CLOSURE REPORT

NH NO. 35-1
EPI REF #160056
NMOCD 1RP#~~1346~~ 894

UL-O (SW¼ OF THE SE¼) OF SECTION 35, T 15 S, R 33 E

~ 14 MILES WEST OF LOVINGTON,

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 58' 2.28" LONGITUDE: W 103° 34' 55.20"

JUNE 2007

PREPARED BY:

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

PREPARED FOR:

Chesapeake

STANDARD OF CARE

Site Closure Report

Chesapeake Energy – NH No. 35-1

NMOCD Ref. 1RP#1346; EPI Ref. #160056

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February, 1993) and Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan*. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were derived using currently accepted geologic, hydro-geologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered professional with a background in engineering, environmental and/or natural sciences.

Prepared by:

Daniel Dominguez
Environmental Consultant

6/19/07
Date

Reviewed by:

David P. Duncan
Civil Engineer

6/19/07
Date

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PROJECT SYNOPSIS

Site Specific:

- ***Company Name:*** Chesapeake Operating, Inc.
- ***Facility Name:*** NH No. 35-1
- ***Project Reference:*** NMOCD 1RP#1346; EPI Ref. #160056
- ***Company Contact(s):*** Bradley Blevins
- ***Site Location:*** WGS84 N32° 58' 2.28"; W 103° 34' 55.20"
- ***Legal Description:*** Unit Letter-O (SW¼ of the SE¼), Section 35, T 15 S, R 33 E
- ***General Description:*** Approximately 14-miles west of Lovington, New Mexico
- ***Elevation:*** ~4,145-ft amsl
- ***Land Ownership:*** Dan Field
- ***EPI Personnel:*** Project Consultant – David P. Duncan
  Site Foremen – Kirt Tyree

Release Specific:

- ***Product Released:*** Crude oil
- ***Volume Released:*** 135 bbls
- ***Volume Recovered:*** 0 bbls
- ***Time of Occurrence:*** May 16, 2006 @ 23:30 hrs
- ***Time of Discovery:*** May 17, 2006
- ***Release Source:*** Tank Battery
- ***Initial Surface Area Affected:*** Surface Area ~ 3,600 ft^2

Remediation Specific:

- ***Final Vertical extent of contaminates:*** ~ 6-feet bgs
- ***Water wells within 1,000-ft:*** One (1)
- ***Private domestic water sources within 200-ft:*** None
- ***Depth to Ground Water:*** ~ 88-ft bgs
- ***Surface water bodies within 1,000-ft:*** None
- ***NMOCD Site Ranking Index:*** Thirty (30) points
- ***Remedial goals for Soil:*** TPH – 100 mg/Kg; BTEX – 50 mg/Kg; Benzene – 10 mg/Kg
- ***RCRA Waste Classification:*** Exempt
- ***Remediation Option Proposed:*** a) Excavated soil impacted above NMOCD Remedial Threshold Goals were disposed at Artesia Aeration, L.L.C.; b) laboratory analysis confirmed removal of soil impacted above NMOCD Remedial Threshold goals in sidewalls and bottom of excavation; c) backfilled excavated area with caliche overlain with topsoil in select areas; d) release site graded for natural drainage of the area; and e) selected remedial areas seeded with a blend suitable to the landowner.
- ***Treatment/Disposal Facility:*** Artesia Aeration, L.L.C., Hobbs, Lea County, New Mexico
- ***Volume disposed:*** Approximately 2,972-yds^3
- ***Project Completion Date:*** July 31, 2006

2.0 SITE AND RELEASE INFORMATION

2.1 Describe the land use and pertinent geographic features within 1,000 feet of the site.

Surface rights for the land surrounding the release site are owned by Mr. Dan Field. The area is an established oil field with pump jacks, tank batteries, pipelines, lease roads and other petroleum related facilities. The surrounding terrain is rangeland used for livestock grazing.

2.2 Identify and describe the source or suspected source(s) of the release.

Release is attributed to a cow kicking open a valve on a tank battery.

