3R - 155

REPORTS

DATE:

1997

EL PASO ENERGY

Certified Mail: #Z 295 387 297; #Z 295 387 296

February 27, 1998

Mr. William C. Olson
New Mexico Oil Conservation Division
2040 S. Pacheco
Santa Fe, NM 87504

Re: 1997 Groundwater Annual Report

Dear Mr. Olson:

In accordance with reporting requirements, El Paso Field Services (EPFS) has enclosed annual updates for 57 groundwater impacted locations that were identified during our pit closure project of 1994/1995.

Of the 57 reports, EPFS hereby requests your approval for closure of 11 of these locations. The 11 reports for which EPFS requests closure, are in 2 separate binders entitled "Request for Closure".

After you have had an opportunity to review these updates, EPFS would like to schedule a meeting with you to discuss issues related to closure criteria for some of the more complex locations that are currently being addressed.

If you have any questions regarding this information, please call me at 505/599-2141. I will contact you within the next quarter to schedule a meeting.

Sincerely,

Sandra D. Miller
Environmental Manager

xc: Mr. Bill Liesse, BLM w/o enclosures
Mr. Denny Foust, NMOCD - Aztec w/enclosures; **Certified Mail #Z 295 387 298; #Z 295 387 299**
Ms. Charmaine Tso, Navajo EPA w/enclosures; **Certified Mail #Z 295 387 292**

El Paso Energy Corporation 614 Reilly Avenue Farmington, New Mexico 87401 Phone (505) 325-2841 Fax (505) 599-2119

SAN JUAN BASIN PIT CLOSURES
San Juan Basin, New Mexico

El Paso Field Services Pit Project Groundwater Report
Annual Report

March 1998

Prepared For

El Paso Field Services
Farmington, New Mexico

Project 17520

PHILIP ENVIRONMENTAL

CANADA MESA #2
Meter/Line ID - 87640

SITE DETAILS

Legals - Twn: 24N **Rng:** 6W **Sec:** 24 **Unit:** I
NMOCD Hazard Ranking: 40 **Land Type:** FEDERAL
Operator: MERRION OIL AND GAS CORP.

PREVIOUS ACTIVITIES

Site Assessment: Jul-94 **Excavation:** Aug-94 (80 cy) **Soil Boring:** Aug-95
Monitor Well: Aug-95

1997 ACTIVITIES

Quarterly Groundwater Monitoring - Quarterly groundwater monitoring was initiated on 11/4/96 and has continued into 1997. Groundwater analytical data are presented in Table 1.
Well Point Installation - Groundwater samples were collected from temporary monitoring wells. In addition, groundwater gradient was determined using the temporary monitoring wells.
Product Removal - A passive product removal system was installed in MW-1 on 8/28/97. Quarterly groundwater sampling was discontinued when product removal was initiated.

CONCLUSIONS

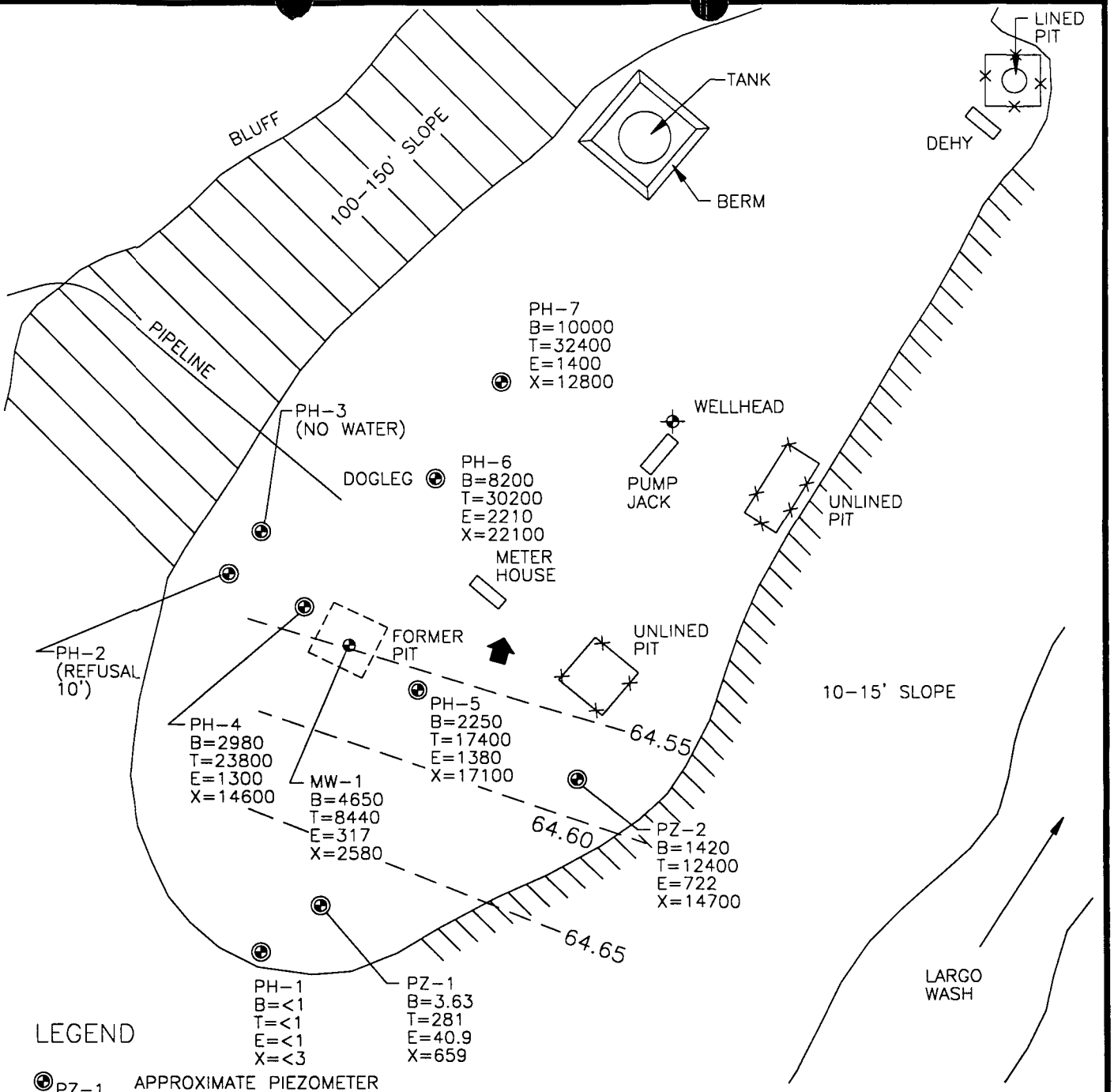
Based on groundwater levels collected from Well Point data, the groundwater flow trends to the northeast on this site, as presented in Figure 1. The northwestern side of the site is bound by sandstone bluffs, and the eastern edge is bordered by Largo Wash.

