

11 August 2006

Mr. Shelby Pennington Senior Environmental Specialist ExxonMobil 6810 NW 8000 Andrews, TX 79714

### RE: Closure Report ExxonMobil Bridges State 120 (Ref. #190020) UL-B (NW<sup>1</sup>/4 of the NE<sup>1</sup>/4) of Section 14, T17S, R34E Latitude N 32° 50' 20.4" and Longitude W 103° 31' 38.7"

Dear Mr. Pennington:

ExxonMobil retained Environmental Plus, Inc. (EPI) to delineate the extents of contamination at the abovereferenced site. This letter report documents the delineation and remediation activities performed.

### Site Background

The site is located in the NW¼ of the NE¼ of Section 14, Township 17 South, Range 34 East at an elevation of approximately 4,032 feet above mean sea level (reference *Figures 1 and 2*). The property is owned by the State of New Mexico and leased by Eidson Ranch, Inc. A search for area water wells was completed utilizing the <u>New Mexico Office of the State Engineers</u> website and a database maintained by the United States Geological Survey (USGS). Two wells were found to be located in Section 14 and thirteen additional wells were found to be located in the eight adjacent sections (i.e., sections 10, 11, 12, 13, 15, 22, 23 and 24 of Township 17 South, Range 34 East). In addition, 34 wells associated with the oil and gas industry (i.e., exploration, recovery, etc.) were found to be located within the search area. The average depth to water in the wells located in Section 14 was reported to be approximately 91 feet below ground surface (bgs) and the average depth to water for the remaining wells was reported to be located within a 1,000-foot radius of the release location (reference *Figure 2*). Based on this information, it was determined that the distance between the contamination and groundwater was between 50 and 100 feet. Utilizing this information, the New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this site are as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	1,000 parts per million
Chloride	Concentrations cannot be capable of impacting groundwater at or above the NMWQCC groundwater standard of 250 milligrams per liter.

NMWQCC = New Mexico Water Quality Control Commission

### **Field Work**

EPI was on site on June 21, 2005 to advance soil borings within the perimeter of the release area to delineate the lateral and vertical extents of contamination (reference *Figure 3*). During the advancement of the soil boring, samples were collected at various intervals to a maximum of 5-feet below ground surface (bgs). A portion of each sample was placed in a laboratory provided container and set on ice for transport to Environmental Labs of Texas (ELT), for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX); gasoline range organics (GRO), diesel range organics (DRO) and chlorides.

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The remaining portion of each sample was placed in a self sealing polyethylene bag and set in a heated environment (i.e., sun) to allow the volatilization of organic vapors. After the samples had been allowed to equilibrate to  $\approx 70^{\circ}$  F, they were analyzed for the presence of organic vapors utilizing a MiniRae<sup>®</sup> photoionozation detector (PID) equipped with a 9.8 electron-volt (eV) lamp. In addition, the samples were analyzed in the field for the presence of chloride using a LaMotte Chloride Test Kit.

Field analyses of the sample collected during the advancement of soil boring SB-1 indicated the presence of organic vapors at a concentration 16.1 parts per million (ppm) at 6-inches (reference *Table 2*). Field analyses for chloride indicated a concentration of 480 milligrams per kilogram (mg/Kg) at the same interval.

Field analyses of the samples collected during the advancement of soil boring SB-2 indicated the presence of organic vapor concentrations ranging from 4.1 to 5.5 ppm. Field analyses for chloride concentrations indicated a range of 800 to 520 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-3 indicated the presence of organic vapor concentrations ranging from 3.3 to 12.1 ppm. Field analyses for chloride concentrations indicated a range of 960 to 500 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-4 indicated the presence of organic vapor concentrations ranging from 33.5 to 8.5 ppm. Field analyses for chloride concentrations indicated a range of 3,680 to 320 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-5 indicated the presence of organic vapor concentrations ranging from 27.9 to 24.3 ppm. Field analyses for chloride concentrations indicated a range of 500 to 480 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-6 indicated the presence of organic vapor concentrations ranging from 26.5 to 28.1 ppm. Field analyses for chloride concentrations indicated a range of 1,360 to 320 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-7 indicated the presence of organic vapor concentrations ranging from 32.6 to 33.7 ppm. Field analyses for chloride indicated a concentration of 480 mg/Kg at 6-inches bgs.

Field analyses of the samples collected during the advancement of soil boring SB-8 indicated the presence of organic vapor concentrations ranging from 86.3 to 17.3 ppm. Field analyses for chloride concentrations indicated a range of 800 to 560 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-9 indicated the presence of organic vapor concentrations ranging from 5.6 to 51.4 ppm. Field analyses for chloride concentrations indicated a range of 1,700 to 481 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-10 indicated the presence of organic vapor concentrations ranging from 35.7 to 13.6 ppm. Field analyses for chloride concentrations indicated a range of 800 to 480 mg/Kg. Chloride concentrations decreased with depth from ground surface.

Field analyses of the samples collected during the advancement of soil boring SB-11 indicated the presence of organic vapor concentrations ranging from 73.6 to 31.1 ppm. Field analyses for chloride concentrations indicated a range of 1,240 to 480 mg/Kg. Chloride concentrations decreased with depth from ground surface.

During the advancement of the soil boring, the lithology was defined as dark topsoil to a depth of approximately 2 feet bgs, underlain by caliche to a depth of at lease 5 feet bgs (reference *Attachment II*).

Based on information obtained during delineation activities, excavation of impacted soil in the pasture area commenced on May 9, 2006. The excavation area totaled approximately 7,000-square feet excavated to a maximum depth of 5-feet bgs. The excavation area was comprised of a northern and southern excavation of 2,900 and 4,100-square feet, respectively. Approximately 2,651-cubic yards of soil were excavated and separated. Approximately 1,635-cubic yards of rock were obtained after separation and stockpiled on site for use as backfill material. The remaining portion of soil, approximately 1,016-cubic yards, was transported to Sundance Services, Inc. for disposal.

On May 19, 2006, a series of thirteen soil samples were collected from the excavation floor and sidewalls. Upon collection, a portion of each sample placed in a laboratory provided container and set on ice for transport. As previous soil sample analyses indicated the absence of hydrocarbon impacts, soil samples were submitted to ELT for chloride quantification. The remaining portion of each sample was analyzed in the field for the presence of chloride using a LaMotte Chloride Test Kit.

Field analyses of soil samples collected from the excavation indicated chloride concentrations ranged from 240 to 500 ppm.

Upon receipt of excavation soil sample laboratory analyses and approval from the NMOCD, the excavation was backfilled to 2-feet bgs utilizing separated rock and soil obtained from the State of New Mexico. The remaining portion of the excavation was backfilled with clean topsoil obtained from Eidson Ranch.

### **Analytical Data**

Analytical results for the sample collected during the advancement of soil boring SB-1 at 0.5-feet bgs indicated GRO, DRO and BTEX constituent concentrations were non-detectable at or above laboratory method detection limits (MDL). Chloride concentrations were reported at 518 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-2 at 3-feet bgs indicated GRO and BTEX constituent concentrations were non-detectable at or above laboratory MDL. Reported DRO concentrations were 366 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. Chloride concentrations were reported at 80 mg/Kg, below the NMWQCC standard for groundwater (reference *Table 2*). Analytical results for the sample collected during the advancement of soil boring SB-3 at 2-feet bgs indicated GRO, DRO and BTEX constituent concentrations were non-detectable at or above laboratory MDL. Chloride concentrations were reported at 837 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-4 at 0.5-feet bgs indicated benzene, GRO and DRO were non-detectable at or above laboratory MDL. BTEX constituent concentrations were reported at 41.7  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations at 0.5-feet bgs were reported at 4,580 mg/Kg, in excess of the NMWQCC standard for groundwater of 250 mg/Kg. Reported GRO, DRO and BTEX constituent concentrations in the sample from 5-feet bgs were non-detectable at or above laboratory MDL. Chloride concentrations at 5-feet bgs were reported at 133 mg/Kg, below the site remedial goal of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-5 at 2-feet bgs indicated benzene, GRO and DRO concentrations were non-detectable at or above laboratory MDL. BTEX constituent concentrations were reported at 186  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations were reported at 583 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-6 at 2-feet bgs indicated benzene, GRO and DRO concentrations were non-detectable at or above laboratory MDL. BTEX constituent concentrations were reported at 454  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations were reported at 158 mg/Kg, below the site remedial goal of 250 mg/Kg (reference *Table 2*).

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Analytical results for the sample collected during the advancement of soil boring SB-7 at 0.5-feet bgs indicated benzene, GRO and DRO concentrations were 299 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. BTEX constituent concentrations were reported at 352  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations were reported at 642 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-8 at 2-feet bgs indicated benzene, GRO and DRO concentrations were 109 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. BTEX constituent concentrations were non-detectable at or above laboratory MDL. Chloride concentrations were reported at 557 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-9 at 0.5 and 5-feet bgs indicated BTEX constituent concentrations were non-detectable at or above laboratory MDL. GRO and DRO concentrations at 0.5-feet bgs were reported at 259 mg/Kg and at 5-feet bgs were reported at 237 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. Chloride concentrations at 0.5-feet bgs were reported at 360 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-10 at 2-feet bgs indicated benzene, GRO and DRO concentrations were non-detectable at or above laboratory MDL. BTEX constituent concentrations were reported at 55  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations were reported at 1,090 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the sample collected during the advancement of soil boring SB-11 at 4-feet bgs indicated benzene, GRO and DRO concentrations were 521 mg/Kg, below the NMOCD remedial threshold of 1,000 mg/Kg. BTEX constituent concentrations were reported at 27.9  $\mu$ g/Kg, below the NMOCD remedial threshold of 50,000  $\mu$ g/Kg. Chloride concentrations were reported at 1,100 mg/Kg, exceeding the site remedial goals of 250 mg/Kg (reference *Table 2*).

Analytical results for the samples collected from the excavation of May 19, 2006 indicated chloride concentrations were below the NMWQCC groundwater standard of 250 mg/Kg for all sample locations, with the exception of samples BH-4 (5') and SW-8 (3'). Reported chloride concentrations in sample BH-4 (5') were 833 mg/Kg and SW-8 (3') were 402 mg/Kg.

### **Conclusions**

Based on field and analytical analyses, there were no hydrocarbon impacts in excess of NMOCD remedial thresholds (reference *Table 2*). Chloride impacted soil in excess of the 250 mg/Kg remediation goal, approximately 2,650-cubic yards, was excavated from a 7,000-square foot area to a maximum depth of 5-feet bgs. Approximately 1,016-cubic yards of excavated, chloride impacted soil were transported to Sundance Services, Inc. for disposal. Laboratory analyses of soil samples collected from the excavation sidewalls indicated residual chloride concentrations were below 250 mg/Kg, with the exception of the excavation floor sample BH-4 (5') and sidewall sample SW-8 (3'). Although reported chloride concentrations in two of the thirteen excavation samples did exceed the 250 mg/Kg remedial goal, adequate depth to groundwater will prevent it from being adversely impacted due to this release.

### **Recommendations**

Field and analytical results indicated impacted soil had been excavated and disposed of in a State of New Mexico approved facilities. Based on adequate depth to groundwater (approximately 98-feet bgs), chloride residuals in the floor and sidewall are unlikely to impact groundwater. Environmental Plus, Inc. recommends ExxonMobil request the NMOCD require no further action and issue a site closure letter.

Mr. Shelby Pennington 11 August 2006

Should you have any questions or concerns, please contact Cody Miller or me at (505) 394-3481.

Sincerely,

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ENVIRONMENTAL PLUS, INC.

Hegemolk and

Jason Stegemoller <sup>()</sup> Environmental Scientist

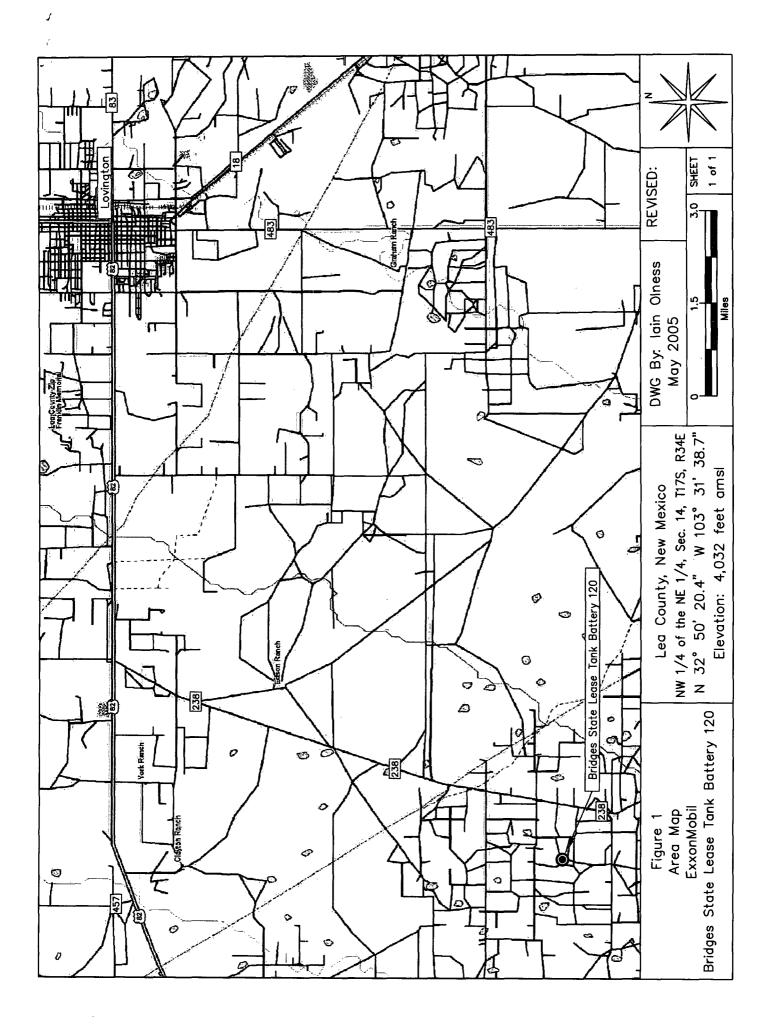
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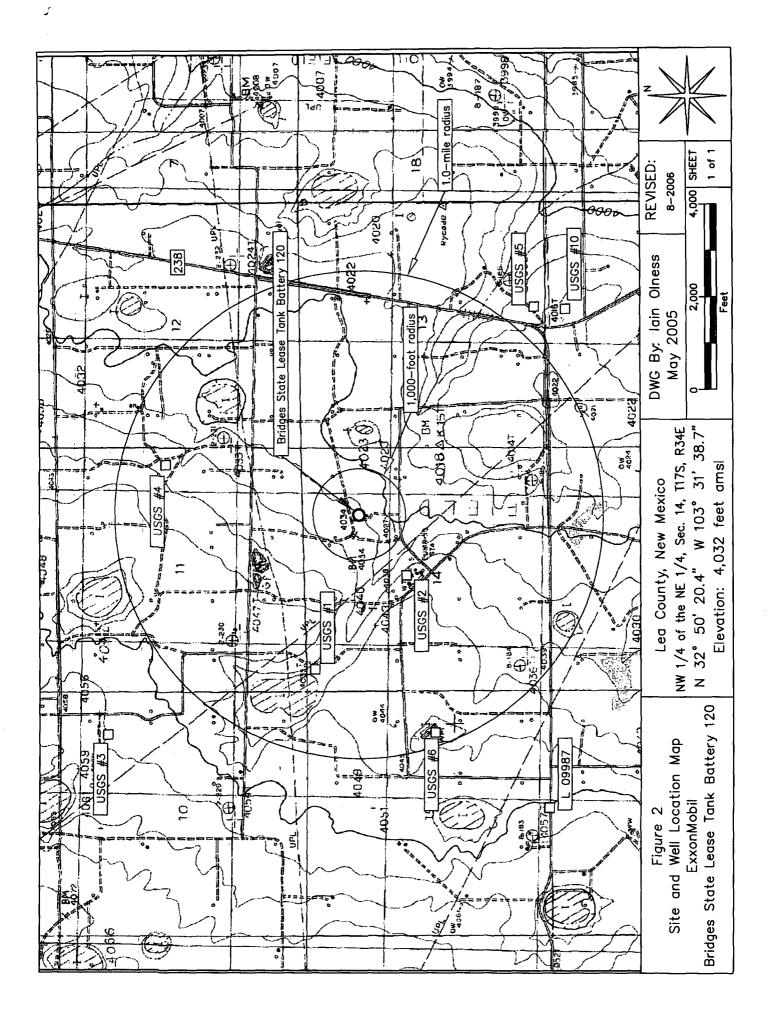
 encl. Attachment A – Figures Attachment B – Tables Attachment C – Laboratory Analytical Results and Chain-of-Custody Form Attachment D – Photographs Attachment E – Soil Boring Logs

