



Environmental Services Group
Southern Region

Hammond No. 92 0-25-27W-08 ✓
Meter Code 90862

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 295 parts per million. Soil analytical were as follows; benzene - < 0.5 mg/kg, total BTEX - 121 mg/kg, TPH - 1,460 mg/kg.

One soil boring was completed and no monitoring well installed. Groundwater was encountered at 20 feet. No groundwater samples were collected. Soil boring analytical results were as follows; benzene - <.5 mg/kg, total BTEX - 1 mg/kg, TPH - 46 mg/kg.

Pit was re-excavated to 20 feet beneath ground surface. Headspace soil reading was as follows: pit bottom composite- 2 ppm. Soil analytical from composite were as follows; benzene - < .5 mg/kg, total BTEX - 1 mg/kg, TPH - <41.9 mg/kg. Analytical collected from the groundwater in the bottom of the pit were as follows; benzene - 5.17 ug/L, toluene - 11 ug/L, ethylbenzene - 84.8 ug/L, xylenes - 601 ug/l.

Denny R. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 06 97
[Signature]



FIELD PIT SITE ASSESSMENT FORM

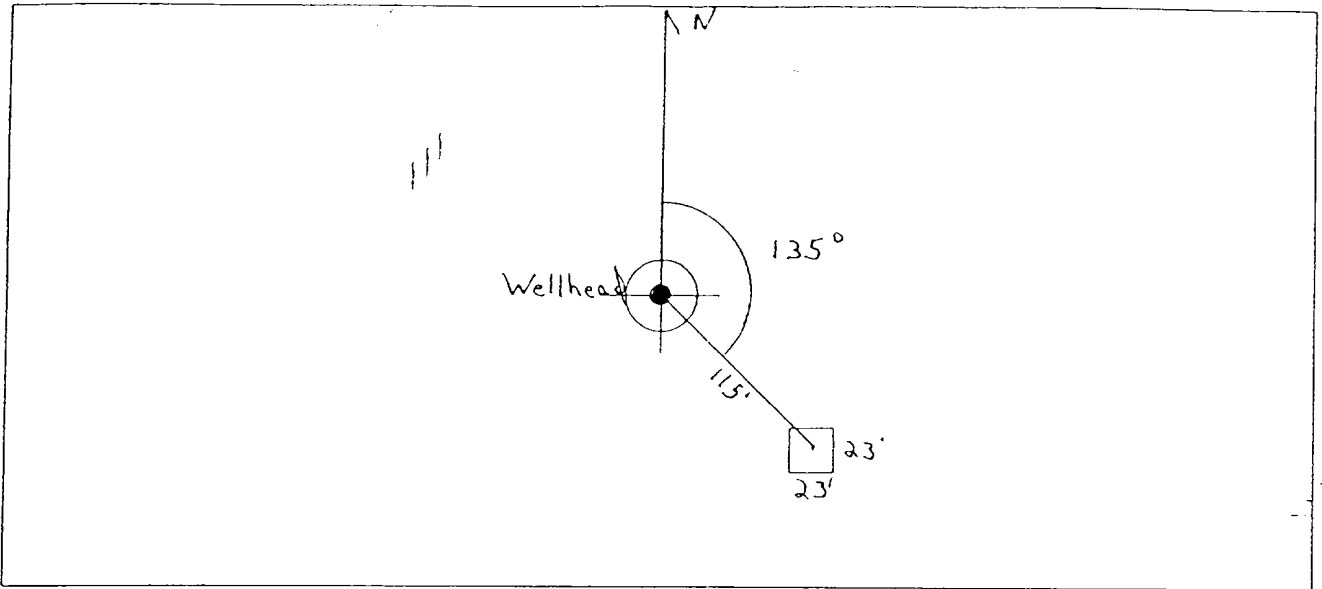
GENERAL	Meter: <u>90862</u> Location: <u>Hammond No. 92</u> Operator #: <u>7335</u> Operator Name: <u>R+6 Drilling P/L</u> District: <u>Ballard</u> Coordinates: Letter: <u>D</u> Section <u>25</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____ Site Assessment Date: <u>6/13/94</u> Area: <u>07</u> Run: <u>51</u>
	NMOCD Zone: (From NMOCD Maps) Land Type: BLM ☒ (1) State ☐ (2) Fee ☐ (3) Indian _____ Inside ☒ (1) Outside ☐ (2) 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
REMAR	Remarks : <u>Redline Book - Inside Vulnerable Zone Topo - Inside</u> <u>1 pit will close. Pit dry</u>

90862

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 135° Footage from Wellhead 115'
b) Length : 23' Width : 23' Depth : 2'

ORIGINAL PIT LOCATION



Remarks :

Pictures p 1248 (5-8)
End Dump

REMARKS

Completed By:

Cory Chance

6/13/94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>90862</u> Location: <u>Hammond NO. 92</u> Coordinates: Letter: <u>0</u> Section <u>25</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Date Started : <u>7-28-94</u> Run: <u>07</u> <u>51</u>
FIELD OBSERVATIONS	Sample Number(s): <u>KP158</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>295</u> PID Reading Depth <u>12'</u> Feet Yes No Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☒ Approx. Cubic Yards <u>130</u> Onsite Bioremediation ☐ Backfill Pit Without Excavation ☐ Soil Disposition: Envirotech ☒ Tierra ☐ Other Facility ☐ Name: _____ Pit Closure Date: <u>7-28-94</u> Pit Closed By: <u>B.EI</u>
REMARKS	Remarks : <u>Some LINE markers Started Remediating to 12' soil turned DARK gray with A smell. At 12' soil still light gray. Pid 295 Closed Pit.</u>
	Signature of Specialist: <u>Kelly Padilla</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP158	945785
MTR CODE SITE NAME:	90862	Hammond #92
SAMPLE DATE TIME (Hrs):	07/28/94	1534
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	08/02/94	08/02/94
DATE OF BTEX EXT. ANAL.:	08/04/94	08/05/94
TYPE DESCRIPTION:	VC	Brown sand/clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.25	MG/KG	10			
TOLUENE	4.3	MG/KG	10			
ETHYL BENZENE	6.7	MG/KG	10			
TOTAL XYLENES	110	MG/KG	10			
TOTAL BTEX	121	MG/KG				
TPH (418.1)	1460	MG/KG			2.05	28
HEADSPACE PID	295	PPM				
PERCENT SOLIDS	90.5	%				