Less than one foot of product has been measured in MW-1 since installation. Approximately 9 gallons of product has been removed since the installation of the product skimmer. All product has been disposed of at EPFS' Kutz Separator in Bloomfield, NM. Seven groundwater samples were collected from temporary monitoring wells up and downgradient of MW-1. Two downgradient samples and three cross-gradient samples were all above standards for BTEX. One up-gradient sample collected from PH-1 was below standards for BTEX. No product was measured in any of the temporary wells, after they stabilized for 24 hours. The northeastern and eastern extent of contamination have not been defined at this time. Offsite work will be required to determine the eastern extent of contamination.

In addition to EPFS's former pit, there are two unlined pits on-site which may also be potential contaminant sources.

RECOMMENDATIONS

- EPFS proposes to conduct no further action at this site, until the operator commences with remediation of their production pits.
- Continue product removal at MW-1.
- Discontinue quarterly groundwater sampling at MW-1 until product removal is complete.
- Site is extremely remote. Once free phase product is removed, site may be candidate for risk based closure.



PHILIP SERVICES CORP	TITLE: CANADA MESA #2 87640	DWN: TMM / DES.: CC	PROJECT NO.: 17520 EPFS GW PITS
		CHKD: CC / APPD:	
		DATE: 1/20/98 / REV.: 0	FIGURE 1

COL. 17520AW-001

TABLE 1

Sample #	Meter/ Line #	Site Name	Sample Date	MW #	Project	Benzene (PPB)	Toluene (PPB)	Ethyl Benzene (PPB)	Total Xylenes (PPB)	Total BTEX
960918	87640	Canada Mesa #2	11/04/96	1	Sample 4 - 1st Quarter	= 5520	= 8880	= 469	= 3920	= 18789
970069	87640	Canada Mesa #2	2/5/97	1	Sample 4 - 2nd Qtr	= 3450	= 5200	= 214	= 1770	= 10634
970397	87640	Canada Mesa #2	5/7/97	1	Sample 4 - 3rd Qtr	= 4650	= 8440	= 317	= 2580	= 16000

07-61 Ballard

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 2

PHILIP 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 Canada Mesa #2 87640

Elevation
Borehole Location QI-S24-T24-R6
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 8/14/95 -1230
Date/Time Completed 8/15/95 -1220

Well Logged By CM Chance
Personnel On-Site K Padilla, O. Charlie, H. Kail
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/4" ID HSA to 35' / 8 1/4 I.D to 43.5
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	S HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	18"	lt gry silty SAND, loose, sl moist vf-f sand, odor			1	80	561/295	1232 hr
20	2	20-22	12"	Br-BLK clayey SAND, vf-f sand, med dense, sl moist, odor			0	39	462/190	1239
				AA						
25	3	25-27	12"	Brn SAND, vf-F sand med dense, dry			11	48	320/273	1248
				lt Br sandy CLAY, vf sand, med stiff, med plastic, sl moist						
30	4	30-32	8"	Redish Br Sandstone, subxxlv, hard			22	51	148/214	1258
35	5	35-35.1	0"	No Recovery			10	20	NA	1311 GW @ 33.5 BGS after 15 min
40										8/15/95

Comments: GW @ 33.5' after setting 15 min. Will ream hole to 43.5' w/ 8 1/4 I.D auger. SMC74 (30-32') sent to lab (BTEX, TPH). Will finish reaming hole & set well on 8/15/95

Geologist Signature Cory Chance

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 2 of 2

PHILIP 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 Canada Mesa #2 8764D

Elevation
Borehole Location QI- S24-T24-R6
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 8/14/95 - 1230
Date/Time Completed 8/15/95 - 1220

Well Logged By CM Chance
Personnel On-Site K Padilla, D Charlie, H. Keil
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/4" ID HSA / Ream w/ 8¼ I.D.
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	S HS	Drilling Conditions & Blow Counts
40										*Saturated Cuttings
45				TD 845'						
50										
55										
60										
65										
70										
75										
80										

Comments:

Geologist Signature Cmy Chance

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 1 of 1

Project Name EPNG Pits

Project Number 14509 Phase 6001.77
Project Location Canada Mesa #2 87540

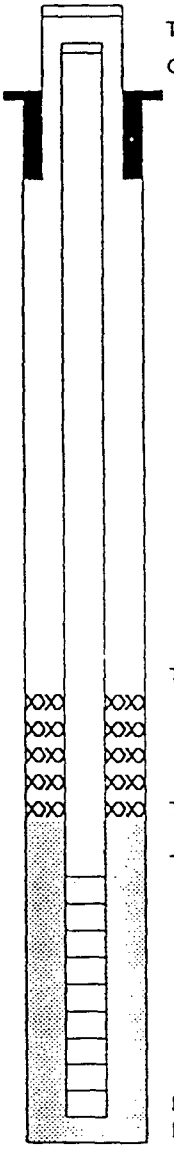
Elevation
Well Location UI-S24-T24-R6
GWL Depth 33.5'
Installed By K. Padilla

Date/Time Started 8/15/95 - 1230
Date/Time Completed 8/15/95 - 1500

On-Site Geologist CM Chance
Personnel On-Site E. Rivera, D. Charlie
Contractors On-Site
Client Personnel On-Site