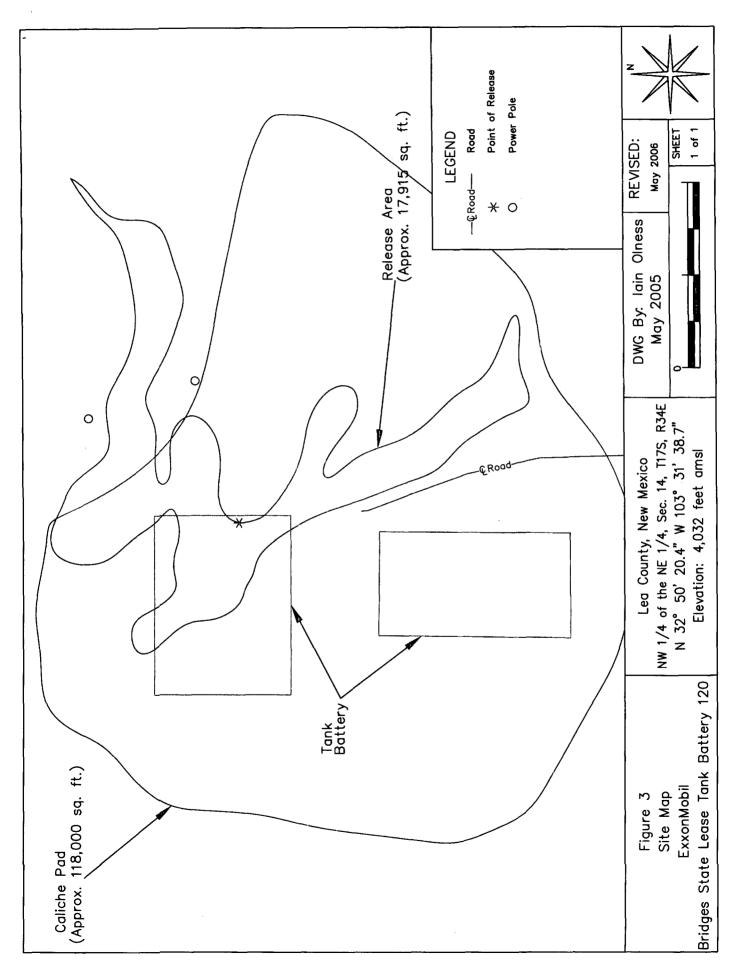
# ATTACHMENT A Figures

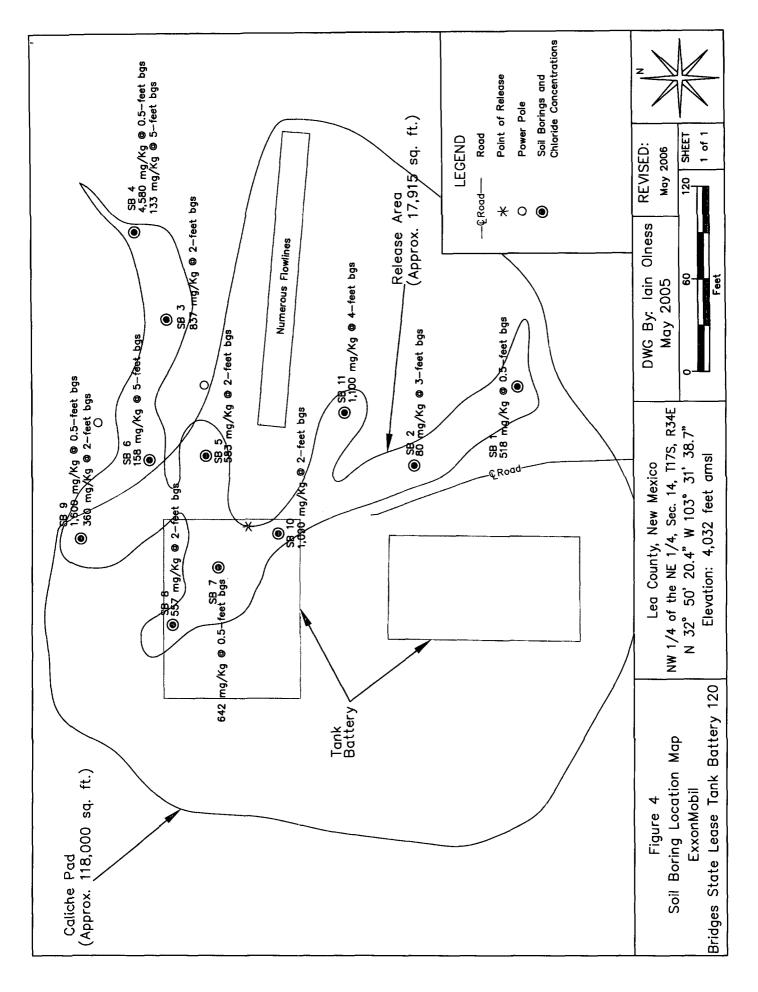
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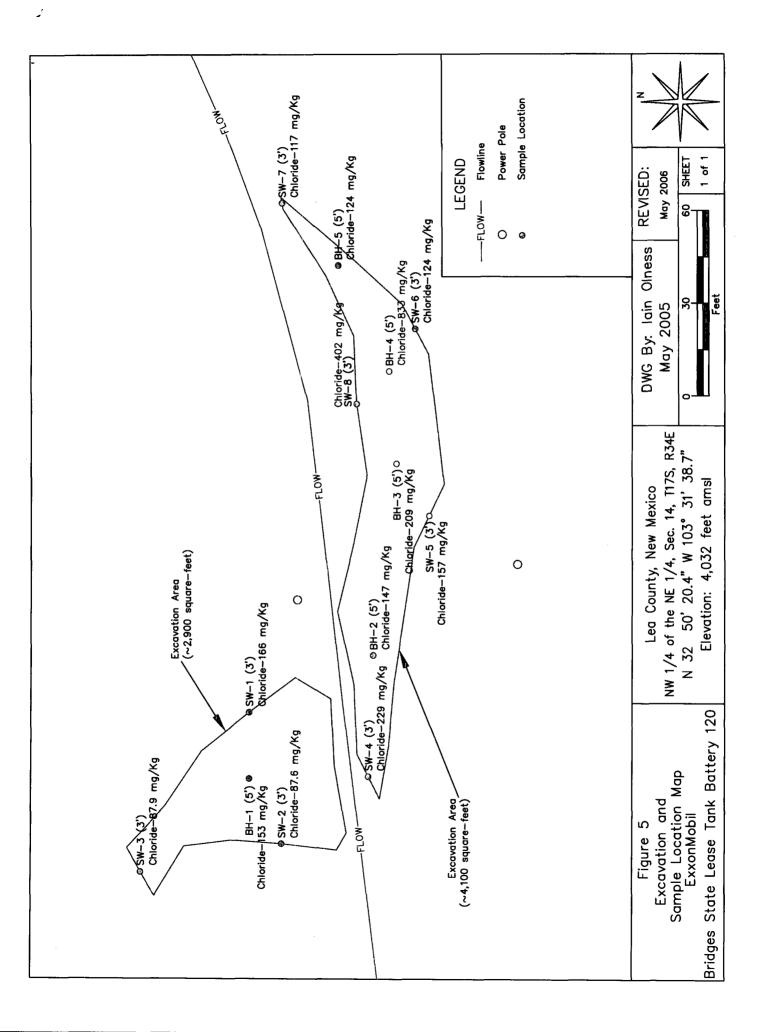
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## ATTACHMENT B Tables

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# Well Data

# ExxonMobil Bridges State Lease Tank Battery 120 (Ref. #190020)

Use Twsp Rng
SRO
PRO
PRO
5-54 - 5 - 5
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PRO
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# Well Data

# ExxonMobil Bridges State Lease Tank Battery 120 (Ref. #190020)

Cross Laboratories, Inc.       DOM       17 S       34 E       22       41 4       A       Addition       Measured         Cross Laboratories, Inc.       DOM       17 S       34 E       22       4 3 4       17 - Feb-71       17 - Feb-71         Amerada Petroleum Corp.       PRO       17 S       34 E       22       4 3 4       103° 32' 21.81"       18 - Dec-90         Amerada Petroleum Corp.       PRO       17 S       34 E       23       4 3 3       103° 32' 6.32"       16 - Feb-38         Amerada Petroleum Corp.       PRO       17 S       34 E       23       4 3 3       103° 32' 6.32"       16 - Feb-38         Cross Laboratories, Inc.       DOM       17 S       34 E       23       4 3 3       103° 31' 19.88"       03- Aug-71         Mobil Oil Corporation       SRO       17 S       34 E       24       10 32' 48' 47.11"       W 103° 31' 19.88"       02- Apr-86         Mobil Oil Corporation       SRO       17 S       34 E       24       10 32' 48' 47' 11"       W 103° 31' 49' 55"       03- Aug-71         Matcum Drilling Company       PRO       17 S       34 E       24       10 32' 49' 13.67"       09-13n-67         Matcum Drilling Company       PRO       17 S       34 E </th <th>Well Number</th> <th>Diversion<sup>A</sup></th> <th>Owner</th> <th>Use</th> <th>Twsp</th> <th>Rng</th> <th>Sec a a a</th> <th>Latitude</th> <th>Longitude</th> <th>Date</th> <th>Surface</th> <th>Surface Well Depth</th> <th>Depth to Water</th>	Well Number	Diversion <sup>A</sup>	Owner	Use	Twsp	Rng	Sec a a a	Latitude	Longitude	Date	Surface	Surface Well Depth	Depth to Water
Interview         Interview <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>D</th><th>Measured</th><th>Elevation"</th><th>(ft bgs)</th><th>(ft bgs)</th></t<>									D	Measured	Elevation"	(ft bgs)	(ft bgs)
	USGS #7				17 S	34 E	22 414			17-Feb-71	4,040		125.89
0         Cross Laboratories, Inc.         DOM         17 S         34 E         23         N 32° 48' 47.15"         W 103° 32' 21.81"         4,032         4,032         135            3         Amerada Petroleum Corp.         PRO         17 S         34 E         23         4         N 32° 48' 47.12"         W 103° 32' 6.32"         16-Feb-38         4,027         135            0         Cross Laboratories, Inc.         DOM         17 S         34 E         23         4 3.3         2.4.47.11"         W 103° 32' 6.32"         16-Feb-38         4,027         135                       4,027         135	USGS #8				17 S	34 E	22 434			18-Dec-90	4,036		153.91
3       Amerada Petroleum Corp.       PRO       17S       34E       23       34       N 32° 48' 47.22"       W 103° 32' 6.32"       16-Feb-38       4,027       135         0       0       Cross Laboratories, Inc.       DOM       17S       34E       23       43       24       N 130° 32' 6.32"       16-Feb-38       4,027       135         0       0       Cross Laboratories, Inc.       DOM       17S       34E       24       N 32° 48' 47.41"       W 103° 31' 19.88"       4,016       27       25         1200       Mobil Oil Corporation       SRO       17S       34E       24       N 32° 49' 0.71"       W 103° 30' 33.58"       25-Feb-81       3,997       225         0       Marcum Drilling Company       PRO       17S       34E       24       N 32° 49' 13.67"       W 103° 31' 4.45"       09-Jan-67       4,016       255	L 01647	0	Cross Laboratories, Inc.	DOM	17 S	34 E	23	N 32° 48' 47.15"	W 103° 32' 21.81"		4,032		
0         Cross Laboratories, Inc.         DOM         17 S         34 E         23         4.3 3         4.03° 31' 19.88"         4.025         4.025           0         Cross Laboratories, Inc.         DOM         17 S         34 E         24         N 32° 48' 47.41"         W 103° 31' 19.88"         4.016         4.013         4.016         4.013         4.016 <td< td=""><td>L 02135 DCL</td><td>3</td><td>Amerada Petroleum Corp.</td><td>PRO</td><td>17 S</td><td>34 E</td><td>23 34</td><td>N 32° 48' 47.22"</td><td>W 103° 32' 6.32"</td><td>16-Feb-38</td><td>4,027</td><td>135</td><td></td></td<>	L 02135 DCL	3	Amerada Petroleum Corp.	PRO	17 S	34 E	23 34	N 32° 48' 47.22"	W 103° 32' 6.32"	16-Feb-38	4,027	135	
0       Cross Laboratories, Inc.       DOM       17 S       34 E       23       48' 47.41''       W 103'' 31' 19.88''       4,016       4,016         1200       Mobil Oil Corporation       SRO       17 S       34 E       24       N 32'' 48' 47.41''       W 103'' 31' 19.88''       4,016       225         0       Mobil Oil Corporation       SRO       17 S       34 E       24       120''       W 103'' 31' 14.45''       3,997       225         0       Marcum Drilling Company       PRO       17 S       34 E       24       10 32'' 49'' 0.71''       W 103'' 31'' 4.45'''       09-Jan-67       4,013''       147					С Г	1170	, , , , , , , , , , , , , , , , , , ,			03-Aug-71	3001		107.09
0         Cross Laboratories, Inc.         DOM         17 S         34 E         24         N 32° 48' 47.41"         W 103° 31' 19.88"         4,016         25           1200         Mobil Oil Corporation         SRO         17 S         34 E         24         42         N 32° 49' 0.71"         W 103° 30' 33.58"         2,5-Feb-81         3,997         225           0         Marcum Drilling Company         PRO         17 S         34 E         24         14         N 32° 49' 13.67"         W 103° 31' 4.45"         09-Jan-67         4,013         147	6# cncn				c/1	о 1 1	50 4 07			02-Apr-86	C20,4		128.03
1200         Mobil Oil Corporation         SRO         17 S         34 E         24         4 2         N 32° 49° 0.71"         W 103° 30′ 33.58"         25-Feb-81         3,997         225           0         Marcum Drilling Company         PRO         17 S         34 E         24         14         N 32° 49′ 13.67"         W 103° 31′ 4.45"         09-Jan-67         4,013         147           1         0         Marcum Drilling Company         PRO         17 S         34 E         24         14         N 32° 49′ 13.67"         W 103° 31′ 4.45"         09-Jan-67         4,013         147	L 01646	0	Cross Laboratories, Inc.	MOD	17 S		24	N 32° 48' 47.41"	W 103° 31' 19.88"		4,016		
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	USGS #10	L. S. Standard		Restances and and	17 S 17	34E	24 211	or a constant of the second of t		08-Fcb-96-	4.016		103:66

