Denny G. Foust
DEPUTY OIL & GAS INSPECTOR

MAR 2 7 1998

PIT SITE ASSESSMENT FORM

Approved

GENERAL

Meter: 89230 Location: JOHNSTON FEDERAL #3A
Operator #: 0203 Operator Name: AMOCO P/L District: BLOOMFIELD
Coordinates: Letter: I Section 12 Township: 30 Range: 9
Or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 4.27.94 Area: 10 Run: 22

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 MANGA CANYON DRAINAGE OFF OF PUMP 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: 30 **POINTS**

REMARKS

Remarks : TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION BORDERS MANGA CANYON. REDLINE AND TOPO CONFIRMED LOCATION TO BE INSIDE V.Z.

DIG AND HAUL

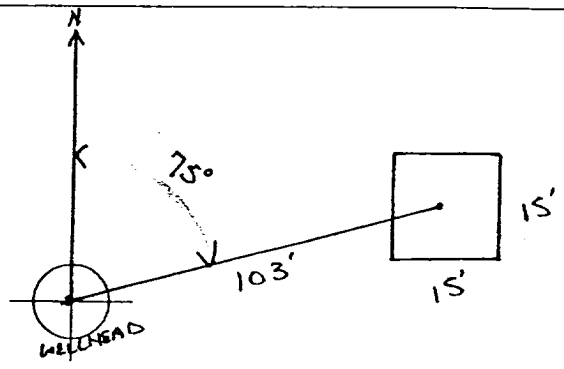
(SP3190) 04/08/94

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 75° Footage from Wellhead 103'

b) Length : 15' Width : 15' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 10:58 A.M.

END DUMP

Completed By:

Robert Thompson

Signature

4·27·94

Date

PHILIP
ENVIRONMENTAL

Environmental Services Group
Southern Region

Johnston Federal #3A
Meter Code 89230

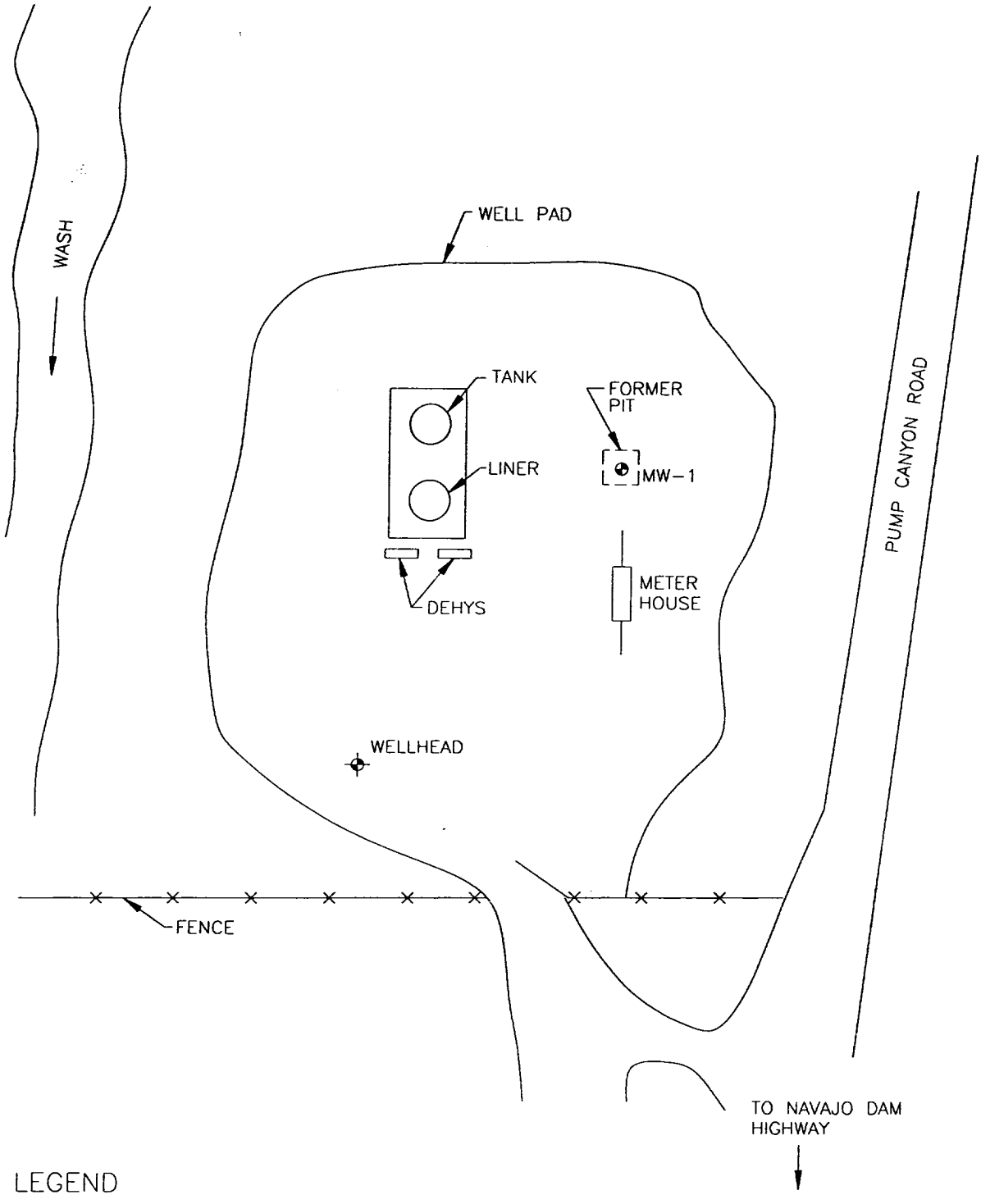
Pit was excavated to 12 feet beneath ground surface. The headspace soil reading from the excavation bottom was 391 parts per million. Soil analytical were as follows; benzene - 22.7 mg/kg, total BTEX - 1,940 mg/kg, TPH - 9,580 mg/kg.

One soil boring was completed and a monitoring well was installed. A soil sample was collected from 55-57 feet beneath ground surface. Soil analytical results were as follows: benzene - <0.03 mg/kg, total BTEX - 6.04 mg/kg, TPH - 154 mg/kg. The groundwater monitoring well was sampled for 5 quarters. Four consecutive quarters were below standards. Groundwater analytical results were as follows:
Initial: benzene - 63.0 ppb, toluene - 90.0 ppb, ethyl benzene - 35.0 ppb, total xylenes - 670 ppb
Quarter 1: benzene-12.9 ppb, toluene-5.3 ppb, ethyl benzene-5.29 ppb, total xylenes-138 ppb.
Quarter 2: benzene-8.21 ppb, toluene-1.56 ppb, ethyl benzene-6.63 ppb, total xylenes-96.2 ppb.
Quarter 3: benzene-6.76 ppb, toluene-1.01 ppb, ethyl benzene-5.55 ppb, total xylenes-44.6 ppb.
Quarter 4: benzene-4.23 ppb, toluene-1.19 ppb, ethyl benzene-3.07 ppb, total xylenes-41.1 ppb.
Quarter 5: benzene-6.15 ppb, toluene-<1 ppb, ethyl benzene-5.63 ppb, total xylenes-50.8 ppb.

This site is ready for closure based on the following:

- Soil boring samples were below standards on benzene, and total BTEX.
- Groundwater samples from MW-1 were below standards for four consecutive quarters.