Depths in Reference to Ground Surface

Item	Material	Depth
Top of Protective Casing		NA
Bottom of Protective Casing		NA
Top of Permanent Borehole Casing		NA
Bottom of Permanent Borehole Casing		NA
Top of Concrete		NA
Bottom of Concrete		NA
Top of Grout	9 - 94# Type I-II Portland Cement	0'
Bottom of Grout	.5 - 50# Powder bentonite	23'
Top of Well Riser	30' - Sch 40 PVC	
Bottom of Well Riser	4" dia flush thread	28'
Top of Well Screen	15' - sch40 PVC 4" dia. flush	28'
Bottom of Well Screen	thread 0.01 slot	43'
Top of Peltonite Seal	2 - 50# bags	23'
Bottom of Peltonite Seal	Enviroplug chips Bentonite	25'
Top of Gravel Pack	24 - 50# bags	25'
Bottom of Gravel Pack	10-20 silica sand	44'
Top of Natural Cave-In		44'
Bottom of Natural Cave-In		45'
Top of Groundwater		33.5'
Total Depth of Borehole		45'



Top of Protective Casing NA
Top of Riser +2'
Ground Surface 0'
Top of Seal 23'
Top of Gravel Pack 25'
Top of Screen 28'
Bottom of Screen 43'
Bottom of Borehole 45'

Comments: Bentonite hydrated w/ 10 gal potable water

Geologist Signature Cory Chance

WELLPOINTS

EPNG Natural Gas Company

Well Points

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Cory Chavez DATE: 8/6/97

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
970818	8/6/97	1000	Water	CMC 326	2	VG		✓					D Loop Drip LD 169 PZ2
970819	↓	—	↓	Trip Blank	1	TB		✓					Trip Blank
970820		1310		CMC 327	2	VG		✓					Canada Mesa #2 87640 PZ1
970821	↓	1430	↓	CMC 328	2	VG		✓					" PZ2
		*	SAMPLE BOTTLE TAKEN		@	1430	LISTED	25				CMC 328 - Index 1050	

Cor 8/6/97

35°

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Cory Chavez	8/6/97 1700		Cris Williams	8-7-97 1037	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
				8/7/97 1037	Marla Armenta

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

FM-08-0565 A (Rev. 05-94)

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC327	970820
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/6/97	1310
PROJECT:	WellPoints	
DATE OF BTEX EXT. | ANAL.:	8/11/97	8/11/97
TYPE | DESCRIPTION:	PZ-1	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	3.63	PPB				
TOLUENE	281	PPB		D1		
ETHYL BENZENE	40.9	PPB				
TOTAL XYLENES	659	PPB		D1		
TOTAL BTEX	985	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 97.5 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D1" qualifier indicates that the analyte concentration exceeded the calibration curve limit.

Narrative:

Approved By: _____ Date: 8/13/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC328	970821
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/6/97	1430
PROJECT:	WellPoints	
DATE OF BTEX EXT. | ANAL.:	8/12/97	8/12/97
TYPE | DESCRIPTION:	PZ-2	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	1420	PPB	25	D		
TOLUENE	12400	PPB	100	D		
ETHYL BENZENE	722	PPB	25	D		
TOTAL XYLENES	14700	PPB	100	D		
TOTAL BTEX	29242	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 93.4 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Gardner Date: 8/13/97

970821,8/13/97

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX

Samples: 970815 - 970821, 970828, 970830 - 970834

QA/QC for 8/11/97 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.4	94.8	75 - 125 %	X	
Toluene	Standard	50.0	47.6	95.1	75 - 125 %	X	
Ethylbenzene	Standard	50.0	47.8	95.7	75 - 125 %	X	
m & p - Xylene	Standard	100	94.3	94.3	75 - 125 %	X	
o - Xylene	Standard	50.0	48.3	96.5	75 - 125 %	X	

SAMPLE NUMBER LCS LA-45476 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	24.0	96.1	39 - 150	X	
Toluene	Standard	25.0	24.4	97.6	46 - 148	X	
Ethylbenzene	Standard	25.0	24.5	98.2	32 - 160	X	
m & p - Xylene	Standard	50.0	48.3	96.6	Not Given	X	
o - Xylene	Standard	25.0	24.0	96.0	Not Given	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.7	95.4	75 - 125 %	X	
Toluene	Standard	50.0	47.5	94.9	75 - 125 %	X	
Ethylenzene	Standard	50.0	47.6	95.3	75 - 125 %	X	
m & p - Xylene	Standard	100	93.5	93.5	75 - 125 %	X	
o - Xylene	Standard	50.0	48.1	96.2	75 - 125 %	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.0	93.9	75 - 125 %	X	
Toluene	Standard	50.0	46.4	92.8	75 - 125 %	X	
Ethylbenzene	Standard	50.0	46.3	92.5	75 - 125 %	X	
m & p - Xylene	Standard	100	90.3	90.3	75 - 125 %	X	
o - Xylene	Standard	50.0	46.8	93.6	75 - 125 %	X	

Narrative: Acceptable.

EL PASO FIELD SERVICES LAB

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 970815 - 970821, 970828, 970830 - 970834

BORATORY DUPLICATES:

SAMPLE ID 970816	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Toluene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Ethylbenzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
m & p - Xylene	Matrix Duplicate	<2	<2	0.00	+/- 20 %	X	
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID 2nd Analysis 970816	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	50	<1	48.4	96.9	75 - 125 %	X	
Toluene	50	<1	47.5	95.0	75 - 125 %	X	
Ethylbenzene	50	<1	47.7	95.4	75 - 125 %	X	
m & p - Xylene	100	<2	93.9	93.9	75 - 125 %	X	
o - Xylene	50	<1	48.2	96.4	75 - 125 %	X	

Narrative: Acceptable

ITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (Four analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: J.J. Approved By: John Sanders ate: 8/14/97

Qw081197

EL PASO Natural Gas Company

Well Points

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Cory Chavez DATE: 8/7/97

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
970830	8/7/97	1050	Water	CMC ~~328~~ 329 (m) 8/8/97	2	VB		✓					Canada Mesa #2 8764D PH1
			Water	CMC 329	2	VB		✓		Cory 8/7/97			" PH2
970831				Trip Blank	1	TB		✓					Trip Blank

Cory 8/7/97

CONTRACT LABORATORY P. O. NUMBER

REQUESTED ANALYSIS

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Cory Chavez	8/7/97 1700	Cory Chavez	Cory Chavez	8/8/97 0840	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
				8/8/97 0840	Marla Armenta

