3R - 83

REPORTS

DATE:

11/6/1996

ON SITE TECHNOLOGIES, LTD.

November 6, 1996

Conoco, Inc., Mid-Continent Region
Attn.: Mr. John Coy
3314 Bloomfield Hwy.
Farmington, NM 87401

RE: Conoco Location Farmington B Com 1 Investigation Project 4-1325

Dear Mr. Coy:

The following interim report is intended to document events and activities with regards to a suspected hydrocarbon release at the above location and to inform interested parties of the current status of the investigation.

FIELD INVESTIGATIONS

On October 31, 1996, Ms. Cynthia Sluyter-Gray of On Site Technologies was contacted by Mr. John Coy of Conoco, Inc. to arrange sampling of groundwater through a vent pipe from the cathodic groundbed at the Farmington B Com 1 in response to complaints from area residents of hydrocarbon odors in the vicinity. Ms. Gray and Mr. Coy met at the location, opened the 1" vent pipe and attempted to bail the cathodic well and obtain a water sample. However, an obstruction in the pipe only allowed the use of 1/4" Teflon tubing to attempt sampling. Seven (7) feet of tubing were introduced into the vent pipe. The liquid recovered was identified by appearance and odor as a hydrocarbon product. Several additional attempts were made but no evidence of water was found. Mr. Coy had previous notified Mr. Denny Foust of New Mexico Oil Conservation Division, Aztec office. Mr. Foust arrived at the location and was informed of the status. A cursory soil vapor survey was performed in the general area near the cathodic grounding well vent pipe with positive results (20 to 25 units) within five feet of the vent and negative results elsewhere. A small flowing water ditch was noted adjacent to the site, located upgradient and down an embankment. A small surface water pond is also located nearby between the site and the ditch (see Site Sketch). Two water samples were taken from the pond to rule out migration of free product into the pond and the ditch. Samples were taken to the laboratory for analysis for Benzene, Toluene, Ethyl-Benzene, and Xylene (BTEX) by EPA Method 8020.

Ms. Gray and Mr. Michael Lane returned to the site later in the day with more 1/4" tubing and a water-finding paste to attempt to locate groundwater in the cathodic well. No color change was noted in the water-finding paste applied to seventeen (17) feet of tubing inserted in the vent pipe. Free product began at approximately two (2 feet) below the top of the vent pipe valve. A free product recovery attempt was scheduled for the next morning using an air driven intrinsically-safe pump and 1/4" Teflon tubing through the vent pipe. A backhoe was also scheduled for later in the morning for exploratory excavation in the area of the cathodic well. Mr. Coy notified New Mexico

PO Box 2606
Farmington, NM
505-325-5667 FAX: 505-327-1496

OneCall to mark utilities, lines, and pipelines in the area on an emergency basis. Mr. Foust was also apprised of the plan.

As scheduled, on November 1, 1996, Ms. Gray and Mr. Lane set up the air-powered free product recovery system with 1/4" Teflon tubing in the vent pipe and ultimately recovered approximately five (5) gallons of product and one to two gallons of water. Further efforts at recovery through the vent pipe were unsuccessful.

Line spotters for Public Service Co., City of Farmington Water and Sewer, and Farmington Electric Utility arrived on site and confirmed locations of lines and pipelines with none noted as on location. A crew from L & R Oilfield Service arrived with a backhoe as scheduled by Mr. Coy. A brief safety meeting was held by Mr. Coy. The cathodic protection line and the power line to the location equipment were located and marked. The power to the rectifier and the location were then locked out and tagged out by Mr. Coy. Two initial test pits were excavated with one (TP1) immediately adjacent to the cathodic well and the other (TP2) to the site south of the rectifier and power pole.

In TP1, stained soils were encountered at approximately three to four feet below surface grade with groundwater at approximately six feet below grade. The excavation was continued to an approximate depth of eight feet. Free product was noted seeping into the excavation from the sidewall next to the cathodic well. Several unsuccessful attempts were made to recover the product collecting in the excavation. A ten (10) foot long piece of five (5) inch diameter PVC pipe with cut slots was then placed in the excavation during backfilling to serve as a product recovery well should sufficient product be collected.

A second test pit (TP2) was excavated at a lower surface elevation approximately five (5) feet south of the rectifier and power pole. Stained soils were encountered at approximately two to three feet below surface with groundwater at approximately three to four feet. No free product was seen but a sheen was noted on the water collecting in the test pit prior to backfilling.