PHILIP ENVIRONMENTAL SERVICES CORPORATION
4000 Monroe Road • Farmington, NM 87401
(505) 326-2262 • Fax (505) 326-2388



LEGEND

MW-1 APPROXIMATE WELL LOCATION AND NUMBER

NOT TO SCALE

N

PHILIP ENVIRONMENTAL

TITLE: JOHNSTON FED 3A 89230

DWN:	DES.:	PROJECT NO.: 17520
TMM	CC	EPFS GW PITS
CHKD:	APPD:	
CC		
DATE:	REV.:	FIGURE 1
7/17/97	0	

COL. 17520H-001

FIE PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 89230 Location: JOHNSTON FEDERAL # 3A

Coordinates: Letter: I Section 12 Township: 30 Range: 9

Or Latitude _____ Longitude _____

Date Started : 5-20-94 Area: 10 Run: 22

FIELD OBSERVATIONS

Sample Number(s): KP#61 _____ _____ _____

Sample Depth: 12' Feet

Final PID Reading 391 PID Reading Depth 12' Feet

	Yes	No
Groundwater Encountered	☐ (1)	☒ (2)

Approximate Depth _____ Feet

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 40
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Soil Disposition:

Envirotech	☐ (1)	☒ (3)	Tierra
Other Facility	☐ (2)	Name:	_____

Pit Closure Date: 5-20-94 Pit Closed By: BEI

REMARKS

Remarks : Some LINE MARKERS ON LOCATION Pit LOOKED Dry STARTED Remediating 12'

Signature of Specialist: Kelly Padilla

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP61	945250
MTR CODE | SITE NAME:	89230	Johnston Fed #3A
SAMPLE DATE | TIME (Hrs):	5/20/94	851
PROJECT:	Phase I ~~Drilling~~ Excavation	
DATE OF TPH EXT. | ANAL.:	5/24/94	5/24/94
DATE OF BTEX EXT. | ANAL.:	5/26/94	5/27/94
TYPE | DESCRIPTION:	VC	Gray clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	22.7	MG/KG	10	D		
TOLUENE	715	MG/KG	10	D,D1		
ETHYL BENZENE	107	MG/KG	10	D		
TOTAL XYLENES	1095	MG/KG	10	D,D1		
TOTAL BTEX	1940	MG/KG				
TPH (418.1)	9,580	MG/KG			1.02	28
HEADSPACE PID	391	PPM				
PERCENT SOLIDS	79.5	%				

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

The Surrogate Recovery was at 145 for this sample All QA/QC was acceptable.
The "D" qualifier indicates reported result for analyte is calculated on a secondary dilution factor.
The "D1" qualifier indicates that the analyte concentration exceeded the calibration curve limit.
Surrogate recovery outside EPA 6 QC limits due to matrix interference.
DF = Dilution Factor Used

Approved By: John Faidh INGVZPIT.XLS Date: 5/27/94

EL PASO NATURAL GAS COMPANY

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
11957	Pit Closure Project # 24324

SAMPLERS: (Signature) Kelly Padilla DATE: 5-20-94

	LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020		SCQ			REMARKS
14	S250	5-20-94	0851	Soil	KP #61	1	VC	X	X		55			
~~14~~	KDL 5	5-23-94												
94	S251	5-20-94	1100	soil	KP #62	1	VC	X	X		56			
94	S252	5-20-94	1310	soil	KP #63	1	VC	X	X		57			

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Kelly Padilla	5-20-94 1645	Brenda Kiss	Brenda Kiss	5/23/94 0915	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

10-22 Bloomfield

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well # MW-1
Page 1 of 2

PHILLIP ENVIRONMENTAL
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location Pump Canyon

Elevation
Borehole Location Johnston Federal #3A 8923D
GWL Depth 67.5
Logged By S. Pope
Drilled By M DONOHUE
Date/Time Started 1000 6/13/95
Date/Time Completed 0800 6/14/95

Well Logged By ST Pope
Personnel On-Site Jim Okiet
Contractors On-Site N/A
Client Personnel On-Site N/A

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				Brown Sandy Fill						
5										
10	1	10 12	SS 6	Gray Sand w/silt and trace Clay, fine sand, loose, slightly Moist	SM		0	0	540	1025 strong odor HS = 1094 ppm
15	2	15 17	SS 6	SAA			0	23	622	1031 HS = 1132 ppm
20	3	20 22	SS 8	Gray Sandy Clay w/silt, fine Sand, loose, slightly Moist	SC	20	0	86	448	1050 HS = 690 ppm
25	4	25 27	SS 14	Gray Sand, trace Silt and Clay fine-Med Grained, Slightly Moist	SP		0	235	392	1058 HS = 973 ppm
30	5	30 32	SS 18	SAA Mod Coarse Grained	SP		0	56	279	1105 HS = 1249 ppm
35	6	35 37	SS 10	SAA trace Clay			0	111	421	1115 Not enough for headspace
40										

Comments:

Geologist Signature S. T. Pope

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 2

PHILLIP ENVIRONMENTAL
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location Pump Canyon

Elevation
Borehole Location Johnston Federal #3A
GWL Depth 57.5
Logged By S. Pope
Drilled By M DONOHUE
Date/Time Started 1000 6/13/95
Date/Time Completed 0800 6/14/95

Well Logged By ST Pope
Personnel On-Site Jim Okie
Contractors On-Site N/A
Client Personnel On-Site N/A

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
40										
	7	40 42	55 8	Gray Sand, Med Co grained, Loose, trace silt Slightly Mois	SP	42	0	102	435	1126 Not enough for head sp Driller Noted Change @ 42'
45										
	8	45 47	55 6	Gray Clayey Sand - Med - Coarse Sand w/ silt, Loose, Slightly Mois	SC		2	166	292	1142 Not enough for headspace 1142 ppm
50										
	9	50 52	55 14	Brownish Gray Sand, trace silt and med gravel, Loose, Slightly Moist	SP	50	2	171	301	1157 HS = 456 ppm
55						55				
	10	55 57	55 13	Gray Clayey Sand Med Coarse Sand, Med dense, Moist @ Bottom	SC		2	90	115	1214 HS = 950 ppm
60										
	11	60 62	55 18	Brown Gray inner bedded sand and Clay, Med - Coarse Sand 6" p/s Med Stiff Clay, Med stiff, Saturated			2	86	0	1315 HS = 11 ppm WL = 57.5 BGS 1530 Ream hole w/ 6 1/4 1530 - 1930 6/13/95 Try to Ream Hole w/ 6 1/4 ID Auger Had problems w/ Side wall Restriction. Stop @ 52' 1930 6/13/95 Will Resum 6/14/95 - 6/14/95 0700 - 0800 Cont. Reaming hole w/ 6 1/4 Augers to 70'
65										
70				TOB - 70						
75										
80										
85										
90										

Comments: Will Set 4" well @ 67' w/ 15' Screen. Will set well 6/14/95 if we can get Augers to 67'. 6/14/95 0700 - 0800 Ream to 70' to install well. Over drilled 3' to compensate for heaving sands. * NOTE: Hazard Ranking Changed Groundwater Greater than 50'

Geologist Signature

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	STP3	946897
MTR CODE | SITE NAME:	89230	Johnston Fed #3A
SAMPLE DATE | TIME (Hrs):	6/13/95	1214
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	6/15/95	6/15/95
DATE OF BTEX EXT. | ANAL.:	6/16/95	6/16/95
TYPE | DESCRIPTION:	VG	Dark gray clay w/brown

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.03	MG/KG				
TOLUENE	0.31	MG/KG				
ETHYL BENZENE	0.31	MG/KG				
TOTAL XYLENES	5.40	MG/KG				
TOTAL BTEX	6.04	MG/KG				
TPH (418.1)	154	MG/KG			2.02	28
HEADSPACE PID	950	PPM				
PERCENT SOLIDS	86.9	%				

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

The Surrogate Recovery was at 116 for this sample All QA/QC was acceptable.

Narrative:

ATI analyzed this Sample.