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*

FM-08-0565 A (Rev. 05-94)

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC329	970830
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/7/97	1050
PROJECT:	WellPoints	
DATE OF BTEX EXT. | ANAL.:	8/11/97	8/11/97
TYPE | DESCRIPTION:	PH-1	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	< 1	PPB				
TOLUENE	< 1	PPB				
ETHYL BENZENE	< 1	PPB				
TOTAL XYLENES	< 3	PPB				
TOTAL BTEX	< 6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 94.4 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: _____ Date: 8/13/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	NA	970831
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/7/97	1050
PROJECT:	WellPoints	
DATE OF BTEX EXT. | ANAL.:	8/11/97	8/11/97
TYPE | DESCRIPTION:	Trip Blank	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 97.3 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: John Fowler Date: 8/13/97

970831,8/13/97

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 970815 - 970821, 970828, 970830 - 970834

QA/QC for 8/11/97 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.4	94.8	75 - 125 %	X	
Toluene	Standard	50.0	47.6	95.1	75 - 125 %	X	
Ethylbenzene	Standard	50.0	47.8	95.7	75 - 125 %	X	
m & p - Xylene	Standard	100	94.3	94.3	75 - 125 %	X	
o - Xylene	Standard	50.0	48.3	96.5	75 - 125 %	X	

SAMPLE NUMBER LCS LA-45476 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	24.0	96.1	39 - 150	X	
Toluene	Standard	25.0	24.4	97.6	46 - 148	X	
Ethylbenzene	Standard	25.0	24.5	98.2	32 - 160	X	
m & p - Xylene	Standard	50.0	48.3	96.6	Not Given	X	
o - Xylene	Standard	25.0	24.0	96.0	Not Given	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.7	95.4	75 - 125 %	X	
Toluene	Standard	50.0	47.5	94.9	75 - 125 %	X	
Ethylenzene	Standard	50.0	47.6	95.3	75 - 125 %	X	
m & p - Xylene	Standard	100	93.5	93.5	75 - 125 %	X	
o - Xylene	Standard	50.0	48.1	96.2	75 - 125 %	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	47.0	93.9	75 - 125 %	X	
Toluene	Standard	50.0	46.4	92.8	75 - 125 %	X	
Ethylbenzene	Standard	50.0	46.3	92.5	75 - 125 %	X	
m & p - Xylene	Standard	100	90.3	90.3	75 - 125 %	X	
o - Xylene	Standard	50.0	46.8	93.6	75 - 125 %	X	

Narrative: Acceptable.

EL PASO FIELD SERVICES LAB

QUALITY CONTROL REPORT

EPA METHOD 8020 - BTEX

Samples: 970815 - 970821, 970828, 970830 - 970834

LABORATORY DUPLICATES:

SAMPLE ID 970816	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Toluene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Ethylbenzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
m & p - Xylene	Matrix Duplicate	<2	<2	0.00	+/- 20 %	X	
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID 2nd Analysis 970816	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	50	<1	48.4	96.9	75 - 125 %	X	
Toluene	50	<1	47.5	95.0	75 - 125 %	X	
Ethylbenzene	50	<1	47.7	95.4	75 - 125 %	X	
m & p - Xylene	100	<2	93.9	93.9	75 - 125 %	X	
o - Xylene	50	<1	48.2	96.4	75 - 125 %	X	

Narrative: Acceptable

ADDITIONAL ANALYTICAL BLANKS:

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (Four analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: J.S.

Approved By: John Tambini

Date:

Qw081197

EL PASO Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (Signature) Cory Chance DATE: 8/11/97

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #
970843	8/11/97	—	Water	Trip Blank	1	TB		✓				
970844		1135		CMC 330	2	VG		✓				
970845		1330		CMC 331	2	VG		✓				
970846		1450		CMC 332	2	VG		✓				

CONTRACT LABORATORY P. O. NUMBER

REMARKS

Trip Blank
Canada Mesa #2 87640 PH4
↓ PH5
PH6

Note: PH6 HCL reacted vigorously w/ GW.

RECEIVED
SEP - 9 1997

Cmc 8/11/97

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Cory Chance	8/11/97 1700	Cory Chance	Cory Chance	8/12/97 0745	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
				8/12/97 0745	Marla Armenta

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*

FM-08-0565 A (Rev. 05-94)

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	970843
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/11/97	1135
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/13/97	8/13/97
TYPE | DESCRIPTION:	Trip Blank	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 90.0 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: _____ Date: 8/28/97

970843 Trip Blank BTEX,8/28/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC330	970844
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/11/97	1135
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/13/97	8/13/97
TYPE | DESCRIPTION:	PH-4	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	2980	PPB	100	D		
TOLUENE	23800	PPB	100	D		
ETHYL BENZENE	1300	PPB	100	D		
TOTAL XYLENES	14600	PPB	100	D		
TOTAL BTEX	42680	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 84.4 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: _____ Date: 8/28/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC331	970845
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/11/97	1330
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/13/97	8/13/97
TYPE | DESCRIPTION:	PH-5	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	2250	PPB	100	D		
TOLUENE	17400	PPB	100	D		
ETHYL BENZENE	1380	PPB	100	D		
TOTAL XYLENES	17100	PPB	100	D		
TOTAL BTEX	38130	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 84.0 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Laboe Date: 8/28/97

970845 PH-5 BTEX,8/28/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC332	970846
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/11/97	1450
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/13/97	8/13/97
TYPE | DESCRIPTION:	PH-6	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	8260	PPB	200	D		
TOLUENE	30200	PPB	200	D		
ETHYL BENZENE	2210	PPB	200	D		
TOTAL XYLENES	22100	PPB	200	D		
TOTAL BTEX	62770	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 81.1 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Stroble Date: 8/28/97

970846 PH-6 BTEX,8/28/97

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX

Samples: 970842 to 970846, 970853, 970854

QA/QC for 8/13/97 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	45.9	91.8	75 - 125 %	X	
Toluene	Standard	50.0	46.2	92	75 - 125 %	X	
Ethylbenzene	Standard	50.0	46.4	93	75 - 125 %	X	
m & p - Xylene	Standard	100	91.8	91.8	75 - 125 %	X	
o - Xylene	Standard	50.0	46.8	94	75 - 125 %	X	