\* = Data obtained from the New Mexico Office of the State Engineer Website (http://waters.ose.state.nm.us:7001/iWATERS/wr\_RegisServlet1)

Shaded well information indicates well location shown on Figure 2

 $^{A}$  = in acre feet per annum

<sup>B</sup> = Elevation interpolated from USGS topographical map based on referenced location. SRO = Secondary Recovery of Oil

PRO = Prospecting or Development of a Natural Resource STK = Livestock Watering

IND = Industrial

MIN = Mining or Milling or Oil SAN = Sanitary in Conjunction with a Commercial Use EXP = Exploration

DOM = Domestic One Household.

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

# SUMMARY OF SOIL BORING ANALYTICAL RESULTS

# ExxonMobil Bridges State 120 (Ref. #190020)

250 <sup>A</sup>	1,000			<b>50,000</b> <i>tards</i>	inking Stand	indwater Dr.	WOCC Grou	10,000	on Thresholds	D Remediatic	f the NMOC	NMOCD Remedial Thresholds olded values are in excess of the NMC	NMOCD Remedial Thresholds         10,000         50           Bolded values are in excess of the NMOCD Remediation Thresholds and/or NMWOCC Groundwater Drinking Standards
1,100	521	505	15.8	27.9	27.9	<25.0	<25.0	<25.0	480	51.3	4		
8	•	1	:	1		1	1	1	560	31.1	2	21-Jun-05	SB-11
1	1	1	1	1	1	J ł	1	1	1,240	73.6	0.5		
I	-	1	1	1	1			-	560	13.6	4		
1,090	<10.0	9.19 <sup>1</sup>	<10.0	55	55	<25.0	<25.0	<25.0	480	17.1	2	21-Jun-05	SB-10
1	1	:		1	I	1	1	1	800	35.7	0.5		
360	237	237	<10.0	<125	<50	<25.0	<25.0	<25.0	481	51.4	2		2-00
1,600	259	259	<10.0	<125	<50	<25.0	<25.0	<25.0	1,700	5.6	0.5	21 Jun 05	CB 0
557	109	109	<10.0	<125	<50	<25.0	<25.0	<25.0	560	17.3	2	CO-1106-17	0-00
1	6 1	1		1		1		1	800	86.3	0.5	21 Inn 05	CB 6
1	-	1	1	1					-	33.7	2	C0 mc 17	
642	299	299	6.72 <sup>3</sup>	352	289	16.5 <sup>J</sup>	46.3	<25.0	480	32.6	0.5	21-Jun-05	SB-7
158	<10.0	<10.0	<10.0	454	390	14.6 <sup>J</sup>	64	<25.0	320	28.1	5		
1	1	1	1	1	1	1	1	1	600	35.0	2	21-Jun-05	SB-6
1	1	1	•	1					1,360	26.5	0.5		
583	<20.0	<10.0	<10.0	186	142	<25.0	44	<25.0	480	24.3	2	CO-IID (-17	C-GC
1	1				1		1		500	27.9	0.5	21 Tun 06	5 Q.S
133	<10.0	<10.0	<10.0	<125	<50	<25.0	<25.0	<25.0	320	8.5	5		
1	1	•			1	-		3	1,160	33.5	7	21-Jun-05	SB-4
4,580	<10.0	<10.0	<10.0	41.7	41.7	<25.0	<25.0	<25.0	3,680	32.1	0.5		
837	<10.0	<10.0	<10.0	<125	<50	<25.0	<25.0	<25.0	500	12.1	2	CO-1106-17	C-0C
	1	-	-				1	1	096	3.3	0.5	21 Inn 05	CD 3
80	366	366	<10.0	<125	<50	<25.0	<25.0	<25.0	520	5.5	3		
1	1		1	1	9 F	L I	1	1	640	5.0	2	21-Jun-05	SB-2
1	1		-						800	4.1	0.5		
518	559	559	<10.0	<125	<50	<25.0	<25.0	<25.0	480	16.1	0.5	21-Jun-05	SB-I
(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(μg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(mg/Kg)	(mqq)	(feet)		
Chloride	Hydrocarbon	OXC	GRO	BTEX	Xylenes	benzene	Toluene	Benzene	Chloride	Analyses	Depth	Sample	Soil Boring
Ę	Total			Total	Total	Ethyl-	{	1	Field	Field	Sample		

- - : Not Analyzed

<sup>A</sup> Chloride residuals may not be capable of impacting local groundwater above the NMWQCC groundwater waterstandards of 250 mg/L. Reference Figure 4 for Sample Locations

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# SUMMARY OF EXCAVATION ANALYTICAL RESULTS

# ExxonMobil Bridges State 120 (Ref. #190020)

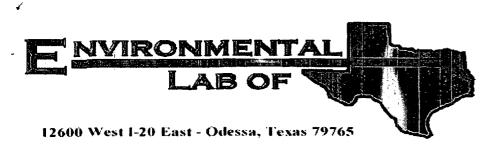
		Sample	Coil Ctatue	Chloride Fiald	Ranzana	Tolnana	Ethyl-	Total	Total	HdT	HdT	Total	Chloride
Sample ID	Sample Date	Depth	SUID C IIOC	Analyses	Delizence	TOTACIA	benzene	Xylenes	BTEX	(as gasoline)	(as diesel)	HdT	
		(feet)		(mqq)	(µg/Kg)	(µg/Kg)	(μg/Kg)	(µg/Kg)	(µg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
BH-1 (5')	19-May-06	5	In Situ	440	NA	NA	NA	NA	NA	NA	NA	NA	153
BH-2 (5')	19-May-06	5	In Situ	400	NA	NA	NA	NA	NA	NA	NA	NA	147
BH-3 (5')	19-May-06	5	In Situ	240	NA	NA	NA	NA	NA	NA	NA	NA	209
BH-4 (5')	19-May-06	5	In Situ	400	NA	NA	NA	NA	NA	NA	NA	NA	833
BH-5 (5')	19-May-06	5	In Situ	400	NA	NA	NA	NA	NA	NA	NA	NA	124
SW-1 (3')	19-May-06	3	In Situ	320	NA	NA	NA	NA	NA	NA	NA	NA	166
SW-2 (3')	19-May-06	3	In Situ	320	NA	NA	NA	NA	NA	NA	NA	NA	87.6
SW-3 (3')	19-May-06	3	In Situ	320	NA	NA	NA	NA	NA	NA	NA	NA	87.9
SW-4 (5')	19-May-06	5	In Situ	320	NA	NA	NA	NA	NA	NA	NA	NA	229
SW-5 (3')	19-May-06	3	In Situ	360	NA	NA	NA	NA	NA	NA	NA	NA	157
SW-6 (5')	19-May-06	5	In Situ	400	NA	NA	NA	NA	NA	NA	NA	NA	124
SW-7 (3')	19-May-06	ę	In Situ	500	NA	NA	NA	NA	NA	NA	NA	NA	114
SW-8 (3')	19-May-06	3	In Situ	480	NA	NA	NA	NA	NA	NA	NA	NA	402
NMOCD Remedial Thresholds	al Thresholds				10,000				50,000			5,000	250 <sup>A</sup>
Doldad values and in accord of the NMOCD Doundiation Thursholds	Core of the NMOC	TD Remediat	ion Threshold										

Bolded values are in excess of the NMOCD Remediation Thresholds

NA : Not Analyzed <sup>A</sup> Chloride residuals may not be capable of impacting local groundwater above the NMWQCC groundwater standards of 250.

# ATTACHMENT C Laboratory Analytical Results and Chain-of-Custody Forms

2



## Analytical Report

### **Prepared for:**

Iain Olness Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Location: None Given

Lab Order Number: 5F22014

Report Date: 06/28/05

Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number:	190020	Reported:
Eunice NM, 88234	Project Manager:	Iain Olness	06/28/05 10:42

### ANALYTICAL REPORT FOR SAMPLES

1

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 (6")	5F22014-01	Soil	06/21/05 09:13	06/22/05 15:00
SB-2 (3')	5F22014-02	Soil	06/21/05 10:32	06/22/05 15:00
SB-3 (2')	5F22014-03	Soil	06/21/05 11:12	06/22/05 15:00
SB-4 (6")	5F22014-04	Soil	06/21/05 11:20	06/22/05 15:00
SB-4 (5')	5F22014-05	Soil	06/21/05 12:57	06/22/05 15:00
SB-5 (2')	5F22014-06	Soil	06/21/05 13:35	06/22/05 15:00
SB-6 (5')	5F22014-07	Soil	06/21/05 14:43	06/22/05 15:00
SB-7 (6")	5F22014-08	Soil	06/21/05 15:15	06/22/05 15:00
SB-8 (2')	5F22014-09	Soil	06/21/05 15:54	06/22/05 15:00
SB-9 (6")	5F22014-10	Soil	06/21/05 16:20	06/22/05 15:00
SB-9 (2')	5F22014-11	Soil	06/21/05 16:34	06/22/05 15:00
SB-10 (2')	5F22014-12	Soil	06/21/05 17:00	06/22/05 15:00
SB-11 (4')	5F22014-13	Soil	06/21/05 18:30	06/22/05 15:00

Environmental Plus, Incorporated	Project: Exxon Mobil/ Bridges State 120 Ba	ttery Fax: 505-394-2601
P.O. Box 1558	Project Number: 190020	Reported:
Eunice NM, 88231	Project Manager: Iain Olness	06/28/05 10:42

### Organics by GC

**Environmental Lab of Texas** 

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-1 (6'') (5F22014-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250	"	11		"	"	**	
Ethylbenzene	ND	0.0250	н	n	"	"			
Xylene (p/m)	ND	0.0250		н	"	"	"		
Xylene (o)	ND	0.0250	н	"	"	"	u	85	
Surrogate: a,a,a-Trifluorotoluene		84.4 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	80-2	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	559	10.0	"	и		11		н	
Total Hydrocarbon C6-C35	559	10.0	"	и .	"	н	н	"	
Surrogate: 1-Chlorooctane		74.0 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		80.4 %	70-1	130	"	"	"	"	
SB-2 (3') (5F22014-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Foluene	ND	0.0250	"	"	"	н	**	•	
Ethylbenzene	ND	0.0250	"	н	"	u	"	"	
Xylene (p/m)	ND	0.0250	н	м	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"		
Surrogate: a,a,a-Trifluorotoluene		85.3 %	80	120	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		86.3 %	80	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	366	10.0		"		"	"		
Total Hydrocarbon C6-C35	366	10.0	и	"	"	"	. "		
Surrogate: 1-Chlorooctane		74.8 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.0 %	70	130	"	"	"	"	
SB-3 (2') (5F22014-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Foluene	ND	0.0250		н		н	"		
Ethylbenzene	ND	0.0250	"	Ð	н		"		
Xylene (p/m)	ND	0.0250		н	"	"	"		
Xylene (o)	ND	0.0250	11	"	н	0	"	11	
Surrogate: a,a,a-Trifluorotoluene		83.6 %	80	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.8 %	80	120	"	"	п	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	н		"	"	н	
Total Hydrocarbon C6-C35	ND	10.0	"		"		"	11	

Environmental Lab of Texas

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The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety,