DF = Dilution Factor Used

Approved By: John Fowler INGVZPIT.XLS Date: 6/28/95

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME												CONTRACT LABORATORY P. O. NUMBER
	Pit Closure Project # 24324												
SAMPLERS: (Signature) Scott T. Payne				DATE: 6/13/95			REQUESTED ANALYSIS						
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020			PID PPM	#CNTRS	REMARKS
95	6/13/95	0845	Soil	STP-1	1	VG	✓	✓			12	1	15-12 Johnston Federal 1A 88638
396	"	0845	"	STP-2	1	D	✓	✓					STP 6/13/95 15-117 Johnston Federal 1A 88638
97	"	1214	"	STP-3	1	VG	✓	✓			1.50	2	Bigger and Iced 55-57 Johnston Federal 3A 89230

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Scott T. Payne	6/13/95 3:47 2045	Lynne Crivelli 34	Lynne Crivelli	6/14/95 0935	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
(505) 599-2144
FAX: 505-599-2261

White - Testing Laboratory Canary - EPNG Lab Pink - Field Sample

MONITORING WELL INSTALLATION RECORD

Philip Environmental Services Corp.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1
Well # MW-1
Page ___ of ___

Project Name EPNG Pits Drilling
Project Number ___ Phase ___
Project Location Pump Canyon

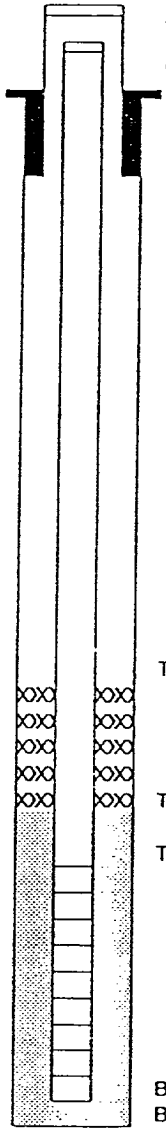
Elevation ___
Well Location Johnston Federal #3A 89230
GWL Depth 57.5
Installed By M. Donohue

Date/Time Started 0800 6/14/95
Date/Time Completed 1130 6/14/95

On-Site Geologist S. Popa
Personnel On-Site J. Oki, M. Donohue
Contractors On-Site N/A
Client Personnel On-Site N/A

Depths in Reference to Ground Surface

Item	Material	Depth
Top of Protective Casing		N/A
Bottom of Protective Casing		N/A
Top of Permanent Borehole Casing		N/A
Bottom of Permanent Borehole Casing		N/A
Top of Concrete		N/A
Bottom of Concrete		N/A
Top of Grout	Cement/Bentonite (5%)	0.0
Bottom of Grout		45.8
Top of Well Riser	4" Sch 40 PVC	+3.1
Bottom of Well Riser		51.6
Top of Well Screen	4" Sch 40 PVC .010 Slot	51.6
Bottom of Well Screen		67.0
Top of Peltonite Seal	No. 8 Grainular Enviro Plug	45.8
Bottom of Peltonite Seal		48.0
Top of Gravel Pack	10-20 Silica	48.0
Bottom of Gravel Pack		70
Top of Natural Cave-In		N/A
Bottom of Natural Cave-In		N/A
Top of Groundwater		57.5
Total Depth of Borehole		70



Top of Protective Casing N/A
Top of Riser 3.1
Ground Surface ___
Top of Seal 45.8
Top of Gravel Pack 48.
Top of Screen 51.6
Bottom of Screen 67
Bottom of Borehole 70

Comments: Borehole was over drilled 3' to compensate for heave sands. 16/50lb Bags 10-20 Sand. 1.5/50lb Bags Enviroplug. 14 Bags Portland Cement, 1/50lb Bag Bentonite powder WL: 57.2 BGS after Installation

Geologist Signature Steve T. Popa

PHILIP ENVIRONMENTAL Well Development and Purging Data

☑ Development ☐ Purging

Well Number Johnston Federal 3A MW-1 89230

Serial No. WDPD-

Page ____ of ____

Project Name EPNG Pit Drilling

Project Manager Cory Chance

Project No. 14509

Client Company EPNG

Phase.Task No. 6003 . 77

Site Name Johnston Federal 3A (89230 STP)

Site Address Pump Canyon

Development Criteria

- ☑ 3 to 5 Casing Volumes of Water Removal
- ☑ Stabilization of Indicator Parameters
- ☐ Other ____

Methods of Development

Pump	Bailer
☐ Centrifugal	☑ Bottom Valve
☑ Submersible	☐ Double Check Valve
☐ Peristaltic	☐ Stainless-steel Kemmerer

☐ Other ____

Water Volume Calculation

Initial Depth of Well (feet) 70.38

Initial Depth to Water (feet) 60.24

Height of Water Column in Well (feet) 10.14

Diameter (inches): Well 4 Gravel Pack ____

Item	Water Volume in Well: Cubic Feet	Water Volume in Well: Gallons	Gallons to be Removed
Well Casing		6.6	6.6
Gravel Pack			
Drilling Fluids			
Total			33.0

Instruments

	Serial No. (If applicable)
☑ pH Meter	Hydac
☐ DO Monitor	
☑ Conductivity Meter	Hydac
☑ Temperature Meter	Hydac
☐ Other ____	

Water Disposal

Drummed and taken to Kutz Pipline

Water Removal Data

Date	Time	Development Method: Pump	Development Method: Bailer	Removal Rate (gal/min)	Intake Depth (feet)	Ending Water Depth (feet)	Water Volume Removed (gallons): Increment	Water Volume Removed (gallons): Cumulative	Product Volume Removed (gallons): Increment	Product Volume Removed (gallons): Cumulative	Temperature (°C) °F	pH	Conductivity (umhos/cm)	Dissolved Oxygen (mg/L)	Comments
7/13/95	1115	X	X				5	5			67.8	6.46	988		Brown Cloudy
	1145		X				5	10			68.2	6.54	1038		
	1203						5	15			67.0	6.52	1299		
	1220						5	20			65.9	6.40	1300		
	1237						5	25			64.1	6.51	1400		
	1254						5	30			66.0	6.50	1404		
7/13/95	1312						5	35			66.1	6.47	1400		Brown Slightly Cloudy

Circle the date and time that the development criteria are met.

Comments Had problems w/Pump had to pull pump and hand bail.

Developer's Signature(s) Jason T. Payne Date 7/13/95 Reviewer STP Date 7/14/95

Form A0101 Rev. 03/21/94

PHILIP ENVIRONMENTAL Water Sampling Data

Location No. Johnston Federal 3A, MW-1 (89230)

Serial No. WSD-

Group List Number

Sample Type: ☑ Groundwater ☐ Surface Water ☐ Other Date 7/13/95

Project Name EPNG Pit Drilling Project No. 14509

Project Manager Cory Chance Phase.Task No. 6003.77

Site Name Johnston Federal 3A (89230)

Sampling Specifications

Requested Sampling Depth Interval (feet) TOP 3'

Requested Wait Following Development/Purging (hours) N/A

Initial Measurements

Time Elapsed From Final Development/Purging (hours) .5

Initial Water Depth (feet) 60.24 (TOR

Nonaqueous Liquids Present (Describe) N/A

Water Quality/Water Collection

DO = Dissolved Oxygen; Cond. = Conductivity

Date	Time	Sampler Initials	Water Quality Readings: Temp. (°C)	pH	DO (mg/L)	Cond. (µmhos/cm)	Water Collection Data: Volume Removed (gallons)	Removal Rate (gal/min)	Pump Intake Depth (feet)	Bail	Final Water Depth (feet)	Notes (Explain in Comments Below)
See Well Development and Purging Data Sheet												

Sample Containers

Container Type: G = Clear Glass; A = Amber Glass; P = Plastic; V = VOA Vial (Glass); O = Other (Specify)

Preservatives: H = HCl; N = HNO_3; S = H_2SO_4; A = NaOH; O = Other (Specify); — = None

Analytical Parameter List	Container: Number	Type	Volume (mL)	Field Filtered: Yes	No	Preserved	Cooled During Collection: Yes	No	Comments
BTEX	2	40	VOA		X	HCl	X		STP-07 1345
~~TDS~~ BTEX	2	40	V		X	HCl	X		STP-08 1350 D
TDS	1	250	P		X	—	X		STP-09 1355
TDS	1	250	P		X	—	X		STP-10 1400
BTEX	1	40	V		X		X		TRIP Blank STP-11 1405

Filter Type

Chain-of-Custody Form Number

Comments

Signature Scott T. Pyron Date 7/13/95 Reviewer STP Date 7/14/95

Form A0202 Rev. 02/24/94

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	STP07&09	946996
MTR CODE | SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE | TIME (Hrs):	7/13/95	1345
PROJECT:	Phase II Drilling-Initial	
DATE OF BTEX EXT. | ANAL.:	7/20/95	7/20/95
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	63.0	PPB				
TOLUENE	90.0	PPB				
ETHYL BENZENE	35.0	PPB				
TOTAL XYLENES	670	PPB				
TOTAL BTEX	858	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 98.0 for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

This sample was tested by ATI Analytical.