SAMPLE NUMBER LCS LA-45476 25 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	25.0	23.1	92.3	39 - 150	X	
Toluene	Standard	25.0	23.4	94	46 - 148	X	
Ethylbenzene	Standard	25.0	23.4	94	32 - 160	X	
m & p - Xylene	Standard	50.0	46.2	92	Not Given	X	
o - Xylene	Standard	25.0	23.8	95	Not Given	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	45.6	91.3	75 - 125 %	X	
Toluene	Standard	50.0	45.5	91.0	75 - 125 %	X	
Ethylenzene	Standard	50.0	45.7	91.3	75 - 125 %	X	
m & p - Xylene	Standard	100	89.8	89.8	75 - 125 %	X	
o - Xylene	Standard	50.0	46.1	92	75 - 125 %	X	

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	44.3	88.6	75 - 125 %	X	
Toluene	Standard	50.0	43.8	87.7	75 - 125 %	X	
Ethylbenzene	Standard	50.0	43.8	87.7	75 - 125 %	X	
m & p - Xylene	Standard	100	86.0	86.0	75 - 125 %	X	
o - Xylene	Standard	50.0	44.4	88.8	75 - 125 %	X	

Narrative: Acceptable.

SAMPLE NUMBER CCV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	41.8	83.5	75 - 125 %	X	
Toluene	Standard	50.0	41.6	83.1	75 - 125 %	X	
Ethylbenzene	Standard	50.0	41.4	82.8	75 - 125 %	X	
m & p - Xylene	Standard	100	81.3	81.3	75 - 125 %	X	
o - Xylene	Standard	50.0	41.9	83.8	75 - 125 %	X	

Narrative: Acceptable.

LABORATORY DUPLICATES:

SAMPLE ID 970842	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Toluene	Matrix Duplicate	11.7	11.7	0.60	+/- 20 %	X	
Ethylbenzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
m & p - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID 2nd Analysis 970842	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	50	<1	46.3	92.5	75 - 125 %	X	
Toluene	50	11.7	56.1	89	75 - 125 %	X	
Ethylbenzene	50	<1	45.6	91	75 - 125 %	X	
m & p - Xylene	100	<1	89.8	89.8	75 - 125 %	X	
o - Xylene	50	<1	46.2	92	75 - 125 %	X	

Narrative: Acceptable

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (2 analyzed with set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

8/13/97 TRIP BLANK	SOURCE	PPB (2 analyzed with [redacted])	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: CV Approved By: John Fordham Date: 9-8-97

EL PASO Natural Gas Company

Wellpoints

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME
# 24324	Pit Closure Project

SAMPLERS: (*Signature*) Cory Chance DATE: 8/12/97

LAB ID	DATE	TIME	MATRIX	FIELD ID	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	BTEX EPA 8020	LAB PID			SEQUENCE #	REMARKS
970859	8/12/97	1140	Water	CMC333	2	VG		✓					Canada Mesa #2 mc# 87640 PH7
970860		~		Trip Blank	1	TB		✓					Trip Blank

Product may be present in CMC333

Cory 8/12/97

RECEIVED
SEP - 9 1997

RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)
Cory Chance	8/12/97 1700	Cory Chance	Cory Chance	8/14/97 1020	
RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED BY: (*Signature*)	RELINQUISHED BY: (*Signature*)	DATE/TIME	RECEIVED OF LABORATORY BY: (*Signature*)
				8/14/97 1020	Marlan E Hopper

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*

FM-08-0565 A (Rev. 05-94)

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC333	970859
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/12/97	1140
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/14/97	8/14/97
TYPE | DESCRIPTION:	PH-7	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	10000	PPB	100	D		
TOLUENE	32400	PPB	200	D		
ETHYL BENZENE	1400	PPB	100	D		
TOTAL XYLENES	12800	PPB	100	D		
TOTAL BTEX	56600	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 101 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Saldana Date: 8/28/97

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	970860
MTR CODE | SITE NAME:	87640	Canada Mesa #2
SAMPLE DATE | TIME (Hrs):	8/12/97	1140
PROJECT:	Well Points	
DATE OF BTEX EXT. | ANAL.:	8/14/97	8/14/97
TYPE | DESCRIPTION:	Trip Blank	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	<1	PPB				
TOLUENE	<1	PPB				
ETHYL BENZENE	<1	PPB				
TOTAL XYLENES	<3	PPB				
TOTAL BTEX	<6	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 98 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

Narrative:

Approved By: John Fowler Date: 8/28/97

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT
EPA METHOD 8020 - BTEX

Samples: 970841, 970852, 970859, 970860

QA/QC for 8/14/97 Sample Set

LABORATORY CALIBRATION CHECKS / LABORATORY CONTROL SAMPLES:

SAMPLE NUMBER ICV LA-52589 50 PPB	TYPE	EXPECTED RESULT PPB	ANALYTICAL RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	Standard	50.0	49.3	98.6	75 - 125 %	X	
Toluene	Standard	50.0	49.4	99	75 - 125 %	X	
Ethylbenzene	Standard	50.0	49.5	99	75 - 125 %	X	
m & p - Xylene	Standard	100	98.7	98.7	75 - 125 %	X	
o - Xylene	Standard	50.0	48.7	97	75 - 125 %	X	
SAMPLE NUMBER LCS LA-45476 25 PPB	**TYPE**	**EXPECTED RESULT PPB**	**ANALYTICAL RESULT PPB**	**%R**	**ACCEPTABLE RANGE**	**YES**	**NO**
Benzene	Standard	25.0	24.7	98.8	39 - 150	X	
Toluene	Standard	25.0	24.8	99	46 - 148	X	
Ethylbenzene	Standard	25.0	24.8	99	32 - 160	X	
m & p - Xylene	Standard	50.0	49.8	100	Not Given	X	
o - Xylene	Standard	25.0	24.8	99	Not Given	X	
SAMPLE NUMBER CCV LA-52589 50 PPB	**TYPE**	**EXPECTED RESULT PPB**	**ANALYTICAL RESULT PPB**	**%R**	**ACCEPTABLE RANGE**	**YES**	**NO**
Benzene	Standard	50.0	48.8	97.7	75 - 125 %	X	
Toluene	Standard	50.0	48.8	97.6	75 - 125 %	X	
Ethylenzene	Standard	50.0	48.9	97.7	75 - 125 %	X	
m & p - Xylene	Standard	100	97.4	97.4	75 - 125 %	X	
o - Xylene	Standard	50.0	48.7	97	75 - 125 %	X	
SAMPLE NUMBER CCV LA-52589 50 PPB	**TYPE**	**EXPECTED RESULT PPB**	**ANALYTICAL RESULT PPB**	**%R**	**ACCEPTABLE RANGE**	**YES**	**NO**
Benzene	Standard	50.0	48.7	97.4	75 - 125 %	X	
Toluene	Standard	50.0	48.6	97.1	75 - 125 %	X	
Ethylbenzene	Standard	50.0	48.5	97.0	75 - 125 %	X	
m & p - Xylene	Standard	100	96.8	96.8	75 - 125 %	X	
o - Xylene	Standard	50.0	48.4	96.7	75 - 125 %	X	

