PHILIP SERVICES CORP
Industrial Services Group
Central Region

January 8, 1998 Project 18959

Mr. Ed Hasely
Burlington Resources Oil and Gas Company
P.O. Box 4289
Farmington, New Mexico 87401

RE: Report for work performed at the Hampton 4M site

Dear Mr. Hasely:

Philip Services Corporation (Philip) is pleased to submit to Burlington Resources Oil and Gas Company (Burlington) this report for work performed at the Hampton 4M site located approximately 2.5 miles east of Aztec, New Mexico.

SCOPE OF WORK

Based on Philip's November 25, 1997 proposal to Burlington, the following scope of work was completed at the Hampton 4M site:

- Provide Technician, Pickup Truck and photoionization detector (PID) to monitor soil contamination levels during excavation.
- Provide Loader, two Dump Trucks and three operators to remove contaminated material from the Hampton 4M site and transport it to locations to be designated by Burlington for landfarming.

At Burlington's request, the dozer work originally included in Philip's proposal was performed by Rosenbaum Construction (Rosenbaum).

RESULTS

On December 3, 1997 Philip began monitoring contamination levels of soil excavated for Burlington by Rosenbaum. Johnny Ellis of Burlington and Gary Cook of Public Service Company of New Mexico (PNM) moved pipe, fence and a livestock tank by hand from the area to be excavated. At Mr. Ellis' instructions, Rosenbaum pushed soil to the south side of the excavation until reaching soil shown by PID reading to be contaminated, then pushed the contaminated soil to the north side of the excavation.

Philip screened the contaminated soil with the PID and registered a reading of 900 parts per million (ppm). Mr. Ellis requested that Philip use a loader and dump truck to transport contaminated soil to the Nye SRC #14, Nye SRC #4 and the Hampton #5 to landfarm. When Philip's technician pointed out the cost benefits of using 2 loaders and 2 dump trucks, Mr. Ellis approved the change and hired one from Moss Excavation (Moss). Philip continued to screen soil as Rosenbaum pushed the contaminated soil from the excavation. PID readings of the screened soil were over 1,000 ppm. Dump trucks hauled contaminated soil to the Nye SRC #14 for landfarming and returned with backfill generated from the landfarm location.

Operations continued on December 4, 1997. As Rosenbaum pushed contaminated soil from the excavation, Philip screened the soil and hauled it to the Nye SRC #14 and the Nye SRC #4, returning from each trip with backfill. Denny Foutz of the New Mexico Oil Conservation District (NMOCD) and Denver Bearden of PNM arrived on site at approximately 11:30 a.m. Mr. Foutz inspected the excavation, declared it clean based on visual observation, and stopped the dozer work.

Philip then collected samples from all four walls and the bottom of the excavation for heated headspace readings. Readings from the south wall were 526 ppm; the west wall, 51 ppm; the north wall, 273 ppm; the east wall, 388 ppm; and the bottom, 195 ppm. Philip told Rosenbaum to resume excavating.

At 1:00 p.m., Philip stopped the excavating and collected another set of headspace samples. The south wall reading was 5.4 ppm; the west wall was at 51 ppm; the north wall was at 49 ppm; the east wall was at 15 ppm; and the bottom was at 38 ppm. These five samples were mixed and tested for a composite reading of 44 ppm. Groundwater was encountered at 15 feet. Approximately 5 to 10 barrels of water seeped into the excavation. No groundwater samples were collected. Philip released Rosenbaum at that time and collected new samples for laboratory analysis. The samples were sent to Onsite Laboratory located in Farmington, New Mexico and analyzed for Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX) by USEPA method 8020 and Total Petroleum Hydrocarbons (TPH) by USEPA method 8015 modified for gasoline and diesel range. Dump trucks continued hauling impacted soil until Philip stopped activities for the day at 4:30 p.m. Laboratory analysis indicated BTEX and TPH results to be below NMOCD cleanup standards for soil. Results of laboratory analysis are included in Attachment A.

On December 5, 1997 Philip continued to haul contaminated soil to the landfarm locations and return with backfill. When the supply of backfill was exhausted, Philip continued to transport contaminated soil to the landfarm. Hauling stopped for the day at 4:30 p.m. with approximately 300 cubic yards of contaminated soil remaining.

On December 6, 1997 Philip transported the remaining contaminated soil to the Hampton #5, as the Nye SRC #14 and the Nye SRC #4 were both full. When transportation was completed at 12:00 p.m., equipment was loaded and demobilized from site.

The final excavation was approximately 60 feet long, 30 feet wide and 15 feet deep. Philip estimates 1,000 cubic yards of contaminated soil were removed and approximately 700 cubic yards of backfill returned to the site. An additional 300 cubic yards of clean soil will be required to bring the excavation to grade..

Philip appreciates the opportunity to provide Burlington with professional services and looks forward to providing additional services in the future. If you have any questions or require additional information, please contact Robert Thompson or Martin Nee at (505) 326-2262.