Approved By: John Fowler Date: 8/3/95

946996 btex,6/30/97

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Jason T. Pogue DATE: 7/13/95

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020	LAB PID	TDS		SEQUENCE #	REMARKS
946996	7/13/95	1345	Water	STP-07	2	W		X		STP 7/14/95		1	Johnston Federal 3A (89230) MW-1
946997	7/13/95	1350	Water	STP-08	2	WD		X					Johnston Federal 3A (89230) MW-1 Duplicate
946998 6998 KDK	7/13/95 7/14/95	1355	Water	STP-09	1	W				X		81 STP	Johnston Federal 3A (89230) MW-1
946999 6999 KDK	7/13/95	1400	Water	STP-10	1	WD				X			Johnston Federal 3A (89230) MW-1 Duplicate
947000 6998 KDK	7/13/95	1405	Water	STP-11W 7/13/95 STP	1	WB		X					Johnston Federal 3A (89230) Trip Blank
947001 6999 KDK	7/13/95	1650	Water	STP-12	2	W		X				2 STP	Valdez No. 2 (8999) MW-1
947002 6999 KDK	7/13/95	1655	Water	STP-13	1	W				X			Valdez No. 2 (8999) MW-1
	7/14/95												

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Jason T. Pogue	7/13/95 1740	Kelly Stovall	Kelly Stovall	7/14/95 10:16a	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499
505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

Analytical**Technologies,**Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 7/18/95 PAGE 1 OF 2

ATI LAB I.D. 507358

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: JOHN LAMBDIN

COMPANY: EL PASO NATURAL GAS
ADDRESS: P.O. BOX 4990
FARMINGTON, NM 87499
PHONE: (505) 599-2144
FAX: (505) 599-2261

BILL TO: SAME AS ABOVE
COMPANY:
ADDRESS:

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Petroleum Hydrocarbons (418.1)	Diesel/Gasoline (MOD 8015)	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	BETX (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (624/8240)	Polynuclear Aromatics (610/8310)	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)
946991	7/13/95	9:13	Soil	-01	X				X															
946992	↑	11:41	↑	-02	X	X			X															
946993		16:18		-03	X	X			X															
946994		16:18	↓	-04	X	X			X															
946995		16:30	Soil	-05					X															
946996		13:45	Water	-06					X															
946997		13:50	↑	-07					X															
946998	↓	14:05	↓	-08					X															
946999	7/13/95	16:50	Water	-09					X															

PROJECT INFORMATION

PROJ. NO.: 24324
PROJ. NAME: PIT CLOSURE/Phase II Drill Mkr
P.O. NO.: 38822
SHIPPED VIA: FEDERAL EXPRESS

SAMPLE RECEIPT

NO. CONTAINERS: 19
CUSTODY SEALS: (Y) I N / NA
RECEIVED INTACT: 34°F
RECEIVED COLD: 34°F

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☒ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments:
CHARGE CODE: 50% 108-51570-24-0001-0012-31-2010 7210
50% 108-52452-24-0001-0012-31-2010 7210
QA/QC ON PROJECT SAMPLES

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY:
Signature: Time:	Signature: Time: 14:30	Signature: Time:
Printed Name: Date:	Printed Name: Rhea Bays Date: 7/18/95	Printed Name: Date:
Company: Phone:	Company: EL PASO NATURAL GAS	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB)
Signature: Time:	Signature: Time:	Signature: Time: 0750
Printed Name: Date:	Printed Name: Date:	Printed Name: Andrew Parker Date: 7-19-95
Company:	Company:	Analytical Technologies, Inc.

AnalyticalTechnologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF CUSTODY

DATE: 7/18/95 PAGE 2 OF 2

ATI LAB I.D. 507358

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: JOHN LAMBDIN

COMPANY: EL PASO NATURAL GAS
ADDRESS: P.O. BOX 4990
FARMINGTON, NM 87499
PHONE: (505) 599-2144
FAX: (505) 599-2261

BILL TO: SAME AS ABOVE
COMPANY:
ADDRESS:

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	BETX (8020)
~~946700~~ KB 11/9/95 947005	7/14/95	11:23	Soil	-10	X
947006	7/14/95	15:25	↑	-11	X
947007	7/17/95	09:20		-12	X
947008	↑	11:33	↓	-13	X
947009	↓	13:20	Soil	-14	X
947019	7/17/95	15:25	Water	-15	X

Petroleum Hydrocarbons (418.1)
(MOD 8015) Gas/Diesel
Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)
BTXE/MTBE (8020)
Chlorinated Hydrocarbons (601/8010)
Aromatic Hydrocarbons (602/8020)
SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.
Pesticides/PCB (608/8080)
Herbicides (615/8150)
Base/Neutral/Acid Compounds GC/MS (625/8270)
Volatile Organics GC/MS (624/8240)
Polynuclear Aromatics (610/8310)
SDWA Primary Standards - Arizona
SDWA Secondary Standards - Arizona
SDWA Primary Standards - Federal
SDWA Secondary Standards - Federal
The 13 Priority Pollutant Metals
RCRA Metals by Total Digestion
RCRA Metals by TCLP (1311)