Narrative: Acceptable.

LABORATORY DUPLICATES:

SAMPLE ID 970852	TYPE	SAMPLE RESULT PPB	DUPLICATE RESULT PPB	RPD	ACCEPTABLE RANGE	YES	NO
Benzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Toluene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
Ethylbenzene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	
m & p - Xylene	Matrix Duplicate	<2	<2	0.00	+/- 20 %	X	
o - Xylene	Matrix Duplicate	<1	<1	0.00	+/- 20 %	X	

Narrative: Acceptable.

LABORATORY SPIKES:

SAMPLE ID 2nd Analysis 970852	SPIKE ADDED PPB	SAMPLE RESULT PPB	SPIKE SAMPLE RESULT PPB	%R	ACCEPTABLE RANGE	YES	NO
Benzene	50	<1	48.8	97.6	75 - 125 %	X	
Toluene	50	<1	49.8	100	75 - 125 %	X	
Ethylbenzene	50	<1	49.6	99	75 - 125 %	X	
m & p - Xylene	100	<2	99.2	99.2	75 - 125 %	X	
o - Xylene	50	<1	50.1	100	75 - 125 %	X	

Narrative: Acceptable

AUTO BLANK	SOURCE	PPB	STATUS
Benzene	Boiled Water	<1.0	ACCEPTABLE
Toluene	Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

SOIL VIAL BLANK	SOURCE Lot MB1461	PPB (1 analyzed with set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

CONTAMINATION CARRYOVER CHECK	SOURCE	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

TRIP BLANK	SOURCE	PPB (None analyzed with this set)	STATUS
Benzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Toluene	Vial + Boiled Water	<1.0	ACCEPTABLE
Ethylbenzene	Vial + Boiled Water	<1.0	ACCEPTABLE
Total Xylenes	Vial + Boiled Water	<3.0	ACCEPTABLE

Narrative: Acceptable.

Reported By: CV Approved By: Date: 9-8-97

1997 GROUNDWATER ANALYTICAL

El Paso Natural Gas Company

A 2665

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers	Preservation Technique	Requested Analysis				Remarks
	HUERFANO PIPELINE			BTXE	GENERAL CHEMISTRY	RCRA METALS		
Samplers: (Signature) Dennis Bird	Date: 11-4-96							
MATRIX / Date / Time / Comp. / GRAB / Sample Number								
WATER 11-4-96 1218 X 960918		P-2 G-2	4°C	X	X	X		CANADA MESA #2 MW-1 MC 87640
WATER 11-4-96 — X ———		G-1	4°C	X				TRIP BLANK

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	11-4-96 1710				
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	11/6/96 0730		
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	960918
MTR CODE | SITE NAME:	87640	Canada Mesa #2 MW-1
SAMPLE DATE | TIME (Hrs):	11/4/96	1218
PROJECT:	Sample 4 - 1st Quarter	
DATE OF BTEX EXT. | ANAL.:	11/6/96	11/6/96
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	5520	PPB	100	D		
TOLUENE	8880	PPB	100	D		
ETHYL BENZENE	469	PPB	100	D		
TOTAL XYLENES	3920	PPB	100	D		
TOTAL BTEX	18800	PPB				

--BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 106 % for this sample All QA/QC was acceptable.
DF = Dilution Factor Used
The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Fowler Date: 11/12/96

960918.XLS,11/11/96

EL PASO FIELD SERVICES

Field Services Laboratory
Analytical Report

SAMPLE IDENTIFICATION

EPFS LAB ID:	960918
DATE SAMPLED:	11/04/96
TIME SAMPLED (Hrs):	1218
SAMPLED BY:	D. Bird
MATRIX:	Water
METER CODE:	87640
SAMPLE SITE NAME:	Huerfano
SAMPLE POINT:	Canada Mesa #2 MW-1

FIELD REMARKS:

GENERAL CHEMISTRY WATER ANALYSIS RESULTS

PARAMETER	RESULT	UNITS	DATE ANALYZED
Laboratory pH	7.4	Units	11/06/96
Alkalinity as $C0_3$	0.0	PPM	11/06/96
Alkalinity as $HC0_3$	635	PPM	11/06/96
Calcium as Ca	436	PPM	11/06/96
Magnesium as Mg	43	PPM	11/06/96
Total Hardness as $CaC0_3$	1,265	PPM	11/06/96
Chloride as Cl	188	PPM	11/06/96
Sulfate as $S0_4$	2,490	PPM	11/06/96
Fluoride as F	0.7	PPM	11/06/96
Nitrate as $N0_3$-N	<0.6	PPM	11/06/96
Nitrite as $N0_2$-N	<0.6	PPM	11/06/96
Ammonium as NH_4^+	<0.6	PPM	11/06/96
Phosphate as PO_4	<0.6	PPM	11/06/96
Potassium as K	7.7	PPM	11/06/96
Sodium as Na	919	PPM	11/06/96
Total Dissolved Solids	4,490	PPM	11/06/96
Conductivity	4,750	umhos/cm	11/06/96
Anion/Cation %	1.7%	%, <5.0 Accepted	11/07/96