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Environmental Plus, Incorporated			Project: Exx	on Mobil/	Bridges Stat	te 120 Battery		Fax: 505-3	94-2601
P.O. Box 1558			umber: 190		-	,		Repor	ted:
Eunice NM, 88231			anager: Iain					06/28/05	10:42
		Oı	rganics by	y GC					_
		Environ	mental La	ab of Te	exas				
		Reporting				, <u></u>			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 (2') (5F22014-03) Soil								· · · · · · · · · · · · · · · · · · ·	
Surrogate: 1-Chlorooctane		78.8 %	70-1	30	EF52303	06/23/05	06/24/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		82.2 %	70-1	30	"	"	"	"	
SB-4 (6'') (5F22014-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250	11	**	"	"	"	n	
Ethylbenzene	ND	0.0250			"	"	**	"	
Xylene (p/m)	0.0417	0.0250	"	"		н		"	
Xylene (o)	ND	0.0250	н	н	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	·	81.5 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.2 %	80-1	20	"		"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"		**		"	"	
Total Hydrocarbon C6-C35	ND	10.0	"		"		н	n	
Surrogate: 1-Chlorooctane		73.8 %	70-1	30	"	n	"	11	
Surrogate: 1-Chlorooctadecane		77.2 %	70-1	30	"	"	"	"	
SB-4 (5') (5F22014-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250		"	"	"	"	н	
Ethylbenzene	ND	0.0250	н	"			и	"	
Xylene (p/m)	ND	0.0250		"	н	4	и	"	
Xylene (0)	ND	0.0250	"	"	**	"	11	0	
Surrogate: a,a,a-Trifluorotoluene		86.2 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"		**	u	
Total Hydrocarbon C6-C35	ND	10.0	"		"	ч	u	"	
Surrogate: 1-Chlorooctane		82.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		104 %	70-1	30	"	"	"	"	

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Project:Exxon Mobil/ Bridges State 120 BatteryProject Number:190020Project Manager:Iain Olness

Fax: 505-394-2601

**Reported:** 06/28/05 10:42

### Organics by GC

**Environmental Lab of Texas** 

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5 (2') (5F22014-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	0.0437	0.0250	"		0	11	"	"	
Ethylbenzene	ND	0.0250	н		н	и	"	"	
Xylene (p/m)	0.119	0.0250	11	н	"	н	и	**	
Xylene (0)	J [0.0233]	0.0250	11	н		14	11		
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-1	120	n	"	"	"	
Surrogate: 4-Bromofluorobenzene		<b>9</b> 7.0 %	80-1	120	"	<i>it</i>	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	и			
Total Hydrocarbon C6-C35	ND	10.0	17	н	и	ų	"	n	
Surrogate: 1-Chlorooctane		77.8 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.0 %	70-1	130	n	. "	"	"	
SB-6 (5') (5F22014-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	0.0641	0.0250	"	"	"	11	"		
Ethylbenzene	J [0.0146]	0.0250	"	"	"	**	ų	"	
Xylene (p/m)	0.305	0.0250	11	н	"	"	и	H	
Xylene (0)	0.0846 ·	0.0250	**	- 11	"	11	"	u	
Surrogate: a,a,a-Trifluorotoluene		91.1 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0		"		и	и	11	
Total Hydrocarbon C6-C35	ND	10.0	н	"		u	"	11	
Surrogate: 1-Chlorooctane		75.4 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.0 %	70-1	130	"	"	"	"	
SB-7 (6'') (5F22014-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	0.0463	0.0250	и	"		"	н	**	
Ethylbenzene	J [0.0165]	0.0250	н	"	"	"		"	
Xylene (p/m)	0.226	0.0250	н	"	"	"	н	••	
Xylene (o)	0.0627	0.0250	н	"	"		11	"	
Surrogate: a,a,a-Trifluorotoluene		91.5 %	80-1		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	J [6.72]	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	·
Diesel Range Organics >C12-C35	299	10.0	u	"	"	"	"	**	
Total Hydrocarbon C6-C35	299	10.0	"	"		ч	"	11	

Environmental Lab of Texas

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Page 4 of 14

Environmental Plus, Incorporated			2		Bridges Sta	te 120 Battery	,	Fax: 505-2	94-2601
P.O. Box 1558			umber: 190					Repo	
Eunice NM, 88231		Project M	anager: Iain	Olness				06/28/05	5 10:42
		Oı	ganics b	y GC					
		Environ	mental L	ab of Te	exas				
Analyte	Result	Reporting Limit	Units	D'1	D / 1	<b>D</b> 1			N .
SB-7 (6'') (5F22014-08) Soil	Nesun	Linit		Dilution	Batch	Prepared	Analyzed	Method	Notes
5B-7 (0°) (5F22014-08) Sull									
Surrogate: 1-Chlorooctane		71.4 %	70-1	30	EF52303	06/23/05	06/24/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		79.8 %	70-1	30	"	"	ņ	"	
SB-8 (2') (5F22014-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250		"		"	н	"	
Ethylbenzene	ND	0.0250	"	"	"	"		"	
Xylene (p/m)	ND	0.0250	"	"		"	**	"	
Xylene (o)	ND	0.0250	"	"	"	и		"	
Surrogate: a,a,a-Trifluorotoluene		85.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.4 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	109	10.0	**	н	и	н	"	"	
Total Hydrocarbon C6-C35	109	10.0	"		u	"	"	**	
Surrogate: 1-Chlorooctane		71.8 %	70-1	30	"	н	n	"	
Surrogate: 1-Chlorooctadecane		79.0 %	70-1	30	"	"	"	"	
SB-9 (6'') (5F22014-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250	"	11	н		"	**	
Ethylbenzene	ND	0.0250	"	**	"	н	11	н	
Xylene (p/m)	ND	0.0250	. "	11		11	*1		
Xylene (o)	ND	0.0250	**	"	n	и	11	м	
Surrogate: a,a,a-Trifluorotoluene		80.9 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	259	10.0	"	"	11	н	"	н	
Total Hydrocarbon C6-C35	259	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.4 %	70-1	30	"	"	"	"	

Environmental Lab of Texas

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Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Project Manager: Iain Olness

**Reported:** 06/28/05 10:42

### Organics by GC

**Environmental Lab of Texas** 

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-9 (2') (5F22014-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250	n	w		U.	"	t1	
Ethylbenzene	ND	0.0250	"	"	"	n		11	
Xylene (p/m)	ND	0.0250	"	н	н	11	н		
Xylene (o)	ND	0.0250	"	**	n	u	**	n 	
Surrogate: a,a,a-Trifluorotoluene		84.7 %	80-1	20	**	18	и	39	
Surrogate: 4-Bromofluorobenzene		97.9 %	80-1	120	"	"	n	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	237	10.0	u	**	"	11	"	"	
Total Hydrocarbon C6-C35	237	10.0	и	"	11	н	"	**	
Surrogate: 1-Chlorooctane		75.0 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		81.8 %	70-1	130	"	u.	"	"	
SB-10 (2') (5F22014-12) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/23/05	EPA 8021B	
Toluene	ND	0.0250	u	"	"	н	*	**	
Ethylbenzene	ND	0.0250	"	н	"	н	"	"	
Xylene (p/m)	0.0547	0.0250	n	u	"	"	"		
Xylene (0)	ND	0.0250	"	u	"	"	u	**	
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.5 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	J [9.19]	10.0	н	"	"	н	11	11	
Total Hydrocarbon C6-C35	ND	10.0	"	n	"	"	и	**	
Surrogate: 1-Chlorooctane		74.6 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.0 %	70	130	"	"	"	"	
SB-11 (4') (5F22014-13) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF52317	06/23/05	06/24/05	EPA 8021B	
Toluene	ND	0.0250		"	*1		11	н	
Ethylbenzene	ND	0.0250				**			
Xylene (p/m)	0.0279	0.0250	*1	R	"	u	u		
Xylene (o)	ND	0.0250	"	"	ч	"	tt	и	
Surrogate: a,a,a-Trifluorotoluene		86.5 %	80	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.0 %	80	120	"	"	"	17	
Gasoline Range Organics C6-C12	15.8	10.0	mg/kg dry	1	EF52303	06/23/05	06/24/05	EPA 8015M	
Diesel Range Organics >C12-C35	505	10.0	"	"	**	"	n	"	
Total Hydrocarbon C6-C35	521	10.0		н	"	11	0		

Environmental Lab of Texas

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Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601					
P.O. Box 1558	Project Number:		Reported:					
Eunice NM, 88231	Project Manager:		06/28/05 10:42					
Organics by GC								
Environmental Lab of Texas								
	Reporting							

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-11 (4') (5F22014-13) Soil									
Surrogate: 1-Chlorooctane		73.4 %	70-130	)	EF52303	06/23/05	06/24/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		85.6 %	70-130	)	"	n	"	"	

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Environmental Plus, Incorporated	Project	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number:	190020	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	06/28/05 10:42

### General Chemistry Parameters by EPA / Standard Methods

**Environmental Lab of Texas** 

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-1 (6'') (5F22014-01) Soil									
Chloride	518	10.0	mg/kg	20	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	16.2	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-2 (3') (5F22014-02) Soil									
Chloride	697	25.0	mg/kg	50	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	5.0	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-3 (2') (5F22014-03) Soil									
Chloride	837	10.0	mg/kg	20	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	8.2	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-4 (6'') (5F22014-04) Soil									
Chloride	4580	50.0	mg/kg	100	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	8.9	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-4 (5') (5F22014-05) Soil									
Chloride	133	5.00	mg/kg	10	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	11.6	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-5 (2') (5F22014-06) Soil									
Chloride	583	10.0	mg/kg	20	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	7.1	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-6 (5') (5F22014-07) Soil									
Chloride	158	5.00	mg/kg	10	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	6.1	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-7 (6'') (5F22014-08) Soil									
Chloride	642	10.0	mg/kg	20	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	11.1	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	

Environmental Lab of Texas

### Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Project Manager: Iain Olness

**Reported:** 06/28/05 10:42

### General Chemistry Parameters by EPA / Standard Methods

### **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-8 (2') (5F22014-09) Soil									
Chloride	557	10.0	mg/kg	20	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	4.3	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-9 (6'') (5F22014-10) Soil									
Chloride	1600	25.0	mg/kg	50	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	19.3	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-9 (2') (5F22014-11) Soil									
Chloride	360	5.00	mg/kg	10	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	3.6	0.1	%	I	EF52307	06/22/05	06/23/05	% calculation	
SB-10 (2') (5F22014-12) Soil					_				
Chloride	1090	20.0	mg/kg	40	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	8.0	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	
SB-11 (4') (5F22014-13) Soil									
Chloride	1100	20.0	mg/kg	40	EF52705	06/24/05	06/24/05	EPA 300.0	
% Moisture	6.6	0.1	%	1	EF52307	06/22/05	06/23/05	% calculation	

Environmental Lab of Texas

Environmental Plus, Incorporated
P.O. Box 1558
Eunice NM, 88231

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Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Project Manager: Iain Olness

### **Reported:** 06/28/05 10:42

### **Organics by GC - Quality Control**

**Environmental Lab of Texas** 

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF52303 - Solvent Extraction (GC	)									
Blank (EF52303-BLK1)				Prepared &	Analyzed	: 06/23/05				
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	н							
Total Hydrocarbon C6-C35	ND	10.0	*1							
Surrogate: 1-Chlorooctane	40.5		mg/kg	50.0		81.0	70-130			
Surrogate: 1-Chlorooctadecane	52.6		"	50.0		105	70-130			
LCS (EF52303-BS1)				Prepared &	Analyzed	: 06/23/05				
Gasoline Range Organics C6-C12	401	10.0	mg/kg wct	500		80.2	75-125			
Diesel Range Organics >C12-C35	475	10.0	н	500		95.0	75-125			
Total Hydrocarbon C6-C35	877	10.0	4	1000		87.7	75-125			
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	51.6		"	50.0		103	70-130			
Calibration Check (EF52303-CCV1)				Prepared: (	)6/23/05 A	nalyzed: 06	/24/05			
Gasoline Range Organics C6-C12	453		mg/kg	500		90.6	80-120			
Diesel Range Organics >C12-C35	528		н	500		106	80-120			
Total Hydrocarbon C6-C35	981		"	1000		98.1	80-120			
Surrogate: 1-Chlorooctane	63.0		"	50.0		126	70-130			
Surrogate: 1-Chlorooctadecane	56.5		"	50.0		113	70-130			
Matrix Spike (EF52303-MS1)	Sou	rce: 5F22014	-05	Prepared: (	)6/23/05 A	nalyzed: 06	/24/05			
Gasoline Range Organics C6-C12	485	10.0	mg/kg dry	566	ND	85.7	75-125			
Diesel Range Organics >C12-C35	595	10.0	н	566	ND	105	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1130	ND	95.6	75-125			
Surrogate: 1-Chlorooctane	46.3		mg/kg	50.0		92.6	70-130			
Surrogate: 1-Chlorooctadecane	44.1		"	50.0		88.2	70-130			
Matrix Spike Dup (EF52303-MSD1)	Sou	rce: 5F22014	-05	Prepared: (	)6/23/05 A	nalyzed: 06	/24/05			
Gasoline Range Organics C6-C12	478	10.0	mg/kg dry	566	ND	84.5	75-125	1.45	20	
Diesel Range Organics >C12-C35	571	10.0	11	566	ND	101	75-125	4.12	20	
Total Hydrocarbon C6-C35	1050	10.0	"	1130	ND	92.9	75-125	2.82	20	
Surrogate: 1-Chlorooctane	45.4		mg/kg	50.0		90.8	70-130			
Surrogate: 1-Chlorooctadecane	43.4		"	50.0		86.8	70-130			

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Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Project Manager: Iain Olness Fax: 505-394-2601

