ExxonMobil Production Company
P O Box 4358
Houston, Texas 77210-4358

UPS Overnight Mail 1Z V7F 007 01 9862 7553

ExxonMobil
Production

May 5, 2008

C-141 Form
Avalon Delaware Unit
Eddy County, New Mexico

State of New Mexico
Oil Conservation Division
District 2
1301 W. Grand Avenue
Artesia, New Mexico 88210

Gentlemen:

Please find enclosed the C-141 form for a spill at our Avalon Delaware Unit. The spill of 56 barrels of hydrocarbon occurred on May 26, 2008. 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,

Toni L. Collier

Toni L. Collier

TLC
Attachments

CC: State of New Mexico (Certified Mail 91 7108 2133 3933 0568 7513)
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

DEC - 4 2008
OCD-ARTESIA

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

n 2RP0820033340

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ExxonMobil 7673	Contact Toni Collier
Address P.O. Box 4358, Houston, TX 77210	Telephone No. 281-654-1133
Facility Name Avalon Delaware Unit 30-015-24524	Facility Type Flowline

Surface Owner BLM	Mineral Owner BLM	Lease No. NMNM 0119

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	30	28E	20S					Eddy

Latitude N32.32.5.22 **Longitude** 104.13.18.92

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 56 bbls	Volume Recovered 0 bbls
Source of Release 2 7/8" flowline	Date and Hour of Occurrence 5/26/08	Date and Hour of Discovery 5/26/08 8:30AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher	
By Whom? Shelby Pennington	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
2 7/8" flowline, 4 years old leaked due to internal corrosion. Line was isolated.

Describe Area Affected and Cleanup Action Taken.*
Site was remediated in accordance with approved Remediation Proposal. Disturbed areas will be harrowed and disked, then seeded with a mixture approved by the BLM in late spring 2009.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: for	OIL CONSERVATION DIVISION
Printed Name: Kevin M. Dillow	Approved by District Supervisor: TGum by SB
Title: Compliance Supervisor	Approval Date: 12-9-08 Expiration Date: N/A
E-mail Address: Kevin.M.Dillow@exxonmobil.com	Conditions of Approval: N/A Attached ☐ N/A 2RP-201
Date: 12/3/08 Phone: 281-654-1557	

* Attach Additional Sheets If Necessary

01 December 2008

Sherry Bonham
Environmental Engineer
New Mexico Oil Conservation Division
1301 West Grand
Artesia, New Mexico 88210

RE: Final Closure Report
Exxon Mobil –Avalon (Delaware)TB Transfer Line
UL-C (NE ¼ of the NW ¼) of Section 31, T 20 S, R 28 E
Longitude: 32° 32' 5.22"; Latitude: 104° 13' 18.92"
Eddy County, New Mexico
NMOCD Ref. 2RP-201; EPI Ref. #190033

Dear Sherry Bonham:

On May 26, 2008 at an unknown time approximately 56-barrels of produced water were released from a tank battery flow line (2 7/8" dia.) when a leak developed due to internal corrosion. Zero (0) barrels of produced water were recovered. Fluids released impacted approximately 4,770 ft^2 of the surrounding terrain (reference *Figure #3*). NMOCD (M. Bratcher-Artesia) was notified of the release on May 26, 2008 at 8:30 am. This letter report documents results of remediation activities and provides a Final Closure Report.

Site Background

The Site is located in UL-C (NE ¼ of the NW ¼) of Section 31, T 20 S, R 28 E at an approximate elevation of 3,280 feet above mean sea level (amsl). The property is owned by the Department of the Interior and managed by the Bureau of Land Management (BLM). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). No wells (domestic, agriculture or public) or bodies of surface water exist within a 1,000 feet radius of the Site (reference *Figure 2*). Groundwater data indicates the average water depth is approximately 50 feet below ground surface (bgs). Based on available information, it was projected distance between impacted soil and groundwater is approximately 42 vertical feet. Utilizing this information, New Mexico Oil Conservation Division (NMOCD) Remedial Goals for this Site were determined as follows:

Parameter	Remedial Goal
Benzene	10 parts per million
BTEX	50 parts per million
TPH	100 parts per million

*Chloride residuals may not be capable of impacting local groundwater above NMWQCC Standards of 250 mg/L

P O Box 1558 ••• 2100 Avenue O ••• Eunice, New Mexico 88231
Telephone 575•394•3481 ••• Fax 575•394•2601

Preliminary Field Work

On May 26, 2008 EPI reacted to an Emergency Response and started preventative remediation activities on the release area. During the period of May 26-29, 2008 soil contaminated with produced water was blended with clean soil to solidify the material. Excavated material was placed on a plastic liner to prevent contamination of surrounding area. Approximately 120-cubic yards of impacted material were transported to Sundance Services, Inc., for disposal. EPI also performed site assessment, GPS survey and photographed the site on May 26, 2008. On May 27, 2008 three (3) soil samples were collected, field tested and remitted to an independent laboratory for analysis of chloride concentrations. Due to the release being produced water, no analyses were conducted for BTEX or TPH concentrations. Fourteen (14) soil samples were collected on May 28, 2008 and field tested for chlorides. A LaMotte Chloride Test Kit (Titration Method) was used for analyses of chloride concentrations. EPI and Straub Corporation mobilized at the Site on July 23, 2008 to direct the locale and depth of four (4) soil borings (i.e., SB-1, SB-2, SB-3 and SB-4; reference *Figure 4*). Soil samples collected at three (3), five (5) and ten (10) feet bgs were field tested and submitted to an independent laboratory for analyses of chloride concentrations (reference *Table 2*).

Soil samples designated for laboratory analyses were immediately placed in laboratory provided containers, appropriately labeled, placed in ice and transported to either XENCO (ELT) Laboratory, Odessa, Texas or Cardinal Laboratory, Hobbs, New Mexico for quantification of chloride concentrations.

Analytical Data

Field analysis of soil samples collected on May 27 and May 28, 2008 indicated chloride concentrations increased from north (pooling area) to south (release area). Except for two (2) locations (NSBTM-1 and NSBTM-2A) chloride concentrations were above NMOCD Remedial Threshold goals of 250 mg/Kg. As this phase of the project was for emergency response, soil samples were field tested to quantify areas of high chloride concentrations and remove the bulk of surficial contamination to prevent runoff (reference *Table 3*).

Field analysis of soil boring soil samples collected on July 23, 2008 indicated chloride concentrations decreased with depth. Laboratory analytical results indicated chloride concentrations ranged from 2,510 mg/kg (SB-1 @ 3-ft bgs) to 16.1 mg/Kg (SB-2 @ 5-ft bgs) confirming the values of field analyses results. Soil boring soil samples demonstrated the bulk of chloride concentrations reside in the zone from original ground surface to ±five (5) feet below ground surface (bgs).

Site Remedial Activities

On October 27, 2008 EPI mobilized on site to commence remediation activities of the release area. From October 27 through November 11, 2008, EPI excavated approximately 1,968 cubic yards of impacted soil. Impacted material was transported to Sundance Services, Inc., for disposal. As noted in *Figure 5*, two (2) separate excavations were undertaken on the north and south sectors of the original release area. Depth of excavations ranged from three (3) to eight (8) feet below ground surface (bgs). During remedial activities, soil samples were collected from bottom and sidewalls of the excavation with transportation to XENON (ELT) Laboratory in Odessa, Texas for analyses of chloride concentrations. A review of Table 3, *Summary of Soil*

Sample Field Analyses and Laboratory Analytical Results, indicates soil impacted with chloride concentrations above NMOCD Remedial Threshold goals of 250 mg/Kg were completely removed from sidewalls and bottom of the excavation. With this knowledge, EPI began backfill activities commencing on November 12, 2008 and ending November 17, 2008. During this interim, approximately 714 cubic yards of caliche and 1,740 cubic yards of top soil were transported from an independent source for use as backfill material. Caliche was placed from bottom of excavation to within three (3) feet of original ground surface. Remainder of the excavation was backfilled with clean top soil. Disturbed areas were contoured to allow natural drainage and blend into surrounding topography.

EPI recommends seeding the disturbed areas in late spring of 2009 when ground and weather conditions are more conducive to grass survival. Disturbed areas will be harrowed and disked then seeded with a blend approved by the BLM.

Based on the above described remediation activities, EPI request acceptance of the project and issuance of a letter of approval by the NMOCD requiring no additional remedial action by ExxonMobil Corporation save for grass seeding.

Should you have any technical questions or concerns, please contact me at (575) 394-3481 (office), (575) 441-7802 (mobile) or via email at dduncan@envplus.net. Official communications should be directed to Mr. Shelby Pennington at (432) 266-1454 (mobile), (432) 596-4211 ext. 14 (office) or via email at shelby.g.pennington@exxonmobil.com with correspondence addressed to:

Mr. Shelby Pennington
Sr. Operations Compliance Technician
ExxonMobil Corporation
6810 NW 8000
Andrews, Texas 78714

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan
Civil Engineer

Cc: Shelby Pennington, Sr. Operations Compliance Technician, ExxonMobil Corporation
Cody Miller, General Manager, EPI
Roger Boone, Operations Superintendent, EPI
Paul Evans, Environmental Protection Specialist, BLM

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Soil Boring Location Map
Figure 5 – Excavation Map
Table 1 – Well Data
Table 2 – Summary of Soil Boring Soil Sample Field Analysis and Laboratory Analytical Results
Table 3 – Summary of Excavation Soil Sample Field Analysis and Laboratory Analytical Results
Attachment I – Site Photographs
Attachment II – Laboratory Analytical Results and Chain-of-Custody Form
Attachment III – Soil Boring Logs
Attachment IV – Copy of Initial NMOCD Form C-141
Final NMOCD Form C-141

FIGURES

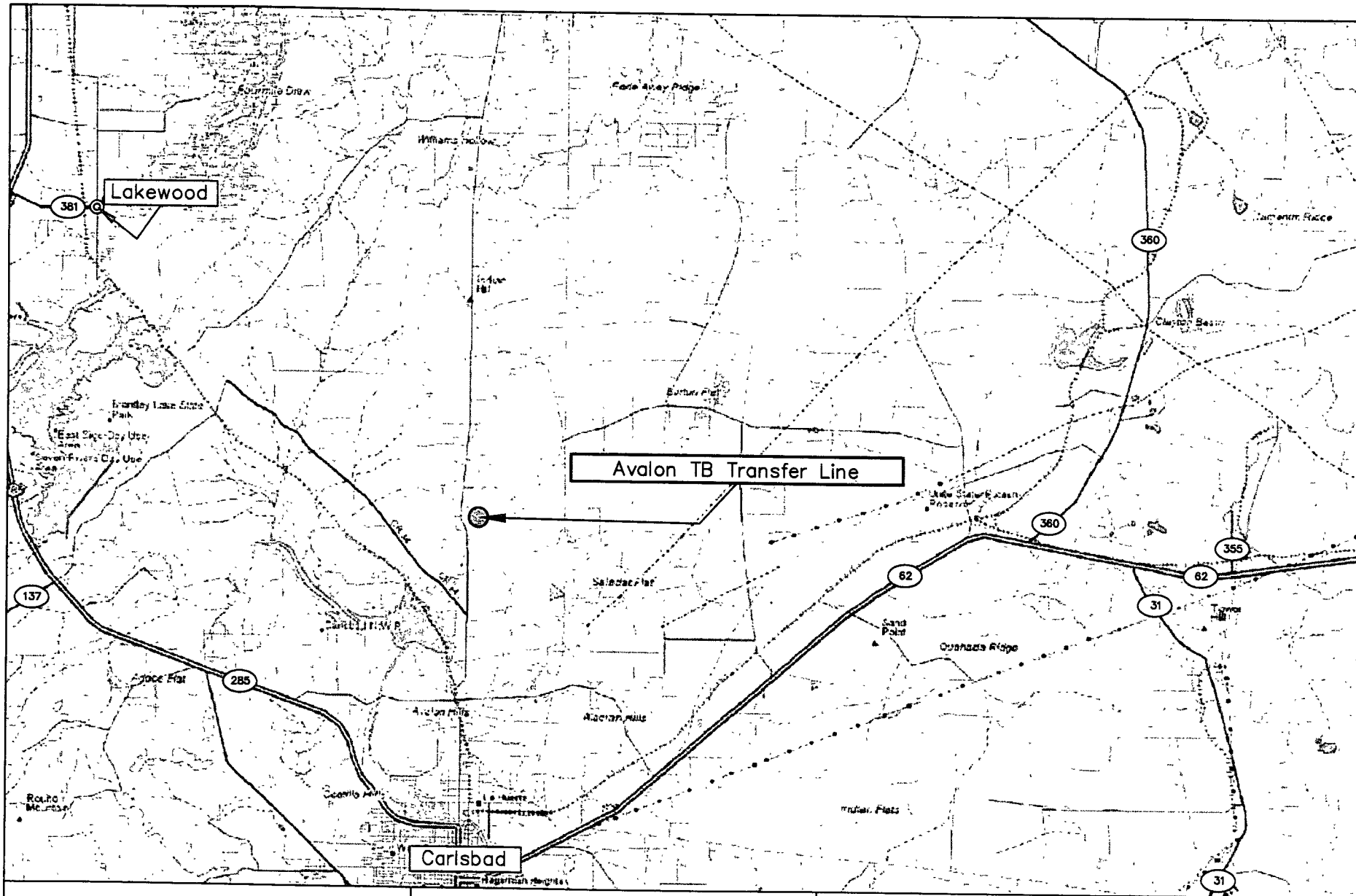

Figure 1
Area Map
ExxonMobil
Avalon TB Transfer Line

Eddy County, New Mexico
NE 1/4 of the NW 1/4, Sec. 31, T20S, R28E
N 32° 32' 5.22" W 104° 13' 18.92"
Elevation: 3,280 feet amsl

DWG By: D Dominguez
May 2008

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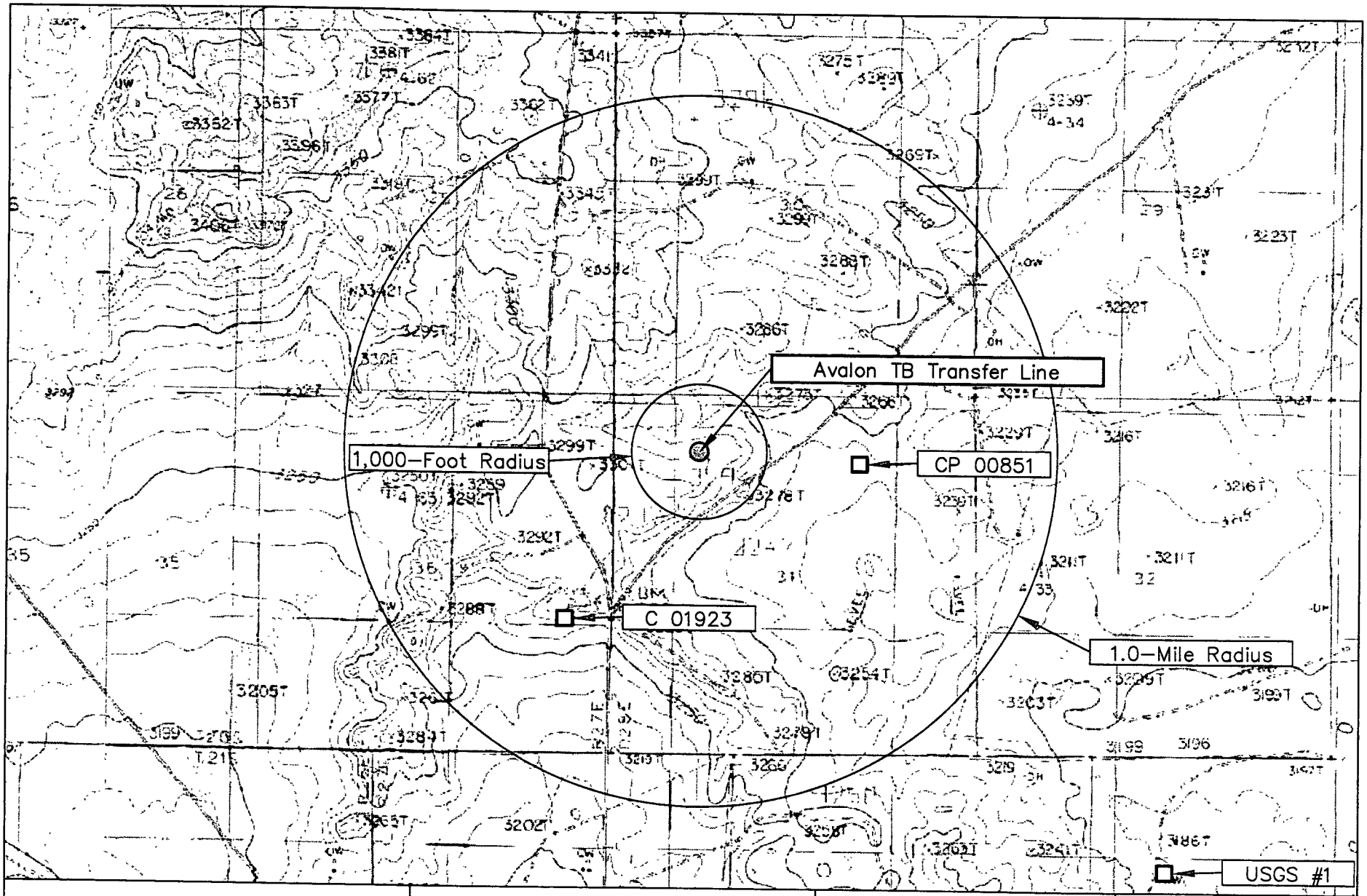

Figure 2
Site Location Map
ExxonMobil
Avalon TB Transfer Line

Eddy County, New Mexico
NE 1/4 of the NW 1/4, Sec. 31, T20S, R28E
N 32° 32' 5.22" W 104° 13' 18.92"
Elevation: 3,280 feet amsl

DWG By: D Dominguez
May 2008

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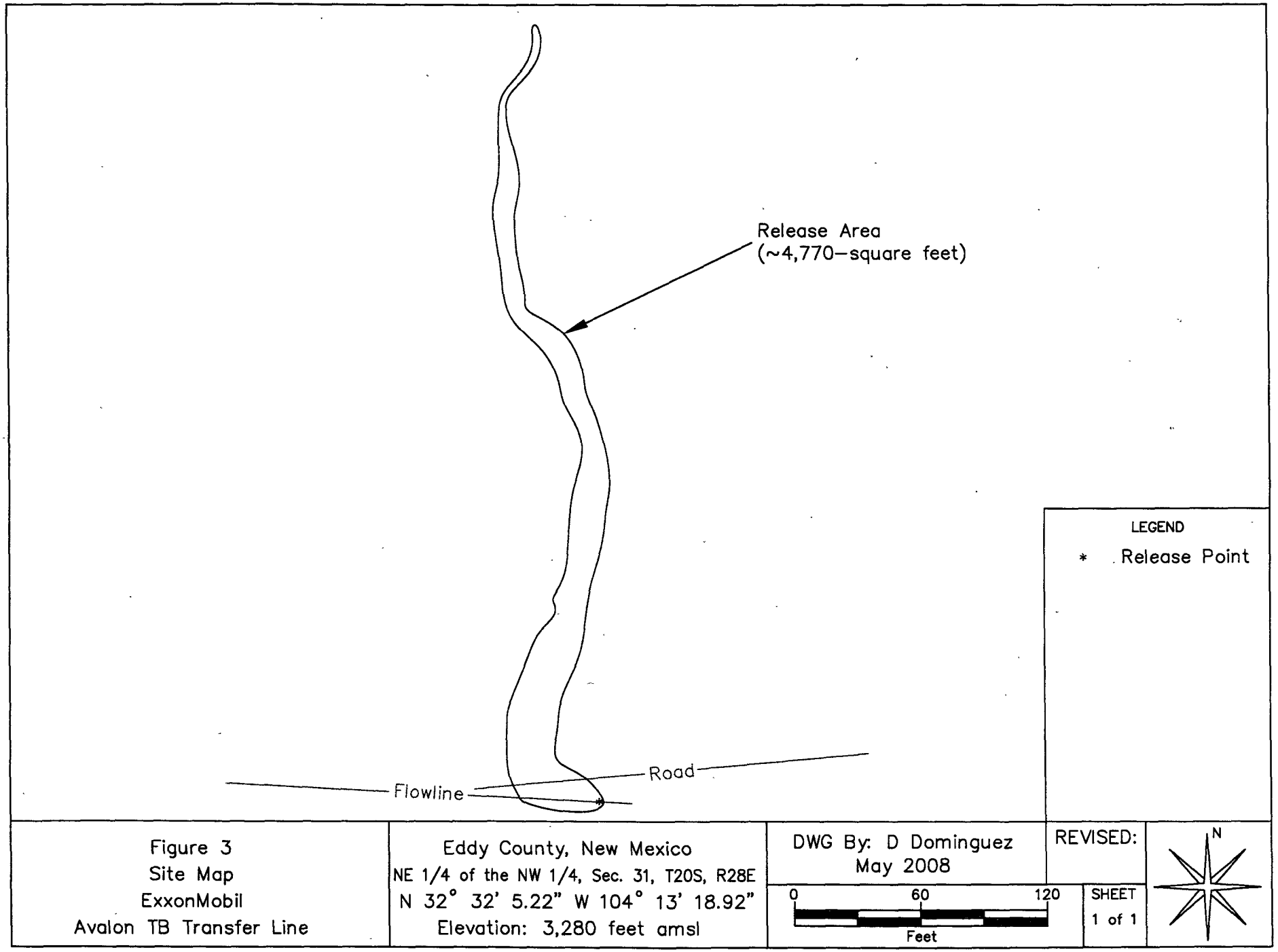


Figure 3 Site Map ExxonMobil Avalon TB Transfer Line	Eddy County, New Mexico NE 1/4 of the NW 1/4, Sec. 31, T20S, R28E N 32° 32' 5.22" W 104° 13' 18.92" Elevation: 3,280 feet amsl	DWG By: D Dominguez May 2008	REVISED: SHEET 1 of 1	

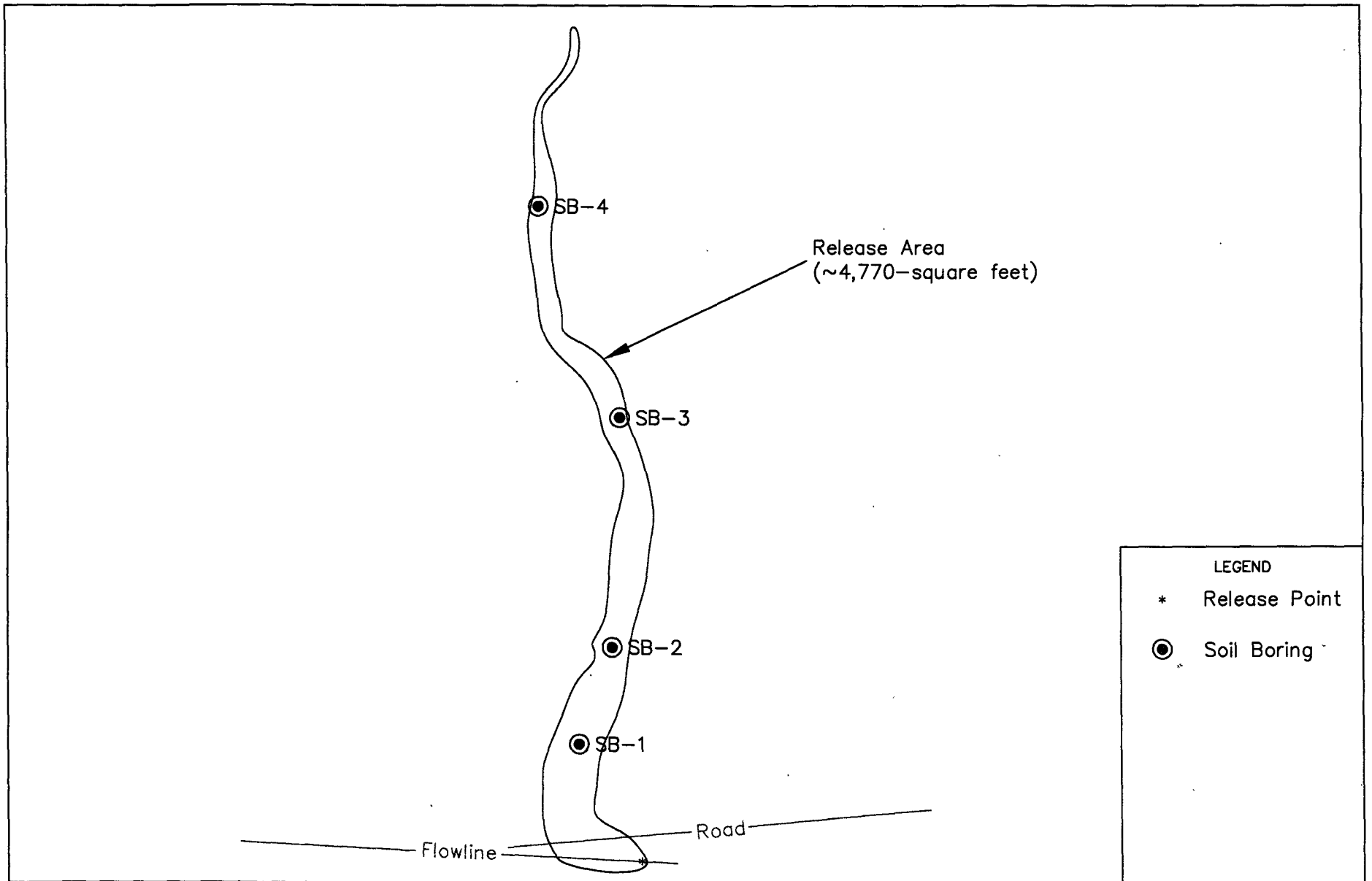


Figure 4
Soil Boring Location Map
ExxonMobil
Avalon TB Transfer Line

Eddy County, New Mexico
NE 1/4 of the NW 1/4, Sec. 31, T20S, R28E
N 32° 32' 5.22" W 104° 13' 18.92"
Elevation: 3,280 feet amsl

DWG By: D Dominguez
May 2008

REVISED:
July 2008

SHEET
1 of 1

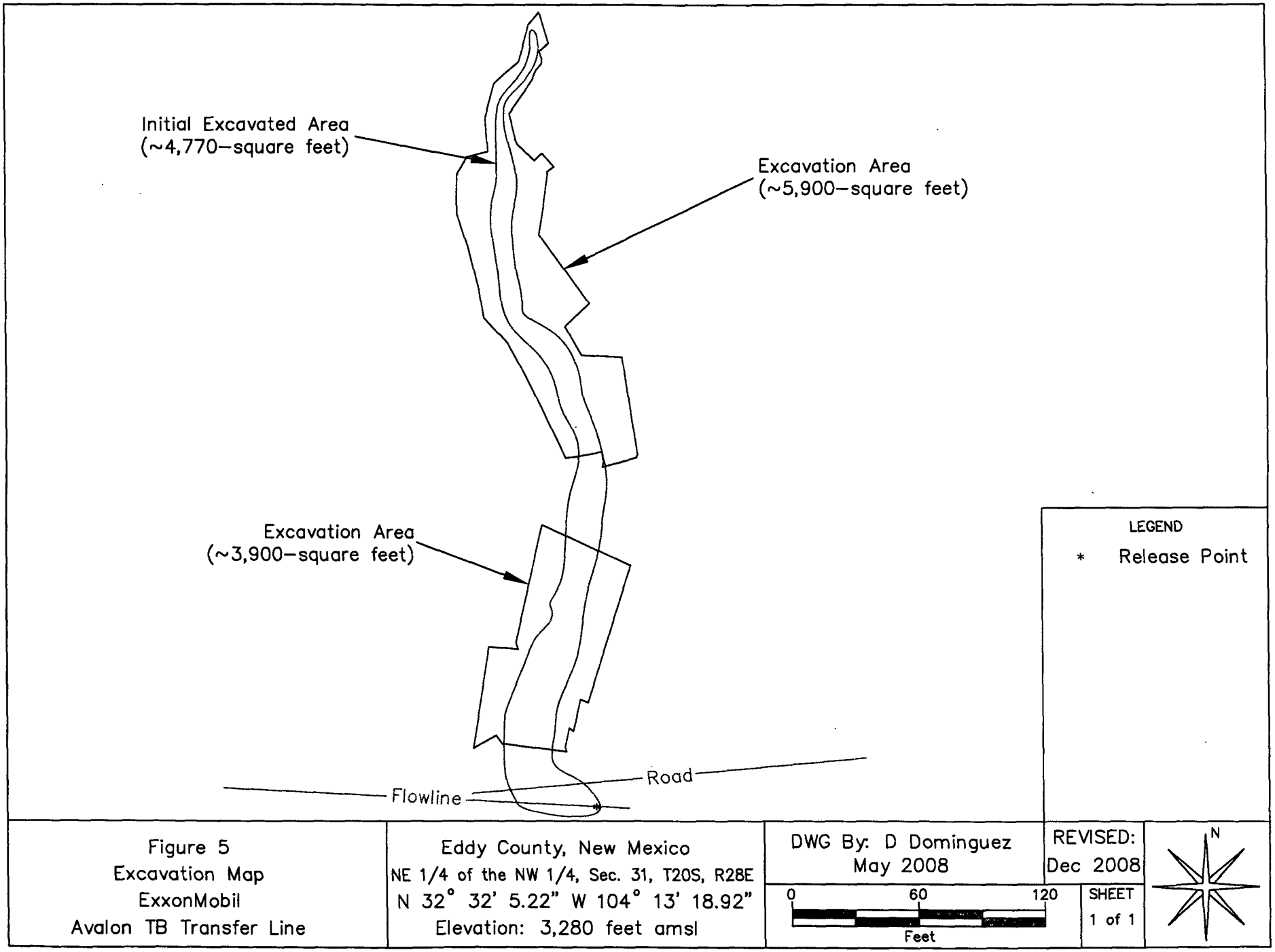


Figure 5 Excavation Map ExxonMobil Avalon TB Transfer Line	Eddy County, New Mexico NE 1/4 of the NW 1/4, Sec. 31, T20S, R28E N 32° 32' 5.22" W 104° 13' 18.92" Elevation: 3,280 feet amsl	DWG By: D Dominguez May 2008	REVISED: Dec 2008	
			SHEET 1 of 1	

TABLES

TABLE 1

Well Data

ExxonMobil - Avalon TB Transfer Line (NMOCD Ref. 2RP-201; EPI Ref # 190033)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
CP 00851	3	EXXON CORPORATION	SAN	20S	28E	31 2 1 4	N32° 32' 3.69"	W104° 12' 51.09"	14-Sep-95	3,236	115
C 01923	3	MWJ PRODUCING COMPANY	PRO	20S	27E	36 4 2	N32° 31' 40.75"	W104° 13' 41.97"	03-Sep-80	3,275	
USGS #1				21S	27E	4 1 3 2			14-Dec-76	3,192	22.04
C 01333	3	HUMBLE OIL	PRO	21S	27E	05 4 1 1	N32° 30' 29.60"	W104° 12' 39.00"	11-May-66	3,333	350
C 03163	3	DAVID MARLEY	STK	21S	27E	06 2 1 3	N32° 30' 48.43"	W104° 13' 40.73"	10-Mar-05	3,199	175
C 02699	0	BONNEVILLE FUELS	PRO	21S	26E	01 4 1 1	N32° 30' 29.41"	W104° 14' 42.02"	19-May-00	3,179	89
USGS #2				21S	27E	5 4 3 3			01-Dec-55	3,285	206.13
USGS #3				21S	27E	5 4 1 4			14-Jan-86	3,299	196
USGS #4				21S	27E	6 1 4 1			24-Jan-57	3,186	36.57

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose state.nm.us:7001/iWATERS/wr_RegisServlet) and the USGS website (http://waterdata usgs gov/nwis).

Shaded areas indicate well locations not shown on Figure 2

[A] = in acre feet per annum

[B] = Elevation interpolated from USGS topographical map based on referenced location.

SAN = 72-12-1 Sanitary in Conjunction with a Commercial Use

PRO = 72-12-1 Prospecting or development of natural resource

STK = 72-12-1 Livestock watering

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

TABLE 2

Summary of Soil Boring Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges C12-C28 (mg/Kg)	Carbon Ranges C28-C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
SB-1	3	In Situ	23-Jul-08	--	2,200	--	--	--	--	--	--	--	--	--	**2,510**
	5	In Situ	23-Jul-08	--	240	--	--	--	--	--	--	--	--	--	63.8
	10	In Situ	23-Jul-08	--	160	--	--	--	--	--	--	--	--	--	24
SB-2	3	In Situ	23-Jul-08	--	120	--	--	--	--	--	--	--	--	--	40.9
	5	In Situ	23-Jul-08	--	120	--	--	--	--	--	--	--	--	--	16.1
SB-3	3	In Situ	23-Jul-08	--	1,200	--	--	--	--	--	--	--	--	--	**535**
	5	In Situ	23-Jul-08	--	240	--	--	--	--	--	--	--	--	--	93.6
	10	In Situ	23-Jul-08	--	240	--	--	--	--	--	--	--	--	--	17.5
SB-4	3	In Situ	23-Jul-08	--	240	--	--	--	--	--	--	--	--	--	110
	5	In Situ	23-Jul-08	--	180	--	--	--	--	--	--	--	--	--	36.7
NMOCD Remedial Thresholds				100		10				50				100	250

Bold values exceed NMOCD remedial threshold goals

J = Analyte detected, but below the reporting limit, therefore, result is an estimated concentration

-- = Not Analyzed

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (NMOCD Ref. 2RP-201; EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C12 C28 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
EMERGENCY RESPONSE														
BG-1	0.5	In situ	05/27/08	--	80	--	--	--	--	--	--	--	--	<16
NSBTM-1	2	In situ	05/27/08	--	240	--	--	--	--	--	--	--	--	32
NSBTM-2	2	Excavated	05/27/08	--	1,840	--	--	--	--	--	--	--	--	--
NSBTM-2A	4	In situ	05/27/08	--	240	--	--	--	--	--	--	--	--	32
NSBTM-3	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-3A	1.5'	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-4	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-4A	1.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-5	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-5A	1.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-6	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-6A	1.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-7	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-7A	1.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-8	0.5	Excavated	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
REMEDIATION PHASE														
NSBTM-9	0.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
NSBTM-10	0.5	In situ	05/28/08	--	4,000+	--	--	--	--	--	--	--	--	--
BH-1	8	In situ	10/28/08	--	320	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (NMOCD Ref. 2RP-201; EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C12-C28 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
BH-1A	8	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
BH-2	7	In situ	10/28/08	--	400	--	--	--	--	--	--	--	--	--
BH-2A	7	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
BH-3	6	Excavated	10/28/08	--	320	--	--	--	--	--	--	--	--	--
BH-3A	6	Excavated	11/06/08	--	300	--	--	--	--	--	--	--	--	844
BH-3B	8	In situ	11/10/08	--	80	--	--	--	--	--	--	--	--	ND
BH-4	6	In situ	10/28/08	--	400	--	--	--	--	--	--	--	--	--
BH-4A	6	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	ND
BH-5	6	In situ	10/28/08	--	320	--	--	--	--	--	--	--	--	--
BH-5A	6	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	77.5
SW-1	4	Excavated	10/28/08	--	2,160	--	--	--	--	--	--	--	--	--
SW-1A	4	In situ	10/30/08	--	240	--	--	--	--	--	--	--	--	--
SW-1B	4	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-2	4	In situ	10/28/08	--	9,040	--	--	--	--	--	--	--	--	--
SW-2A	4	In situ	10/30/08	--	240	--	--	--	--	--	--	--	--	--
SW-2B	4	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-3	3	Excavated	10/28/08	--	1,840	--	--	--	--	--	--	--	--	--
SW-3A	3	In situ	10/30/08	--	240	--	--	--	--	--	--	--	--	--
SW-3B	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-4	3	In situ	10/28/08	--	240	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (NMOCD Ref. 2RP-201; EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C12 C28 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
SW-4A	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-5	3	In situ	10/28/08	--	240	--	--	--	--	--	--	--	--	--
SW-5A	3	In situ	11/03/08	--	240	--	--	--	--	--	--	--	--	111
SW-6	3	Excavated	10/28/08	--	2,160	--	--	--	--	--	--	--	--	--
SW-6A	3	In situ	10/30/08	--	320	--	--	--	--	--	--	--	--	--
SW-6B	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-7	3	Excavated	10/28/08	--	4,800	--	--	--	--	--	--	--	--	--
SW-7A	3	Excavated	10/30/08	--	4,240	--	--	--	--	--	--	--	--	--
SW-7B	3	In situ	11/03/08	--	160	--	--	--	--	--	--	--	--	--
SW-7C	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-8	3	In situ	10/28/08	--	320	--	--	--	--	--	--	--	--	--
SW-8A	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-9	3	Excavated	10/28/08	--	3,840	--	--	--	--	--	--	--	--	--
SW-9A	3	In situ	10/30/08	--	320	--	--	--	--	--	--	--	--	--
SW-9B	3	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	128
SW-10	4	Excavated	10/28/08	--	6,320	--	--	--	--	--	--	--	--	--
SW-10A	4	In situ	10/30/08	--	320	--	--	--	--	--	--	--	--	--
SW-10B	4	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-11	4	In situ	10/28/08	--	320	--	--	--	--	--	--	--	--	--
SW-11A	4	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	ND

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (NMOCD Ref. 2RP-201; EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C12 C28 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
SW-12	4	Excavated	10/28/08	--	4,320	--	--	--	--	--	--	--	--	--
SW-12A	4	Excavated	10/30/08	--	400	--	--	--	--	--	--	--	--	--
SW-12B	4	Excavated	11/03/08	--	2,640	--	--	--	--	--	--	--	--	--
SW-12C	4	In situ	11/03/08	--	360	--	--	--	--	--	--	--	--	--
SW-12D	4	In situ	11/06/08	--	280	--	--	--	--	--	--	--	--	209
BH-6	6	In situ	10/29/08	--	400	--	--	--	--	--	--	--	--	--
BH-6A	6	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	ND
BH-7	6	In situ	10/29/08	--	240	--	--	--	--	--	--	--	--	--
BH-7A	6	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
BH-8	6	In situ	10/29/08	--	240	--	--	--	--	--	--	--	--	--
BH-8A	6	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	166
SW-13	3	In situ	10/29/08	--	320	--	--	--	--	--	--	--	--	--
SW-13A	3	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	ND
SW-14	3	In situ	10/29/08	--	240	--	--	--	--	--	--	--	--	--
SW-14A	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	69.3
SW-15	3	Excavated	10/29/08	--	800	--	--	--	--	--	--	--	--	--
SW-15A	3	Excavated	10/31/08	--	6,800	--	--	--	--	--	--	--	--	--
SW-15B	3	In situ	11/03/08	--	160	--	--	--	--	--	--	--	--	--
SW-15C	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-16	3	In situ	10/29/08	--	4,240	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - Avalon Tank Battery Transfer Line (NMOCD Ref. 2RP-201; EPI Ref. #190033)

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C12 (mg/Kg)	DRO C12 C28 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
SW-16A	3	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	150
SW-17	3	**Excavated**	10/29/08	--	1,360	--	--	--	--	--	--	--	--	--
SW-17A	3	In situ	10/31/08	--	160	--	--	--	--	--	--	--	--	--
SW-17B	3	In situ	11/06/08	--	80	--	--	--	--	--	--	--	--	ND
SW-18	3	**Excavated**	10/29/08	--	1,920	--	--	--	--	--	--	--	--	--
SW-18A	3	**Excavated**	10/31/08	--	4,640	--	--	--	--	--	--	--	--	--
SW-18B	3	In situ	11/03/08	--	160	--	--	--	--	--	--	--	--	--
SW-18C	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
SW-19	3	**Excavated**	10/29/08	--	1,120	--	--	--	--	--	--	--	--	--
SW-19A	3	**Excavated**	10/31/08	--	5,600	--	--	--	--	--	--	--	--	--
SW-19B	3	In situ	11/03/08	--	240	--	--	--	--	--	--	--	--	--
SW-19C	3	In situ	11/06/08	--	240	--	--	--	--	--	--	--	--	ND
SW-20	3	**Excavated**	10/29/08	--	5,120	--	--	--	--	--	--	--	--	--
SW-20A	3	**Excavated**	10/31/08	--	9,280	--	--	--	--	--	--	--	--	--
SW-20B	3	In situ	11/03/08	--	160	--	--	--	--	--	--	--	--	--
SW-20C	3	In situ	11/06/08	--	160	--	--	--	--	--	--	--	--	ND
NMOCD Remedial Thresholds				100		10				50			100	250

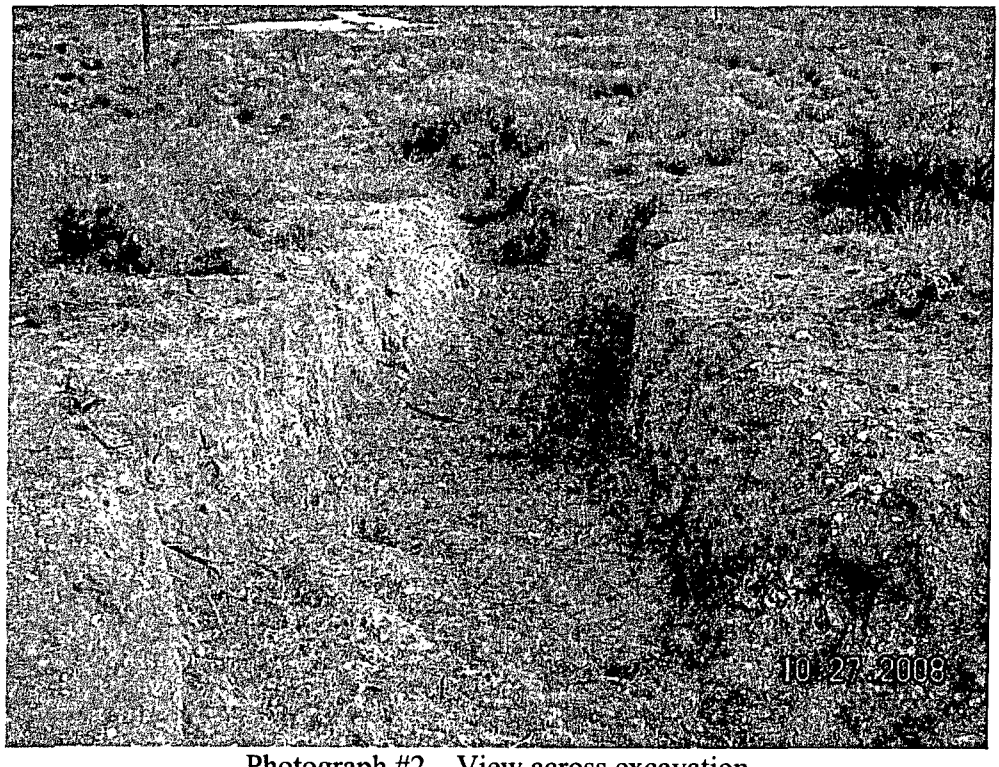
***Bold** values exceed NMOCD remedial threshold goals*

Nomenclature: SP= Sample Point; T = Trench; SW = Sidewall; BTM = Bottom Hole; N = North, S = South, W = West and E = East; BG = Background Sample

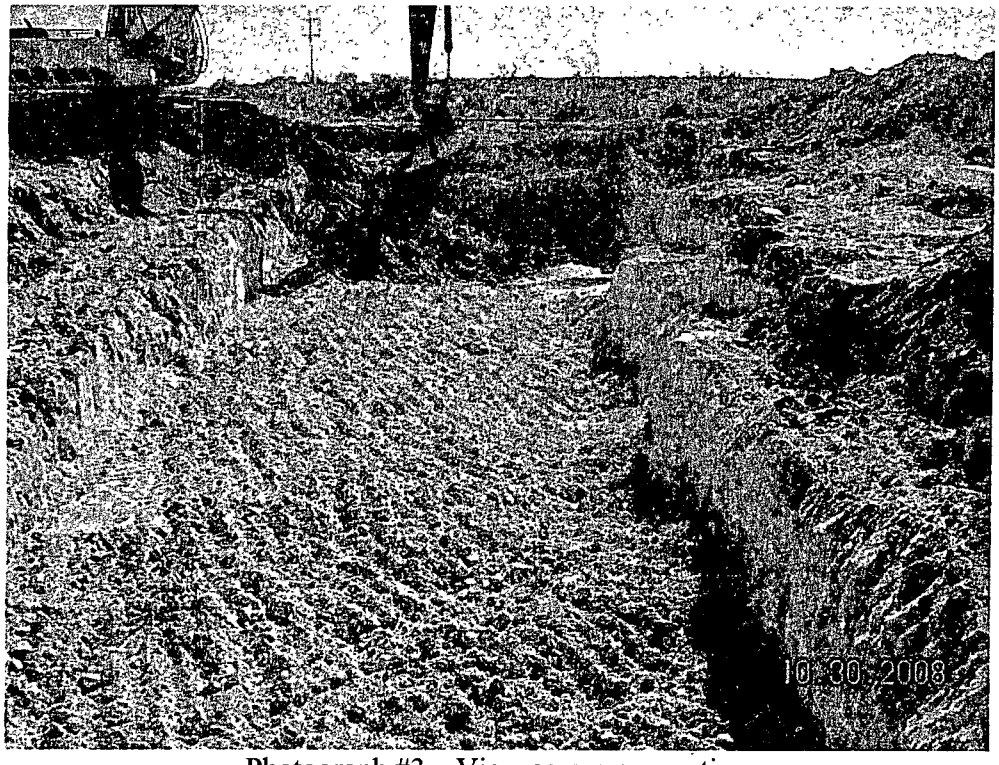
-- = Not Analyzed

ATTACHMENT I
PHOTOGRAPHS

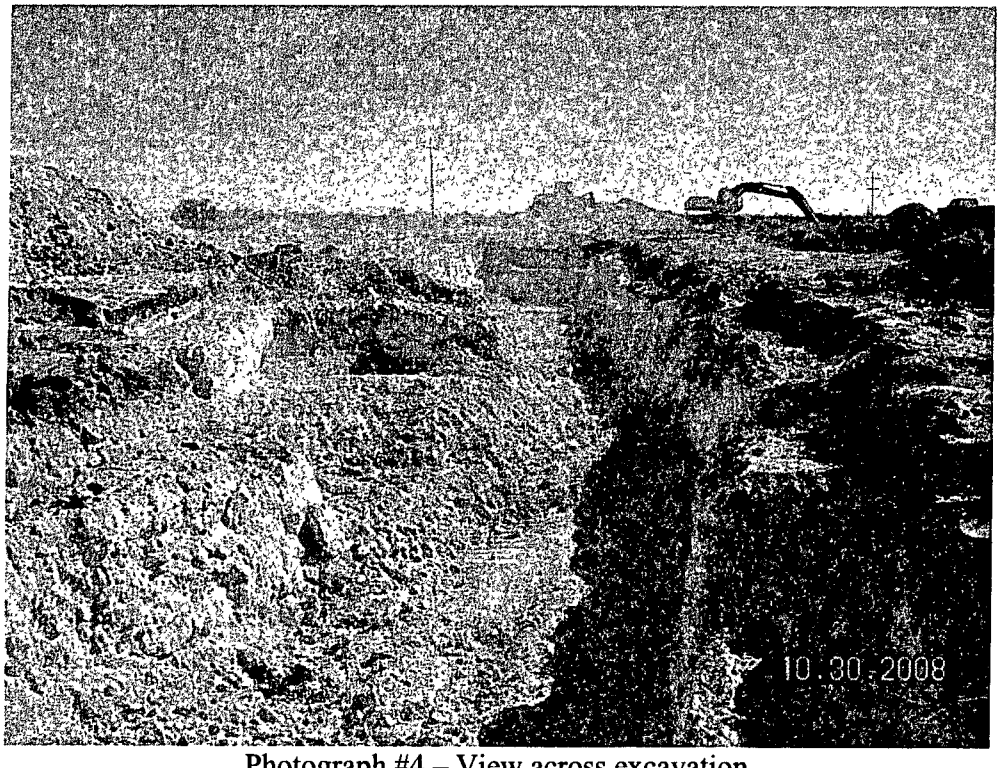
Photograph #1 – Lease Sign



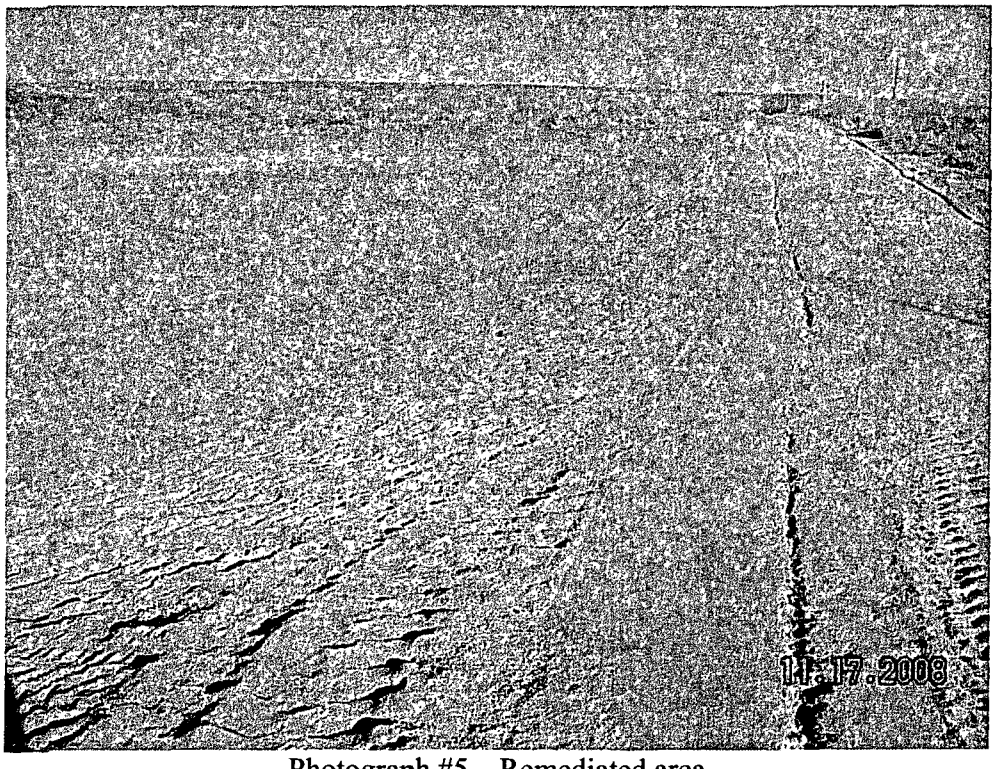
Photograph #2 – View across excavation



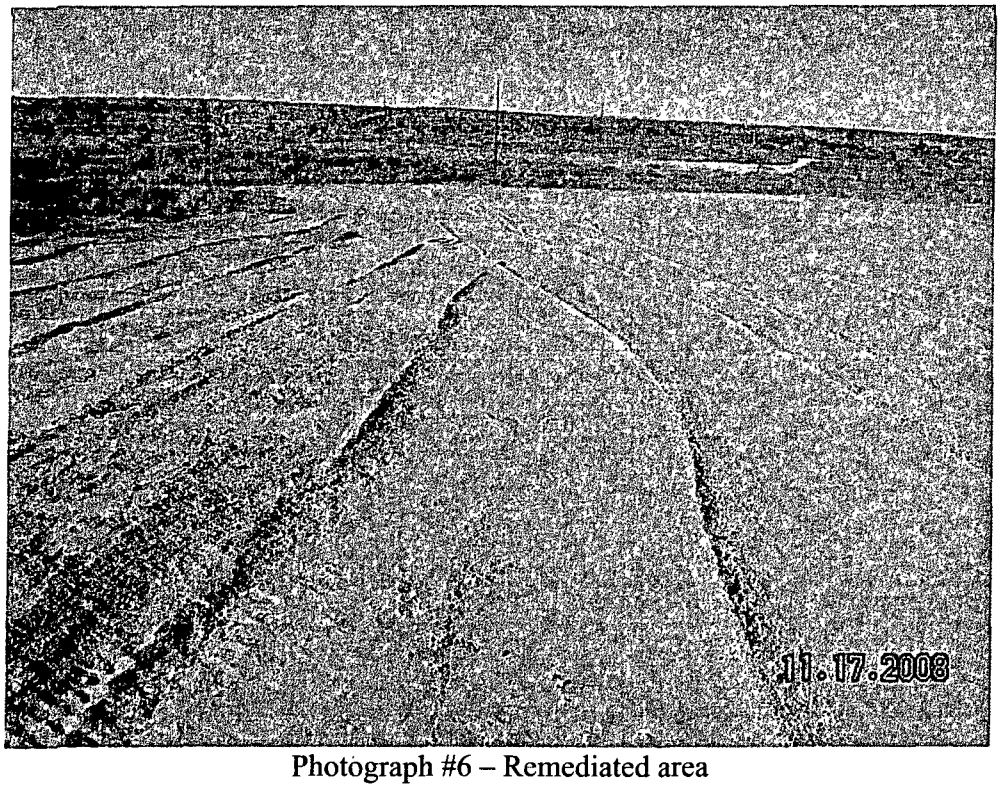
Photograph #3 – View across excavation



Photograph #4 – View across excavation



Photograph #5 – Remediated area



Photograph #6 – Remediated area

ATTACHMENT II
LABORATORY ANALYTICAL DATA
AND
CHAIN-OF-CUSTODY FORM
(*not included in draft copy*)

Analytical Report 316993

for

Environmental Plus, Incorporated

Project Manager: David P. Duncan

Avalon CTB Transfer Line

190033

10-NOV-08

E84880

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215 - Odessa/Midland, TX T104704215-08-TX

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

10-NOV-08

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **316993**
Avalon CTB Transfer Line
Project Address: UL-C, Sec. 31, T20S, R28E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 316993. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 316993 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 316993

Environmental Plus, Incorporated, Eunice, NM

Avalon CTB Transfer Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW-1B (4')	S	Nov-06-08 12:04		316993-001
SW-2B (4')	S	Nov-06-08 12:07		316993-002
SW-3B (3')	S	Nov-06-08 12:10		316993-003
SW-4A (3')	S	Nov-06-08 12:15		316993-004
SW-5A (3')	S	Nov-06-08 12:18		316993-005
SW-6B (3')	S	Nov-06-08 12:23		316993-006
SW-7C (3')	S	Nov-06-08 12:27		316993-007
SW-8A (3')	S	Nov-06-08 12:31		316993-008
SW-9B (3')	S	Nov-06-08 12:33		316993-009
SW-10B (4')	S	Nov-06-08 12:37		316993-010
SW-11A (4')	S	Nov-06-08 12:42		316993-011
SW-12D (4')	S	Nov-06-08 12:48		316993-012
BH-1A (8')	S	Nov-06-08 12:51		316993-013
BH-2A (7')	S	Nov-06-08 12:55		316993-014
BH-3A (6')	S	Nov-06-08 13:01		316993-015
BH-4A (6')	S	Nov-06-08 13:03		316993-016
BH-5A (6')	S	Nov-06-08 13:07		316993-017
BH-6A (6')	S	Nov-06-08 13:09		316993-018
BH-7A (6')	S	Nov-06-08 13:14		316993-019
BH-8A (6')	S	Nov-06-08 13:16		316993-020
SW-13A (3')	S	Nov-06-08 13:21		316993-021
SW-14A (3')	S	Nov-06-08 13:23		316993-022
SW-15C (3')	S	Nov-06-08 13:29		316993-023
SW-16A (3')	S	Nov-06-08 13:34		316993-024
SW-17B (3')	S	Nov-06-08 13:40		316993-025
SW-18C (3')	S	Nov-06-08 13:44		316993-026
SW-19C (3')	S	Nov-06-08 13:47		316993-027
SW-20C (3')	S	Nov-06-08 13:49		316993-028

Certificate of Analysis Summary 316993

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon CTB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec 31, T20S, R28E

Date Received in Lab: Fri Nov-07-08 12:45 pm
Report Date: 10-NOV-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	316993-001		316993-002		316993-003		316993-004		316993-005		316993-006	
	Field Id:	SW-1B (4')		SW-2B (4')		SW-3B (3')		SW-4A (3')		SW-5A (3')		SW-6B (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Nov-06-08 12 04		Nov-06-08 12:07		Nov-06-08 12 10		Nov-06-08 12 15		Nov-06-08 12 18		Nov-06-08 12.23	
Inorganic Anions by EPA 300	***Extracted:***												
	Analyzed:	Nov-07-08 13 28		Nov-07-08 13:28		Nov-07-08 13:28		Nov-07-08 13 28		Nov-07-08 13 28		Nov-07-08 13:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	51 7	ND	50.7	ND	51 4	ND	45.5	111	50 5	ND	50 5
Percent Moisture	***Extracted:***												
	Analyzed:	Nov-07-08 15:00		Nov-07-08 15.00		Nov-07-08 15.00		Nov-07-08 15 00		Nov-07-08 15:00		Nov-07-08 15 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		3.33		1.39		2 73		-9.87		0.928		0 956	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 316993

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon CTB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec. 31, T20S, R28E

Date Received in Lab: Fri Nov-07-08 12:45 pm
Report Date: 10-NOV-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	316993-007		316993-008		316993-009		316993-010		316993-011		316993-012	
	Field Id:	SW-7C (3')		SW-8A (3')		SW-9B (3')		SW-10B (4')		SW-11A (4')		SW-12D (4')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Nov-06-08 12:27		Nov-06-08 12 31		Nov-06-08 12:33		Nov-06-08 12 37		Nov-06-08 12.42		Nov-06-08 12 48	
Inorganic Anions by EPA 300	*Extracted:*												
	Analyzed:	Nov-07-08 13:28		Nov-07-08 13 28		Nov-07-08 13:28		Nov-07-08 21:41		Nov-07-08 21 41		Nov-07-08 21 41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	50 2	ND	204	128	108	ND	50 9	ND	51.0	209	52.0
Percent Moisture	*Extracted:*												
	Analyzed:	Nov-07-08 15:00		Nov-07-08 15 00		Nov-07-08 15 00		Nov-07-08 15 00		Nov-07-08 15:00		Nov-07-08 15 00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		0 416		1 83		7		1 77		2		3.91	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 316993

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon CTB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec. 31, T20S, R28E

Date Received in Lab: Fri Nov-07-08 12:45 pm
Report Date: 10-NOV-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	316993-013		316993-014		316993-015		316993-016		316993-017		316993-018	
	Field Id:	BH-1A (8')		BH-2A (7')		BH-3A (6')		BH-4A (6')		BH-5A (6')		BH-6A (6')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Nov-06-08 12.51		Nov-06-08 12:55		Nov-06-08 13.01		Nov-06-08 13 03		Nov-06-08 13 07		Nov-06-08 13 09	
Inorganic Anions by EPA 300	*Extracted:*												
	Analyzed:	Nov-07-08 21:41		Nov-07-08 21.41		Nov-07-08 21·41		Nov-07-08 21 41		Nov-07-08 21 41		Nov-07-08 21 41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	52.4	ND	51 7	844	103	ND	51.1	77 5	53 9	ND	50.7
Percent Moisture	*Extracted:*												
	Analyzed:	Nov-07-08 15.00		Nov-07-08 15 00		Nov-07-08 15 00		Nov-07-08 15.00		Nov-07-08 15:00		Nov-07-08 17.00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		4.53		3 33		2.57		2 22		7 29		1.41	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 316993

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon CTB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec. 31, T20S, R28E

Date Received in Lab: Fri Nov-07-08 12:45 pm
Report Date: 10-NOV-08
Project Manager: Brent Barron, II

Analysis Requested	*Lab Id:*	316993-019		316993-020		316993-021		316993-022		316993-023		316993-024	
	Field Id:	BH-7A (6')		BH-8A (6')		SW-13A (3')		SW-14A (3')		SW-15C (3')		SW-16A (3')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Nov-06-08 13 14		Nov-06-08 13.16		Nov-06-08 13:21		Nov-06-08 13:23		Nov-06-08 13 29		Nov-06-08 13:34	
Inorganic Anions by EPA 300	*Extracted:*												
	Analyzed:	Nov-07-08 21:41		Nov-07-08 21:41		Nov-07-08 21.41		Nov-07-08 21.41		Nov-07-08 21.41		Nov-07-08 21 41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		ND	52.9	166	51 6	ND	51 2	69.3	50.3	ND	51.2	150	52 5
Percent Moisture	*Extracted:*												
	Analyzed:	Nov-07-08 17 00		Nov-07-08 17:00		Nov-07-08 17:00		Nov-07-08 17 00		Nov-07-08 17 00		Nov-07-08 17:00	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.5		3.07		2.29		0 675		2.25		4 81	

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 316993

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon CTB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec. 31, T20S, R28E

Date Received in Lab: Fri Nov-07-08 12:45 pm
Report Date: 10-NOV-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	316993-025		316993-026		316993-027		316993-028					
	Field Id:	SW-17B (3')		SW-18C (3')		SW-19C (3')		SW-20C (3')					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Nov-06-08 13.40		Nov-06-08 13.44		Nov-06-08 13 47		Nov-06-08 13·49					
Inorganic Anions by EPA 300	*Extracted:*												
	Analyzed:	Nov-07-08 21 41		Nov-07-08 21.41		Nov-07-08 21.41		Nov-07-08 21.41					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		ND	51 2	ND	50 7	ND	50.7	ND	51 6				
Percent Moisture	*Extracted:*												
	Analyzed:	Nov-07-08 17 00		Nov-07-08 17 00		Nov-07-08 17·00		Nov-07-08 17 00					
	Units/RL:	%	RL	%	RL	%	RL	%	RL				
Percent Moisture		2 38		1 36		1 46		3 02					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Blank Spike Recovery

Project Name: Avalon CTB Transfer Line

Work Order #: 316993 **Project ID:** 190033

Lab Batch #: 739592 **Sample:** 739592-1-BKS **Matrix:** Solid
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** LATCOR
Reporting Units: mg/kg **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.87	99	75-125	

Lab Batch #: 739596 **Sample:** 739596-1-BKS **Matrix:** Solid
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** LATCOR
Reporting Units: mg/kg **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	9.03	90	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS Recoveries

Project Name: Avalon CTB Transfer Line

Work Order #: 316993
Lab Batch #: 739592
Project ID: 190033
Date Analyzed: 11/07/2008
Date Prepared: 11/07/2008
Analyst: LATCOR
QC- Sample ID: 316868-001 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	19200	12000	35900	139	75-125	X

Lab Batch #: 739596
Date Analyzed: 11/07/2008
Date Prepared: 11/07/2008
Analyst: LATCOR
QC- Sample ID: 316993-010 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	ND	102	124	122	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Sample Duplicate Recovery

Project Name: Avalon CTB Transfer Line

Work Order #: 316993

Lab Batch #: 739592 **Project ID:** 190033
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** LATCOR
QC- Sample ID: 316868-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	19200	18600	3	20	

Lab Batch #: 739596
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** LATCOR
QC- Sample ID: 316993-010 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	ND	ND	NC	20	

Lab Batch #: 739587
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** BEV
QC- Sample ID: 316614-003 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	11.0	9.85	11	20	

Lab Batch #: 739588
Date Analyzed: 11/07/2008 **Date Prepared:** 11/07/2008 **Analyst:** LATCOR
QC- Sample ID: 316993-018 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.41	1.57	11	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain-of Custody Form

LAB: XENCO (ELT)

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	Avalon CTB Transfer Line
Location	UL-C, Sec. 31, T20S, R28E
Project Reference	190033
EPI Sampler Name	Kendall McCasland

Bill To

Attn David P Duncan
P O Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH
316913																						
1	SW-1B (4')	G	1			X					X		06-Nov-08	12:04			X					
2	SW-2B (4')	G	1			X					X		06-Nov-08	12:07			X					
3	SW-3B (3')	G	1			X					X		06-Nov-08	12:10			X					
4	SW-4A (3')	G	1			X					X		06-Nov-08	12:15			X					
5	SW-5A (3')	G	1			X					X		06-Nov-08	12:18			X					
6	SW-6B (3')	G	1			X					X		06-Nov-08	12:23			X					
7	SW-7C (3')	G	1			X					X		06-Nov-08	12:27			X					
8	SW-8A (3')	G	1			X					X		06-Nov-08	12:31			X					
9	SW-9B (3')	G	1			X					X		06-Nov-08	12:33			X					
10	SW-10B (4')	G	1			X					X		06-Nov-08	12:37			X					

Sampler Relinquished: Kendall McCasland	11/7/2008 Time 1245	Received By:	E-mail results to: dduncan@envplus.net
Relinquished by:	11/7/2008 Time 12:45	Received By (lab staff): Lindsay Faver	NOTE: Twenty-four (24) hour "turn-a-round" is requested for soil samples. Please e-mail results to dduncan@envplus.net.
Delivered by:	Sample Cool & Intact: Yes / No	Checked By:	

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(505) 394-3481 FAX: (505) 394-2601

Chain of Custody Form

LAB: XENCO (ELT)

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	Avalon CTB Transfer Line
Location	UL-C, Sec. 31, T20S, R28E
Project Reference	190033
EPI Sampler Name	Kendall McCasland

Bill To

Attn David P Duncan
P O Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH
369113																						
11	SW-11A (4')	G	1			X					X		06-Nov-08	12:42			X					
12	SW-12D (4')	G	1			X					X		06-Nov-08	12:48			X					
13	BH-1A (8')	G	1			X					X		06-Nov-08	12:51			X					
14	BH-2A (7')	G	1			X					X		06-Nov-08	12:55			X					
15	BH-3A (6')	G	1			X					X		06-Nov-08	13:01			X					
16	BH-4A (6')	G	1			X					X		06-Nov-08	13:03			X					
17	BH-5A (6')	G	1			X					X		06-Nov-08	13:07			X					
18	BH-6A (6')	G	1			X					X		06-Nov-08	13:09			X					
19	BH-7A (6')	G	1			X					X		06-Nov-08	13:14			X					
20	BH-8A (6')	G	1			X					X		06-Nov-08	13:16			X					

Sampler Relinquished	11/7/2008 Time 1245	Received By	E-mail results to: dduncan@envplus.net
Relinquished by	11/7/2008 Time 1245	Received By (lab staff) Urdua Ferm	NOTE: Twenty-four (24) hour "turn-a-round" is requested for soil samples Please e-mail results to dduncan@envplus.net.
Delivered by	Sample Cool & Intact (Yes) No	Checked By	

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

LAB: XENCO (PLT)

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	Avalon CTB Transfer Line
Location	UL-C, Sec. 31, T20S, R28E
Project Reference	190033
EPI Sampler Name	Kendall McCasland

Bill To

Attn David P Duncan
P O Box 1558
Eunice, NM 88231

LAB I.D. 31693	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-})	pH	TCLP	OTHER >>>	PAH
21	SW-13A (3')	G	1			X					X		06-Nov-08	13:21			X					
22	SW-14A (3')	G	1			X					X		06-Nov-08	13:23			X					
23	SW-15C (3')	G	1			X					X		06-Nov-08	13:29			X					
24	SW-16A (3')	G	1			X					X		06-Nov-08	13:34			X					
25	SW-17B (3')	G	1			X					X		06-Nov-08	13:40			X					
26	SW-18C (3')	G	1			X					X		06-Nov-08	13:44			X					
27	SW-19C (3')	G	1			X					X		06-Nov-08	13:47			X					
28	SW-20C (3')	G	1			X					X		06-Nov-08	13:49			X					
29																						
30																						

Sampler Relinquished	11/7/2008 Time 1245	Received By	E-mail results to: dduncan@envplus.net
Relinquished by	11/7/2008 Time 1245	Received By (lab staff) Andrea Sam	NOTE: Twenty-four (24) hour "turn-a-round" is requested for soil samples Please e-mail results to dduncan@envplus.net.
Delivered by	Sample Cool & Intact Yes (No)	Checked By	9.5°C w/labels

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: EPI

Date/ Time: 11 7 03 12 45

Lab ID #: 316913

Initials: JL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	9.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	Yes	No	(Not Applicable)	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 317560

for

Environmental Plus, Incorporated

Project Manager: David P. Duncan

Avalon TB Transfer Line

190033

17-NOV-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215-08B - Odessa/Midland, TX T104704400-08

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

17-NOV-08

Project Manager: **David P. Duncan**
Environmental Plus, Incorporated
P.O. Box 1558
Eunice, NM 88231

Reference: XENCO Report No: **317560**
Avalon TB Transfer Line
Project Address: UL-C, Sec. 31, T20S, R28E

David P. Duncan:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 317560. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 317560 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 317560

Environmental Plus, Incorporated, Eunice, NM

Avalon TB Transfer Line

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH-3B (8')	S	Nov-10-08 09:00		317560-001

Certificate of Analysis Summary 317560

Environmental Plus, Incorporated, Eunice, NM

Project Name: Avalon TB Transfer Line

Project Id: 190033
Contact: David P. Duncan
Project Location: UL-C, Sec. 31, T20S, R28E

Date Received in Lab: Thu Nov-13-08 10:46 am
Report Date: 17-NOV-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	317560-001					
	Field Id:	BH-3B (8')					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Nov-10-08 09 00					
Inorganic Anions by EPA 300	*Extracted:*						
	Analyzed:	Nov-14-08 05 45					
	Units/RL:	mg/kg	RL				
Chloride		ND	5 27				
Percent Moisture	*Extracted:*						
	Analyzed:	Nov-13-08 17.00					
	Units/RL:	%	RL				
Percent Moisture		5 17					

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

Blank Spike Recovery

Project Name: Avalon TB Transfer Line

Work Order #: 317560 **Project ID:** 190033

Lab Batch #: 740182 **Sample:** 740182-1-BKS **Matrix:** Solid

Date Analyzed: 11/14/2008 **Date Prepared:** 11/14/2008 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10 0	9.84	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS Recoveries

Project Name: Avalon TB Transfer Line

Work Order #: 317560
Lab Batch #: 740182
Project ID: 190033
Date Analyzed: 11/14/2008
Date Prepared: 11/14/2008
Analyst: LATCOR
QC- Sample ID: 317452-041 S
Batch #: 1
Matrix: Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	ND	103	116	113	75-125	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Sample Duplicate Recovery

Project Name: Avalon TB Transfer Line

Work Order #: 317560

Lab Batch #: 740182 **Project ID:** 190033

Date Analyzed: 11/14/2008 **Date Prepared:** 11/14/2008 **Analyst:** LATCOR

QC- Sample ID: 317452-041 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	ND	ND	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: XENCO (ELT)

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	Avalon TB Transfer Line
Location	UL-C, Sec. 31, T20S, R28E
Project Reference	190033
EPI Sampler Name	Kirt Tyree

Bill To

Attn David P Duncan
P O Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl⁻)	SULFATES (SO_4^{-})	pH	TCLP	OTHER >>>	PAH
317560																						
1	BH-3B (8')	G	1			X					X		10-Nov-08	9:00			X					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: Kirt Tyree	11/13/2008 Time 6:40	Received By: Roger Boone	E-mail results to: dduncan@envplus.net
Relinquished by: Roger Boone	11/13/2008 Time 10:46	Received By (lab staff): Andrea Perez	
Delivered By	Sample Cool & Intact: (Yes) No	Checked By	4°C wet ice & seal on container 4 cooler

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: CPI

Date/ Time: 11 13 05 10:45

Lab ID #: 51756C

Initials: CK

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4 C °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

ATTACHMENT III
SOIL BORING LOGS

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 190033

Project Name: ExxonMobil-Avalon Tank Battery Line Transfer

Location: UL-C, Section 31, Township 20 South, Range 28 East

Boring Number: SB-1 | Surface Elevation: 3,280-feet amsl

Start Date: 7-23-08 Time: 0830 hrs

Completion Date: 7-23-08 Time: 0848 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
0830					2,200		5	3' SAND, Tan - fine
0841					240		10	5' SAND, Tan - fine
0848					160		15	10' SAND, Tan - fine
							20	End of Soil Boring at 10' bgs
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger Trailer

Backfill Method: Bentonite

Field Representative: KM

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 190033

Project Name: ExxonMobil-Avalon Tank Battery Line Transfer

Location: UL-C, Section 31, Township 20 South, Range 28 East

Boring Number: SB-2

Surface Elevation: 3,280-feet amsl

Start Date: 7-23-08 Time: 0925 hrs

Completion Date: 7-23-08 Time: 0945 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
0925					120		0-5	3' SAND/Caliche, Tan - fine
0945					120		5	5' SAND/Caliche, Tan - fine
								End of Soil Boring at 5' bgs
							10	
							15	
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger Trailer

Backfill Method: Bentonite

Field Representative: KM

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 190033

Project Name: ExxonMobil-Avalon Tank Battery Line Transfer

Location: UL-C, Section 31, Township 20 South, Range 28 East

Boring Number: SB-3 | Surface Elevation: 3,280-feet amsl

Start Date: 7-23-08 Time: 1000 hrs

Completion Date: 7-23-08 Time: 1030 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1000					1,200		0	3' SAND, Tan - fine
1015					240		5	5' SAND, Tan - fine
1030					240		10	10' SAND, Tan - fine
								End of Soil Boring at 10' bgs
							15	
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger Trailer

Backfill Method: Bentonite

Field Representative: KM

Log Of Test Borings

(NOTE - Page 1 of 1)

ENVIRONMENTAL PLUS, INC.
CONSULTING AND
REMEDIAL CONSTRUCTION
EUNICE, NEW MEXICO
505-394-3481

Project Number: 190033

Project Name: ExxonMobil-Avalon Tank Battery Line Transfer

Location: UL-C, Section 31, Township 20 South, Range 28 East

Boring Number: SB-4 | Surface Elevation: 3,280-feet amsl

Start Date: 7-23-08 Time: 1100 hrs

Completion Date: 7-23-08 Time: 1135 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1100					240		0	3' SAND, Tan - fine
1135					180		5	5' SAND, Tan - fine
								End of Soil Boring at 5' bgs
							10	
							15	
							20	
							25	
							30	

Water Level Measurements (feet)

Date	Time	Sample Depth	Casing Depth	Cave-in Depth	Water Level
-	-	-	-	-	-
-	-	-	-	-	-

Drilling Method: Auger Trailer

Backfill Method: Bentonite

Field Representative: KM