Remarks:

Reported By: mh Approved By: John Fowler Date: 11/12/96

EL PASO FIELD SERVICES

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

SAMPLE IDENTIFICATION

SAMPLE NUMBER:	960918
SAMPLE DATE:	11/04/96
SAMPLE TIME (Hrs):	1218
SAMPLED BY:	D. Bird
MATRIX:	Water
METER CODE:	87640
SAMPLE SITE NAME:	Huerfano
SAMPLE POINT:	Canada Mesa #2 MW-1

REMARKS: ______

RESULTS

PARAMETER	TOTAL RESULT (mg/L)	N. M. WQCC LIMIT (mg/L)
ARSENIC	<0.010	0.100
BARIUM	0.04	1.00
CADMIUM	<0.0002	0.010
CHROMIUM	0.002	0.050
LEAD	<0.004	0.050
MERCURY	<0.00024	0.002
SELENIUM	<0.003	0.050
SILVER	<0.0005	0.050

NOTE: The sample results have been corrected for volume adjustment associated with Method 3015.

References:

Method 3015, Microwave Assisted Acid Digestion of Aqueous Samples and Extracts, Test Methods for Evaluating Solid Waste, SW-846, Sept., 1994.

Method 7061A, Arsenic (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Method 7081, Barium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Method 7131, Cadmium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1986.

Method 7191, Chromium (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1986.

Method 7421, Lead (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1986.

Method 245.5, Mercury (Automated Cold Vapor Technique), Methods for the Determination of Metals in Environmental Samples, EPA 600/4-91/010, USEPA, June, 1991.

Method 7741A, Selenium (Atomic Absorption, Gaseous Hydride), Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept., 1994.

Method 7761, Silver (Atomic Absorption, Furnace Technique), Test Methods for Evaluating Solid Waste, SW-846, USEPA, July, 1992.

Reported By: mh   Approved By: [signature]   Date: 12/18/96

EL PASO FIELD SERVICES

QUALITY CONTROL REPORT

Sample ID: 960918
Date Sampled: 11/04/96

Date Reported: 12/16/96

STANDARD REFERENCE MATERIAL

Analyte	Found Result (µg/L)	Known Value (µg/L)	% Recovery
Arsenic	30.6	32.4	94%
Barium	63.4	64.9	98%
Cadmium	2.75	2.38	116%
Chromium	5.07	4.76	107%
Lead	28.8	29.7	97%
Mercury	4.86	4.59	106%
Selenium	36.3	40.5	90%
Silver	4.81	4.32	111%

DUPLICATE ANALYSIS (mg/L)

Analyte	Original Sample Result	Duplicate Sample Result	% RPD
Arsenic	ND	ND	NA
Barium	0.04	0.04	0.0%
Cadmium	ND	ND	NA
Chromium	0.002	0.002	0.0%
Lead	ND	ND	NA
Mercury	ND	ND	NA
Selenium	ND	ND	NA
Silver	ND	ND	NA

SPIKE ANALYSIS (µg/L)

Analyte	Original Sample Result	Spike Sample Result	Spike Added	Recovery Percent
Arsenic	ND	115	100	105%
Barium	40	911	1000	87%
Cadmium	ND	9.53	10.0	95%
Chromium	2.3	51.6	50.0	99%
Lead	ND	40.2	50.0	80%
Mercury	ND	1.82	2.00	91%
Selenium	ND	47.9	50.0	96%
Silver	ND	49.6	50.0	99%

METHOD BLANK

Analyte	Found Result (µg/L)	Detection Level (µg/L)
Arsenic	ND	10
Barium	ND	10
Cadmium	ND	0.2
Chromium	ND	2
Lead	ND	4
Mercury	ND	0.24
Selenium	ND	3
Silver	ND	0.5

ND: Not Detected at stated detection level. NA: Not Applicable.

Reported By: mh Approved By: [signature] Date: 12/18/96

EPFS
EL PASO FIELD SERVICES

Well Development and Purging Data

☐ Development
☒ Purging

Well Number MW-1

Site Name CANADA MESA #2

Meter Code 87640

Development Criteria

☒ 3 to 5 Casing Volumes of Water Removed
☐ Stabilization of Indicator Parameters
☐ Other

Water Volume Calculation

Initial Depth of Well (feet) 45.52
Initial Depth to Water (feet) 34.42
Height of Water Column in Well (feet) 11.10
Diameter (inches): Well 4 Gravel Pack

Item	Water Volume in Well Cubic Feet	Water Volume in Well Gallons	Gallons to be Removed
Well Casing		7.3	22.0
Gravel Pack			
Drilling Fluids			
Total			

Instruments

☒ pH Meter
☐ DO Monitor
☒ Conductivity Meter
☒ Temperature Meter
☒ Other D.O. CHEMETS KIT

Methods of Development

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

☐ Other

Water Disposal

KUTZ SEPARATOR

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 (gal): Increment	Water Volume Removed (gal): Cumulativ	Product Volume Removed (gallons): Increment	Product Volume Removed (gallons): Cumulative	Temperature °C	pH	Conductivity µmho/cm	Dissolved Oxygen mg/L	Comments
11-4-96	1123										12.8	6.03	5790		
11-4-96	1130						5.0	5.0			12.4	6.24	5750		
11-4-96	1138						5.0	10.0			12.8	6.66	5710		
11-4-96	1150						5.0	15.0			14.2	6.63	6020		
11-4-96	1157						5.0	20.0			13.5	6.61	5890		
11-4-96	1206						5.0	25.0			13.1	6.65	5830	1.0	

Comments 0.75' OF FREE FLOATING HYDROCARBON. STRONG HYDROCARBON SMELL.

