



Environmental Services Group
Southern Region

Burroughs COM #1 #36-27N-08W
Meter Code 70613

Pit was excavated to 12 feet beneath ground surface. Headspace soil readings from excavation bottom were 418 parts per million. Soil analytical were as follows; benzene - < 0.5 mg/kg, total BTEX - 73 mg/kg, TPH - 9,050 mg/kg.

One soil boring was completed and no monitoring well installed. Groundwater was encountered at 18.5 feet. No groundwater samples were collected. Soil boring analytical results were as follows; benzene - < .5 mg/kg, total BTEX - 1 mg/kg, TPH - 56.8 mg/kg.

Pit was re-excavated to 22 feet beneath ground surface. Headspace soil readings were as follows: pit bottom composite- 3 ppm. Soil analytical from composite were as follows; benzene - < .5 mg/kg, total BTEX - 1 mg/kg, TPH - 129 mg/kg.

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

FEB 06 97

Approved

FIELD PIT SITE ASSESSMENT FORM

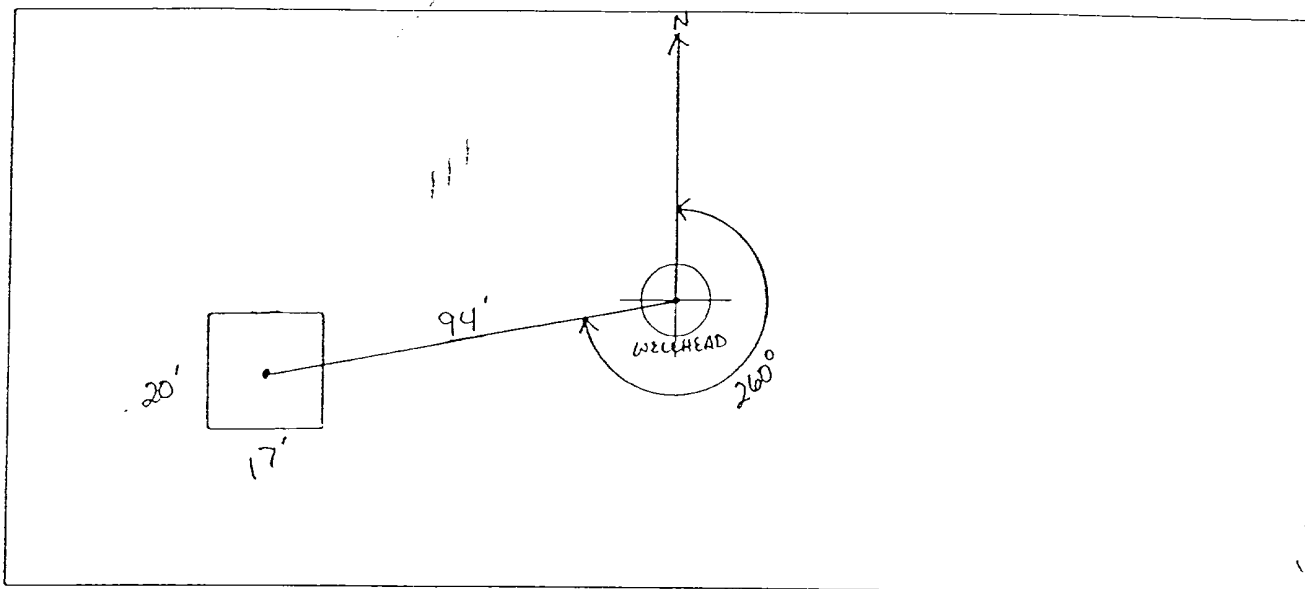
GENERAL	Meter: <u>70613</u> Location: <u>BURROUGHS com #1</u> Operator #: <u>2999</u> Operator Name: <u>MERIDIAN P/L</u> District: <u>BALLARD</u> Coordinates: Letter: <u>H</u> Section <u>36</u> Township: <u>27</u> Range: <u>8</u> Or Latitude _____ Longitude _____ Pit Type: Dehydrator _____ Location Drip: ☒ Line Drip: _____ Other: _____ Site Assessment Date: <u>6-14-94</u> Area: <u>07</u> Run: <u>51</u>		
	<table border="0"> <tr> <td data-bbox="110 674 203 1801" rowspan="2">SITE ASSESSMENT</td> <td data-bbox="203 674 1521 1801"> 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 _____ (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 </td> </tr> <tr> <td data-bbox="110 1801 1521 1950"> EMAR: Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS IN LARGE CANYON. BEDLINE AND TOPO CONFIRMED LOCATION IS INSIDE V-Z.</u> </td> </tr> </table>	SITE ASSESSMENT	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 _____ (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
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70613

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 260° Footage from Wellhead 94'
b) Length : 20' Width : 17' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 2:17 P.M.