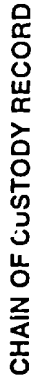
-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 161 % for this sample All QA/QC was acceptable.

Narrative:

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

DF = Dilution Factor Used



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

Phase II Soil Boring

RECORD OF SUBSURFACE EXPLORATION

Burlington Environmental Inc.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well # 1 of 1
Page

Project Name EPNG PITS
Project Number 14509 Phase 6000.77
Project Location Hammond #92 90562

Elevation _____
Borehole Location Letter O-525-727-R8
GWL Depth _____
Logged By J.F. LaBarbera
Drilled By K. Padilla
Date/Time Started 7/25/95 - 1344
Date/Time Completed ~ 1421

Well Logged By J.F. LaBarbera
Personnel On-Site K. Padilla, F. Rivera, D. Charlie J. O'Keefe
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	S	
0										
5										
10										
15	1	15-16.3	16	Brown, v. loose, v. fine to med, SAND, tr. silt, damp, v. strong odor	SP		0	2	174/39	1351
20	2	20-		n/a sample taken TAB at 20'			4.1	21		H ₂ O at 20' came up 7' to 18'
25										
30										
35										
40										

Comments:

Sample IFL 22 & IFL 23 (dups) from 15-16.3' sent to lab for BTEX/TPH analysis, plus IFL 21 (Q/R/Q).

Geologist Signature

John LaBarbera



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL22	947076
MTR CODE SITE NAME:	90862	Hammond #92
SAMPLE DATE TIME (Hrs):	07/25/95	1351
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	07/26/95	07/26/95
DATE OF BTEX EXT. ANAL.:	07/27/95	07/28/95
TYPE DESCRIPTION:	VG	Brown fine sand

Field Remarks: 15 to 16.5 foot

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	0.030	MG/KG	1			
TOTAL BTEX	0.030	MG/KG				
TPH (418.1)	46.0	MG/KG			2.08	28
HEADSPACE PID	174	PPM				
PERCENT SOLIDS	93.5	%				

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

The Surrogate Recovery was at 96 % for this sample All QA/QC was acceptable.

Narrative:

performed analyses.

DF = Dilution Factor Used

Approved By:

[Signature]

Date:

7/18/95



IPaso
Natural Gas Company

Shirley D. Fink

Page 1 of 1

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

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

Meter: 90862 Location: Hammond # 92

Coordinates: Letter: 0 Section 25 Township: 27 Range: 08

Or Latitude _____ Longitude _____

Date Started : 8-7-95 Area: 07 Run: 51

Sample Number(s): 4P40 4P41 ^{water sample}

Sample Depth: 20' Feet

Final PID Reading 2 ppm PID Reading Depth 20' Feet
Yes No

Groundwater Encountered ☒ (1) ☐ (2) Approximate Depth 18' Feet

Final Dimensions: Length 33' Width 32' Depth 20'

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 290 or 9/26/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3) 39 or 9/27/95

Overburden Cubic Yards 325

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 8/8/95 Pit Closed By: Philip Env.

Remarks : Ground water encountered at 18', went to 20' and pulled sample PID 2ppm. Backfilled.

Also, notified, that Horizontal contamination approx. 1' Phase III pits

Signature of Specialist: James F. Lawrence



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP40	947171
MTR CODE SITE NAME:	90862	Hammond #92
SAMPLE DATE TIME (Hrs):	08/07/95	1400
PROJECT:	Phase III Excavation	
DATE OF TPH EXT. ANAL.:	08/08/95	08/08/95
DATE OF BTEX EXT. ANAL.:	08/12/95	08/12/95
TYPE DESCRIPTION:	VC	Fine brown sand

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)	41.9	MG/KG			1.99	28
HEADSPACE PID	2	PPM				
PERCENT SOLIDS	89.3	%				

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

The Surrogate Recovery was at 111 % for this sample All QA/QC was acceptable.

Narrative:

A performed analyses.

DF = Dilution Factor Used

Approved By:

Date:

7/18/95



CHAIN OF CUSTODY RECORD

Page _____ of _____

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FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Water

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	947163
FIELD ID:	JP41
MTR CODE:	90862
SAMPLE DATE:	08/07/95
SAMPLE TYPE:	MW
SITE NAME:	Hammond #92
PROJECT:	Phas III Excavation
DATE OF BTEX ANALYSIS:	08/10/95

FIELD COMMENTS: 2 VOA's

EPA Method 8020 (BTEX) RESULTS

PARAMETER	RESULT	QUALIFIER	WQCC LIMIT PPB
TDS - TOTAL DISSOLVED SOLIDS (PPM)	Not Required		None
BENZENE (PPB)	5.17		10
TOLUENE (PPB)	11.0		740
ETHYL BENZENE (PPB)	84.8		750
TOTAL XYLENES (PPB)	601		620
SURROGATE % RECOVERY	95.1	Allowed Range 80 to 120 %	

NOTES:

No air bubbles.

ad 1.1.1

7/12/95



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