PROJECT INFORMATION

PROJ. NO.: 24324
PROJ. NAME: PIT CLOSURE/Plant II Drill M/W
P.O. NO.: 38822
SHIPPED VIA: FEDERAL EXPRESS

SAMPLE RECEIPT

NO. CONTAINERS	
CUSTODY SEALS	Y / N / NA
RECEIVED INTACT	
RECEIVED COLD	34° F

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

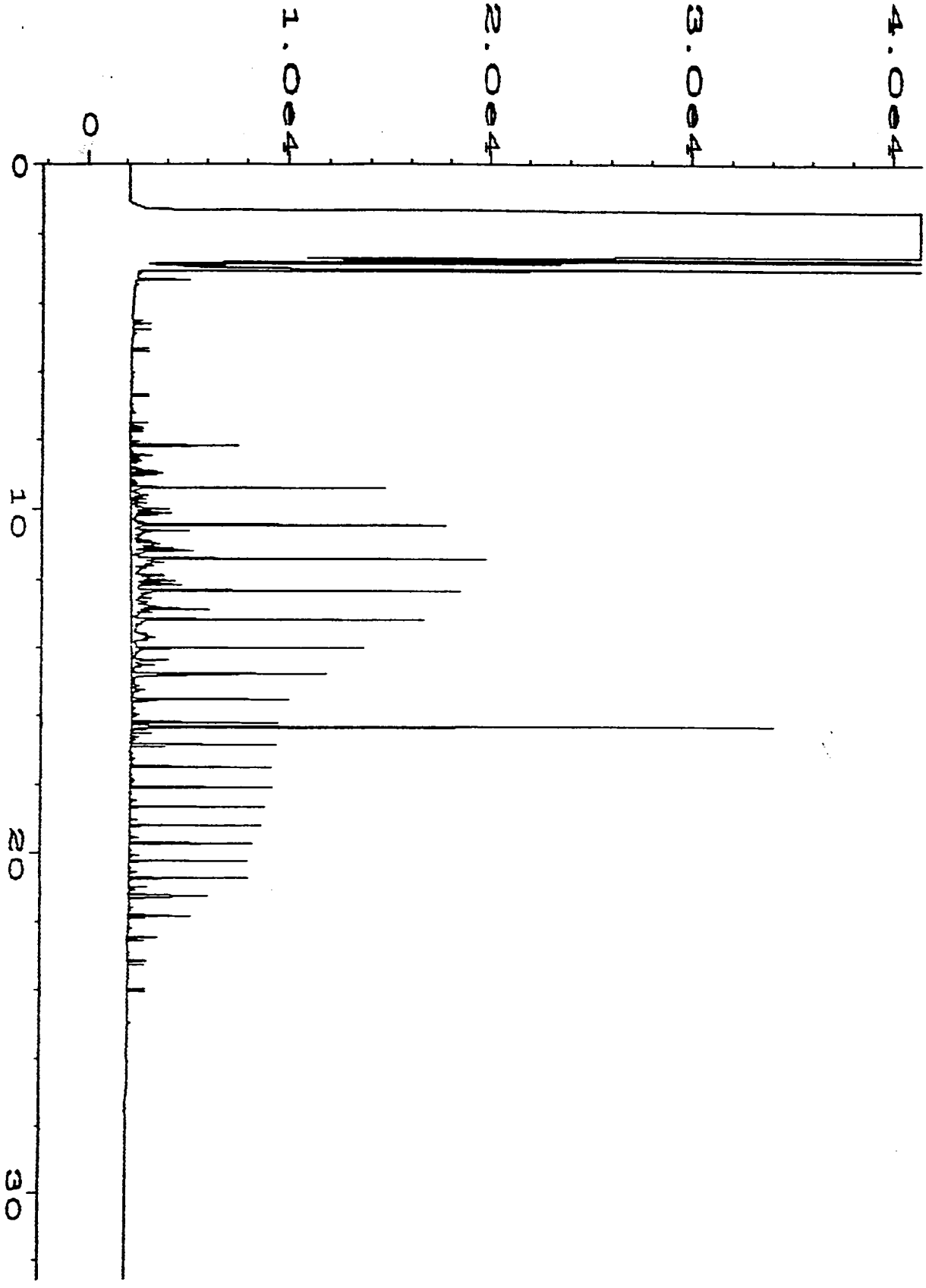
(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☒ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments:
CHARGE CODE: 50% 108-51570-24-(XXX)1-(X)12-31-~~2010~~ 7210
50% 108-52452-24-(XXX)1-(X)12-31-~~2010~~ 7210

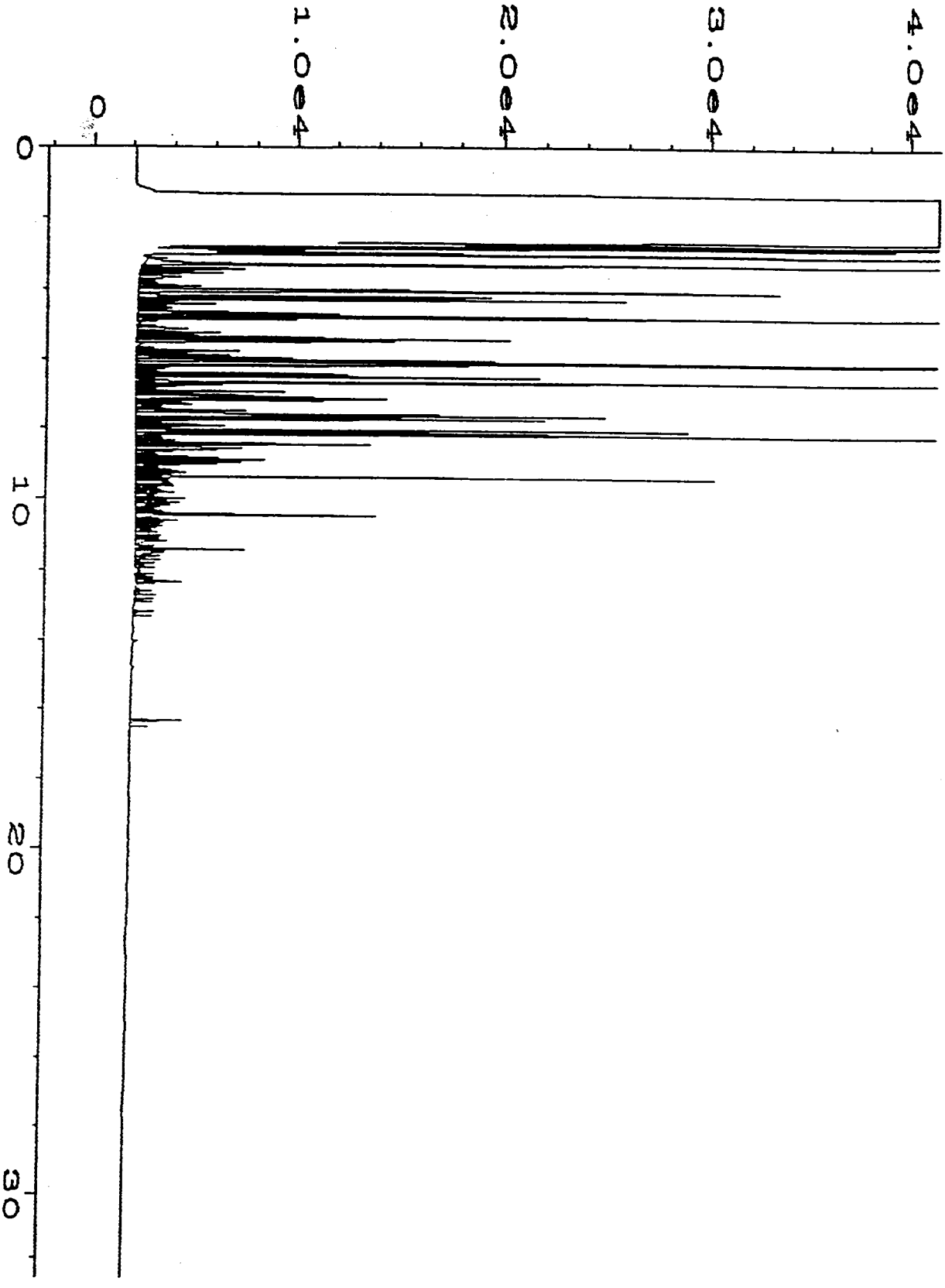
QA/QC ON PROJECT SAMPLES

SAMPLED & RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY:
Signature: Time:	Signature: Time: 14:30	Signature: Time:
Printed Name: Date:	Printed Name: Rhea Bays Date: 7/18/95	Printed Name: Date:
Company: Phone:	Company: EL PASO NATURAL GAS	Company:

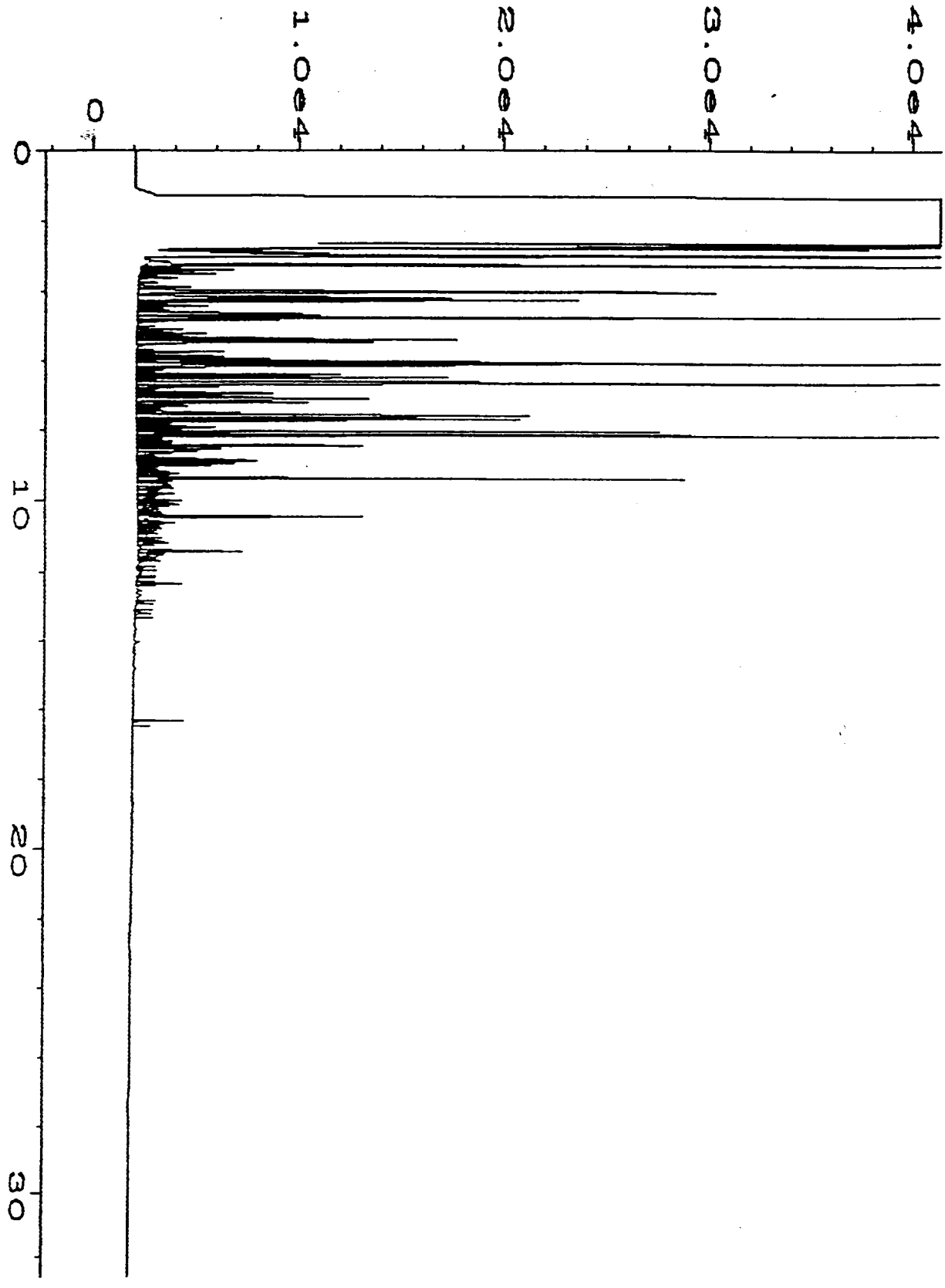
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY:(LAB)
Signature: Time:	Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Analytical Technologies, Inc.



Data File Name	: C:\HPCHEM\1\DATA\22JUL95\010F0201.D		
Operator	: CF & JE & KM	Page Number	: 1
Instrument	: GC#1 5890	Vial Number	: 10
Sample Name	: 507358-02	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 22 Jul 95 07:43 PM	Instrument Method	: SDF1219.MTH
Report Created on	: 22 Jul 95 08:31 PM	Analysis Method	: SDF1219.MTH

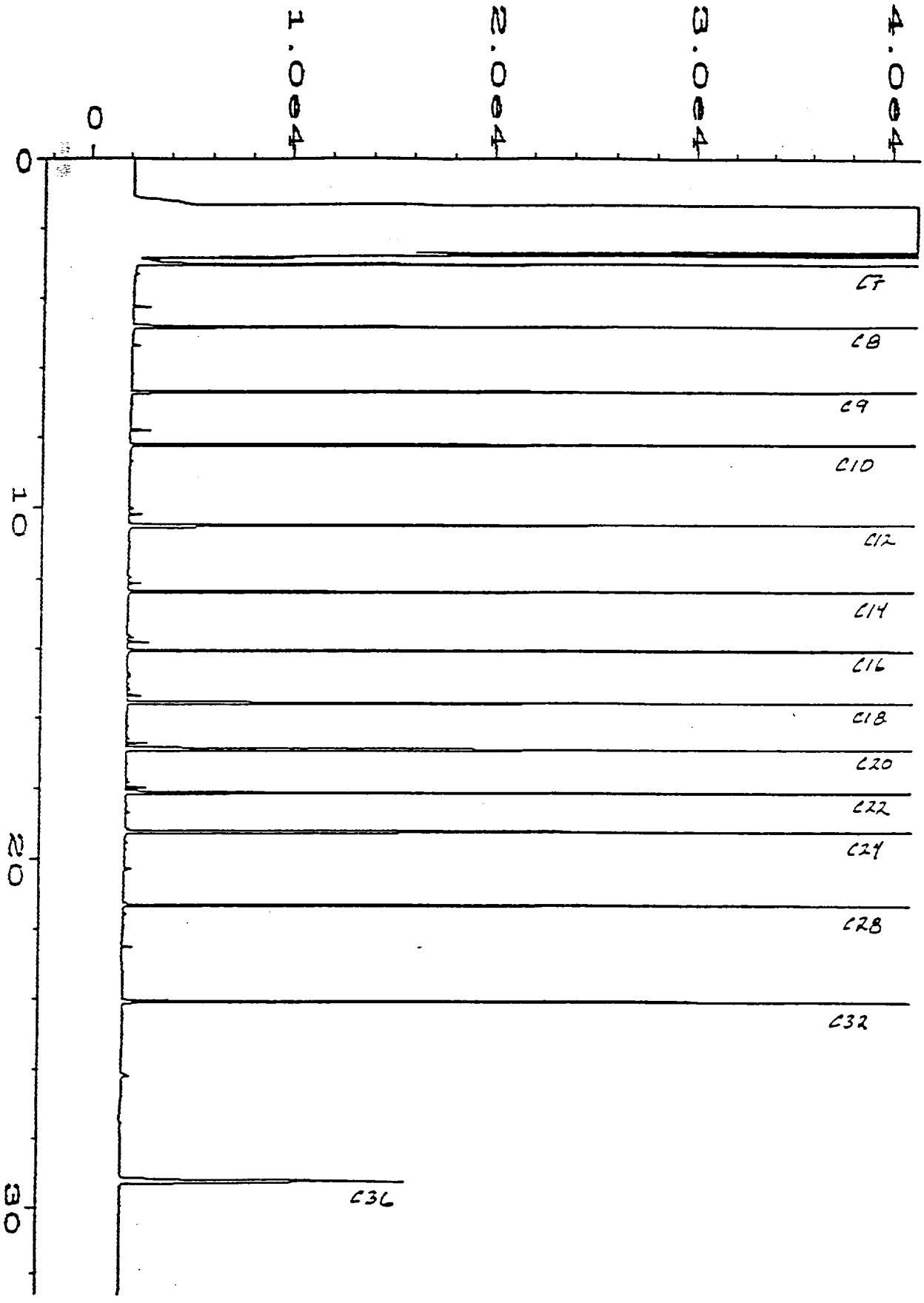


Data File Name	: C:\HPCHEM\1\DATA\24JUL95\005F0201.D		
Operator	: CF & JE & KM	Page Number	: 1
Instrument	: GC#1 5890	Vial Number	: 5
Sample Name	: 507358-03*10	Injection Number	: 1
Run Time Bar Code:		Sequence Line	: 2
Acquired on	: 24 Jul 95 02:57 PM	Instrument Method	: SGF0413.MTH
Report Created on	: 24 Jul 95 03:31 PM	Analysis Method	: SGF0413.MTH