In consultation with Mr. Coy, Mr. Foust, and On Site personnel, it was agreed that the soil plume should be delineated with a direct-punch Geoprobe sampling unit and basic groundwater data obtained prior to initiating any further cleanup efforts. The probe was scheduled for Monday, November 4. Laboratory results were also received indicating that the pond water samples taken the previous day were below detection limits for all BTEX constituents (see attached laboratory reports).

On November 4, using the Geoprobe, seven test holes were advanced as noted on the attached Site Sketch and apparent Contamination Map. Temporary water sampling points (MW1, MW2, and MW3) were placed in Test Holes 1, 2, and 6 respectively. Soil samples were taken from each Test Hole within a two-foot interval encompassing the level at which groundwater was encountered. Soil samples were submitted to the laboratory for analysis by methods 8015 Modified (Total Petroleum Hydrocarbons) and 8020 (Benzene, Toluene, Ethyl-benzene, and Xylene) as required for closure under NMOCD regulations. Water levels were measured in the temporary water sampling

points. Groundwater samples were taken from MW1, MW2, and MW3 after well development to temperature stabilization. Samples were preserved with Hydrochloric Acid and transported to the laboratory for analysis by method 8020 (BTEX) with the primary constituent of concern being Benzene. Analytical results are noted by Test Hole (TH) and water sampling point (MW) on the Contamination Map attached. The detailed laboratory reports are also attached.

PRELIMINARY CONCLUSIONS AND RECOMMENDATIONS

Based upon an engineering plane survey conducted on November 6, depth to groundwater measurements taken November 5, and visual observations, a Site Sketch has been constructed noting locations of test holes, water sampling points, significant site features, and an estimated groundwater slope. Using that information and factoring in the results of laboratory analyses, a sketch indicating the estimated extent of significant soil contamination as well as an approximated free product plume has also been developed.

In view of limited records of an historic spill in 1992, it appears that the free product present may be residual from that spill which has been trapped in the area of the cathodic well by the clayey soils in the area. During sampling, even the cobbles at or near the water table were noted to be contained in a clay to sandy clay matrix which tends to limit the migration of hydrocarbons. Furthermore, where hydrocarbons were found in the soil and water samples, it is evident that the more volatile compounds have either degraded or evaporated, indicating that the remaining product is aged and not a recent spill.

While there is an evident impact to groundwater in the area of the cathodic well, the limited and preliminary groundwater sampling and analyses do not indicate a significant or widespread groundwater impact outside the immediate area at this time.

Due to the proximity of the site to a residential area, surface water ditches, and shallow depth to groundwater, we recommend that the operator carefully excavate contaminated soils immediately surrounding the cathodic well and south and west toward Test Hole 6 (MW 3) until closure levels of <100 parts per million TPH, < 50 ppm BTEX, and <10 ppm Benzene are reached in the soils. Care should be taken to disturb the soils at groundwater as little as possible to avoid mixing and spreading hydrocarbons into the water. Where free product is present, it should be removed either by skimming or by the application of an absorbent such as dehydrated peat moss. Excavated contaminated material should be stockpiled in a plastic-lined bermed area until off-site disposal can be arranged.

In conclusion, further investigation and monitoring of other areas of the location may be appropriate due to the site history. However, the remediation and mitigation of the immediate problem regarding the contamination in the area of the cathodic well should be addressed first.

immediate problem regarding the contamination in the area of the cathodic well should be addressed first.

If there are any questions regarding this status report, please contact either Cindy Gray or Myke Lane at On Site Technologies, (505) 325-5667.