Reported: 06/28/05 10:42

### **Organics by GC - Quality Control**

**Environmental Lab of Texas** 

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF52317 - EPA 5030C (GC)										
Blank (EF52317-BLK1)				Prepared &	Analyzed:	06/23/05				
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	*							
Ethylbenzene	ND	0.0250	4							
Xylene (p/m)	ND	0.0250	17							
Xylene (0)	ND	0.0250	н							
Surrogate: a,a,a-Trifluorotoluene	87.4		ug/kg	100		87.4	80-120			
Surrogate: 4-Bromofluorobenzene	95.6		"	100		95.6	80-120			
LCS (EF52317-BS1)				Prepared &	Analyzed:	06/23/05				
Benzene	86.5		ug/kg	100		86.5	80-120			
Toluene	93.7		"	100		<b>93</b> .7	80-120			
Ethylbenzene	<b>92</b> .1		'n	100		92.1	80-120			
Xylene (p/m)	204		11	200		102	80-120			
Xylene (0)	92.2		"	100		92.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	106		"	100		106	80-120			
Surrogate: 4-Bromofluorobenzene	120		"	100		120	80-120			
Calibration Check (EF52317-CCV1)				Prepared &	Analyzed:	06/23/05				
Benzene	84.9		ug/kg	100		84.9	80-120			
Toluene	90.6		н	100		90.6	80-120			
Ethylbenzene	87.3		**	100		87.3	80-120			
Xylene (p/m)	187		н	200		93.5	80-120			
Xylenc (o)	84.9		11	100		84.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	96.4		"	100		96.4	80-120			
Surrogate: 4-Bromofluorobenzene	116		"	100		116	80-120			
Matrix Spike (EF52317-MS1)	Sou	rce: 5F22014	-03	Prepared: (	)6/23/05 A	nalyzed: 06	/24/05			
Benzene	97.9		ug/kg	100	ND	97.9	80-120			
Toluene	92.7		н	100	ND	92.7	80-120			
Ethylbenzene	80.8		"	100	ND	80.8	80-120			
Xylene (p/m)	172		"	200	ND	86.0	80-120			
Xylene (0)	84.0			100	ND	84.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	100		"	100		100	80-120			
Surrogate: 4-Bromofluorobenzene	108		"	100		108	80-120			

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Surrogate: a,a,a-Trifluorotoluene

Surrogate: 4-Bromofluorobenzene

Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Fax: 505-394-2601

**Reported:** 06/28/05 10:42

### **Organics by GC - Quality Control**

Project Manager: lain Olness

**Environmental Lab of Texas** 

Analyte	Result	Reporting Limit Un		Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF52317 - EPA 5030C (GC)										
Matrix Spike Dup (EF52317-MSD1)	Sour	ce: 5F22014-03	Pre	pared: 0	6/23/05 Ai	nalyzed: 06	/24/05			
Benzene	97.5	ug/	'ng	100	ND	97.5	80-120	0.409	20	
Toluene	90.4	•	1	100	ND	90.4	80-120	2.51	20	
Ethylbenzene	80.2		,	100	ND	80.2	80-120	0.745	20	
Xylene (p/m)	169	,	,	200	ND	84.5	80-120	1.76	20	
Xylene (o)	82.5		,	100	ND	82.5	80-120	1.80	20	

100

100

102

106

80-120

80-120

102

106

Environmental Lab of Texas

•	Environmental Plus, Incorporated	Project: Exxon Mobil/ Bridg	ges State 120 Battery Fax: 505-394-2601
	P.O. Box 1558	Project Number: 190020	Reported:
	Eunice NM, 88231	Project Manager: Iain Olness	06/28/05 10:42

### General Chemistry Parameters by EPA / Standard Methods - Quality Control

### **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF52307 - General Preparation (Prep)										
Blank (EF52307-BLK1)				Prepared: (	06/22/05 A	nalyzed: 06	/23/05			
% Moisture	ND	0.1	%							
Duplicate (EF52307-DUP1)	Sou	rce: 5F21019-	01	Prepared: (	)6/22/05 A					
% Moisture	0.8	0.1	%		0.9			11.8	20	
Batch EF52705 - Water Extraction			<u> </u>							
Blank (EF52705-BLK1)				Prepared &	Analyzed:	06/24/05				
Chloride	ND	0.500	mg/kg							
LCS (EF52705-BS1)				Prepared &	Analyzed:	06/24/05				
Chloride	+ 11.3		mg/L	10.0		113	80-120			
Calibration Check (EF52705-CCV1)				Prepared &	Analyzed:	06/24/05				
Chloride	11.1		mg/L	10.0		111	80-120			
Duplicate (EF52705-DUP1)	Sou	rce: 5F22011-	01	Prepared &	Analyzed:	06/24/05				
Chloride	24.4	5.00	mg/kg		28.9			16.9	20	

Environmental Lab of Texas

**Reported:** 06/28/05 10:42

### **Notes and Definitions**

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:

Raland K touts

Date: 6/28/2005

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

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Page 1 of 2

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Page 2 of 2

# Environmental Lab of Texas

ý	Environmental Lab of Texas Variance / Corrective Action Report – Sample Log-In
Client	Environmental This
Date/Ti	$me: \underline{lepalos 3:00}$
Order #	= 5F22017
Initials.	Cle

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	2.0 C
Shipping container/cooler in good condition?	(3	No	and the second
Custody Seals intact on shipping container/cooler?	Yes	No	Alct present
Custody Seals intact on sample bottles?	Yes	No	Nct present
Chain of custody present?	YES	No	
Sample Instructions complete on Chain of Custody?	Ves	No	
Chain of Custody signed when relinquished and received?	YES	No	
Chain of custody agrees with sample label(s)	Ves	No	
Container labels legible and intact?	(ES)	Na	
Sample Matrix and properties same as on chain of custody?	1 Yes	i No	
Samples in procer container/bottle?	(39)	No	ĺ
Samples procerly preserved?	1/95	No	
Sample bottles intact?	195	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers occumented on Chain of Custody?	13	No	
Sufficient sample amount for indicated test?	×36)	No	}
Ail samcles received within sufficient hold time?	Keg	No	
VOC samples have zero headspace?	YES	No	Not Applicable

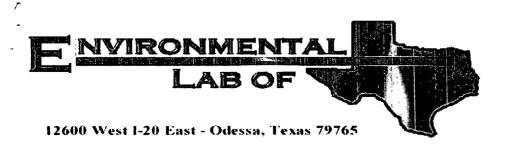
Other observations:

### Variance Documentation:

Contact Person: Regarding:	Date/Time:	Contacted by:	
			datus pringe di pripro
Corrective Action Taken:			

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## Analytical Report

### **Prepared for:**

Iain Olness Environmental Plus, Incorporated P.O. Box 1558 Eunice, NM 88231

Project: Exxon Mobil/ Bridges State 120 Battery Project Number: 190020 Location: UL-B, Sec. 14, T 17 S, R 34 E

Lab Order Number: 6E19010

Report Date: 05/30/06

Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number:	190020	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16

# ANALYTICAL REPORT FOR SAMPLES

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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 5'	6E19010-01	Soil	05/18/06 15:00	05/19/06 12:35
BH-2 5'	6E19010-02	Soil	05/18/06 15:05	05/19/06 12:35
BH-3 5'	6E19010-03	Soil	05/18/06 15:07	05/19/06 12:35
BH-4 5'	6E19010-04	Soil	05/18/06 15:09	05/19/06 12:35
BH-5 5'	6E19010-05	Soil	05/18/06 15:15	05/19/06 12:35
SW-1 3'	6E19010-06	Soil	05/18/06 15:30	05/19/06 12:35
SW-2 3'	6E19010-07	Soil	05/18/06 15:37	05/19/06 12:35
SW-3 3'	6E19010-08	Soil	05/18/06 15:40	05/19/06 12:35
SW-4 5'	6E19010-09	Soil	05/18/06 15:48	05/19/06 12:35
SW-6 5'	6E19010-10	Soil	05/18/06 15:57	05/19/06 12:35
SW-7 3'	6E19010-11	Soil	05/18/06 16:15	05/19/06 12:35
SW-8 3'	6E19010-12	Soil	05/18/06 16:21	05/19/06 12:35
SW-5 3'	6E19010-13	Soil	05/18/06 15:53	05/19/06 12:35

Page 1 of 6

Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number:	190020	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16

# General Chemistry Parameters by EPA / Standard Methods

### **Environmental Lab of Texas**

		Reporting							<u>.</u>
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 5' (6E19010-01) Soil									
Chloride	153	10.0	mg/kg	20	EE62412	05/25/06	05/25/06	EPA 300.0	
BH-2 5' (6E19010-02) Soil									
Chloride	147	5.00	mg/kg	10	EE62412	05/25/06	05/25/06	EPA 300.0	
BH-3 5' (6E19010-03) Soil									
Chloride	209	10.0	mg/kg	20	EE62412	05/25/06	05/25/06	EPA 300.0	
BH-4 5' (6E19010-04) Soil									
Chloride	833	10.0	mg/kg	20	EE62412	05/25/06	05/25/06	EPA 300.0	
BH-5 5' (6E19010-05) Soil									
Chloride	124	5.00	mg/kg	10	EE62412	05/25/06	05/25/06	EPA 300.0	
SW-1 3' (6E19010-06) Soil									
Chloride	166	10.0	mg/kg	20	EE62412	05/25/06	05/25/06	EPA 300.0	
SW-2 3' (6E19010-07) Soil								_	
Chloride	87.6	5.00	mg/kg	10	EE62503	05/25/06	05/25/06	EPA 300.0	
SW-3 3' (6E19010-08) Soil									
Chloride	87.9	5.00	mg/kg	10	EE62503	05/25/06	05/25/06	EPA 300.0	
SW-4 5' (6E19010-09) Soil									
Chloride	229	5.00	mg/kg	10	EE62503	05/25/06	05/25/06	EPA 300.0	
SW-6 5' (6E19010-10) Soil									
Chloride	124	5.00	mg/kg	10	EE62503	05/25/06	05/25/06	EPA 300.0	
SW-7 3' (6E19010-11) Soil									
Chloride	114	5.00	mg/kg	10	EE62503	05/25/06	05/25/06	EPA 300.0	

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•	Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
	P.O. Box 1558	Project Number:	190020	Reported:
	Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16

# General Chemistry Parameters by EPA / Standard Methods

# **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-8 3' (6E19010-12) Soil									
Chloride	402	10.0	mg/kg	20	EE62503	05/25/06	05/25/06	EPA 300.0	
SW-5 3' (6E19010-13) Soil					_				
Chloride	157	10.0	mg/kg	20	EE62503	05/25/06	05/25/06	EPA 300.0	

Environmental Lab of Texas

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	Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
	P.O. Box 1558	Project Number:	190020	Reported:
1	Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16

# General Chemistry Parameters by EPA / Standard Methods - Quality Control

# **Environmental Lab of Texas**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EE62412 - Water Extraction				. <u></u>						
Blank (EE62412-BLK1)				Prepared &	Analyzed:	05/25/06				
Chloride	ND	0.500	mg/kg							
LCS (EE62412-BS1)				Prepared &	Analyzed:	05/24/06				
Chloride	10.4	0.500	mg/kg	10.0		104	80-120			
Calibration Check (EE62412-CCV1)				Prepared &	Analyzed:	05/24/06				
Chloride	10.3		mg/L	10.0		103	80-120			
Duplicate (EE62412-DUP1)	Sour	ce: 6E19003-	-46	Prepared &	Analyzed:	05/24/06				
Chloride	980	25.0	mg/kg		972			0.820	20	
Duplicate (EE62412-DUP2)	Sour	ce: 6E19010-	-01	Prepared &	Analyzed:	05/24/06				
Chloride	145	10.0	mg/kg		153			5.37	20	
Matrix Spike (EE62412-MS1)	Sour	ce: 6E19003-	-46	Prepared & Analyzed: 05/24/06						
Chloride	1560	25.0	mg/kg	500	972	118	80-120			
Matrix Spike (EE62412-MS2)	Sour	ce: 6E19010-	-01	Prepared &	Analyzed:	05/24/06				
Chloride	337	10.0	mg/kg	200	153	92.0	80-120			
Batch EE62503 - Water Extraction										
Blank (EE62503-BLK1)				Prepared &	Analyzed:	05/25/06				
Chloride	ND	0.500	mg/kg							
LCS (EE62503-BS1)				Prepared &	Analyzed:	05/25/06				
Chloride	10.7	0.500	mg/kg	10.0		107	80-120			

Environmental Lab of Texas

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Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
P.O. Box 1558	Project Number:	190020	Reported:
Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16

# General Chemistry Parameters by EPA / Standard Methods - Quality Control

# **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62503 - Water Extraction		. <u>,</u>								
Calibration Check (EE62503-CCV1)				Prepared &	Analyzed:	05/25/06				
Chloride	9.84		mg/L	10.0		98.4	80-120			
Duplicate (EE62503+DUP1)	Sour	ce: 6E19010-	07	Prepared & Analyzed: 05/25/06						
Chloride	87.0	5.00	mg/kg		87.6			0.687	20	
Duplicate (EE62503-DUP2)	Sour	ce: 6E22004-	02	Prepared &	Analyzed:	05/25/06				
Chloride	11300	500	mg/kg		11400			0.881	20	
Matrix Spike (EE62503-MS1)	Sour	ce: 6E19010-	07	Prepared &	Analyzed:	05/25/06				
Chloride	188	5.00	mg/kg	100	87.6	100	80-120			
Matrix Spike (EE62503-MS2)	Sour	ce: 6E22004-	02	Prepared &	Analyzed:	05/25/06				
Chloride	22100	500	mg/kg	10000	11400	107	80-120			

Environmental Lab of Texas

	Environmental Plus, Incorporated	Project:	Exxon Mobil/ Bridges State 120 Battery	Fax: 505-394-2601
	P.O. Box 1558	Project Number:	190020	Reported:
	Eunice NM, 88231	Project Manager:	Iain Olness	05/30/06 09:16
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#### Notes and Definitions

DET	Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported

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- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:

Raland K Junes

5/30/2006

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer Jeanne Mc Murrey, Inorg. Tech Director LaTasha Cornish, Chemist Sandra Sanchez, Lab Tech.

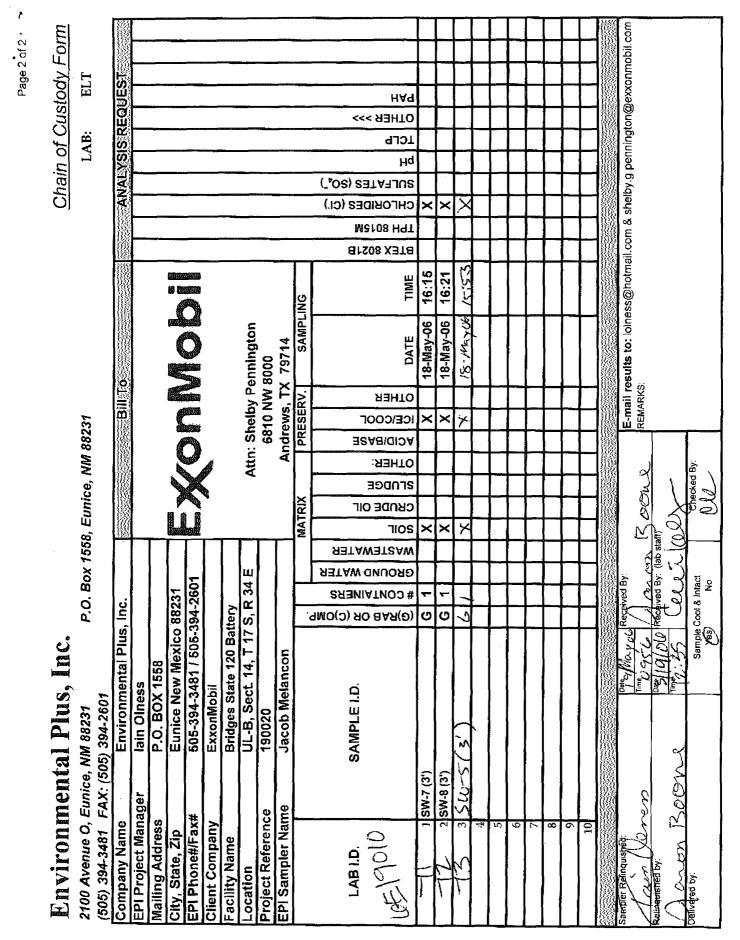
Date:

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

Control         <																	113		2	2		Ľ	
0. Eunice, MM 88231     P.O. Box 1553, Eunice, MM 88231       1 FAX: (505) 394-2601     Environmental Plus, Inc.       Ine     Environmental Plus, Inc.       anager     Pain Olness       sis     P.O. BOX 1568       as     505-394-2601       ax     505-394-2601       ax     505-394-2601       ax     505-394-2601       by     ExronMobil       ax     505-394-2601       by     ExronMobil       by     ExronMobil       by     ExronMobil       by     ExronMobil       by     ExronMobil       by     ExronMobil       by     UL-B, Sect. 14, T 17 S, R 34 E       by     MATRIX       by     MATRIX       by     MATRIX       by     MATRIX       by     MATRIX       by     Enclose State 120 Battery       by     MATRIX       color     MATRIX       by     MATRIX </td <td></td> <td></td> <td>LUS, LIC.</td> <td>(</td> <td></td> <td>-</td> <td>1</td> <td></td> <td>;</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td>			LUS, LIC.	(		-	1		;	1										2			
Пе         Environmental Plus, Inc.           anager         lain Olness           ss         P.O. BOX 1558           ss         F.O. BOX 1558           ss         F.O. BOX 1558           ss         Eunice New Mexico 88231           bx#         505.394.34811 505.394.2601           ny         Exxontrobia           bx#         505.394.3481 1 505.394.2601           ny         Exxontrobia           bx#         505.394.3481 1 505.394.2601           ny         Excontrobia           bx#         Excontrobia           bx#         Excontrobia           bx#         Excontrobia           bx#         Excontrobia           bx#         UL-B, Sect. 14, T 17 S, R 34 E           colo 1         NATRIX           Andr         UL-B, Sect. 14, T 17 S, R 34 E           colo 1         NATRIX           Andr         UL-B, Sect. 14, T 17 S, R 34 E           finne         Jacob Melancon           Andr         SAMPLE I.D.           SAMPLE         NATRIX           Andr         Sout           SAMPLE         Andr           SAMPLE         Andr           Satue         Sout <td>ivenue U, 194-3481</td> <td>Eunice, NW 882 FAX: (505) 394-</td> <td>2501 2601</td> <td><u>م</u> م</td> <td></td> <td>X 15</td> <td>58, F</td> <td>nnic</td> <td>&lt; Se</td> <td>8 111</td> <td>823</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ľ</td> <td>AB:</td> <td></td> <td>Η</td> <td></td> <td></td>	ivenue U, 194-3481	Eunice, NW 882 FAX: (505) 394-	2501 2601	<u>م</u> م		X 15	58, F	nnic	< Se	8 111	823	-						Ľ	AB:		Η		
anager         lain Olness           sis         P.O. BOX 1568           sis         F.O. BOX 1568           six#         505-394-3481 / 505-394-2601           ax#         505-394-3481 / 505-394-2601           my         ExxontMobil           ax#         505-394-3481 / 505-394-2601           my         ExxontMobil           Bridges State 120 Battery         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           Jacob Melancon         MATRIX           Andre         MATRIX           Jacob Melancon         MATRIX           Attriation         MATRIX           Jacob Melancon         MATRIX           SAMPLE         I.1 (5)         MATRIX           Samuel (5)         G         G         1         X           SAMPLE         I.1 (5)         G         G         1         X           Samuel (6)         G	thy Name		ronmental Plus,	2								811	10				ANA	I XSI	IS R	EQL	<b>ES</b>		
Ss         P.O. BOX 1558           ax#         505-394-34811 505-394-2601         Eunice New Mexico 88231           ax#         505-394-34811 505-394-2601         Excontrobil           ny         Excontrobil         Markin         Attn: Si           ny         Excontrobil         Markin         Attn: Si           ny         Excontrobil         Markin         Attn: Si           no         Bridges State 120 Battery         Markin         Attn: Si           ull-B, Sect. 14, T 17 S, R 34 E         Attn: Si         Attn: Si           ull-B, Sect. 14, T 17 S, R 34 E         Attn: Si         Attn: Si           ull-B, Sect. 14, T 17 S, R 34 E         Attn: Si         Attn: Si           BH-1 (5)         SAMPLE I.D.         MATRIX         Attn: Si           SAMPLE         Jacob Melancon         MATRIX         Attn: Si           SAMPLE         Jacob Melancon         MATRIX         Attn: Si           Sample         Sample         Sample         Attn: Si           Sample         Sample         Markin         Attn: Si           Sample         Sample         Attrix         Attrix           Sample         Sample         Attrix         Attrix           Sample         Sample<	oject Man		Olness												┢							<u> </u>	
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ax#         505-394-3481 / 505-394-2601         Attr: State           ny         Exxontitobil         Attr: State           ny         Excontitobil         Attr: State           UL-B, Sect. 14, T 17 S, R 34 E         Attr: State           UL-B, Sect. 14, T 17 S, R 34 E         Attr: State           Ince         190020         Attr: State           Jacob Melancon         Attr: State         Attr: State           Andr         Andr         Andr         Andr           Andr         SAMPLE         Nw5575Warter         Attr: State           Andr         SAMPLE         Nw5575Warter         Attr: State           Andr         Sample Col         CRUDE Col         Attr: State           Andr         Sample Col & 1         X         Action State           Andr         Sample Col & 1         X         CRUDE State           Sample Col & 1         X         X         X         X           Andr         Sample Col & 1         X         X         X           Andr         Sample Col & 1         X         X         X           Andr         X         X         X         X           Sample Col & 1         X         X         X         X<	tate, Zip	Euni	ce New Mexico	882	31	Í		¢ 8 4	6		×			10 B					*	_			
NY     Excontroboli       Bridges State 120 Battery     Attn: State 120 Battery       UL-B, Sect. 14, T 17 S, R 34 E     Attn: State 120 Battery       UL-B, Sect. 14, T 17 S, R 34 E     Attn: State 120 Battery       Unce     190020       Ince     190020       Ince     17 S, R 34 E       And Rive       And Riv	one#/Fax		394-3481 / 505-3	94-2	109				X	Ø	iiii See	ainia Maria											
Bridges State 120 Battery       Bridges State 120 Battery       UL-E, Sect. 14, T 17 S, R 34 E       Attn: Sect. 14, T 17 S, R 34 E       Matters       Jacob Melancon       Jacob Melancon       AMPLE I. D.       Andrew       Andrew       Andrew       Amble       Jacob Melancon       Andrew       Andrew       Amble       Jacob Melancon       Andrew       Andrew       Amble       Amble       Jacob Melancon       Andrew       Amble       Amble       Amble       SAMPLE       Jacob Melancon       Andrew       Amble       Amb	Company	Exxol	nMobil		[		τ-	4		Â			<b>1</b> <b>1</b>			<u> </u>	······	_					
UL-B, Sect. 14, T 17 S, R 34 E         Attn: State           Unce         190020         Act 17 S, R 34 E         Attn: State           Jarne         Jacob Melancon         Andrex         PR           Jarne         Jacob Melancon         Andrex         PR           Andrex         PR         MATRX         PR           Jacob Melancon         MATRX         Andrex         PR           Andrex         SAMPLE         Andrex         PR           Jacob Melancon         MATRX         MATRX         PR           Andrex         SAMPLE         Andrex         PR           Jacob Melancon         Andrex         MATRX         PR           Andrex         SAMPLE         Andrex         PR           Attract         SAMPLE         Andrex         PR           SAMPLE         SAMPLE         Andrex         PR           SAMPLE         SAMPLE         Andrex         PR           SAMPLE         SAMPLE         Andrex         PR           SAMPLE         Solic         G         1         X           Samue         Solic         G         A         X         Y           SW23 (3)         SW24 (5)         G	/ Name	Bridg	les State 120 Batt	tery			<u> </u>																
Interesting         190020         Andread           Jacob Melancon         Jacob Melancon         Andread           Jacob Melancon         Jacob Melancon         MATRX           PR         R         MATRX           PR         SAMPLE         MATRX           PR         R         CONTRINERS           PR         R         CONTRINERS           PR         R         CRUDE           SW-3 (5)         G         1           SW-3 (5)         G         1	uo uo	B-JO	3, Sect. 14, T 17	S, R	34 E		<b>T</b>		4	ttn:	She	l vd	Penninaton									_	
Iame         Jacob Melancon         Andr           Jacob Melancon         Andr         Andr           Image: SAMPLE I.D.         SAMPLE I.D.         MATRX           SAMPLE I.D.         G G 1         * X × S SOIL           Sample GE         MATRX         * X × S SOIL           Sample GE         MATRX         * X × S SOIL           Sample GE         MATRX         * X × S SOIL           G Saw-1(3)         G G 1         * X × S SOIL           Sample GE         MATRX         * X × S SOIL           G Saw-1(3)         G G 1         * X × S SOIL           Sample GE         * X × S SOIL         * X × S SOIL           Sample GE         * X × S SOIL         * X × S SOIL           Sample Ci         G G 1         * X × S SOIL           Sample GE         * X × S SOIL         * X × S SOIL           Sample Gi         * X × S SOIL         * X × S SOIL           Sample Gi         * X × S SOIL         * X × S SOIL           Sample GE         * X × S SOIL         * X × S SOIL	t Referenc		20				τ-		•		6810	NN	V 8000				<del>مەر</del> بچە تە						
MATRIX     MATRIX       SAMPLE     .       SAMPLE     . <td>ampler Nar</td> <td></td> <td>b Melancon</td> <td></td> <td></td> <td>l</td> <td>1</td> <td></td> <td></td> <td>Ane</td> <td>drew</td> <td>vs, T</td> <td></td>	ampler Nar		b Melancon			l	1			Ane	drew	vs, T											
SAMPLE     I.I.       1     1					F	ļ	A A	TRIX		F	ZRES	ERV		UC INC	_	-			_	_	,	_	
SAMPLE I.D.     CID/BRSE       1     1     1     1       1     1     1     1     1       2     1     1     1     1     1       3     1     1     1     1     1     1       3     1     1     1     1     1     1       4     1     1     1     1     1     1       5     1     1     1     1     1     1       5     1     1     1     1     1     1       5     1     1     1     1     1     1       7     1     1     1     1     1     1       7     1     1     1     1     1     1       7     1     1     1     1     1     1       7     1     1     1     1     1     1       7     1     1     1     1     1     1       8     1     1     1     1     1     1       10     1     1     1     1     1     1       10     1     1     1     1     1       10     1 <td< td=""><td></td><td></td><td></td><td>.9MC</td><td>-</td><td>-</td><td>and the second s</td><td></td><td></td><td>╉</td><td></td><td> </td><td></td><td></td><td></td><td>۲.</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>				.9MC	-	-	and the second s			╉						۲.	-						
1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1     1       1     1     1     1     1     1     1       1     1 <td>B I.D.</td> <td>SAMPI</td> <td>LE I.D.</td> <td>) () Я</td> <td></td> <td></td> <td><b></b></td> <td>٦</td> <td></td> <td>نے حصت <u>محمد</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>&lt;</td> <td></td> <td>0,0<sup>0</sup>-0,000 0</td> <td></td>	B I.D.	SAMPI	LE I.D.	) () Я			<b></b>	٦		نے حصت <u>محمد</u>										<		0,0 <sup>0</sup> -0,000 0	
1     1     1     1     1       2     2     1     1     X     X       3     3     3     1     1     X     1       4     4     1     5     5     1     X     1       5     5     5     5     1     X     1     1       7     5     5     5     1     X     1       7     5     5     5     1     1     X       7     5     5     5     5     1     1       7     5     5     5     1     1     1       7     5     5     5     5     1     1       8     5     5     5     5     1     1       7     5     5     5     5     1     1       8     5     5     5     5     1     1       10     5     5     5     5     1     1       10     5     5     5     5     1     1       10     5     5     5     5     1     1       10     5     5     5     5     5     1	1010			0 8 A R O		والمستعار ويستغلق الهور		CRUDE OI						TIME					тсгь		HAY		
2     BH-3 (5')     G     1     X       7     3     BH-3 (5')     G     1     X       7     5     BH-4 (5')     G     1     X       7     5     BH-5 (5')     G     1     X       7     5     BH-5 (5')     G     1     X       7     5     5     1     X     1       7     5     5     1     X     1       7     5     5     1     X     1       7     5     5     1     X     1       7     5     5     1     X     1       7     5     5     1     X     1       7     5     6     1     X     1       7     5     6     1     X     1       7     5     6     1     X     1       7     5     6     1     X     1       7     5     6     1     X     1       8     5     6     1     X     1       8     10     5     6     1     X       10     5     6     1     X     1       10	L	BH-1 (5')		0	╞	-	×		T	┢	Ê	+	<u> </u>	15:00		f	÷	4-		+		$\left  - \right $	┢
3     BH-4 (5')     G     1     X     N       5     5     BH-4 (5')     G     1     X     N       5     5     BH-4 (5')     G     1     X     N       7     5     BH-3 (3')     G     1     X     N       7     5     SW-3 (3')     G     1     X     N       8     9     SW-4 (5')     G     1     X     N       10     SW-6 (5')     G     1     X     N       11     SW-6 (5')     G     1     X     N       10     SW-6 (5')     G     1     X     N       10     SW-6 (5')     G     1     X     N       11     X     N     N     N     N       11	2 2	BH-2 (5')		ს	F	$\vdash$	×				Ê		18-May-06	15:05	h	f				ſ	┢─	┡	<b>[</b>
4       BH-4 (5')       G       1       X       1         5       5       BH-5 (5')       G       1       X       1         7       5       BH-5 (5')       G       1       X       1         7       5       BH-3 (5')       G       1       X       1         7       5       BW-3 (3')       G       1       X       1         7       5       SW-3 (3')       G       1       X       1         7       5       SW-3 (3')       G       1       X       1         8       5       SW-4 (5')       G       1       X       1         10       10       SW-6 (5')       G       1       X       1         10       10       SW-6 (5')       G       1       X       1         10       10       SW-6 (5')       G       1       X       1         10       SW-6 (5')       G       1       X       1       1         10       SW-6 (5')       G       1       X       1       1       1         10       SW-6 (5')       G       1       X       1 <t< td=""><td><b>Z</b> 3</td><td>BH-3 (5')</td><td></td><td>ს</td><td>Ļ.</td><td><math>\vdash</math></td><td>×</td><td></td><td></td><td><math>\vdash</math></td><td>ŕ</td><td></td><td>18-May-06</td><td>15:07</td><td></td><td>Ĥ</td><td></td><td></td><td></td><td></td><td><math>\left  - \right </math></td><td></td><td></td></t<>	<b>Z</b> 3	BH-3 (5')		ს	Ļ.	$\vdash$	×			$\vdash$	ŕ		18-May-06	15:07		Ĥ					$\left  - \right $		
5 BH-5 (5)       6       1       X       X         7       5 BW-1 (3)       6       1       X       X         7       7 SW-2 (3)       6       1       X       X         7       5 SW-3 (3)       6       1       X       X         8       9 SW-4 (5)       6       1       X       X       X         10       9 SW-4 (5)       6       1       X       X       X       X         10       9 SW-4 (5)       6       1       X		BH-4 (5')		υ	÷	$\left  - \right $	×		$\square$	$\vdash$	Ĥ	Ĥ	18-May-06	15:09	Η	μ				$\square$	$\vdash$	$\mathbb{H}$	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $		SW-1 (3')		Ċ	÷	_	×				<u> </u>	J	18-May-06	15:30		ĥ				Η			
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ngulspeci 	10 10	SW-6 (5')		U	Ţ	$\vdash$	×				Ě		18-May-06	15:57		Ĥ				-	┢─	-	
ngulspect. March Color Proved By. March 155 Acrea By. Den 1975 Acrea By. Den 1975 Acrea By. Sampe Cool & Intect Checked By. Sampe Cool & Intect Checked By. Sampe Cool & Intect Checked By.																擨							
by: Corris Roomer 19/10/10/10/10/10/10/10/10/10/10/10/10/10/	elinquished:	60)	15 Mcurob		ied By:	5		3	Č		щщ	MARK	results to: ioine (S:	ess@hotma	il.con	& 51	elby.	g.pen	ningt	ê Lo	noxxe	idom	E CO M
Sample Cool & Intact Checked By: (es) No (1)	in a	ina	JC: Colum	Receiv	A S	jap	() start	<u></u>	12			9	n glags		Q	a							
			Sample (es)	Cool 8	Intact No		<u> </u>	de de de de de de de de de de de de de d	cked E	i i i	<b>[</b>	3	i Cabel										



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7	Environmental Lab of Texas
-	Variance / Corrective Action Report – Sample Log-In
• Client:	EPI
Date/Time:	5/19/00 12:35
Order #:	6E19010
Initials:	UK-

# Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	Gid CI
Shipping container/cooler In good condition?	(ES)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Mot presant
Custody Seals intact on sample bottles?	Yes	No	TIOI present
Chain of custody present?	200	No	
Sample Instructions complete on Chain of Custody?	1 CB	No	1
Chain of Custody signed when relinquished and received?	XAS	No	
Chain of custody agrees with sample label(s)	1	Na	
Container labels legible and intact?	865	No	
Sample Matrix and properties same as on chain of custody?	Xes	No	· · · · · · · · · · · · · · · · · · ·
Samples in proper container/bottle?	Y2s	No No	
Samples properly preserved?	265	No	
Sample bottles intact?	1/195	No	
Preservations documented on Chain of Custody?	0.95	No	1
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	125	No	
All samples received within sufficient hold time?	1956	No	
VOC samples have zero headspace?	198	No	Nct Applicable

Other observations:

 Variance Documentation:

 Contact Person: -\_\_\_\_\_ Date/Time: \_\_\_\_\_\_ Contacted by: \_\_\_\_\_\_

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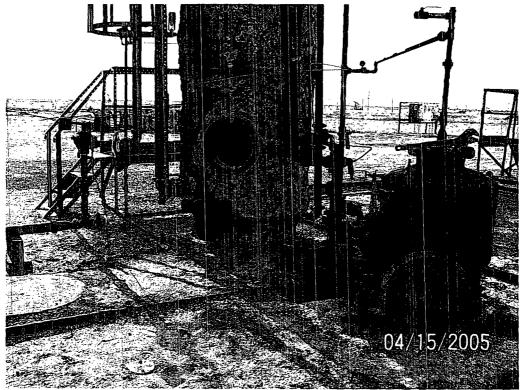
Regarding:

Corrective Action Taken:

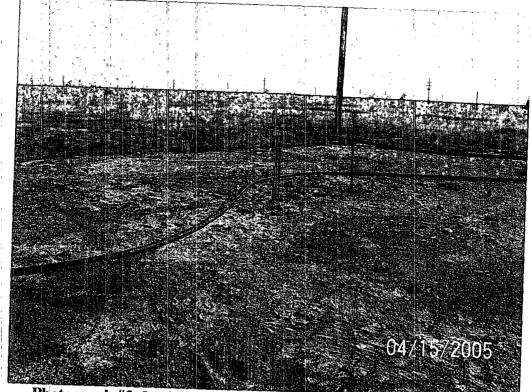
# ATTACHMENT D Photographs



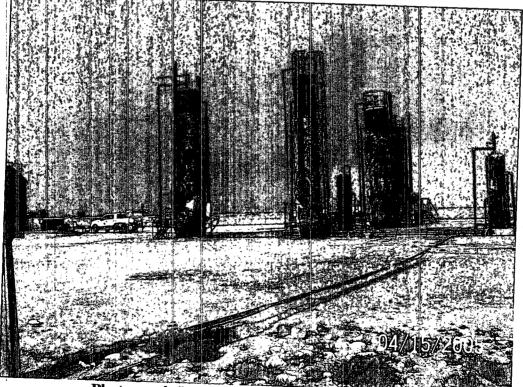
Photograph #1: Lease information sign.



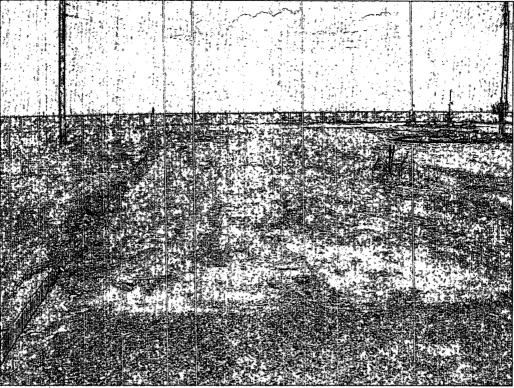
Photograph #2: Point of Release.



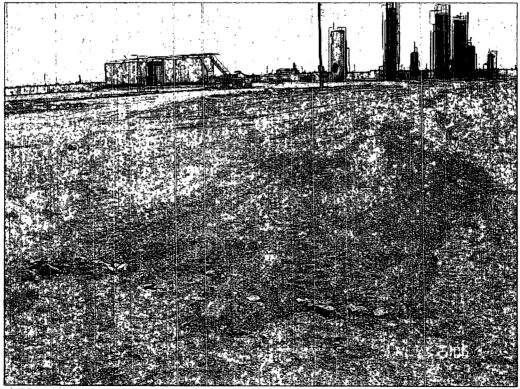
Photograph #3: Looking northerly toward pasture area. Stained caliche indicates contamination.



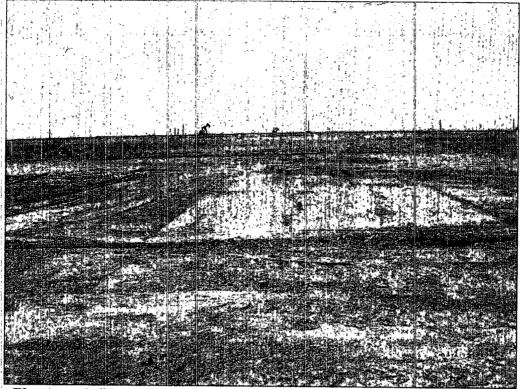
Photograph #4: Looking northerly at tank battery.



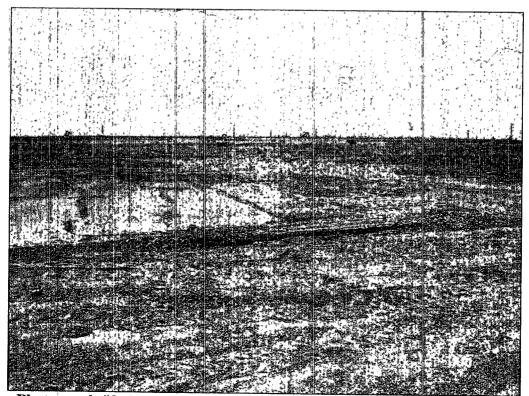
**Photograph #5:** Looking westerly across remediation area after backfilling.



Photograph #6: Looking easterly across remediation area after backfilling.



Photograph #7: Looking northerly across remediation area after backfilling.



Photograph #8: Looking northerly across remediation area after backfilling.

# ATTACHMENT E Soil Boring Logs

					Lo	og O	of Test Borings (NOTE - Page 1 of 1)
						F	Project Number: 190020
				NTAL P		NC.	Project Name: Exxon Mobil-Bridges State 120
			ENVIRONM	VED LAND F IENTAL SER <sup>1</sup> EUNICE		Γ	Location: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
- N.			50	53943481		E	Boring Number: SB-1 Surface Elevation: -
e#	<b>e</b>	) C	e	gs (	o.s		Start Date: 6-21-05 Time: 09:00
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date:_ <u>6-21-05</u> Time:_ <u>09:30</u> _
S n	ν ν	ي.ت م	ž	Å,	0		Description
						<u> </u>	6" Black Sand
SB-1 6" 09:13	Grab	Scoop	5	16.1		┝─ -	
SB- 03:	Ū	Sco	Dry	16			
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						5	
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						6	
						<b> </b>	
<b> </b>	L	L		L		L	Drilling Method: HSA 3.5" ID
							Backfill Method: Bentonite Grout
							Field Representative: GB
L		· · · · ·					

					Lo	og Of	f Test Borings (NOTE - Page 1 of 1)
		_				P	roject Number: 190020
		ENVIRO		TAL PI	LUS, IN	IC. PI	roject Name: Exxon Mobil—Bridges State 120
		Đ	NVIRONME E	NTAL SERVI UNICE -394-3481	CES	L	ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
	<u>.</u>			-384-3461		B	oring Number: SB-2 Surface Elevation: -
Sample # and Time	e e	ery ss)	are	ngs ngs	N. N	±⊋	Start Date: <u>6-21-05</u> Time: <u>09:48</u>
	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date: <u>6-21-05</u> Time: <u>10:40</u>
0 0		RC.	2	<u> </u>			Description
°0							2' Caliche
SB-2 6" 09:50	Caliche	Scoop	Dry	4.1			3' Rock
L BS	ပိ	Ň	-			┝-	
0 5			Dry	5.0		5	
SB-2 2, 10:10	Caliche	Cutting	ā	ů.		E	
32	×	ing		5		<u> </u>	
SB-2 3' 10:32	Rock	Cutting	Dry	5.5		-	_
						10	
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						<u>†</u>	_
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	<u>†</u>					+	-
						25	
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<u> </u>			, <u></u>				
	:					<u> </u>	
	<u> </u>	l	<u> </u>	<u> </u>		1	Drilling Method:
							Backfill Method: Bentonite Grout
							Field Representative: GB
L	<u> </u>					<u> </u>	

					Lo	og Of	Test Borings (NOTE - Page 1 of 1)
-						P	roject Number: 190020
				ITAL PI ED LAND FA		IC. Pr	roject Name: Exxon Mobil—Bridges State 120
			NVIRONME E	ENTAL SERVI UNICE		L	ocation: UL—B, Sec. 14, T17S, R34E—Lea County, New Mexico
· · · ·	14 <b>.</b>		505	-394-3481		Bo	oring Number: SB-3 Surface Elevation: -
e#≉ ⊒,e	e e	ery (s)	re	se (	ol.S.	5-2	Start Date: <u>6-21-05</u> Time: <u>10:50</u>
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date:_ <u>6-21-05</u> Time:_ <u>11:00</u>
0 D		80	2	CE .			Description 6" Top Soil
* •							
SB-3 6" 10:58	Scoop	Scoop	Dry	3.3			2' Caliche
8 -	, х	Ň					_
η Ν		•	<u>ک</u>	<b>F</b> .		5	· · · · · · · · · · · · · · · · · · ·
SB-3 2' 11:12	Scoop	Scoop	Dry	12.1		-	
				1			
						10	
						-	—
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				-		15	
						-	
				<u> </u>		<b> </b>	
· · · · ·						20	
						-	_
				+		<del> </del>	
						25	
						-	_
						<b>+</b>	
						-	—
							_
	<u> </u>	L	<u>-</u>	1		<u> </u>	
							Drilling Method:
							Backfill Method: Bentonite Grout
L	<u> </u>	<u> </u>					Field Representative: GB

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e ر			:			Lo	og Of	Test Borings (NOTE - Page 1 of 1)
	-				-			roject Number: 190020
			STATE	APPROV	ITAL PI	RM AND	C. Pr	roject Name: Exxon Mobil-Bridges State 120
			· E	E	INTAL SERVI IUNICE 	CES	L	ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
	<b>1</b> 0				-394-3461		В	oring Number: SB-4 Surface Elevation: -
	Sample # and Time	e e	ery s)	e .	sb(	<u>vi o</u>	5	Start Date: <u>6-21-05</u> Time: <u>11:20</u>
		Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date: <u>6-21-05</u> Time: <u>13:00</u>
	an Sa	S S	ي تي م	ž	ă_			Description
			5				<b>-</b>	6" Top Soil
	B-4 6" 11:20	ing			-		<u> -</u>	2' Caliche
	SB-4 11:2	Cutting		Dry	32.1		-	5' Caliche
	·	,					5	
	SB-4 _2' 11:48	Cutting		Dry	33.5			
				↓	м		┣-	_
	4 5 57	ing		<b>_</b>	6		-	_
	SB-4 5 12:57	Cutting	3"	Dry	8.5	8	<u> </u>	_
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								Drilling Method:
								Backfill Method: Bentonite Grout
								Field Representative: GB
						-		

Environmental PLUS, INC.         Project Number: 190020           Image: State reserved to a role and role							Lo	og (	Эf	Test Borings (NOTE - Page 1 of 1)
STATE ZEPROVIDUATION AND DESCRIPTION         Location: IL-B, Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Image: SB-5         Surface Elevation: -           Image: Sec. 14, 11/5, R34E-Lea County, New Maxico Boring Number: SB-5         Surface Elevation: -         Sur			-1.5						Pr	oject Number: 190020
Image: Section and Sectin and Section and Section and Section and Secti		للر				ITAL P	LUS, IN	C.	Pr	oject Name: Exxon Mobil-Bridges State 120
Boring Number: SB-5         Surface Elevation: -           Start Date: 6-21-05         Time: 13:00           Image: Start Date: 6-21-05         Time: 14:00           Image: Start Date: 6-21-05         Image: Start Date: 6-21-05           Image: Start Date: 6-21-05					ENVIRONME E	ENTAL SERVI JUNICE			Lc	ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
<sup>6</sup> Top Soil		\ <b>!</b>	P		505	-394-3481			Во	oring Number: SB-5 Surface Elevation: -
<sup>6</sup> Top Soil		a# a	e	2	e e	sb	0, <u>0</u>			Start Date: 6-21-05 Time:
<sup>a</sup> o g g f f g g g g g g g g g g g g g g g		d Tir	ampl Type	cove	istur	P din D din D din	S.C.	eptr feet		Finish Date: <u>6-21-05</u> Time: <u>14:00</u>
ib gg       iii gg       ii gg       i		ang	Ň	Re (jn	Ň	Re (	<u> </u>		_	
0       0					ļ			-		6" Top Soil
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Drilling Method: Backfill Method: Bentonite Grout						┼───			20	· · · · · · · · · · · · · · · · · · ·
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Backfill Method: Bentonite Grout								<u> </u>		
Field Representative: GB										
										Field Representative: GB

					Lo	og O <sup>.</sup>	f Test Borings (NOTE - Page 1 of 1)
						P	roject Number: 190020
	L I			TAL P		IC. P	roject Name: Exxon Mobil-Bridges State 120
			NVIRONME	ED LAND FA ENTAL SERVI		L	ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
			505	-394-3481		в	oring Number: SB-6 Surface Elevation: -
a# ⊓	e	ý	e	s	(i) To	<b>┌──</b> ┸.	Start Date: <u>6-21-05</u> Time: <u>14:08</u>
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date: <u>6-21-05</u> Time: <u>15:00</u>
Sar	, Х	Re. (in	Ň	Re		20	Description
						<b>–</b>	6" Black Top Soil
B-6 6" 14:00	ing		st	2		<u> </u>	2' Caliche
14: 14:	Cutting		Moist	26.5		<b>—</b>	
						5	- 5' Caliaba
3-6 2' ∶15	Cutting		Dry	35.0			5' Caliche
14 St				m		┣	
SB-6 5' 14:43	Probe		Dry	28.1		<u> </u>	
₩. <del>4</del>	4			5			
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							Backfill Method: Bentonite Grout
							Field Representative: GB
<u> </u>							

					L	og Of	f Test Borings (NOTE - Page 1 of 1)
	~ ,					P	roject Number: 190020
	L I			TAL PI		IC. P	roject Name: Exxon Mobil—Bridges State 120
			NVIRONME E	INTAL SERVI UNICE		L	ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
<u> </u>			505-	-394-3481		в	oring Number: SB-7 Surface Elevation: -
e# a#	e .	s) s)	e	sb	o v	5	Start Date: 6-21-05 Time: 15:05
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date: Time:
о С С С С С	0	Ţ.Ř	ž	Ř	,		Description 6" Brown Caliche/Sand
						┝	
SB-7 6" 15:08	Cutting		Moist	32.6			2' Brown Caliche/Sand
l 8 ₽	Cut		Ň	3:			
N 10			<u>م</u>	<u> </u>		5	
SB- 15:1	Cutting		Damp	33.7		-	
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							Drilling Method:
							Backfill Method: Bentonite Grout
L		;		<u>-</u>			Field Representative: GB

<b></b>								f Test Borings (NOTE - Page 1 of 1)
	II	• · · ·			tal P			roject Number: 190020
	E P		STATE	APPROV	ED LAND FA	RM AND	ļ.	roject Name: Exxon Mobil—Bridges State 120
	Ì	ľ	-	ε	UNICE -394-3481			ocation: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico
-	-	<u> </u>			1			oring Number: SB-8 Surface Elevation: -
4		Sample Type	very ies)	ture		U.S.C.S. Symbol	Depth (feet)	Start Date:         6-21-05         Time:         15:20           Finish Date:         6-21-05         Time:         16:10
	and Time	San J	Recovery (inches)	Moisture	PID Readings (ppm)	U.S. Ny	Def (fe	Description
<b>—</b>		1	<u></u>					6" Brown Top Soil
. و	2	Ð					L-	2' Caliche
SB-8 6"		Cutting		Dry	86.3		<b> </b> -	
N N		0					5	
8~	54	Cutting		Dry	17.3		Ľ,	
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								Drilling Method:
								Backfill Method: Bentonite Grout
								Field Representative: GB
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•						L	og Of	Test Borings (NOTE - Page 1 of 1)
	-	1					P	roject Number: 190020
	للر				ITAL P		IC. P	roject Name: Exxon Mobil-Bridges State 120
			STATE	NVIRONM	ÆD LAND FA ENTAL SERVI EUNICE	RM ANU CES		ocation: UL—B, Sec. 14, T17S, R34E—Lea County, New Mexico
					5-394-3481		В	oring Number: SB-9 Surface Elevation: -
	#±0	, , , , , , , , , , , , , , , , , , ,	<u>ح</u>	<b>a</b> )	s			Start Date: 6-21-05 Time: 16:15
	Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Finish Date: <u>6-21-05</u> Time: <u>16:42</u>
	Sam and	S N N	(inc	Moi	Rea (P	S,N		Description
								6" Black Top Soil
	0 <sup>0</sup>	5						2' Caliche
	8–9 6' 16:20	Cutting		Moist	5.6		L	-
	28 16: 16:	2		Σ			F	_
	0 4						5	
	SB 2,1	Cutting		Dry	51.4		<u> </u>	
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		<u> </u>					30	
								Drilling Method:
								Backfill Method: Bentonite Grout
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					Lo	og Of	Test Borings (NOTE - Page 1 of 1)						
		ENVIRONMENTAL PLUS, INC. state approved land farm and environmental services elinice 505-394-3481					Project Number: 190020 Project Name: Exxon Mobil-Bridges State 120 Location: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico Boring Number: SB-10 Surface Elevation: -						
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Start Date:         6-21-05         Time:         16:50           Finish Date:         6-21-05         Time:         17:20           Description						
SB-10 6" 16:50	Cutting		Dry	35.7		5	6" Black Top Soil 2' Caliche 4' Caliche						
SB-10 2' 17:00	Cutting	1	Dry	17.1		- 3							
SB-10 4' 17:15	Cutting	-	Dry	13.6		10							
 	- - -					15							
						20							
						25 							
							Drilling Method: Backfill Method: Bentonite Grout						
							Field Representative: GB						

A								Test Borings							
	Log Of Test Borings (NOTE - Page 1 of 1														
ENVIRONMENTAL PLUS, INC. Project Name: Exxon Mobil-Bridges State 120															
		P.E	STATE	APPROV	ED LAND FA	RM AND		roject Name: Exxon Mobil-Bridges State 120							
	$\sim$	T I	ENVIRONMENTAL SERVICES EUNICE 505-394-3481					Location: UL-B, Sec. 14, T17S, R34E-Lea County, New Mexico							
					<del></del>	r	<mark>вс</mark>	oring Number: SB–11 Surface Elevation: –							
	Sample # and Time	ble	very es)	nre	PID Readings (ppm)	bol S.	£⊋	Start Date: <u>6-21-05</u> Time: <u>17:23</u>							
	dupu	Sample Type	Recovery (inches)	Moisture	Pill Ppid	U.S.C.S. Symbol	Depth (feet)	Finish Date: <u>6-21-05</u> Time: <u>18:30</u>							
	σō		<u></u>	Σ			┼───	Description 6" Brown Top Soil							
	້. ບໍ						-								
	4.7	Cutting		Dry	73.6			2' Caliche							
	SB-11 17:3	Cut		ā	2			4' Caliche							
							5								
	2,1 2,1	Cutting	1	Dry	31.1		<b>L</b>								
	<b>`</b> +		4												
	<u> </u>	ing			n		<b> </b>								
	SB-11 18: 3(	Cutting		Dry	51.3										
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								Drilling Method:							
								Backfill Method: Bentonite Grout							
								Field Representative: GB							
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# ExonMobil Production

September 7, 2006

C-141 Form Bridges State #120 Lea County, New Mexico

State of New Mexico Oil Conservation Division District 1 1625 N. French Drive Hobbs, New Mexico 88240

Gentlemen:

Please find enclosed the original plus one copy of the C-141 form. The spill of 1.5 barrels of hydrocarbon and 44.5 of produced water occurred on April 14, 2005. It is our understanding that the submission of the attached form and the lab analysis fulfills ExxonMobil's responsibility and that no further action is required.

If you have any questions or need additional information, please contact me at (281) 654-1133.

Sincerely,

mi R. Collier

Toni L. Collier

TLC Attachments

CC: State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505



District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

220 5. St. Flai	CIS DI., Salia	a re, 1991 87505	, 	Sa	inta Fe	e, NM 875	05			ويروف فات			
			Rele	ease Notific	cation	and Co	orrective A	ction					
						<b>OPERA</b>			🗌 Initia	al Report	$\boxtimes$	Final Report	
Name of Co						Contact Toni Collier							
		58 Houston,	<u>FX 7721</u>	0-4358			No. 281-654-11						
Facility Nat	ne Bridge	s State				Facility Type Tank Battery							
Surface Ow	ner Nite	SHITE .	or par	_ Mineral C	Owner	NMOED			Lease N	No. B0-15	20-00	02	
				LOCA	ATION	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the					est Line	County	-		
Н	14	175	34E		N 1500	0		E 1320	)	Lea			
	77'	I atitud	Lo N32	50.20.4196	<b>k</b>	Longitud	e <u>W103 31</u> .	38 6882		<u> </u>		· · · · · · · · · · · · · · · · · · ·	
	11	Latitut	ie <u>1132</u>					50.0002	·	-			
		÷		NAT	URE	OF REL		r	V. L		0 . 11 . 20	Dille	
Type of Rele	ase Oil and	water								Recovered (	J 011, 30	BDIS OI	
Source of Re	lease Hea	iter treater				Date and Hour of Occurrence Date				Hour of Dis	scovery	4/14/05	
Was Immedi	oto Mati-a (	Civer		<u></u>		4/14/05 10 If YES, To			10:00AM	[	<del>n </del>		
was mineur	ate Notice (		Yes 🗌	] No 🔲 Not R	equired	Sylvia Dic							
By Whom? S	Shelby Penr				•	Date and Hour 4/14/05 3:07 PM If YES, Volume Impacting the Watercourse. SEP 2005 K SEP 2005 K Beceived Billion							
Was a Water		ched?		• -		If YES, Vo	olume Impacting	the Water	rcourse.				
			Yes 🛛	No					1 miles	0111213	14.70	、	
	urse was Im	pacted, Descr	ibe Fully.	*					100	<b>A</b>	107	5.	
N/A									15	25,	ж. 	118	
									34565	<b>SEP</b> 200	6 k	101	
Describe Cou	ver of Ducht	lem and Reme	dial A atia						0	Receive	ed	<u>N</u>	
		,		the vessel around	l the drai	in line.			1	Hobbs	şe.	No.	
	····								NS:2	000	ć		
										Hobbs OCD	arit		
		and Cleanup A			10 <sup>777-1</sup>					-022.90		<del></del>	
Heater Treat	er has been	drained, blast	ed and the	hole has been pa	tched. P	Protective coa	ting was added.	Site will I	be cleaned	l up.			
<u></u>					<u> </u>		<del></del>						
I hereby cert	Ify that the line and the line	information gi	o report a	e is true and comp nd/or file certain r	elease n	he best of my	knowledge and u	inderstan	d that purs	suant to NM	IOCD r	ules and	
public health	or the envi	ronment. The	acceptan	ce of a C-141 repo	ort by the	e NMOCD m	arked as "Final R	eport" do	bes not rel	ieve the ope	rator of	fliability	
should their of the should the should the should be shou	operations h	have failed to a	adequately	v investigate and r stance of a C-141	emediate	e contaminati	ion that pose a thr	eat to gro	ound water	r, surface w	ater, hu	man health	
		ws and/or regi			report d	oes not renew	e the operator of	responsi	onny for c	omphance	with any	y other	
			$\overline{\Omega}$				OIL CON	SERV	ATION	DIVISIO	DN		
Signature	Imot	The ( ). C	w	-									
	10000	7	-0			Approved by District Supervisor:							
Printed Nam	e: Timothy	O. Cagle								u,			
Title: Comp	liance Supe	rvisor				Approval Dat	te:	Expiration D			Pate:		
E-mail Addro	ess: Timoth	y.O.Cagle@ey	l.com		Conditions of Approval:								
E-mail Address: Timothy.O.Cagle@exxonmobil.com						Conditions ()		Attached					
	9/1/06		281-654										
Attach Addi	tional She	ets If Necess	ary			<u> </u>			·····		~	n++	
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