2.3 What was the volume of the release? (if known): ~135 bbls

2.4 What was the volume recovered? (if known): 0 bbls

2.5 When did the release occur? (if known): May 16, 2006 @ 23:30 hrs

2.6 Geological Description

The United States Geological Survey (USGS) Ground-Water Report 6, "Geology and Ground-Water Conditions in Southern Lea County, New Mexico," A. Nicholson and A. Clebsch, 1961, describes the near surface geology of southern Lea County as "an inter-grade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand, with the mostly eroded Cenozoic Ogallala (CO) formation). Typically, the QA and CO formations in the area are capped by a thick inter-bed of caliche and generally overlain by sandy soil." The release site is located in the High Plains physiographic subdivision, described by Nicholson & Clebsch as "a flat, gently sloping plain, treeless and marred only by slight undulations and covered with short prairie grass."

2.7 Ecological Description

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of sandy soil covered with short semi-arid grasses, interspersed with Honey Mesquite and forbs. Mammals represented, include Orrd's and Merriam's Kangaroo Rats, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit, Mule Deer, Bobcat, Red Fox and Coyote. Reptiles, amphibians, and birds are numerous and typical of the area. A survey of Listed, Threatened or Endangered species was not conducted.

2.8 Area Groundwater

Information obtained from the New Mexico Office of the State Engineer's website and United States Geological Survey (USGS) database indicate groundwater in the unconfined aquifer at this site was projected to be ~88-ft bgs (reference *Table 1*).

2.9 Area Water Wells

One (1) water supply well exists within 1,000 feet of the release site (reference *Figure 2* and *Table 1*)

2.10 Area Surface Water Features

No surface water features exist within 1,000 feet of the release site (reference *Figure 2)*

3.0 NMOCD SITE RANKING

Contaminant delineation and remedial work done at this site indicate chemical parameters of the soil and physical parameters of the groundwater were consistent with the characterization and remediation/abatement goals and objectives set forth in the following New Mexico Oil Conservation Division (NMOCD) publications:

- ***Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)***
- ***Unlined Surface Impoundment Closure Guidelines (February, 1993)***
- ***Pit and Below-Grade Tank Guidelines (November, 2004)***

Acceptable thresholds for contaminants/constituents of concern (CoC) were determined based on the NMOCD Ranking Criteria as follows:

- *Depth to Groundwater (i.e., distance from the lower most acceptable concentration to groundwater);*
- *Wellhead Protection Area (i.e., distance from fresh water supply wells);*
- *Distance to Surface Water Body (i.e., horizontal distance to all down gradient surface water bodies).*

Based on the proximity of the site to protectable area water wells, surface water bodies and depth to groundwater from the lower most contamination, the NMOCD ranking score for the site is Thirty (30) points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. GROUNDWATER	2. WELLHEAD PROTECTION AREA	3. DISTANCE TO SURFACE WATER
Depth to GW <50 feet: *20 points*	**If <1,000' from water source, or <200' from private domestic water source: *20 points***	**<200 horizontal feet: *20 points***
Depth to GW 50 to 99 feet: *10 points*		**200-1,000 horizontal feet: *10 points***
Depth to GW >100 feet: *0 points*	**If >1,000' from water source, or >200' from private domestic water source: *0 points***	**>1,000 horizontal feet: *0 points***
Site Rank (1+2+3) = 10 + 20 + 0 = 30 points		

Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Site Rank	**20 or >**	**10**	**0**
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] A field soil vapor headspace measurement of 100 ppm can be substituted in lieu of laboratory analyses for benzene and BTEX.