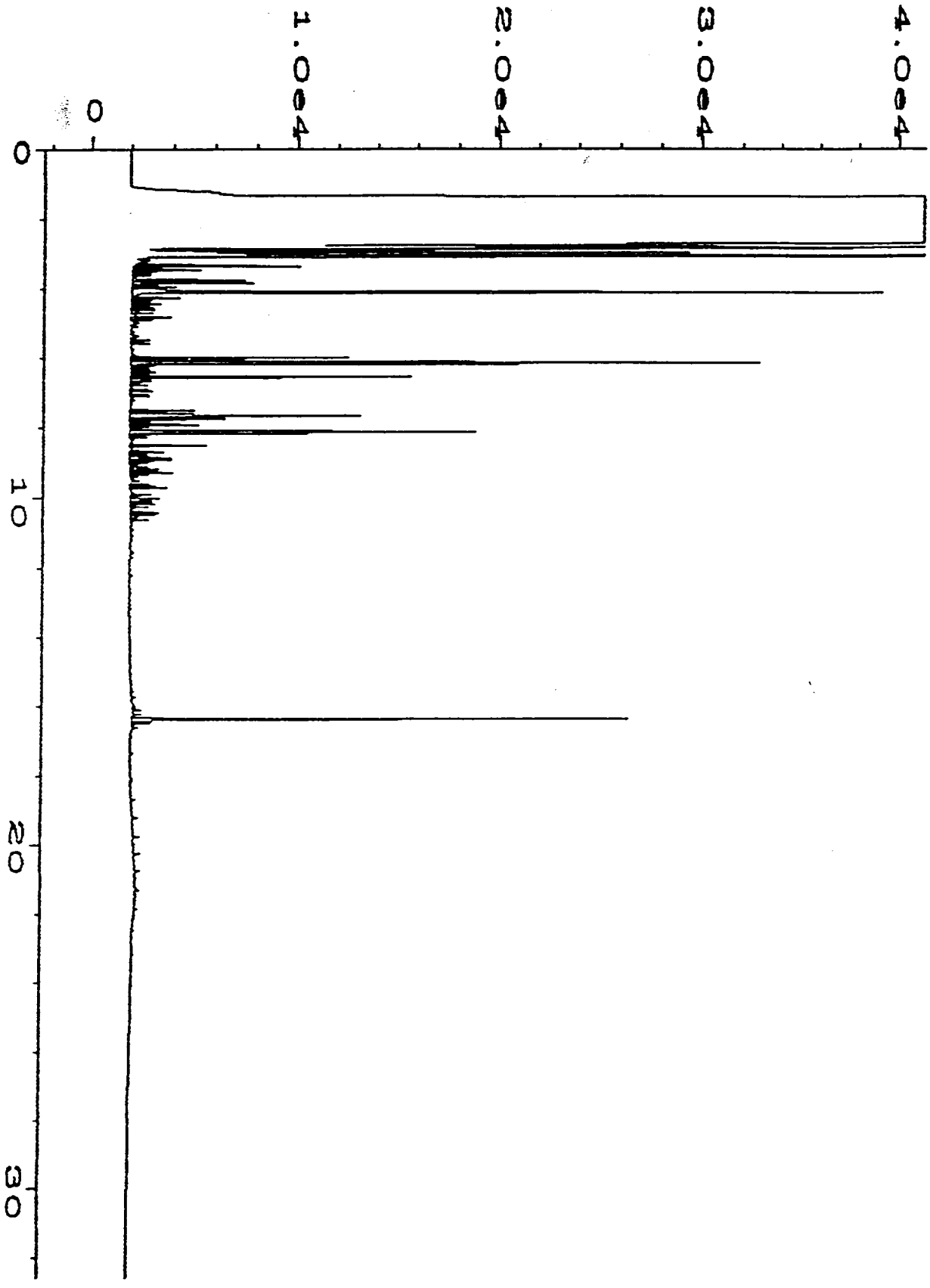
Data File Name : C:\HPCHEM\1\DATA\24JUL95\006F0201.D
Operator : CF & JE & KM
Instrument : GC#1 5890
Sample Name : 507358-04*10
Run Time Bar Code:
Acquired on : 24 Jul 95 03:31 PM
Report Created on: 24 Jul 95 04:24 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 2
Instrument Method: SGF0413.MTH
Analysis Method : SGF0413.MTH

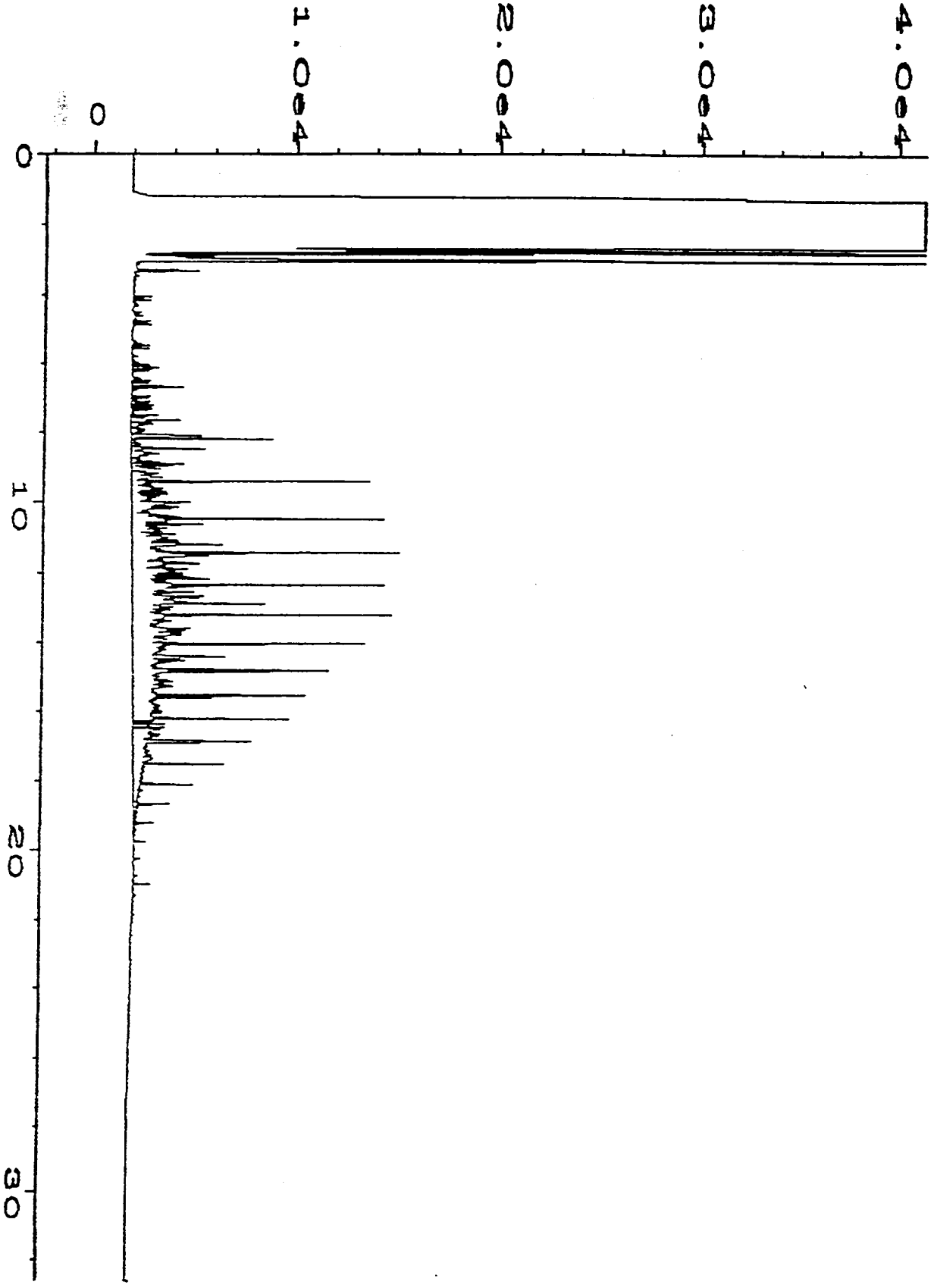


Data File Name : C:\HPCHEM\1\DATA\11APR95\006F0301.D
Operator : CF & JE & KM
Instrument : GC#1 5890
Sample Name : RT STD
Run Time Bar Code:
Acquired on : 11 Apr 95 01:43 PM