END DUMP

Completed By:

Robert Thompson

6-14-94

Phase I Excavation

FIELD PIT REMEDIATION/CLOSURE FORM

Meter: 70613 Location: Burroughs Com #1

Coordinates: Letter: H Section 36 Township: 27 Range: 8

Or Latitude _____ Longitude _____

Date Started : 7/27/94 Run: 07 51

Remarks : EXCAVATED pit to 12', TOOK P/D sample, closed pit

Signature of Specialist: Thany Lee



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KD166	945769
MTR CODE SITE NAME:	70613	Burroughs Com #1
SAMPLE DATE TIME (Hrs):	07/27/94	0945
PROJECT:	Phase I	
DATE OF TPH EXT. ANAL.:	07/28/94	07/28/94
DATE OF BTEX EXT. ANAL.:	07/29/94	07/30/94
TYPE DESCRIPTION:	VC	Dark brown sand/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	3.5	MG/KG	20			
TOTAL XYLENES	68	MG/KG	20			
TOTAL BTEX	73	MG/KG				
TPH (418.1)	9050	MG/KG			0.56	28
HEADSPACE PID	418	PPM				
PERCENT SOLIDS	80.8	%				

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

T Surrogate Recovery was at 198 % 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

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Page _____ of _____

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 # _____
Page 1 of 1

Project Name EPNG PITS
Project Number 14509 Phase 6000.77
Project Location Burroughs Sam #1 7/24/95

Elevation _____
Borehole Location Letter H-S34-727-R8
GWL Depth _____
Logged By J.F. LaBarbera
Drilled By K. Padilla
Date/Time Started 7/24/95 - 1243
Date/Time Completed - 1314

Well Logged By J.F. LaBarbera
Personnel On-Site K. Padilla, F. Rivera, D. Charlie D. Galt
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	15-15.4	8	Brown, soft, silty, CLAY, plastic, damp to moist, no odor noted.	CL	0	15	1.1	0.2	1250
20	2	17-18.5	18	Brown AA, red silty, wet at bottom.	CL			0.8	0	H2O in at 1254 bottom of hole
25				Top at 18.5"						
30										
35										
40										

Comments: Sample JFL 28 from 17-18.5 sent to lab for BTEX/TPH analysis

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:	JFL28	947090
MTR CODE SITE NAME:	70613	Burroughs Com #1
SAMPLE DATE TIME (Hrs):	07/26/95	1254
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. ANAL.:	07/27/95	07/27/95
DATE OF BTEX EXT. ANAL.:	08/01/95	08/03/95
TYPE DESCRIPTION:	VG	Brown sand & some silt

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)	56.8	MG/KG			2.04	28
HEADSPACE PID	0.8	PPM				
PERCENT SOLIDS	80.3	%				

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

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

Narrative:

A performed analyses.

DF = Dilution Factor Used

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Natural Gas Company

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NAME # 24324 Pit Closure Project		DATE: 7/24/95		FIELD ID		TOTAL NUMBER OF CONTAINERS		SAMPLE TYPE		REQUESTED ANALYSIS				CONTRACT LABORATORY P. O. NUMBER		
LAB ID		DATE	TIME	MATRIX						TPH EPA 418.1	BTEX EPA 8020	LAB PID	PID	SEQUENCE #	REMARKS	
		7/24/95	0930	Soil	JFL 26	1	VG			X	X		HS 5983	22	70597	Bagged & sealed
		7/24/95	1142	Soil	JFL 27	1	VG			X	X		HS 5983	23	70597	Bagged & sealed
		7/24/95	1254	Soil	JFL 28	1	VG			X	X		HS 5983	24	70597	Bagged & sealed
		7/24/95		Soil	JFL 29	1	VG			X	X		HS 5983	25	70597	Bagged & sealed
John J. Barbera																
John J. Barbera																

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
John J. Barbera	7/24/95 1548	Vellay Stall	7/24/95 1548	Vellay Stall	7/24/95 1548	Vellay Stall	7/24/95 1548
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

REQUESTED TURNAROUND TIME:	RESULTS & INVOICES TO:
☐ ROUTINE ☐ RUSH	FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499
CARRIER CO.	505-599-2144
BILL NO.:	505-599-2261

Phase III Excavation

FIELD PIT REMEDIATION/CLOSURE FORM/PHASE II

Meter: 70613 Location: Burroughs Corn #1

Coordinates: Letter: H Section 36 Township: 27 Range: 08

Or Latitude _____ Longitude _____

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

Sample Number(s): 4P42

Sample Depth: 22 Feet

Final PID Reading 3 ppm PID Reading Depth 22 Feet
Yes No

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

Final Dimensions: Length 20 Width 17 Depth 22'

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 240 or 7/28/95

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3) 25 or 7/27/95
Overburden Cubic Yards 90

Soil Disposition:

Envirotech ☒ (1) ☐ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 8/9/95 Pit Closed By: Philips Env

Remarks : Soil was moist, However ground water was
it encountered, Phase III pit

Signature of Specialist: James T. Deane



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP42	947172
MTR CODE SITE NAME:	70613	Burroughs Com #1
SAMPLE DATE TIME (Hrs):	08/07/95	1700
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	Brown 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	0.029	MG/KG	1			
TOTAL BTEX	0.029	MG/KG				
TPH (418.1)	129	MG/KG			2.03	28
HEADSPACE PID	3	PPM				
PERCENT SOLIDS	78.3	%				

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

1 Surrogate Recovery was at 103 % for this sample All QA/QC was acceptable.

Narrative:

performed analyses.

DF = Dilution Factor Used



Page:

• Testing Laboratory Canary - EPNG Lab Pink - Field Sampler