4.0 EXCAVATED SOIL INFORMATION

4.1 ***Was soil excavated for off-site treatment or disposal?*** ☒ *Yes* ☐ *No*

Date excavated: May 19 through June 20, 2006

Total volume removed: 2,972- yds^3

4.2 ***Indicated soil treatment type:***

☒ ***Disposal***
☐ ***Land Treatment***
☐ ***Composting/Biopiling***
☐ ***Other*** ( )

Name and location of treatment/disposal facility:
Artesia Aeration, L.L.C., Lea County, New Mexico

5.0 SAMPLING INFORMATION

5.1 Briefly describe the field screening methods used to distinguish contaminated from uncontaminated soil.

Organic Vapor Concentrations – A portion of each soil sample was inserted into a self-sealing polyethylene bag to allow for volatilization of organic vapors. After allowed to equilibrate to ~70° F, the soil sample was analyzed for organic vapor concentrations utilizing a MiniRae® Photo-ionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp and calibrated for benzene vapors.

Chloride Concentrations – A LaMotte Chloride Test Kit (Titration Method) was used for analyses of chloride concentrations.

5.2 Briefly describe the soil analytical sampling and handling procedures used.

Soil samples collected from the release area were analyzed in the field for organic vapor and chloride concentrations. Soil samples with elevated organic vapor and chloride concentrations were selected for laboratory analytical analyses. Selected soil samples collected from these sample points were immediately labeled, put into laboratory containers and placed on ice for transported to an independent laboratory under standard Chain-of-Custody (CoC) protocol. The soil samples were analyzed for gasoline and diesel range organics (TPH); benzene, toluene, ethylbenzene and total xylenes (BTEX constituents); sulfate and chloride concentrations.

5.3 Discuss sample locations and provide rationale for their locations.

On May 25, 2006 eleven (11) soil samples were collected during excavation activities from the release area bottom and sidewalls (reference *Figure 4* for location). Soil samples were collected to determine extent of vertical and horizontal soil contamination remaining in situ.

On June 20 and 29, 2006 a total of twelve (12) soil samples were collected during excavation activities from the release area bottom and sidewalls (reference *Figure 5* for location). Soil samples were collected to determine extent of horizontal soil contamination remaining in situ.

6.0 ANALYTICAL RESULTS

6.1 Describe the vertical and horizontal extent and magnitude of soil contamination.

Laboratory analytical data for the soil samples collected May 25, 2006 indicated TPH constituent concentrations ranged from ND to 1,520 mg/Kg (BH-2 @ 6-ft bgs and SW-1 @ 3-ft bgs). BTEX constituent concentrations ranged from ND to 2.01 mg/Kg (BH-2 @ 6-ft bgs and SW-1 @ 3-ft bgs). Chloride concentrations ranged from 26.7 mg/Kg to 685 mg/Kg (BH-6 @ 4-ft bgs and SW-6 @ 4-ft bgs). Sulfate concentrations ranged from 29.5 mg/Kg to 105 mg/Kg (SW-2 @ 3-ft bgs and SW-7 @ 4-ft bgs) (reference *Table 2* and *Figure 4*).

Laboratory analytical data for the soil samples collected June 20 and 29, 2006 indicated TPH constituent concentrations ranged from ND to 42.3 mg/Kg (BH-1 @ 7-ft bgs and SW-2 @ 3-ft bgs). BTEX constituent concentrations were ND at or above Laboratory MDL. Due to chloride and sulfate concentrations being below Remedial Threshold Goals of 250 mg/Kg and 600 mg/Kg respectively from soil samples collected on May 25, 2006, no laboratory analyses were performed for these constituents (reference *Table 2* and *Figure 5*).

6.2 Is surface soil contamination present at the site (i.e., soil in the uppermost two feet that is visibly stained, contaminated at greater than 10 ppm (PID) or hydrocarbon saturated)?

☐ *yes* ☒ *no*

If yes, attach a site map identifying extent(s) of surface soil contamination

7. 0 DISCUSSION

7.1 ***Discuss the risks associated with the remaining soil contamination:***

Based on laboratory analytical data for soil samples collected indicating chloride and sulfate concentrations below remedial threshold goals and depth to groundwater (~88-ft bgs), chloride and sulfate residual concentrations remaining in-situ should not be capable of impacting groundwater above NMWQCC Groundwater Standards of 250 mg/L and 600 mg/L, respectively.