Developer's Signature Dennis Bird Date 11-4-96 Reviewer John Zalla Date 11/17/96

El Paso Natural Gas Company

A 1995

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers	Preservation Technique	Requested Analysis: BTXE			Remarks
	OJITO PIPELINE						
Samplers: (Signature) Dennis Bird	Date: 2-5-97						

MATRIX	Date	Time	Comp.	GRAB	Sample Number							
WATER	2-5-97	1235		X	970069	G-2	4°C	X				CANADA MESA #2 MW-1 NC-8760
WATER	2-5-97	—		X	—	G-1	4°C	X				TRIP BLANK

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	2-5-97				
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:	
		Marlen Hoppe	2/6/97 1545		

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	970069
MTR CODE | SITE NAME:	87640	Canada Mesa #2 MW-1
SAMPLE DATE | TIME (Hrs):	2/5/97	1235
PROJECT:	Sample 4 - 2nd Quarter	
DATE OF BTEX EXT. | ANAL.:	2/6/97	2/6/97
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	3450	PPB	100	D		
TOLUENE	5200	PPB	100	D		
ETHYL BENZENE	214	PPB	100	D		
TOTAL XYLENES	1770	PPB	100	D		
TOTAL BTEX	10600	PPB				

–BTEX is by EPA Method 8020 –

The Surrogate Recovery was at 94.8 % for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Zabda Date: 2-14-97

970069.XLS,2/14/97

EPFS
EL PASO FIELD SERVICES

Well Development and Purging Data

☐ Development
☒ Purging

Well Number MW-1

Site Name CANADA MESA #2

Meter Code 87640

Development Criteria

☒ 3 to 5 Casing Volumes of Water Removed
☐ 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) 46.52
Initial Depth to Water (feet) 34.35
Height of Water Column in Well (feet) 11.17
Diameter (inches): Well 4 Gravel Pack

Item	Water Volume in Well: Cubic Feet	Water Volume in Well: Gallons	Gallons to be Removed
Well Casing		7.4	22.2
Gravel Pack			
Drilling Fluids			
Total			

Instruments

☒ pH Meter
☐ DO Monitor
☒ Conductivity Meter
☒ Temperature Meter
☒ Other O.D. CHEMETS KIT

Water Disposal

KUTZ SEPARATOR

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 (gal): Increment	Water Volume Removed (gal): Cumulativ	Product Volume Removed (gallons): Increment	Product Volume Removed (gallons): Cumulative	Temperature °C	pH	Conductivity µmho/cm	Dissolved Oxygen mg/L	Comments
2-5-97	1138										13.0	6.54	4570		
2-5-97	1146						5.0	5.0			13.9	5.37	4780		
2-5-97	1154						5.0	10.0			13.2	5.94	4970		
2-5-97	1203						5.0	15.0			12.9	6.68	4850		
2-5-97	1210						5.0	20.0			13.5	5.84	4870		
2-5-97	1221						5.0	25.0			12.2	5.24	4510	0.5	

Comments 0.71' OF FREE FLOATING HYDROCARBON. STRONG HYDROCARBON SMELL.

Developer's Signature Dennis Bird Date 2-5-97 Reviewer John Ladd Date 2-14-97

El Paso Natural Gas Company

A 1942

CHAIN OF CUSTODY RECORD

Project No.	Project Name	Type and No. of Sample Containers	Preservation Technique	Requested Analysis			Remarks
	OJITO PIPELINE			BTXE			
Samplers: (Signature) Dennis Bird	Date: 5-7-97						

MATRIX	Date	Time	Comp.	GRAB	Sample Number							
WATER	5-7-97	1138		X	970397	G-2	4°C	X				CANADA MESA #2 MW-1 MC 87640
WATER	5-7-97	—		X	—	G-1	4°C	X				TRIP BLANK

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Dennis Bird	5-7-97 1614				
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 Hoppe	5/8/97 0805		

Carrier Co:

Carrier Phone No.

Date Results Reported / by: (Signature)

Air Bill No.:

EL PASO FIELD SERVICES

6-11-97

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	N/A	970397
MTR CODE | SITE NAME:	87640	Canada Mesa #2 MW-1
SAMPLE DATE | TIME (Hrs):	5/7/97	1138
PROJECT:	Sample 4 - 3rd Quarter	
DATE OF BTEX EXT. | ANAL.:	5/14/97	5/14/97
TYPE | DESCRIPTION:	Monitor Well	Water

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q		
BENZENE	4650	PPB	50	D		
TOLUENE	8440	PPB	50	D		
ETHYL BENZENE	317	PPB	50	D		
TOTAL XYLENES	2580	PPB	50	D		
TOTAL BTEX	16000	PPB				

The Surrogate Recovery was at 96.8 for this sample All QA/QC was acceptable.
DF = Dilution Factor Used
The "D" qualifier indiciates that the analyte calculated is based on a secondary dilution factor.

Narrative:

Approved By: John Laich Date: 6/3/97

970397,6/2/97

EPFS
EL PASO FIELD SERVICES

Well Development and Purging Data

☐ Development
☒ Purging

Well Number MW-1

Site Name CANADA MESA #2

Meter Code 87640

Development Criteria

☒ 3 to 5 Casing Volumes of Water Removed
☐ 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) 45.52
Initial Depth to Water (feet) 34.24
Height of Water Column in Well (feet) 11.28
Diameter (inches): Well 4 Gravel Pack_____

Item	Water Volume in Well		Gallons to be Removed
	Cubic Feet	Gallons	
Well Casing		7.5	22.4
Gravel Pack			
Drilling Fluids			
Total			

Instruments

☐ pH Meter
☐ DO Monitor
☐ Conductivity Meter
☐ Temperature Meter
☒ Other D.O. CHEMETS KIT

Water Disposal

KUTZ SEPARATOR

Water Removal Data

Date	Time	Development Method		Removal Rate	Intake Depth	Ending Water Depth	Water Volume Removed (gal)		Product Volume Removed (gallons)		Temperature °C	pH	Conductivity µmho/cm	Dissolved Oxygen mg/L	Comments
		Pump	Bailer	(gal/min)	(feet)	(feet)	Increment	Cumulativ	Increment	Cumulative					
5-7-97	1058						5.0	5.0							
5-7-97	1105						5.0	10.0							
5-7-97	1112						5.0	15.0							
5-7-97	1118						5.0	20.0							
5-7-97	1126						5.0	25.0						0.5	

Comments 0.03 FEET OF FREE FLOATING HYDROCARBON. STRONG HYDROCARBON SMELL.

Developer's Signature Dennis Bird Date 5-7-97 Reviewer J.L. Date 5/27/97