Respectfully submitted,

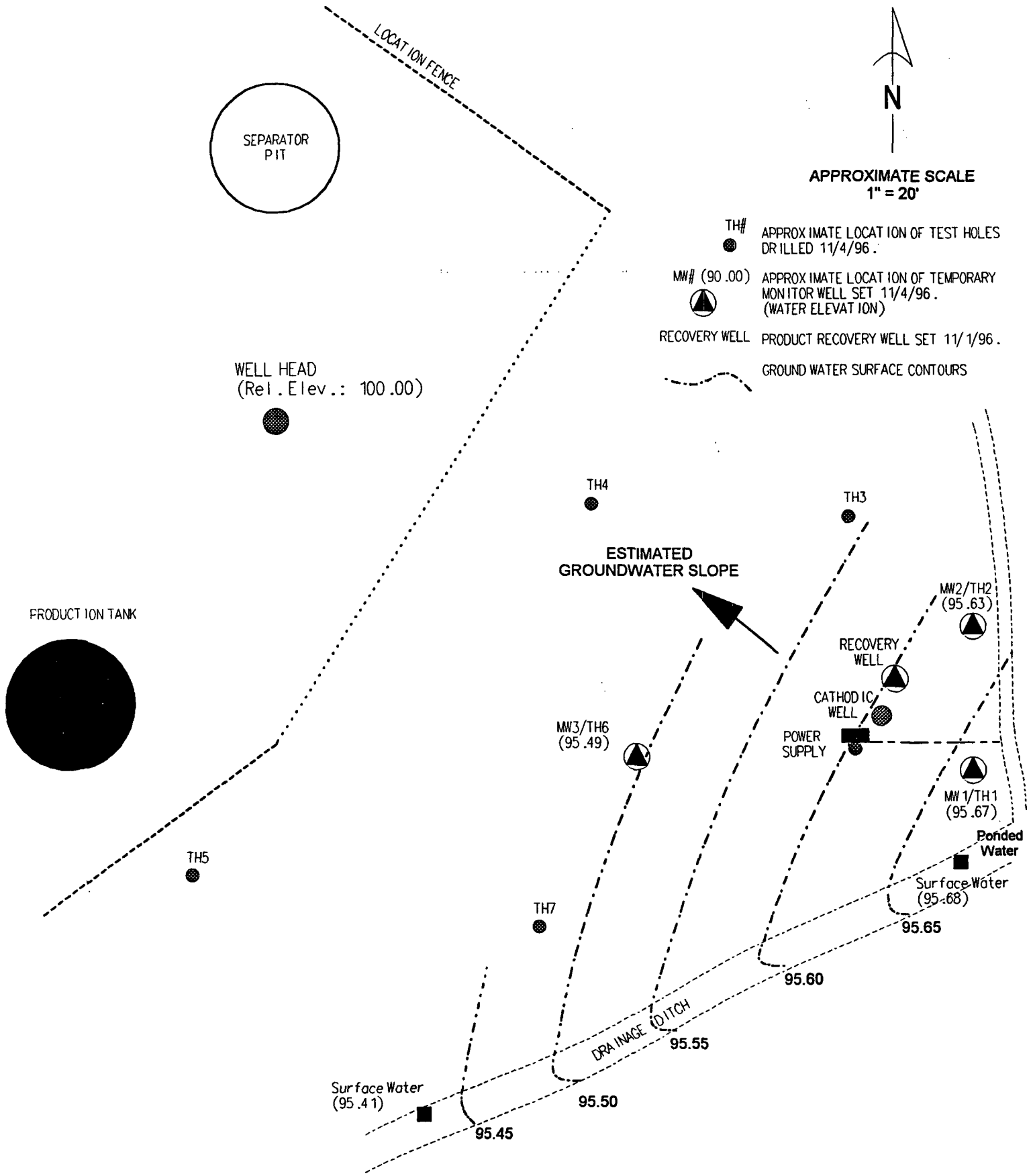
Cynthia A. Sluyter-Gray
Project Manager, On Site Technologies, Ltd.

attachments: Site Sketch
Estimated Contamination Map
Laboratory Analytical Results

cc: Mr. Neil Goates, Conoco, Inc.
Mr. Roger Anderson, NMOCD
Mr. Denny Foust, NMOCD

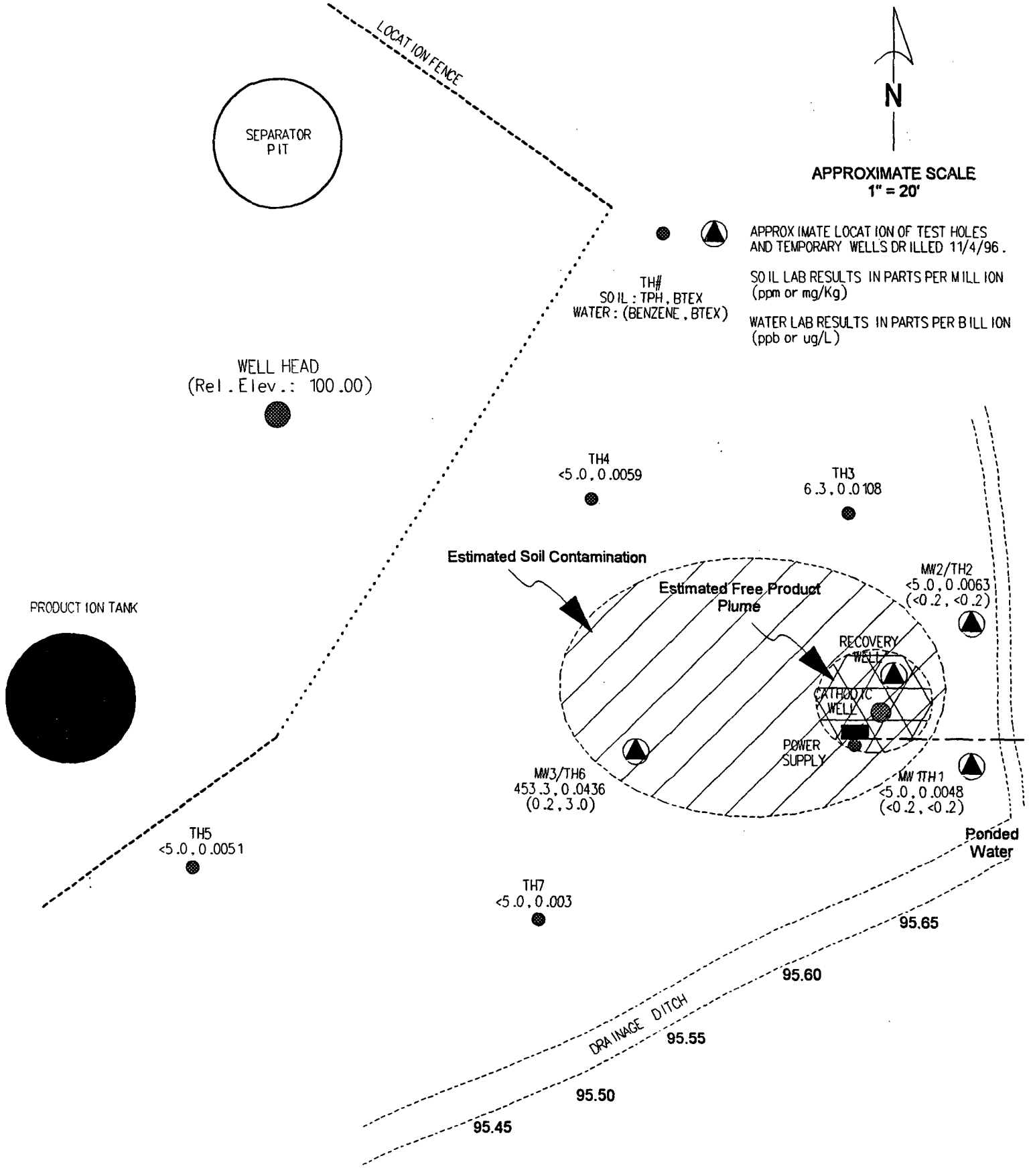
file: 41325-2doc

CONOCO, INC. FARMINGTON B COM. #1 SAN JUAN CO., NM	SITE SKETCH	ON SITE TECHNOLOGIES, LTD. P.O. BOX 2606, FARMINGTON, NM 87499 (505) 325-5667
PROJECT: SITE ASSESSMENT	DRWN: NOV. 6, 1996	
PROJECT NO: 4-1325	DRWN BY: MKL	
SHEET: 1	REVISED:	



CONOCO, INC. FARMINGTON B COM. #1 SAN JUAN CO., NM	ESTIMATED CONTAMINATION MAP	ON SITE TECHNOLOGIES, LTD. P.O. BOX 2606, FARMINGTON, NM 87499 (505) 325-5667
PROJECT: SITE ASSESSMENT	DRWN: NOV. 6, 1996	
PROJECT NO: 4-1325	DRWN BY: MKL	
SHEET: 2	REVISED:	

a:\4132552.CAD, MKL, 11/06/96



OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	1-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6164*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12722*
City, State:	*Farmington, NM 87401*	*Job No.*	*2-1000*

Project Name:	***Pond Adjacent to Conoco Farmington B Com 1***				
Project Location:	***4-1303-B***				
Sampled by:	CG	Date:	31-Oct-96	Time:	10:50
Analyzed by:	DC	Date:	1-Nov-96		
Sample Matrix:	*Liquid*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Benzene	<0.2	ug/L	0.2	ug/L
Toluene	<0.2	ug/L	0.2	ug/L
Ethylbenzene	<0.2	ug/L	0.2	ug/L
m,p-Xylene	<0.2	ug/L	0.2	ug/L
o-Xylene	<0.2	ug/L	0.2	ug/L
TOTAL	<0.2	ug/L		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/1/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	1-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6164*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12721*
City, State:	*Farmington, NM 87401*	*Job No.*	*2-1000*

Project Name:	***Pond Adjacent to Conoco Farmington B Com 1***				
Project Location:	***4-1303-A***				
Sampled by:	CG	Date:	31-Oct-96	Time:	10:45
Analyzed by:	DC	Date:	1-Nov-96		
Sample Matrix:	*Liquid*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Benzene	<0.2	ug/L	0.2	ug/L
Toluene	<0.2	ug/L	0.2	ug/L
Ethylbenzene	<0.2	ug/L	0.2	ug/L
m,p-Xylene	<0.2	ug/L	0.2	ug/L
o-Xylene	<0.2	ug/L	0.2	ug/L
TOTAL	<0.2	ug/L		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:

Date: 11/1/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 1-Nov-96

Internal QC No.: 0515-QC
Surrogate QC No.: 0516-QC
Reference Standard QC No.: 0417-QC

Method Blank

Parameter	*Result*	*Unit of Measure*
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Parameter	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Benzene	ppb	20.0	19.7	2	15%
Toluene	ppb	20.0	19.8	1	15%
Ethylbenzene	ppb	20.0	19.9	0	15%
m,p-Xylene	ppb	40.0	39.4	2	15%
o-Xylene	ppb	20.0	19.8	1	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Benzene	92	101	(39-150)	6	20%
Toluene	92	101	(46-148)	6	20%
Ethylbenzene	95	105	(32-160)	7	20%
m,p-Xylene	88	98	(35-145)	7	20%
o-Xylene	92	102	(35-145)	7	20%

Surrogate Recoveries

Laboratory Identification	*S1 Percent Recovered*	*S2 Percent Recovered*	*Laboratory Identification*	*S1 Percent Recovered*	*S2 Percent Recovered*
Limit Percent Recovered	(70-130)		*Limit Percent Recovered*	(70-130)	
12721-6164	97				
12722-6164	97				

DE

S1: *Flourobenzene*

6164

CHAIN OF CUSTODY RECORD

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 10-31-96

Page 1 of 1

Purchase Order No.: | Job No. 4-1303 4-1325

SEND INVOICE TO
Name: Conoco
Company: c/o Cindy Gray | Dept.
Address:
City, State, Zip:

REPORT RESULTS TO
Name: John Coy | Title:
Company: Conoco cc: Cindy Gray
Mailing Address:
City, State, Zip:
Telephone No. | Telefax No.

Sampling Location: Pond adjacent to Conoco Farmington B Com 1

Sampler: CA Sloat-Ly

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	8020 BTEX	LAB ID
4-1303-A	10/31	10:45	H_2O	None	1	✓	11721-1104
4-1303-B	10/31	10:50	H_2O	None	1	✓	11722-1104

ANALYSIS REQUESTED

Relinquished by: CA Sloat-Ly	Date/Time 10/31 11:25	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: John Coy by CA Sloat-Ly (Client Signature Must Accompany Request) Date 10-31-96

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12741*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #1; 7'-9' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	8:20
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12741*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #1; 7'-9' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	8:20
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	3.0	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-Xylene	1.8	ug/kg	0.2	ug/kg
o-Xylene	<0.2	ug/kg	0.2	ug/kg
TOTAL	4.8	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12742*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #2; 8'-10' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	8:50
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12742*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #2; 8'-10' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	8:50
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	0.4	ug/kg	0.2	ug/kg
Toluene	0.7	ug/kg	0.2	ug/kg
Ethylbenzene	1.6	ug/kg	0.2	ug/kg
m,p-Xylene	1.4	ug/kg	0.2	ug/kg
o-Xylene	2.3	ug/kg	0.2	ug/kg
TOTAL	6.3	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	John Coy	Date:	5-Nov-96
Company:	Conoco, Inc. cc: Cindy Gray	COC No.:	6172
Address:	3315 Bloomfield Hwy.	Sample No.	12743
City, State:	Farmington, NM 87401	Job No.	4-1325

Project Name:	**Conoco - Farmington B Com 1**				
Project Location:	**Test Hole #3; 6'-7.5' bsg**				
Sampled by:	CG	Date:	4-Nov-96	Time:	9:20
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	Soil				

Laboratory Analysis

Parameter	Result	Unit of Measure	Detection Limit	Unit of Measure
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	66.3	mg/kg	5.0	mg/kg
TOTAL	66.3	mg/kg		

Quality Assurance Report

GRO QC No.: 0493-STD
DRO QC No.: 0489-STD

Calibration Check

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	% Diff	Limit
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	%RSD	Limit
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method - *SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12743*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #3; 6'-7.5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	9:20
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	1.4	ug/kg	0.2	ug/kg
Ethylbenzene	1.5	ug/kg	0.2	ug/kg
m,p-Xylene	3.3	ug/kg	0.2	ug/kg
o-Xylene	4.6	ug/kg	0.2	ug/kg
TOTAL	10.8	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12744*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #4; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	9:40
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12744*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #4; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	9:40
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	3.3	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-Xylene	1.2	ug/kg	0.2	ug/kg
o-Xylene	1.4	ug/kg	0.2	ug/kg
TOTAL	5.9	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12745*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #5; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	10:10
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12745*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #5; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	10:10
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	0.5	ug/kg	0.2	ug/kg
Toluene	0.9	ug/kg	0.2	ug/kg
Ethylbenzene	0.6	ug/kg	0.2	ug/kg
m,p-Xylene	1.8	ug/kg	0.2	ug/kg
o-Xylene	1.3	ug/kg	0.2	ug/kg
TOTAL	5.1	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12746*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #6; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	10:50
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	453.3	mg/kg	5.0	mg/kg
TOTAL	453.3	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12746*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #6; 3'-5' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	10:50
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	1.6	ug/kg	0.2	ug/kg
Toluene	4.2	ug/kg	0.2	ug/kg
Ethylbenzene	3.4	ug/kg	0.2	ug/kg
m,p-Xylene	19.6	ug/kg	0.2	ug/kg
o-Xylene	14.8	ug/kg	0.2	ug/kg
TOTAL	43.6	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

TPH - Gasoline / Diesel Range Organics

Attn:	*John Coy*	Date:	5-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12747*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #7; 5'-7' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	11:30
Analyzed by:	DC/HR	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Gasoline Range Organics (C5 - C9)	<5.0	mg/kg	5.0	mg/kg
Diesel Range Organics (C10 - C28)	<5.0	mg/kg	5.0	mg/kg
TOTAL	<5.0	mg/kg		

Quality Assurance Report

GRO QC No.: *0493-STD*
DRO QC No.: *0489-STD*

Calibration Check

Parameter	*Method Blank*	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Gasoline Range (C5 - C9)	<50	ppb	1,350	1,410	4.5	15%
Diesel Range (C10 - C28)	<5.0	ppm	100	97	2.8	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Gasoline Range (C5-C9)	111	92	(70-130)	13	20%
Diesel Range (C10-C28)	90	95	(70-130)	4	20%

Method *- SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography*

Approved by:
Date: 11/5/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6172*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12747*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Test Hole #7; 5'-7' bsg***				
Sampled by:	CG	Date:	4-Nov-96	Time:	11:30
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	*Result*	*Units of Measure*	*Detection Limit*	*Units of Measure*
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	1.6	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-Xylene	0.6	ug/kg	0.2	ug/kg
o-Xylene	0.4	ug/kg	0.2	ug/kg
TOTAL	2.6	ug/kg		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 5-Nov-96

Internal QC No.: 0515-QC
Surrogate QC No.: 0516-QC
Reference Standard QC No.: 0417-QC

Method Blank

Analyte	*Result*	*Units of Measure*
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Analyte	*Units of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Benzene	ppb	20.0	19.9	0	15%
Toluene	ppb	20.0	20.9	4	15%
Ethylbenzene	ppb	20.0	21.0	5	15%
m,p-Xylene	ppb	40.0	41.3	3	15%
o-Xylene	ppb	20.0	20.8	4	15%

Matrix Spike

Analyte	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Benzene	100	102	(39-150)	1	20%
Toluene	100	108	(46-148)	5	20%
Ethylbenzene	102	103	(32-160)	1	20%
m,p-Xylene	102	103	(35-145)	1	20%
o-Xylene	108	102	(35-145)	4	20%