Note: Soil sample collected from SW-6 @ 4-ft bgs indicated a chloride concentration of 685 mg/Kg. However, comparison of laboratory results from soil samples collected near the vicinity indicated the chloride concentration to be an anomaly. The sidewall in which this soil sample was collected was excavated to ensure removal of in situ chlorides.

7.2 ***Discuss the risks associated with the impacted groundwater:*** Not Applicable

7.3 ***Discuss other concerns not mentioned above:*** Not Applicable

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 ***Recommendation for the site:***

- ☒ ***Site Closure***
- ☐ ***Additional Groundwater Monitoring***
- ☐ ***Corrective Action***

8.2 ***Base the recommendation above on Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993). Describe below how you applied the policy to support your recommendation. If closure is recommended, please summarize significant site investigative events and describe how site specific risk issues have been adequately addressed or minimized to acceptable low risk levels.***

From May 19 through June 22, 2006 approximately 2,972-yds^3 of impacted soil were excavated and transported with disposal at Artesia Aeration, L.L.C. Laboratory analysis confirmed removal of soil impacted above NMOCD Remedial Threshold goals in sidewalls and bottom of the excavations. A review of Table 2, *Summary of Soil Sample Analytical Results*, indicated chloride and sulfate concentrations below NMOCD Remedial Threshold goals. Based on this data and with knowledge of depth to groundwater (~88-ft bgs), chloride and sulfate residual concentrations remaining in situ should not be capable of impacting groundwater above NMWQCC Groundwater Standards of 250 mg/L and 600 mg/L, respectively.

From May 19 to July 5, 2006 approximately 1,960 cubic yards of caliche plus 392 cubic yards of topsoil were transported from local pits to the excavation site. This material was stockpiled on the job site in preparation for backfill operations. After cleaning and leveling the excavation bottom, EPI backfilled some areas with caliche to top of existing pad. Selected areas were backfilled with caliche to within two (2) feet of original ground. The remainder of the excavation was backfilled with clean top soil. The entire area was contoured to allow natural drainage. Selected remedial areas have been seeded with a grass blend approved by the land owner.

8.3 ***If additional groundwater and monitoring is recommended, indicate the proposed monitoring schedule and frequency. Conduct quarterly monitoring until the NMOCD responds to this report.*** Not Applicable

8.4 ***If corrective action is recommended, provide a conceptual approach.***
Not Applicable