Respectfully submitted,
PHILIP SERVICES CORPORATION

Robert Thompson
Project Manager

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Attachment A

Results of Laboratory Analysis

001325

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:	*Scott Pope*	Date:	12-Dec-97
Company:	*Philip Environmental*	COC No.:	*G3687*
Address:	*4000 Monroe Road*	Sample No.:	*17042*
City, State:	*Farmington, NM 87401*	Job No.:	*2-1000*

Project Name:	***Burlington Resources - Hampton 4M***				
Project Location:	***B.R.O.G. 01***				
Sampled by:	DB	Date:	4-Dec-97	Time:	13:00
Analyzed by:	DC/HR	GRO Date:	9-Dec-97		
Sample Matrix:	*Soil*	DRO Date:	11-Dec-97		

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Gasoline Range Organics (C5 - C9)	ND	mg kg	0.5	mg/kg
Diesel Range Organics (C10 - C28)	ND	mg kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

Quality Assurance Report

GRO QC No.: 0554-STD

DRO QC No.: 0555-STD

Continuing Calibration Verification

Parameter	Method Blank	Unit of Measure	True Value	Analyzed Value	RPD	RPD Limit
Gasoline Range (C5 - C9)	ND	ppb	1,801	1,869	3.7	15%
Diesel Range (C10 - C28)	ND	ppm	200	195	2.4	15%

Matrix Spike

Parameter	1- Percent Recovered	2,- Percent Recovered	Limit	RPD	RPD Limit
Gasoline Range (C5-C9)	93	92	(80-120)	0	20%
Diesel Range (C10-C28)	95	98	(75-125)	3	20%

Method: *SW-846 EPA Method 8015A mod. - Nonhalogenated Vol[illegible]ocarbons by Gas Chromatography*

Approved by: [signature]

Date: 12/12/97

001326

OFF: (505) 325-5667

ON SITE
TECHNOLOGIES, LTD.

LAB: (505) 325-1556

ANALYTICAL REPORT

Attn:	*Scott Pope*	Date:	10-Dec-97
Company:	*Philip Environmental*	COC No.:	*G3687*
Address:	*4000 Monroe Road*	Sample No.:	*17042*
City, State:	*Farmington, NM 87401*	Job No.:	*2-1000*

Project Name:	***Burlington Resources - Hampton 4M***				
Project Location:	***B.R.O.G. 01***				
Sampled by:	DB	Date:	4-Dec-97	Time:	13:00
Analyzed by:	DC	Date:	8-Dec-97		
Sample Matrix:	*Soil*				

Laboratory Analysis

Parameter	Results as Received	Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene	3	ug/kg	1	ug/kg
Toluene	6	ug/kg	1	ug/kg
Ethylbenzene	1	ug/kg	1	ug/kg
m,p-Xylene	17	ug/kg	1	ug/kg
o-Xylene	3	ug/kg	1	ug/kg
TOTAL	31	ug/kg		

ND - Not Detected at Limit of Quantitation

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

Approved by:
Date: 12/10/97

001327

OFF: (505) 325-5667

ON SITE TECHNOLOGIES, LTD.

LAB: (505) 325-1556

QUALITY ASSURANCE REPORT

for EPA Method 8020

Date Analyzed: 8-Dec-97

Internal QC No.: 0559-STD
Surrogate QC No.: 0556-STD
Reference Standard QC No.: 0529/30-QC

Method Blank

Parameter	Result	Unit of Measure
Average Amount of All Analytes In Blank	< 1.0	ppb

Calibration Check

Parameter	Unit of Measure	True Value	Analyzed Value	RPD	Limit
Benzene	ppb	60.0	62.9	5	15%
Toluene	ppb	60.0	64.8	8	15%
Ethylbenzene	ppb	60.0	63.0	5	15%
m,p-Xylene	ppb	120.0	123.2	3	15%
o-Xylene	ppb	60.0	63.0	5	15%

Matrix Spike

Parameter	1- Percent Recovered	2 - Percent Recovered	Limit	RPD	Limit
Benzene	96	97	(39-150)	1	20%
Toluene	98	99	(46-148)	1	20%
Ethylbenzene	97	98	(32-160)	1	20%
m,p-Xylene	95	95	(35-145)	0	20%
o-Xylene	97	97	(35-145)	1	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)	
17042-G3687	92				
				12/12/97	12/10/97

S1: Flourobenzene

001328

PHILIP ENVIRONMENTAL

Chain of Custody Record — Nonchemical Samples

210 West Sand Bank Road
P.O. Box 230
Columbia, IL 62236-0230

(618) 281-7173 Phone
(618) 281-5120 FAX

COC Serial No. G 3687

Project Name Burlington Pits Hampton 4m
Project Number 1895-9 Phase . Task 8000 . 77
Samplers David Brown

Lab Name ONSITE
Location Farmington

Sample Number	Date	Time	Matrix	Analysis Type: BTX	Analysis Type: TPH	Comments
B.R.O.G. 01	12-4-97	13:00	SOIL	X	X	17042-63687

Relinquished by:

Signature	Date	Time
David Brown	12-4-97	15:05

Received By:

Signature	Date	Time
	12/4/97	1505

Carrier: Airbill No.

Shipping and Lab Notes:

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PE-211 (4-95)