/24/95
DATE OF BTEX EXT. ANAL.:	07/26/95	07/27/95
TYPE DESCRIPTION:	VG	Black/gray sand & clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	0.051	MG/KG	1			
TOTAL XYLENES	0.32	MG/KG	1			
TOTAL BTEX	0.371	MG/KG				
TPH (418.1)	< 10	MG/KG			2.02	28
HEADSPACE PID	9429	PPM				
PERCENT SOLIDS	79.1	%				

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

The Surrogate Recovery was at 87 % for this sample All QA/QC was acceptable.
Narrative:

performed analyses.

DF = Dilution Factor Used

Approved By: _____

Date: _____

7/18/95



Sheet II
Dilling

CHAIN OF CUSTODY RECORD

[illegible]

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

Meter: 72405 Location: Hammond #7

Coordinates: Letter: G Section 26 Township: 27 Range: 08

Or Latitude _____ Longitude _____

Date Started : 8-8-95 Area: 07 Run: 32

Sample Number(s): 4P43

Sample Depth: 20 Feet

Final PID Reading 0.6 ppm PID Reading Depth 20 Feet
Yes No

Groundwater Encountered ☐ (1) ☒ (2) Approximate Depth _____ Feet

Final Dimensions: Length 27 Width 22 Depth 20

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 218 8 9/27/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3) 69 1/2 9/27/95

Overburden Cubic Yards 200

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 8-31-95 Pit Closed By: Philip Env.

Remarks : Ground was moist, no ground water encountered

PHASE III

Signature of Specialist: James L. Penrose

Ant in Rab



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP43	947179
MTR CODE SITE NAME:	72405	Hammond #7
SAMPLE DATE TIME (Hrs):	08/08/95	1315
PROJECT:	Phase III Excavation	
DATE OF TPH EXT. ANAL.:	08/09/95	08/09/95
DATE OF BTEX EXT. ANAL.:	08/12/95	08/12/95
TYPE DESCRIPTION:	VC	Brown sand & clay

Field Remarks:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	53.0	MG/KG			2.04	28
HEADSPACE PID	0.6	PPM				
PERCENT SOLIDS	86.0	%				

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

The Surrogate Recovery was at 109 % for this sample All QA/QC was acceptable.

Narrative:

performed analyses.

DF = Dilution Factor Used

Approved By:

[Signature]

Date:

7/18/95



CHAIN OF CU. DY RECORD

1

White • Testing Laboratory • Canary • EPNG Lab • Pink • Field Sampler