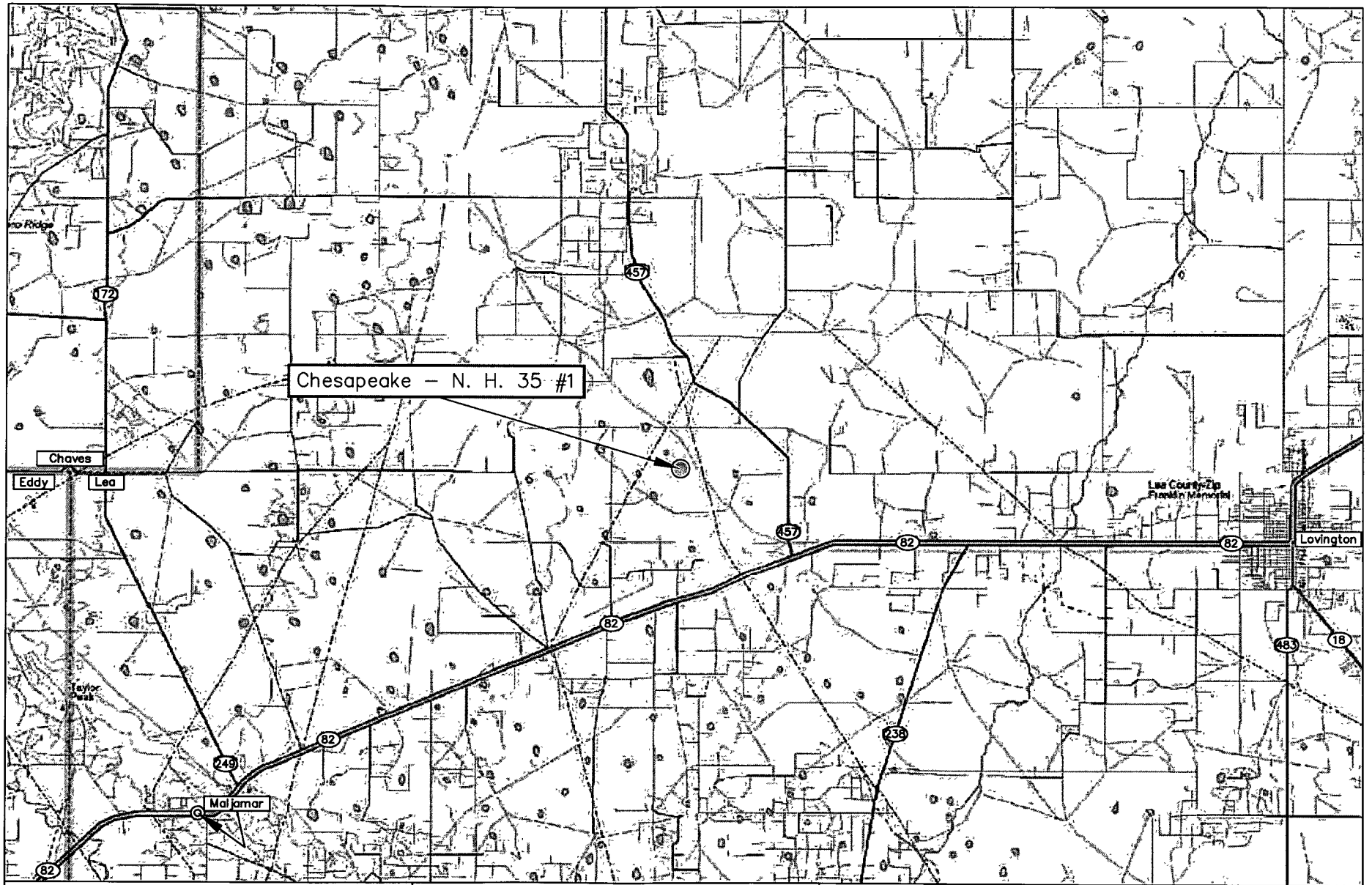

Figure 1
Area Map
Chesapeake Energy
N. H. 35 #1

Lea County, New Mexico
SW 1/4 of the SE 1/4, Sec. 35, T15S, R33E
N 32° 58' 2.28" W 103° 34' 55.20"
Elevation: 4,145 feet amsl

DWG By: Daniel Dominguez
May 2006

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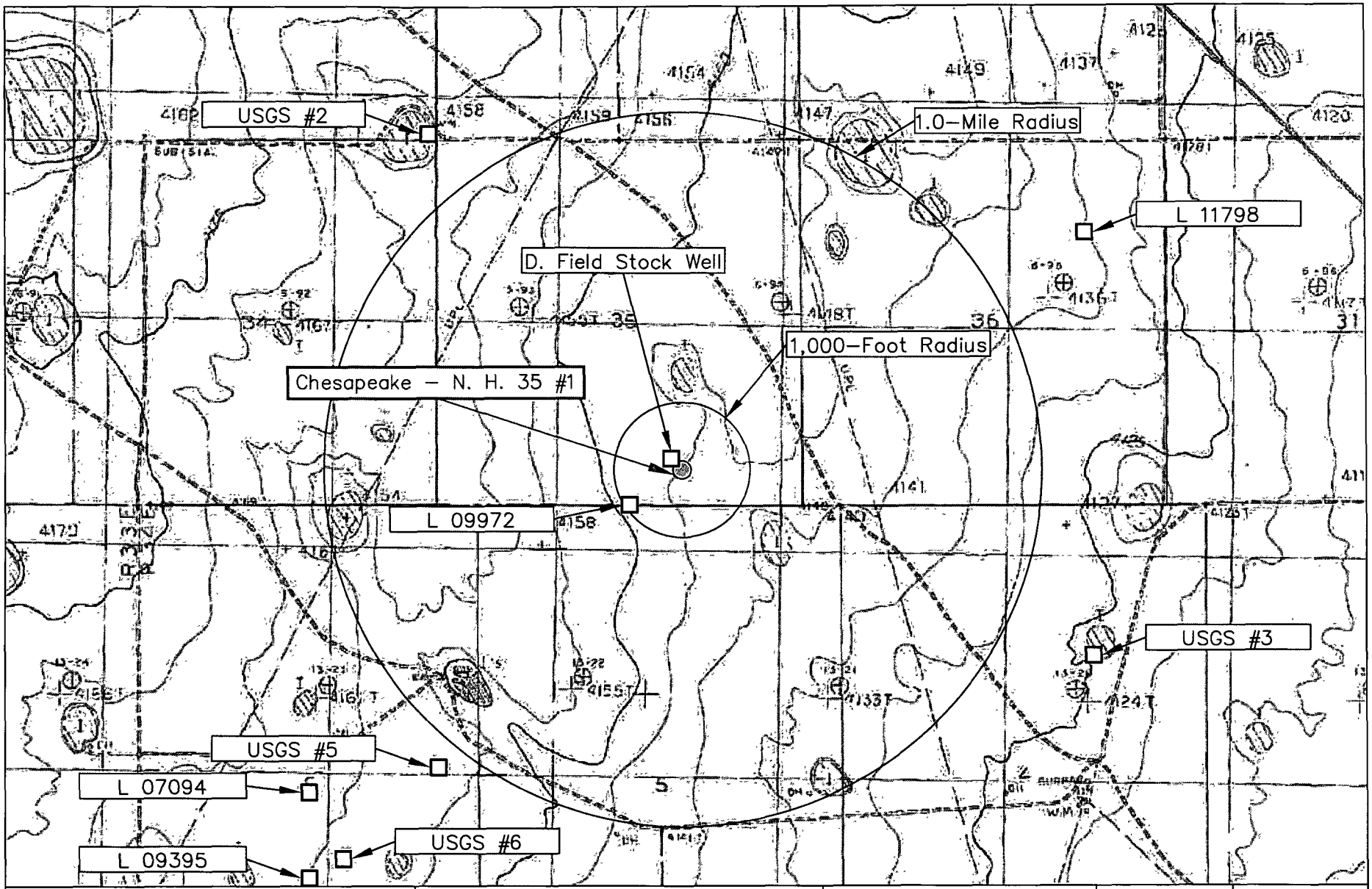

Figure 2
Site Location Map
Chesapeake Energy
N. H. 35 #1

Lea County, New Mexico
SW 1/4 of the SE 1/4, Sec. 35, T15S, R33E
N 32° 58' 2.28" W 103° 34' 55.20"
Elevation: 4,145 feet amsl