Page Number : 1
Vial Number : 6
Injection Number : 1
Sequence Line : 3
Instrument Method: SDF1219.MTH



ata File Name : C:\HPCHEM\1\DATA\14JUL95\004F0201.D
Operator : CF & JE & KM
Instrument : GC#1 5890
Sample Name : GAS GC3-57-23
Run Time Bar Code:
Acquired on : 14 Jul 95 05:46 PM
Page Number : 1
Vial Number : 4
Injection Number : 1
Sequence Line : 2
Instrument Method: SGF0413.MTH



Data File Name : C:\HPCHEM\1\DATA\14JUL95\003F0101.D
Operator : CF & JE & KM
Instrument : GC#1 5890
Sample Name : DSL GC3-56-13
Run Time Bar Code:
Acquired on : 14 Jul 95 04:57 PM
Page Number : 1
Vial Number : 3
Injection Number : 1
Sequence Line : 1
Instrument Method: SDF1219.MTH

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	960327
MTR CODE | SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE | TIME (Hrs):	4/10/96	1725
PROJECT:	Sample 4 - 1st Quarter	
DATE OF BTEX EXT. | ANAL.:	4/12/96	4/12/96
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	12.9	PPB				
TOLUENE	5.30	PPB				
ETHYL BENZENE	5.29	PPB				
TOTAL XYLENES	138	PPB				
TOTAL BTEX	161	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 97.6 for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: John Fuller Date: 4/19/96

960327 btex,6/30/97

EL PASO Natural Gas Company

CHAIN OF CUSTODY RECORD

oject No.	Project Name	Total No. of Containers	Chain of Custody Seals	Intact?	Requested Analysis: Composite or Grab	See Attached	BTXE	General Chemistry	8 RCRA Metals	Contract Laboratory
	BLOOMFIELD P/L									EPFS
Samplers: (Signature)	Date	Receiving Temp (°F)								
Dennis Bird	4-10-96	30°								

Lab ID	Date	Time	Matrix	Sample Number	Total No. of Containers	Chain of Custody Seals	Intact?	Composite or Grab	See Attached	BTXE	General Chemistry	8 RCRA Metals	Remarks
	4/10/96	1502	WATER	960325	4			G		X	X	X	W.D. HEATH B-5 (mtr# 87493)
	4/10/96	1635	WATER	960326	4			G		X	X	X	SANDOVAL GC A #1A (mtr# 89620)
	4/10/96	1725	WATER	960327	4			G		X	X	X	JOHNSTON FEDERAL #3A
	4/10/96		WATER		1			G		X			TRIP BLANK (mtr# 89230)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	4-11-96 0810				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
		Marla Armenta	4/11/96 0825		
Results & Invoices to::		Charge Code		Date Results Reported / by: (Signature)	

WHITE-Testing Laboratory YELLOW-EPNG Lab PINK-Field Sampler

san juan repro Form 71-85

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	960657
MTR CODE | SITE NAME:	89230	Johnson Fed #3A MW-1
SAMPLE DATE | TIME (Hrs):	7/26/96	1452
PROJECT:	Sample 4 - 2nd Quarter	
DATE OF BTEX EXT. | ANAL.:	7/30/96	7/30/96
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	8.21	PPB				
TOLUENE	1.56	PPB				
ETHYL BENZENE	6.63	PPB				
TOTAL XYLENES	96.2	PPB				
TOTAL BTEX	113	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 88.3 for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: John Parker Date: 8/14/96

960657 btex,6/30/97

Natural Gas Company

CHAIN OF CUSTODY RECORD

A 2597

Project No.	Project Name	Type and No. of Sample Containers	Requested Analysis: Preservation Technique	Requested Analysis: BTXE	Requested Analysis	Requested Analysis	Remarks
	BLOOMFIELD PIPELINE						

Samplers: (Signature) Date: 7-26-96

Date	Time	Comp.	GRAB	Sample Number							
7-26-96	1142		X	960654	(3)		X				W.C. HEATH RES. MW-1 MC #7493
7-26-96	1307		X	960655	(3)		X				SANDOVAL GC AIR MW-1 MC #7620
7-26-96	1307		X	960656	(3)		X				SANDOVAL GC AIR MW-1 MC #7620
7-26-96	1452		X	960657	(3)		X				JOHNSON FEDERAL 3 MW-1 MC #7620
7-26-96	—		X	—	(3)		X				TRIP BLANK

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	7-26-96 1625				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
		[signature]	7/29/96 0905		

Carrier Co: Carrier Phone No. Date Results Reported / by: (Signature)

Air Bill No.:

EL PASO FIELD SERVICES
FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	960871
MTR CODE | SITE NAME:	89230	Johnston Fed #3A MW-1
SAMPLE DATE | TIME (Hrs):	10/18/96	1428
PROJECT:	Sample 4 - 3rd Quarter	
DATE OF BTEX EXT. | ANAL.:	10/22/96	10/22/96
TYPE | DESCRIPTION:	Monitor ~~Grab~~ Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	6.76	PPB				
TOLUENE	1.01	PPB				
ETHYL BENZENE	5.55	PPB				
TOTAL XYLENES	44.6	PPB				
TOTAL BTEX	57.9	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 115 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Scott Date: 10-24-96

960870.XLS,10/23/96

El Paso Natural Gas Company

A 2275

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers	Preservation Technique	Requested Analysis			Remarks
	BLOOMFIELD PIPELINE			BTXE			
Samplers: (Signature) Dennis Bird	Date: 10-18-96						

	Date	Time	Comp.	GRAB	Sample Number						
	10-18-96	1428		X	960871	5-2		X				JOHNSTON FEDERAL 32A #1 MC 8923C

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	10-18-96 1621				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
		[illegible] Hopper	10/21/96 0810		
Carrier Co:		Carrier Phone No.	Date Results Reported / by: (Signature)		
Air Bill No.:					

EL PASO FIELD SERVICES

5-6-97

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	970305
MTR CODE | SITE NAME:	89230	Johnson Federal #3A MW-1
SAMPLE DATE | TIME (Hrs):	4/16/97	was 5th 1535
PROJECT:	Sample 4 - 1st Quarter	JF. 4/24/97
DATE OF BTEX EXT. | ANAL.:	4/18/97	4/18/97
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	6.15	PPB				
TOLUENE	<1.0	PPB				
ETHYL BENZENE	5.63	PPB				
TOTAL XYLENES	50.8	PPB				
TOTAL BTEX	62.6	PPB				

The Surrogate Recovery was at 96.8 % for this sample All QA/QC was acceptable.

Narrative:

Approved By: John Faldh Date: 4/24/97

970305.XLS,4/21/97

El Paso Natural Gas Company

A 2207

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers	Preservation Technique	Requested Analysis				Remarks
	BLOOMFIELD PIPELINE			BTXE	BENZENE ONLY	TCLP METALS		
Samplers: (Signature) Dennis Bird	Date: 4-16-97							

Matrix	Date	Time	Comp.	GRAB	Sample Number							
WATER	4/16/97	1535		X	971307	2	4°C	X	X	X		JOHNSTON FED. 3A MW1 MC 8230

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	4/16/97 1717				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks:	
		Marlon Hopper	4/21/97 0710		

Carrier Co: | Carrier Phone No. | Date Results Reported / by: (Signature)

Air Bill No.: