REMEDIATION PROPOSAL

EXXON MOBIL

N. G. PENROSE TANK BATTERY NO. 1

NMOCD REF: 1RP-1135

EPI REF: #190027

UL-G (SW¼ OF THE NE¼) OF SECTION 13, T22S, R37E

~ 4.1 MILES SOUTHWEST OF EUNICE,

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 23' 40.83" LONGITUDE: W 103° 06' 54.10"

PLAN APPROVED 12.15.06

DECEMBER 2006

PREPARED BY:

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO
88231

PREPARED FOR:

ExxonMobil

ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

15 December, 2006

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

RE: Remediation Proposal
Exxon Mobil – N. G. Penrose Tank Battery #1
UL-G SW ¼ of the NE ¼ Section 13, T 22 S, R 37 E
Longitude: 32° 23' 40.83"; Latitude: 103° 06' 54.10"
NMOCD Ref. #1RP-1135; EPI Ref. #190027

Dear Mr. Johnson:

On October 24, 2006 at 12:00 p.m. approximately 17-barrels (bbls) of produced water and 16-bbls of petroleum products were released from a heater treater due to a malfunction. Approximately 15-bbls of water and 15-bbls of petroleum product were recovered. The combined fluid covered the fenced area surrounding the tank battery and flowed onto the caliche pad and road. ExxonMobil retained the services of Environmental Plus, Inc., (EPI) to respond to an Emergency Call to contain the release. After containing and stockpiling the surface impacted soil, EPI delineated the vertical and horizontal extent of impacted soil at the Site. This letter report documents the results of the delineation activities and provides a Remediation Proposal.

Site Background

The Site is located in UL-G SW ¼ of the NE ¼ of Section 13, T22S, R37E at an approximate elevation of 3,337 feet above mean sea level (amsl). The property is owned by Mr. Tom Kennann. 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 72 feet below ground surface (bgs). Based on available information, it was determined the distance between the impacted soil and groundwater is less than 70 feet. Utilizing this information, the 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	1,000 parts per million

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

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 ••• FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

Field Work

EPI responded to an Emergency Call from ExxonMobil on October 24, 2006. The surface area was remediated by use of soil to stabilize produced water and petroleum products. The impacted soil was placed on a polyethylene barrier to dry and prevent additional contamination. To the extent physically possible, impacted soil was excavated from the bermed enclosure and placed on the polyethylene barrier. EPI continued working on the Site through October 25, 2006.

On December 8, 2006 EPI mobilized at the Site to direct the locale and depth of two (2) soil borings. Owing to limited unconfined area within the TB due to piping, steel tanks and the heater treater, the soil borings were advanced on the caliche pad and road (reference *Figure 4*). During advancement of the soil borings, samples were collected at two (2) foot intervals initially and then a five (5) foot increments thereafter. Information regarding the lithology of the soil borings is provided in Attachment III, *Soil Boring Logs*. A portion of each soil sample was field analyzed for organic vapors and chloride concentrations. Samples collected for field testing of organic vapors were placed in a self-sealing polyethylene bag and allowed to equilibrate to ~70° F. The samples were then tested for organic vapor concentrations utilizing an MiniRae™ photoionization detector (PID) equipped with a 10.6 electron-volt (eV) lamp. Chloride concentrations were analyzed in the field with use of a LaMotte Chloride Kit.

Soil samples designated for laboratory analyses were immediately placed in a laboratory provided container, cooled by use of frozen water bottles and shipped to Cardinal Laboratory, Hobbs, New Mexico, for quantification of BTEX (benzene, toluene, ethylbenzene and total xylenes); Gasoline Range Organics (GRO) and Diesel Range Organics (GRO); chloride and sulfate concentrations.

Analytical Data

Field analyses of organic vapor concentrations in Soil Boring No. 1 (SB-1) indicated a range from 3.4 mg/Kg (15-ft bgs) to 70 mg/Kg (2-ft bgs) while Soil Boring No. 2 (SB-2) ranged from 0.3 mg/Kg (15-ft bgs) to 74.6 mg/Kg (2-ft bgs). Chloride concentrations in SB-1 ranged from 160 mg/kg (15-ft bgs) to 180 mg/Kg (2-ft bgs) and in SB-2 from 160 mg/Kg (15-ft bgs) to 240 mg/Kg (2-ft bgs) (reference *Table 2*).

Laboratory analytical results confirmed BTEX and TPH concentrations were not at or above laboratory analytical method detection limits (MDL) for both Soil Borings. Sulfate concentrations in SB-1 ranged from 46 mg/Kg (5-ft bgs) to 318 mg/Kg (2-ft bgs) and in SB-2 from 33.1 mg/Kg (5-ft bgs) to 132 mg/Kg (2-ft bgs). Chloride concentrations in SB-1 ranged from 16 mg/Kg (15-ft bgs) to 80 mg/Kg (2-ft bgs) and in SB-2 from <16 mg/Kg (5-ft bgs) to 96 mg/Kg (2-ft bgs). Sulfate and chloride concentrations were below NMOCD Threshold Goals of 600 mg/Kg and 250 mg/Kg, respectively (reference *Table 2*).

Overall assessment of both field analyses and laboratory analytical results indicate BTEX, TPH, sulfate and chloride concentrations are either not detected at or above laboratory analytical MDL or were below NMOCD Remedial Threshold goals (reference *Table 2*).

Site Remedial Proposal

Based on field analyses and laboratory analytical results, the area outside the TB fenced and bermed enclosure will require little remediation effort. However, EPI proposes the top two (2) feet of material be excavated and disposed at Sundance Services, Inc., Eunice, New Mexico. Imported caliche will be used to backfill the excavation. The area will be contoured to allow natural drainage.

The release area located within the fenced section of the TB area will require concentrated remedial activity. Despite the lack of site specific laboratory analytical data, the interior area contains impacted soil from the release of October 24, 2006 as well as historical releases. To differentiate between the two different strata would require considerable effort. Therefore, EPI on behalf of ExxonMobil recommends the following remedial activities be undertaken:

1. Excavate the interior release area to a minimum depth of two (2) feet or to a depth where TPH concentrations do not exceed 1,000 mg/Kg. In areas where physical constraints (pipelines, tankage, heater treater, etc.) are present, a Hydro-Excavator will be employed to prevent damage to the infrastructure. Suitable construction equipment will be used to excavate open, unconfined areas. Excavation will be confined to the release area, but extended to dimensions necessary for sidewalls and bottom to meet NMOCD Remedial Threshold Goals. The bottom and sidewalls of the excavated area will be field analyzed for both organic vapor and chloride concentrations to assist in defining the required excavation depth and width. Final soil samples will be sent to an independent laboratory to confirm field analyses results. Impacted soil will be disposed at Sundance Services, Inc., Eunice, New Mexico.

2. Upon receipt of laboratory analytical results confirming NMOCD Remedial Threshold Goals have been achieved, the excavation is to be backfilled with caliche free of clumps greater than one (1) inch in diameter. Backfill in the excavation will extend to original interior surface elevation. In areas of infrastructure constraints, backfill operations will require the use of manual labor. Compaction of the caliche in these areas will be accomplished by mechanical means (flat plate vibratory compactors, pneumatic tampers, etc.). Suitable construction equipment will be used to backfill and compact caliche in open, unconfined areas.

The above described remedial activities to the TB interior and exterior areas are designed to meet NMOCD site specific Remedial Threshold Goals with respect to the release of October 24, 2006. Remediation of the entire TB area will be accomplished when it is abandoned and decommissioned.

Should you have any technical questions or concerns, please contact me at (505) 394-3481 or via email at dduncan@envplus.net. Upon approval, EPI will initiate the next phase of the site remediation. Official correspondence should be submitted to Mr. Shelby Pennington at (432) 266-1454 (mobile), (432) 596-4211 ext. 26 (office) or via email at shelby.g.pennington@exxonmobil.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.

David P. Duncan
Civil Engineer

Cc: Shelby Pennington, Exxon Mobil Corporation
Tom Kennann, Land Owner

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Map
Figure 4 – Soil Boring Map
Table 1 – Well Data
Table 2 – Summary of Soil Boring Field Analyses 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 C-141

FIGURES

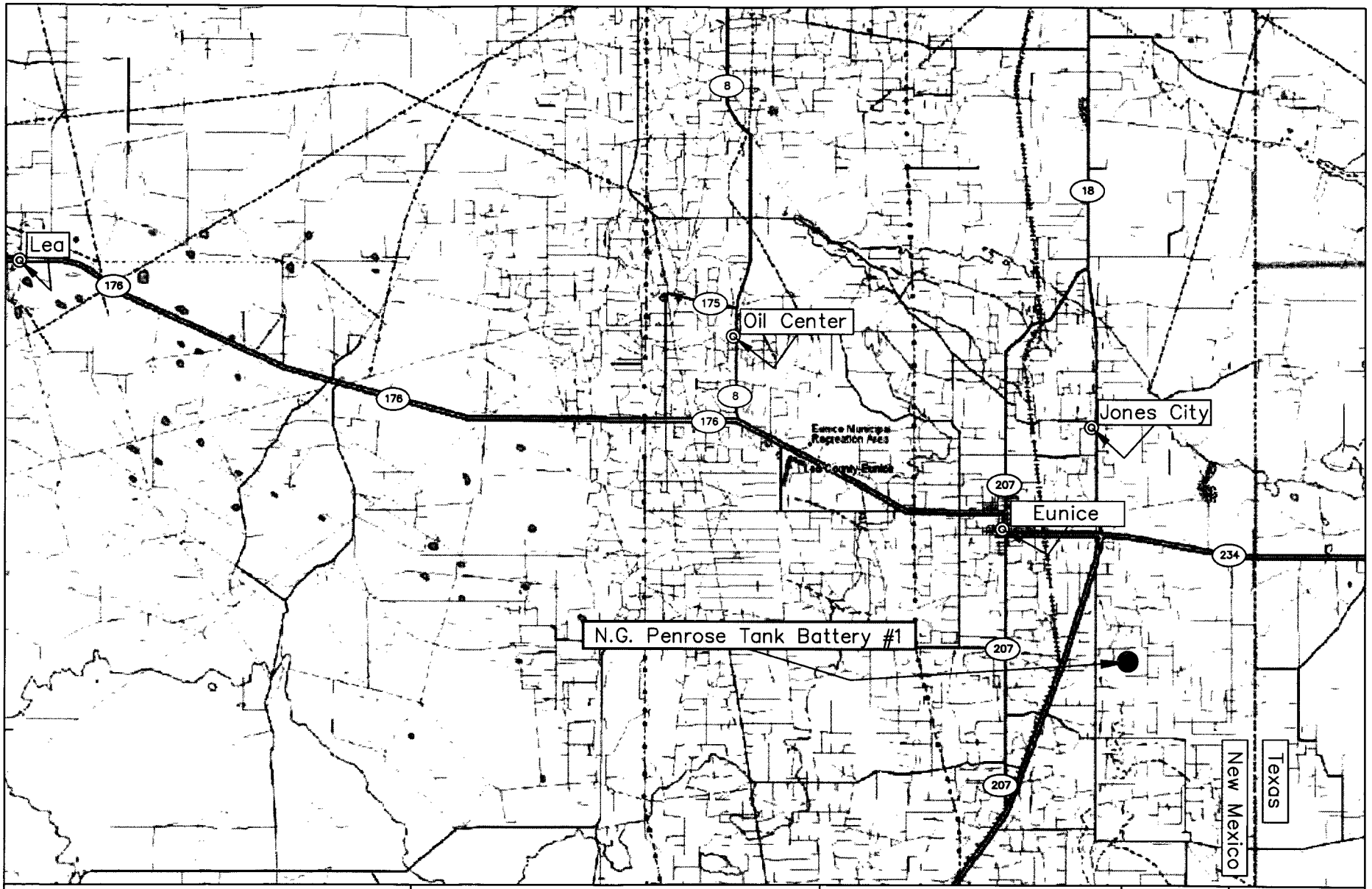

Figure 1
Area Map
ExxonMobil
N.G. Penrose Tank Battery #1

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 13, T22S, R37E
N 32° 23' 40.83" W 103° 06' 54.10"
Elevation: 3,337 feet amsl

DWG By: Daniel Dominguez
November 2006

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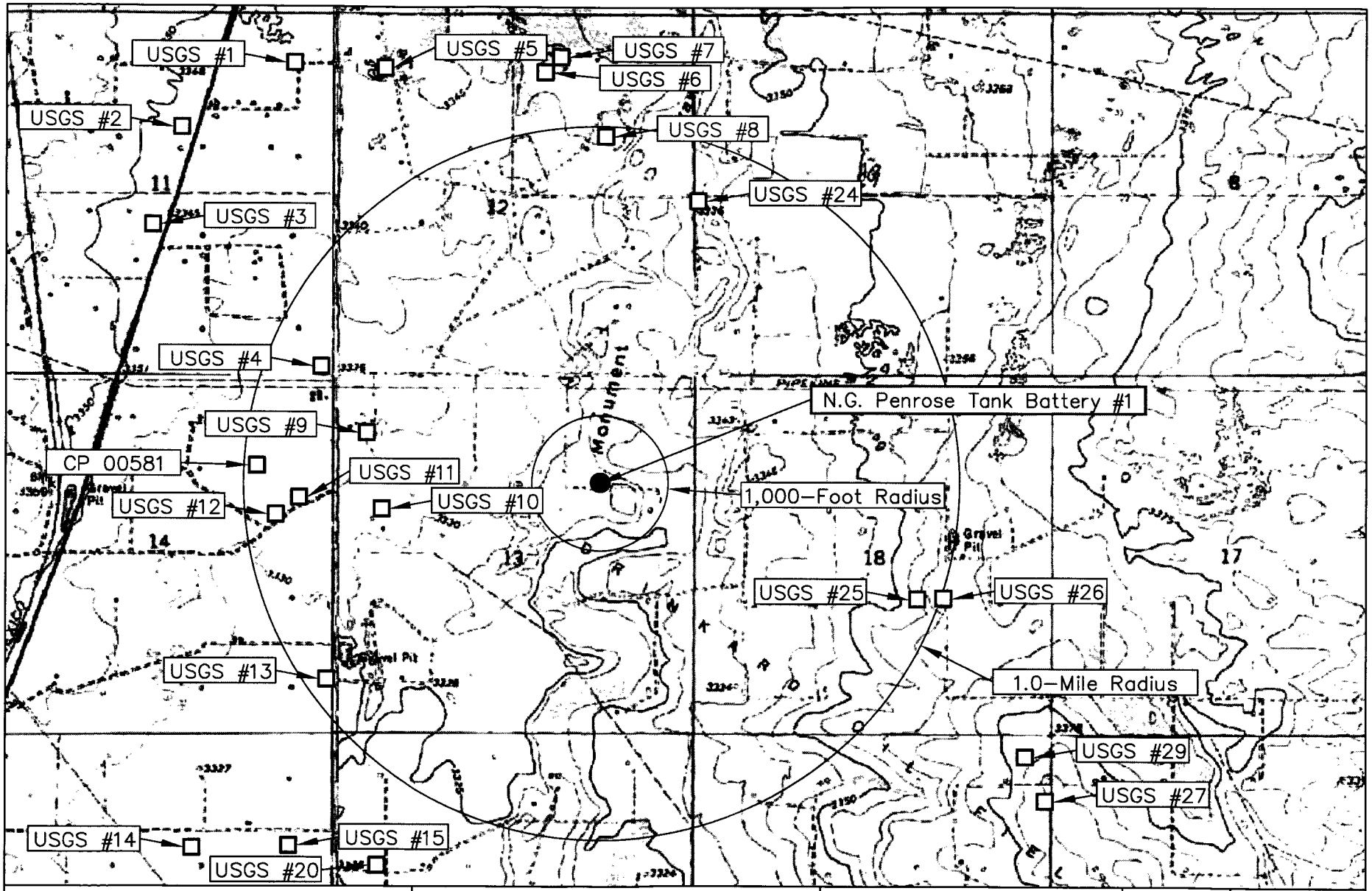

Figure 2
Site Location Map
ExxonMobil
N.G. Penrose Tank Battery #1

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 13, T22S, R37E
N 32° 23' 40.83" W 103° 06' 54.10"
Elevation: 3,337 feet amsl

DWG By: Daniel Dominguez
November 2006

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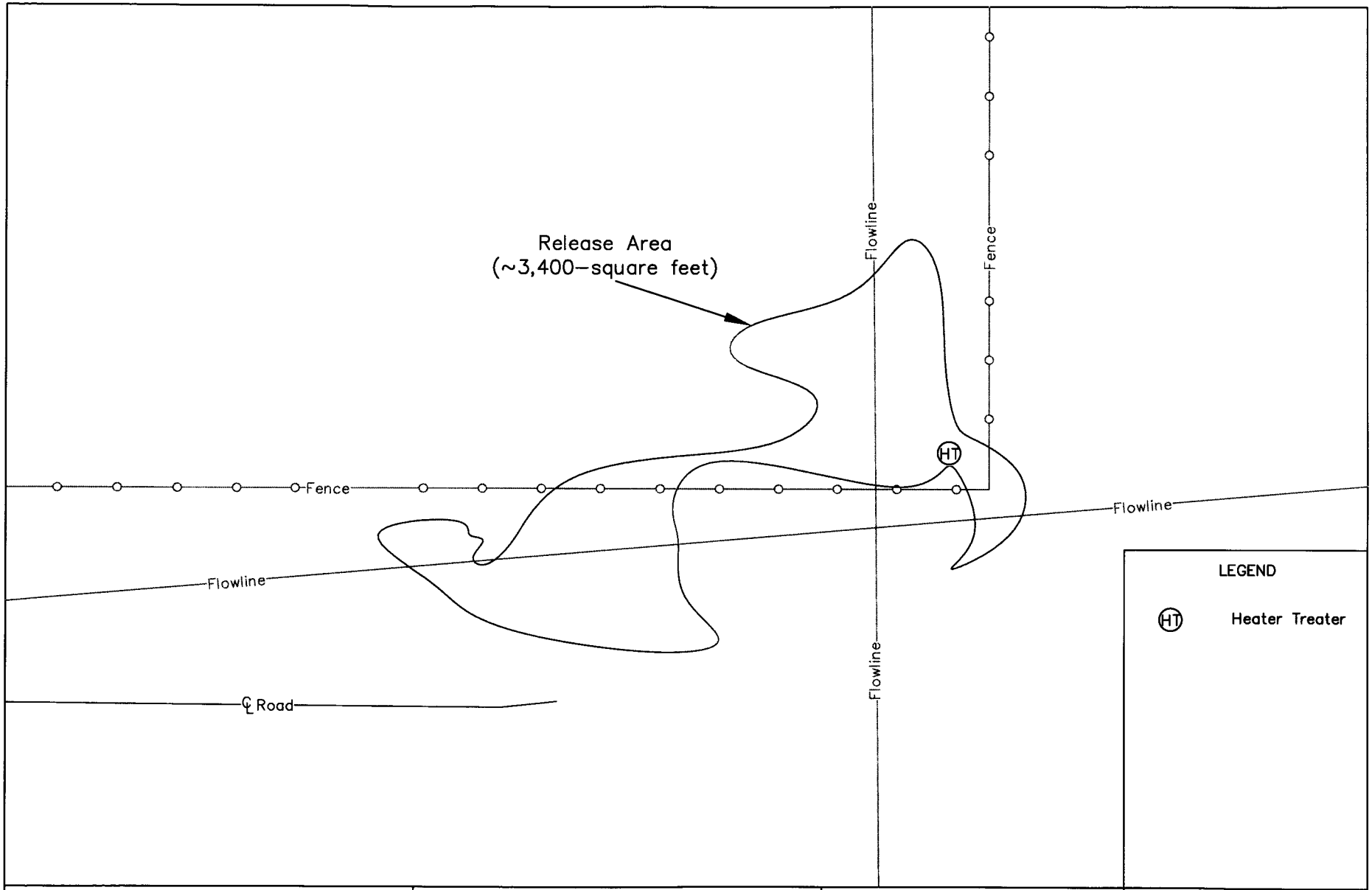

Figure 3 Site Map ExxonMobil N.G. Penrose Tank Battery #1	Lea County, New Mexico SW 1/4 of the NE 1/4, Sec. 13, T22S, R37E N 32° 23' 40.83" W 103° 06' 54.10" Elevation: 3,337 feet amsl	DWG By: Daniel Dominguez November 2006 0 30 60 Feet	REVISED: SHEET 1 of 1	N

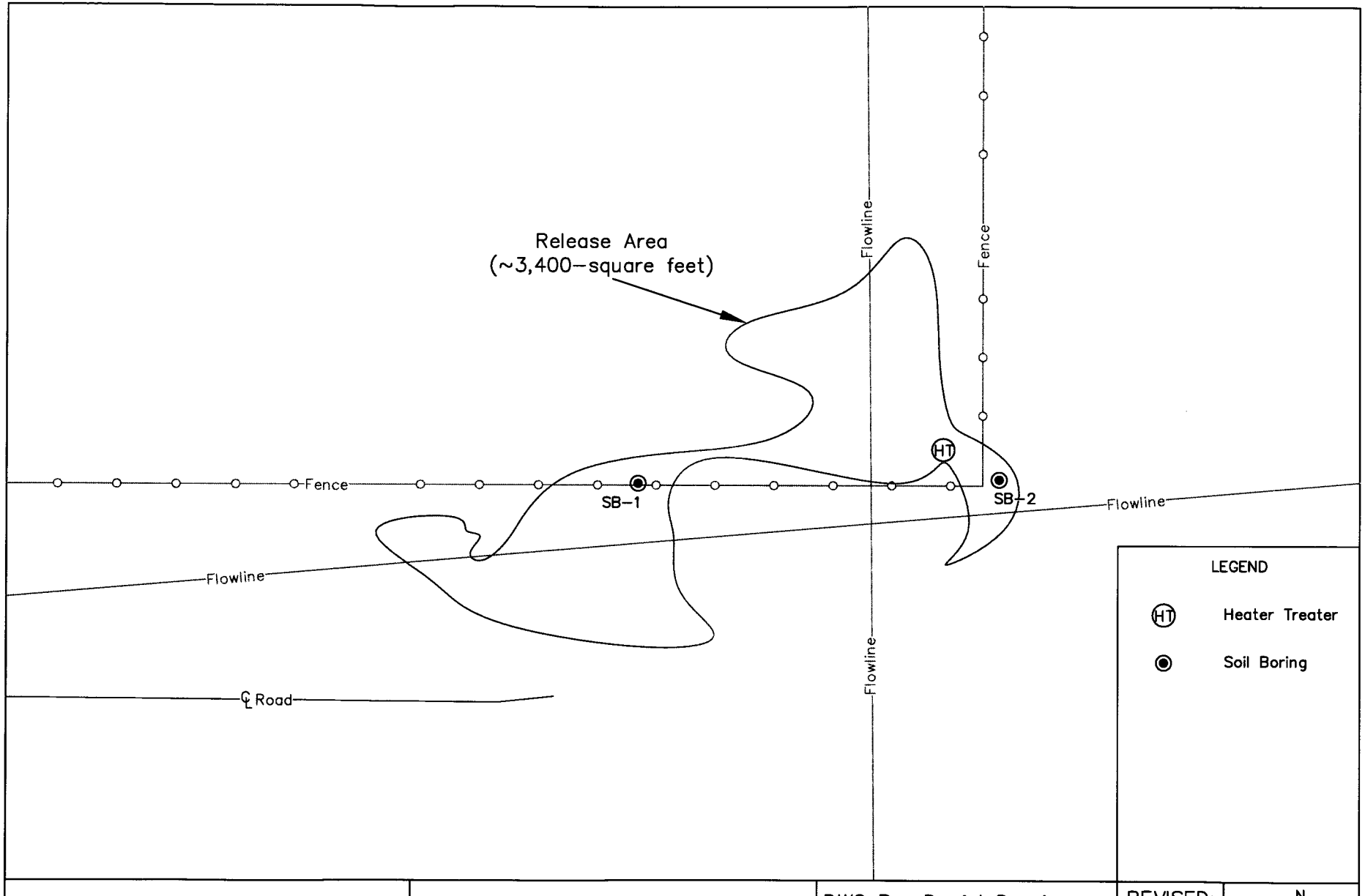

Figure 4
Soil Boring Map
ExxonMobil
N.G. Penrose Tank Battery #1

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 13, T22S, R37E
N 32° 23' 40.83" W 103° 06' 54.10"
Elevation: 3,337 feet amsl

DWG By: Daniel Dominguez
November 2006

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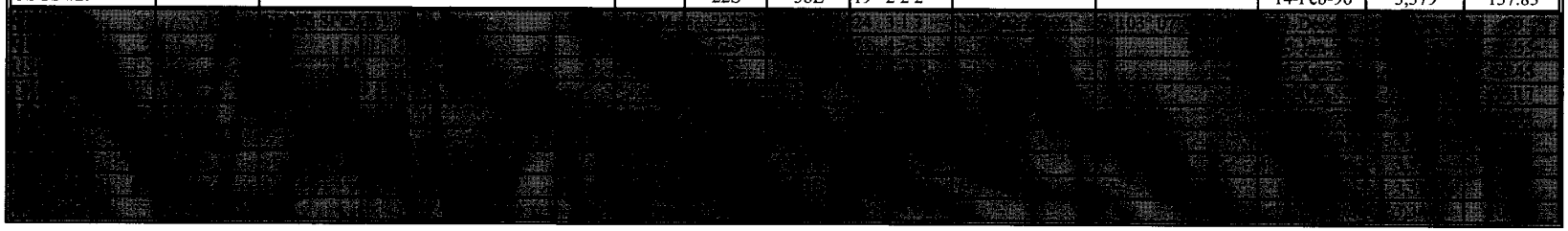
TABLES

TABLE 1

Well Data

ExxonMobil - N.G. Penrose Tank Battery #1 (Ref # 190027)

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 00581	3	NORTHERN NATURAL GAS CO.	SAN	22S	37E	14 2 2 2	N32° 23' 43.32"	W103° 07' 44.48"	18-Apr-79	3,337	65
USGS #1				22S	37E	11 2 2 4			26-Apr-91	3,349	54.87
USGS #2				22S	37E	11 2 3 1			30-Jun-76	3,349	20.51
USGS #3				22S	37E	11 3 2 2			08-Mar-96	3,349	38.97
USGS #4				22S	37E	11 4 4 4			25-Apr-91	3,336	57.98
USGS #5				22S	37E	12 1 1 4			26-Oct-65	3,345	57.4
USGS #6				22S	37E	12 2 1 3			14-Oct-53	3,345	53.26
USGS #7				22S	37E	12 2 1 2			14-Oct-53	3,345	53.82
USGS #8				22S	37E	12 2 4 1			26-Oct-65	3,345	54.63
USGS #9				22S	37E	13 1 1 3			26-Feb-86	3,335	58.48
USGS #10				22S	37E	13 1 3 4			28-Jan-76	3,332	56.67
USGS #11				22S	37E	14 2 4 2			16-Mar-81	3,335	60.76
USGS #12				22S	37E	14 2 4 3			26-Oct-65	3,335	68
USGS #13				22S	37E	14 4 4 2			14-Feb-96	3,326	54.06
USGS #14				22S	37E	23 2 3 1			14-Oct-53	3,325	54.95
USGS #15				22S	37E	23 2 4 2			16-Jan-76	3,324	54.64
USGS #20				22S	37E	24 1 3 3			03-Dec-70	3,325	69.55
USGS #24				22S	38E	7 3 1 1			14-Feb-96	3,336	50.23
USGS #25				22S	38E	18 4 1 2			26-Oct-65	3,355	199.5
USGS #26				22S	38E	18 4 1 2			26-Oct-65	3,361	199.59
USGS #27				22S	38E	19 2 2 4			16-Mar-81	3,385	137.12
USGS #29				22S	38E	19 2 2 2			14-Feb-96	3,379	137.83



* = 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.

DOM = 72-12-1 Domestic One Household

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

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 - N.G. Penrose Tank Battery #1

NMOCD Ref. #1RP-1135; EPI Ref. #190027

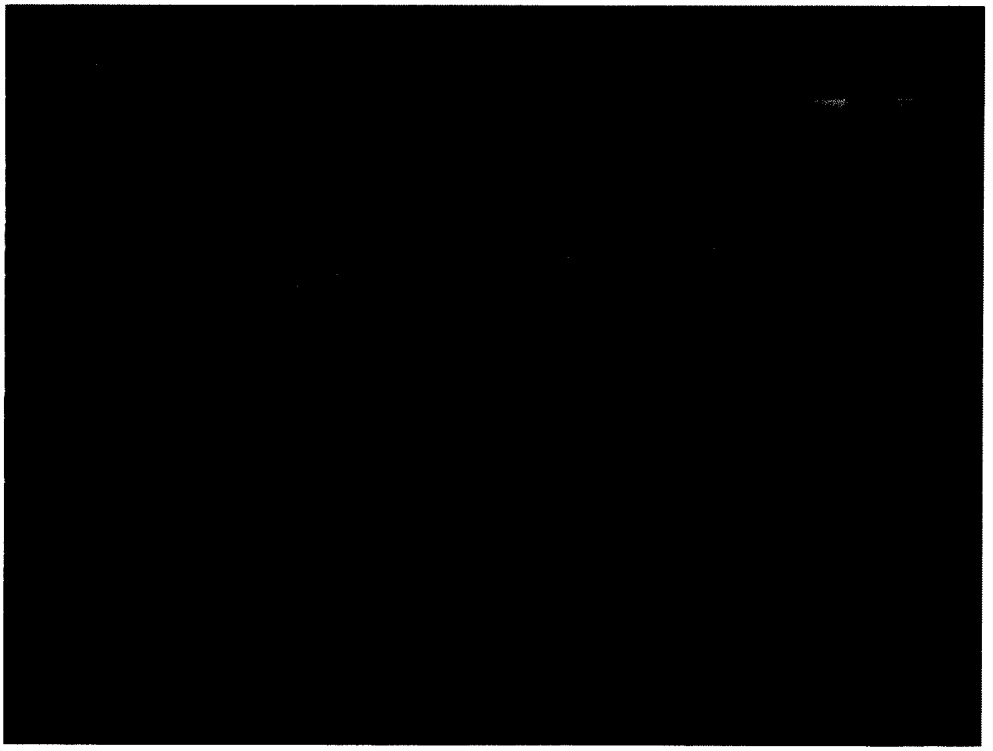
Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C12 (mg/Kg)	Carbon Ranges C12-C28 (mg/Kg)	Carbon Ranges C28-C35 (mg/Kg)	TPH (mg/Kg)	Sulfate (mg/Kg)	Chloride (mg/Kg)
SB-1	2	In situ	08-Dec-06	70	180	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	318	80
	5	In situ	08-Dec-06	20.5	180	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	46	48
	10	In situ	08-Dec-06	5.8	180	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	182	64
	15	In situ	08-Dec-06	3.4	160	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	223	16
SB-2	2	In situ	08-Dec-06	74.6	240	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	132	96
	5	In situ	08-Dec-06	3.0	160	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	33.1	<16
	10	In situ	08-Dec-06	1.6	160	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	53.2	<16
	15	In situ	08-Dec-06	0.3	160	<0.005	<0.005	<0.005	<0.015	<0.030	<10.0	<10.0	- -	<20.0	56.1	<16
NMOCD Remedial Thresholds				100		10				50				1,000	600	250

Bold values exceed NMOCD remedial threshold goals

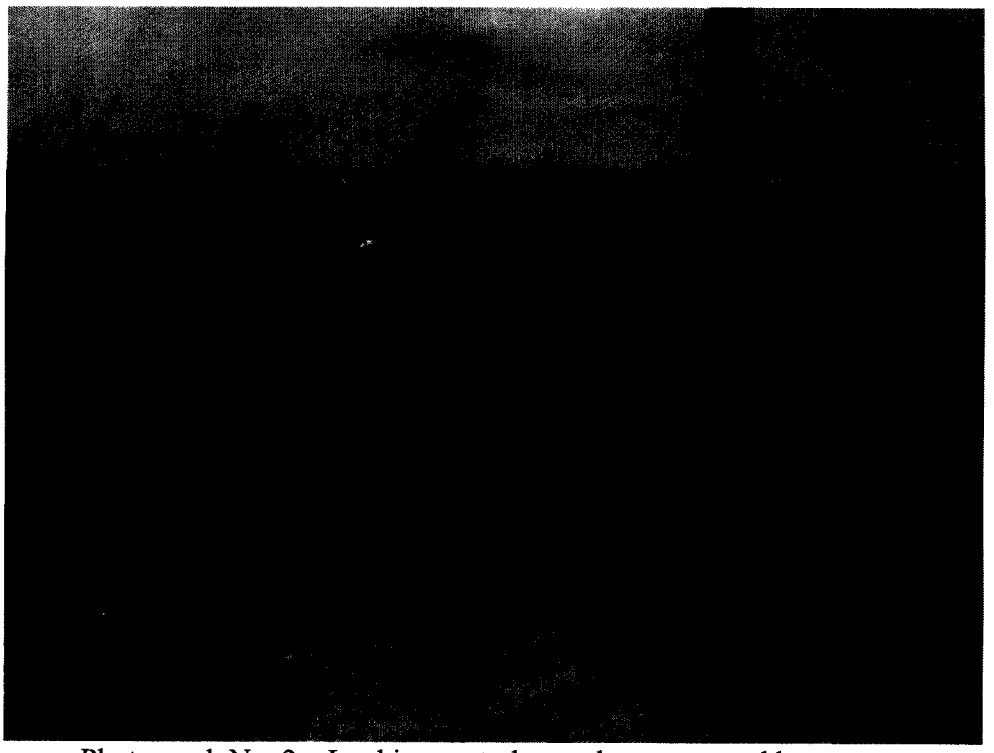
- - = Not Analyzed

ATTACHMENT I

PROJECT PHOTOGRAPHS



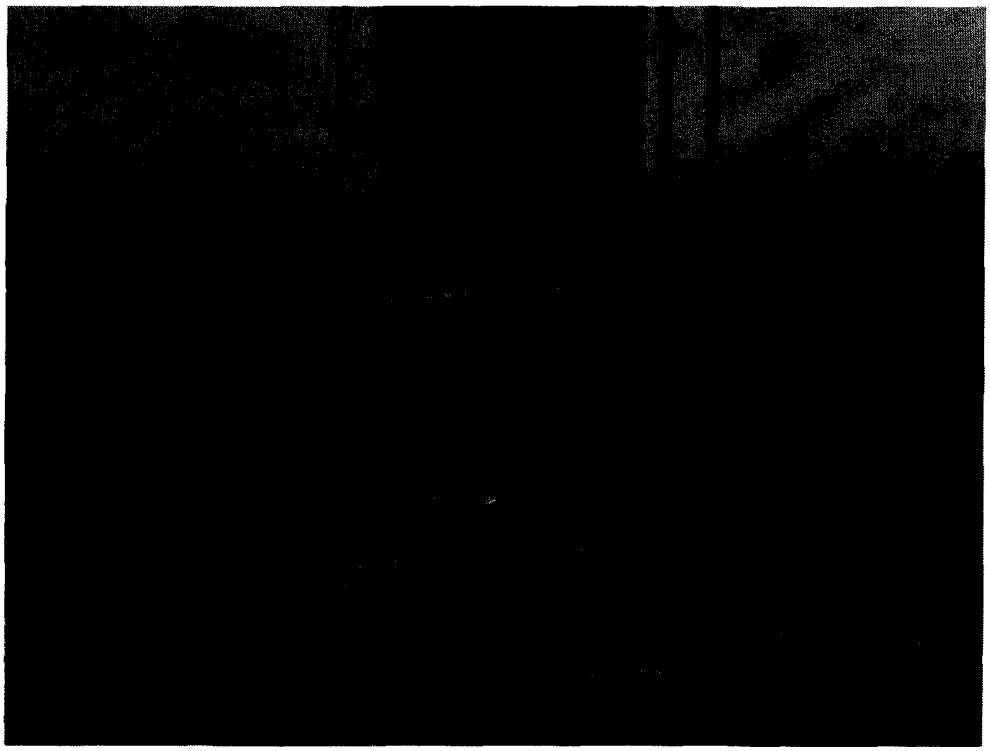
Photograph No. 1 – Lease sign



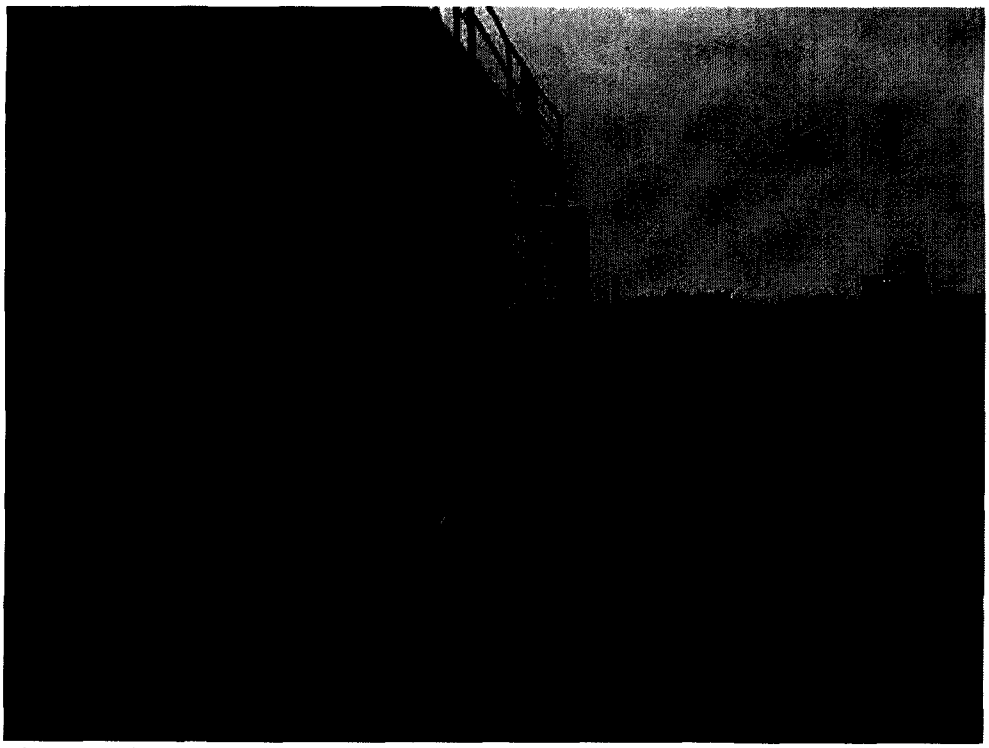
Photograph No. 2 – Looking easterly at release area and heater treater

Photograph No. 3 – Looking west at release area and reclamation activity

Photograph No. 4 – Looking westerly at release area, heater treater and tank battery



Photograph No. 5 – Looking northwesterly at release and heater treater



Photograph No. 6 – Looking easterly along tank battery and reclamation activity

ATTACHMENT II

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORM

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 12/08/06
Reporting Date: 12/08/06
Project Owner: EXXON MOBIL (190027)
Project Name: N.G. PENROSE TB # 1
Project Location: UL-G, SECT. 13, T 22 S, R 37 E

Sampling Date: 12/08/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: BC

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		12/08/06	12/08/06	12/08/06	12/08/06	12/08/06	12/08/06
H11875-1	SB-1 (2')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-2	SB-1 (5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-3	SB-1 (10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-4	SB-1 (15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-5	SB-2 (2')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-6	SB-2 (5')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-7	SB-2 (10')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
H11875-8	SB-2 (15')	<10.0	<10.0	<0.005	<0.005	<0.005	<0.015
Quality Control		777	778	0.104	0.100	0.104	0.304
True Value QC		800	800	0.100	0.100	0.100	0.300
% Recovery		97.1	97.2	104	100	104	101
Relative Percent Difference		1.9	1.3	2.6	0.7	0.7	2.0

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8260.

Burgess J. A. Cooke, Ph. D.

12/08/06
Date

H11875A

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (505) 394-2601

Receiving Date: 12/08/06
Reporting Date: 12/10/06
Project Owner: EXXON MOBIL (190027)
Project Name: N.G. PENROSE TB #1
Project Location: UL-G, SECT. 13, T 22 S, R 37 E

Sampling Date: 12/08/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl (mg/L)	SO_4 (mg/L)
ANALYSIS DATE:		12/10/06	12/10/06
H11875-1	SB-1 (2')	80	318
H11875-2	SB-1 (5')	48	46.0
H11875-3	SB-1 (10')	64	182
H11875-4	SB-1 (15')	16	223
H11875-5	SB-2 (2')	96	132
H11875-6	SB-2 (5')	< 16	33.1
H11875-7	SB-2 (10')	< 16	53.2
H11875-8	SB-2 (15')	< 16	56.1
Quality Control		470	10.14
True Value QC		500	10.00
% Recovery		94	101
Relative Percent Difference		8.2	1.4

METHODS: Cl: Std. Methods 4500-ClB; SO_4: EPA 600 375.4

Chemist

12-10-06
Date

H11875

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: Cardinal

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#	505-394-3481 / 505-394-2601
Client Company	ExxonMobil
Facility Name	N.G. Penrose TB # 1
Location	UL-G, Sect. 13, T 22 S, R 37 E
Project Reference	190027
EPI Sampler Name	George Blackburn

Bill To

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

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H11075- 1	SB-1 (2')	G	1			X					X		08-Dec-06	8:05	X	X	X	X							
- 2	SB-1 (5')	G	1			X					X		08-Dec-06	8:15	X	X	X	X							
- 3	SB-1 (10')	G	1			X					X		08-Dec-06	8:45	X	X	X	X							
- 4	SB-1 (15')	G	1			X					X		08-Dec-06	9:50	X	X	X	X							
- 5	SB-2 (2')	G	1			X					X		08-Dec-06	10:35	X	X	X	X							
- 6	SB-2 (5')	G	1			X					X		08-Dec-06	10:45	X	X	X	X							
- 7	SB-2 (10')	G	1			X					X		08-Dec-06	10:58	X	X	X	X							
- 8	SB-2 (15')	G	1			X					X		08-Dec-06	11:20	X	X	X	X							
9																									
10																									

Sampler Relinquished:	Date / Time	Received By:	E-mail results to: dduncan@envplus.net
Relinquished by:	Date: 12-8-06 Time: 2:50	Received By: (lab staff)	RUSH ORDER; E-mail results to David P. Duncan at dduncan@envplus.net or via Fax at (505) 394-2601
Delivered by:	Sample Cool & Intact (Yes) No	Checked By:	

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: 190027

Project Name: N.G. Penrose TB #1

Location: UL-G, Section 8, Township 22 South, Range 37 East

Boring Number: SB-1 | Surface Elevation: 3330-feet amsl

Start Date: 12-8-06 Time: 0730 hrs

Completion Date: 12-08-06 Time: 1005 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
0805	ss	6	Little	70	180			2' Dark Tan Sand
0815	ss	6	Little	20.5	180		5	5' Tan Sand
0845	ss	6	little	5.8	180		10	10' White sand/clay mix
0950	ss	6	little	3.4	160		15	15' Tan Sandstone
								16'End of Soil Boring
							20	
							25	
							30	

Water Level Measurements (feet)

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

Drilling Method: Auger

Backfill Method: Bentonite

Field Representative: GB

Log Of Test Borings

(NOTE - Page 1 of 1)

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

Project Number: 190027

Project Name: N.G. Penrose TB #1

Location: UL-G, Section 8, Township 22 South, Range 37 East

Boring Number: SB-2 | Surface Elevation: 3330-feet amsl

Start Date: 12-8-06 Time: 1030 hrs

Completion Date: 12-08-06 Time: 1200 hrs

Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	Chloride Analysis (mg/Kg)	U.S.C.S. Symbol	Depth (feet)	Description
1035	ss	6	Little	74.6	240			2' Dark Tan Sand
1045	ss	6	Little	3.0	160		5	5' Tan Sand
1052	ss	6	little	1.6	160		10	10' White sand/clay mix
1120	ss	6	little	.3	160		15	15' white Sandstone
								16'End of Soil Boring
							20	
							25	
							30	

Water Level Measurements (feet)

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

Drilling Method: Auger

Backfill Method: Bentonite

Field Representative: GB

ATTACHMENT IV

COPY OF INITIAL
NMOCD C-141 FORM

ExxonMobil
Information and Metrics

Incident Date: 24 October 2006	**NMOCD Notified:** 24 October 2006

Site: NG Penrose TB #1	**Assigned Site Reference :** #190027
Company: ExxonMobil	
Street Address:	
Mailing Address:	
City, State, Zip:	
Representative:	
Representative Telephone:	
Telephone:	
Fluid volume released (bbls): bbls	**Recovered (bbls):** none
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: NG Penrose TB #1	
Source of contamination: Tank Battery	
Land Owner, i.e., BLM, ST, Fee, Other:	
LSP Dimensions: Unknown	
LSP Area: ~3,400 ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: N 32° 23' 40.83"	
Longitude: W 103° 06' 54.10"	
Elevation above mean sea level: 3,337 feet	
Feet from South Section Line:	
Feet from East Section Line:	
Location- Unit or ¼¼: SW¼ of the NE¼	**Unit Letter:** G
Location- Section: 13	
Location- Township: 22 South	
Location- Range: 37 East	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to groundwater (DG): ~71 feet	
Depth of contamination (DC): unknown	
Depth to groundwater (DG – DC = DtGW): ~71 feet	

1. Groundwater	**2. Wellhead Protection Area**	**3. Distance to Surface Water Body**
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-1000 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Site Rank (1+2+3) =10+0+0=10		

Total Site Ranking Score and Acceptable Concentrations

Parameter	>19	10-19	0-9
Benzene[1]	10 ppm	10 ppm	10 ppm
BTEX[1]	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

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

RP# 1135

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

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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ExxonMobil	Contact Toni Collier
Address P.O. Box 4358, Houston, TX 77210	Telephone No. 281-654-1133
Facility Name BDT	Facility Type Tank Battery

Surface Owner Tim Kimmeran	Mineral Owner Tim Kimmeran	Lease No. (Property # 4202)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	13	22S	37E					Lea

Latitude N 32.23.677 Longitude W 103.06.768

WTR 60

NATURE OF RELEASE

Type of Release Oil and water	Volume of Release 16 Oil, 17 ~~Water~~	Volume Recovered 15 oil, 15 water
Source of Release Heater treater	Date and Hour of Occurrence 10/24/06 12:00PM	Date and Hour of Discovery Same
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Shelby Pennington	Date and Hour 10/24/06 2:51PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

2006 NOV 9 AM 10 08

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Leak on fire tube on heater treater.

Received 2006 Hobbs OCD

Describe Area Affected and Cleanup Action Taken.*
Tank battery pad and lease road affected. Vacuumed up free fluid. Contaminated soil was excavated. Delineation plan will be submitted for approval.

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: Timothy O. Cagle

Printed Name: Timothy O. Cagle

Title: Compliance Supervisor

E-mail Address: timothy.o.cagle@exxonmobil.com

Date: Phone: 281-654-1001

* Attach Additional Sheets If Necessary

OIL CONSERVATION DIVISION

Approved by District ~~Supervisor~~ ENVIRO ENGR: L JOHNSON

Approval Date: 11.29.06 Expiration Date: 12.15.06

Conditions of Approval: Attached ☐

1) HORIZONTAL & VERTICAL DELINEATION, CHLORIDE OF WTR SPILLED.
2) PLAN BASE ON 1)
3) REPORT IS DELINQUENT (14 DAY MAX)

NOTE!

SHELBY & DANIEL ON IT
DISCUSS APPROVAL 12-15-06 2:00PM