DWG By: Daniel Dominguez
May 2006

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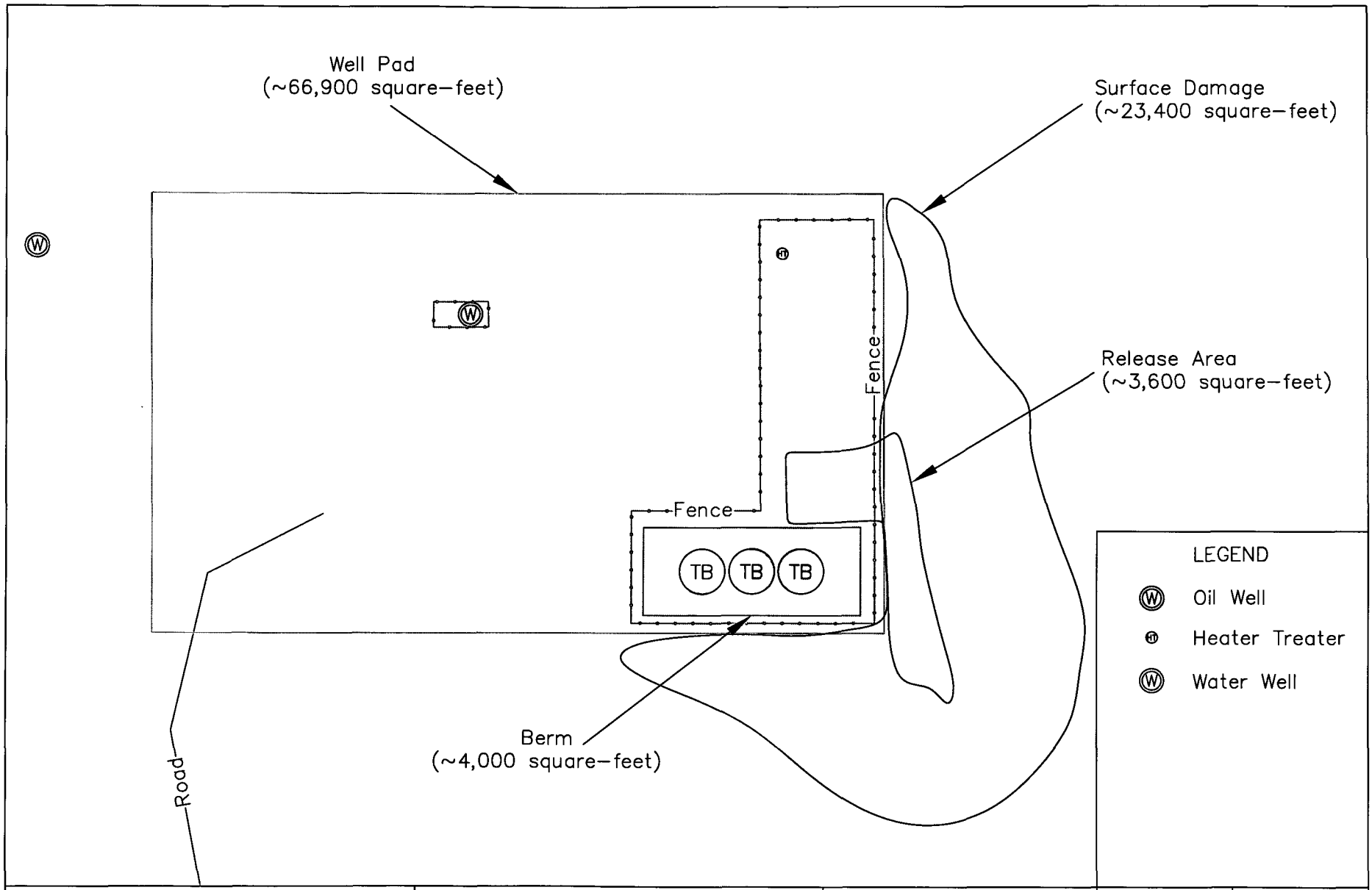

Figure 3 Site Map Chesapeake Energy N. H. 35 #1	Lea County, New Mexico SW 1/4 of the SE 1/4, Sec. 35, T15S, R33E N 32° 58' 2.28" W 103° 34' 55.20" Elevation: 4,145 feet amsl	DWG By: Daniel Dominguez July 2006 0 60 120 Feet	REVISED: SHEET 1 of 1	N