Surrogate Recoveries

Laboratory Identification	*S1 Percent Recovered*	*S2 Percent Recovered*	*Laboratory Identification*	*S1 Percent Recovered*	*S2 Percent Recovered*
Limit Percent Recovery	(70-130)		*Limit Percent Recovery*	(70-130)	
S1: Flourobenzene			*S1: Flourobenzene*		
12741-6172	94				
12742-6172	91				
12743-6172	94				
12744-6172	95				
12745-6172	95				
12746-6172	84				
12747-6172	95				

DL

CHAIN OF CUSTODY RECORD

6172

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 11-4-96

Page 1 of 1

Purchase Order No.: | Job No. 4-1325

SEND INVOICE TO
Name: Conoco c/o Cindy Gray
Company: | Dept.:
Address:
City, State, Zip:

REPORT RESULTS TO
Name: John Coy | Title:
Company: Conoco cc: Cindy Gray
Mailing Address:
City, State, Zip:
Telephone No.: | Telefax No.:

Sampling Location: Farmington B Com 1

Sampler: C.A Sluyter-Gray

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	D.G 8015 M	8020	LAB ID
Test Hole #1 7'-9' bsg	11/4	0820	S:1	Cool	1	✓	✓	17741-17
" " #2 8'-10' bsg	"	0850	"	"	1	✓	✓	17742
" " #3 6'-2.5' bsg	"	0920	"	"	1	✓	✓	17743
" " #4 3'-5' bsg	"	0940	"	"	1	✓	✓	17744
" " #5 3'-5' bsg	"	1010	"	"	1	✓	✓	17745
" " #6 3'-5' bsg	"	1050	"	"	1	✓	✓	17746
" " #7 5'-7' bsg	"	1130	"	"	1	✓	✓	17747

ANALYSIS REQUESTED

Relinquished by: C.A Sluyter-Gray	Date/Time 11/4/96 1340	Received by:	Date/Time 11/4/96 1340
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: C.A Sluyter-Gray Date 11/4/96
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

CHAIN OF CUSTODY RECORD

6172

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 11-4-96

Page 1 of 1

Purchase Order No.:

Job No. 4-1325

SEND INVOICE TO

Name Conoco c/o Cindy Gray

Company

Dept.

Address

City, State, Zip

REPORT RESULTS TO

Name John Coy

Title

Company Conoco cc: Cindy Gray

Mailing Address

City, State, Zip

Telephone No.

Telefax No.

Sampling Location: Farmington B Com 1

Sampler: C.A Sylster-Gray

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	B.G. 8015 M	8020	LAB ID
Test Hole #1 7'-9' bsg	11/4	0820	S:1	Cool	1	✓	✓	17741-17747
" " #2 8'-10' bsg	"	0850	"	"	1	✓	✓	17742
" " #3 6'-2.5' bsg	"	0920	"	"	1	✓	✓	17743
" " #4 3'-5' bsg	"	0940	"	"	1	✓	✓	17744
" " #5 3'-5' bsg	"	1010	"	"	1	✓	✓	17745
" " #6 3'-5' bsg	"	1050	"	"	1	✓	✓	17746
" " #7 5'-7' bsg	"	1130	"	"	1	✓	✓	17747

Relinquished by:	Date/Time 11/4/96 1340	Received by:	Date/Time 11/4/96 1340
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: Date 11/4/96
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6173*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12751*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Monitor Well #1***				
Sampled by:	CG	Date:	4-Nov-96	Time:	15:40
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Liquid*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Benzene	<0.2	ug/L	0.2	ug/L
Toluene	<0.2	ug/L	0.2	ug/L
Ethylbenzene	<0.2	ug/L	0.2	ug/L
m,p-Xylene	<0.2	ug/L	0.2	ug/L
o-Xylene	<0.2	ug/L	0.2	ug/L
TOTAL	<0.2	ug/L		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6173*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12752*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Monitor Well #2***				
Sampled by:	CG	Date:	4-Nov-96	Time:	15:55
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Liquid*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Benzene	<0.2	ug/L	0.2	ug/L
Toluene	<0.2	ug/L	0.2	ug/L
Ethylbenzene	<0.2	ug/L	0.2	ug/L
m,p-Xylene	<0.2	ug/L	0.2	ug/L
o-Xylene	<0.2	ug/L	0.2	ug/L
TOTAL	<0.2	ug/L		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

AROMATIC VOLATILE ORGANICS

Attn:	*John Coy*	Date:	6-Nov-96
Company:	*Conoco, Inc. cc: Cindy Gray*	*COC No.:*	*6173*
Address:	*3315 Bloomfield Hwy.*	*Sample No.*	*12753*
City, State:	*Farmington, NM 87401*	*Job No.*	*4-1325*

Project Name:	***Conoco - Farmington B Com 1***				
Project Location:	***Monitor Well #3***				
Sampled by:	CG	Date:	4-Nov-96	Time:	16:10
Analyzed by:	DC	Date:	5-Nov-96		
Sample Matrix:	*Liquid*				

Laboratory Analysis

Parameter	*Result*	*Unit of Measure*	*Detection Limit*	*Unit of Measure*
Benzene	0.2	ug/L	0.2	ug/L
Toluene	1.5	ug/L	0.2	ug/L
Ethylbenzene	<0.2	ug/L	0.2	ug/L
m,p-Xylene	0.9	ug/L	0.2	ug/L
o-Xylene	0.4	ug/L	0.2	ug/L
TOTAL	3.0	ug/L		

Method - *SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography*

Approved by:
Date: 11/6/96

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 5-Nov-96

Internal QC No.: 0515-QC
Surrogate QC No.: 0516-QC
Reference Standard QC No.: 0417-QC

Method Blank

Parameter	*Result*	*Unit of Measure*
Average Amount of All Analytes In Blank	<0.2	ppb

Calibration Check

Parameter	*Unit of Measure*	*True Value*	*Analyzed Value*	*% Diff*	*Limit*
Benzene	ppb	20.0	19.9	0	15%
Toluene	ppb	20.0	20.9	4	15%
Ethylbenzene	ppb	20.0	21.0	5	15%
m,p-Xylene	ppb	40.0	41.3	3	15%
o-Xylene	ppb	20.0	20.8	4	15%

Matrix Spike

Parameter	*1- Percent Recovered*	*2 - Percent Recovered*	*Limit*	*%RSD*	*Limit*
Benzene	100	102	(39-150)	1	20%
Toluene	100	108	(46-148)	5	20%
Ethylbenzene	102	103	(32-160)	1	20%
m,p-Xylene	102	103	(35-145)	1	20%
o-Xylene	108	102	(35-145)	4	20%

Surrogate Recoveries

Laboratory Identification	*S1 Percent Recovered*	*S2 Percent Recovered*	*Laboratory Identification*	*S1 Percent Recovered*	*S2 Percent Recovered*
Limit Percent Recovered	(70-130)		*Limit Percent Recovered*	(70-130)	
12751-6173	96				
12752-6173	96				
12753-6173	93				

S1: Flourobenzene

PC

6173

CHAIN OF CUSTODY RECORD

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 11-4-96

Page 1 of 1

Purchase Order No.:	Job No. 4-1325		
SEND INVOICE TO: Name		REPORT RESULTS TO: Name Cindy Crist	Title
Company Conoco	Dept.	Company	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
		Telephone No.	Telefax No.

Sampling Location: Farmington B-Com #1

Sampler: CG

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	BTEX 8020	LAB ID
Monitor Well #1	11-4	1540	H_2O	HCl	2	✓	
" " #2	"	1555	"	"	2	✓	
" " #3	"	1610	"	"	1	✓	

Relinquished by:	Date/Time 11-4-96 1645	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: _____ Date 11-4-96
(Client Signature Must Accompany Request)

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

CHAIN OF CUSTODY RECORD

6173

ON SITE TECHNOLOGIES, LTD.

657 W. Maple • P. O. Box 2606 • Farmington NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Date: 11-4-96

Page 1 of 1

Purchase Order No.:	Job No. 4-1325		
SEND INVOICE TO: Name		REPORT RESULTS TO: Name Cindy Crant	Title
Company Conoco	Dept.	Company	
Address		Mailing Address	
City, State, Zip		City, State, Zip	
		Telephone No.	Telefax No.

Sampling Location: FARMINGTON B-COM #1

Sampler: CG

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	MATRIX	PRES.	Number of Containers	BTEX 8020	LAB ID
Monitor Well #1	11-4	1540	H_2O	HCl	2	✓	
" " #2	"	1555	"	"	2	✓	
" " #3	"	1610	"	"	1	✓	

ANALYSIS REQUESTED

Relinquished by:	Date/Time 11-4-96 1645	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Method of Shipment:

Authorized by: (Client Signature Must Accompany Request) Date 11-4-96

Rush	24-48 Hours	10 Working Days	Special Instructions:

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client