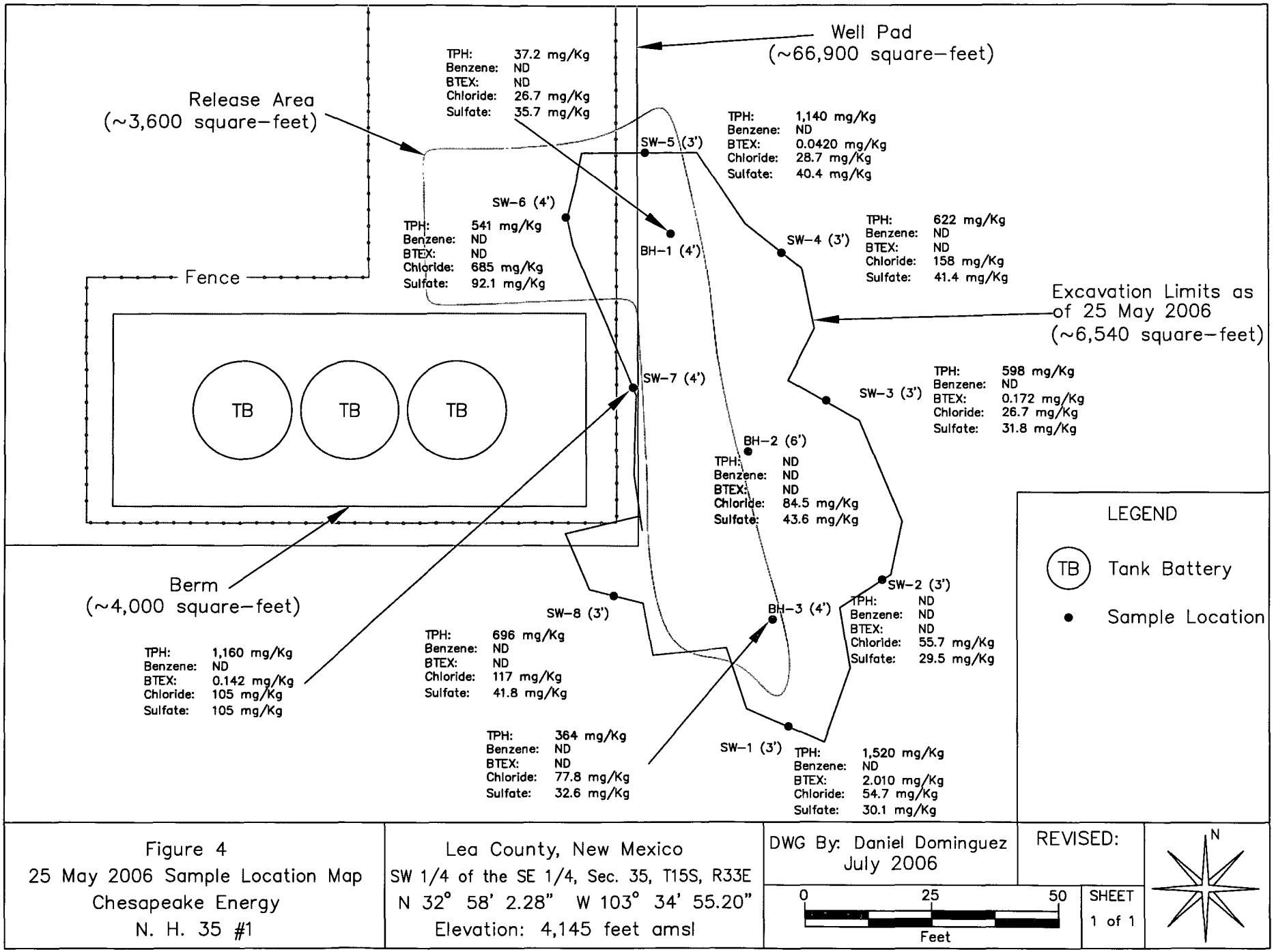

Figure 4
25 May 2006 Sample Location Map
Chesapeake Energy
N. H. 35 #1

Lea County, New Mexico
SW 1/4 of the SE 1/4, Sec. 35, T15S, R33E
N 32° 58' 2.28" W 103° 34' 55.20"
Elevation: 4,145 feet amsl

DWG By: Daniel Dominguez
July 2006

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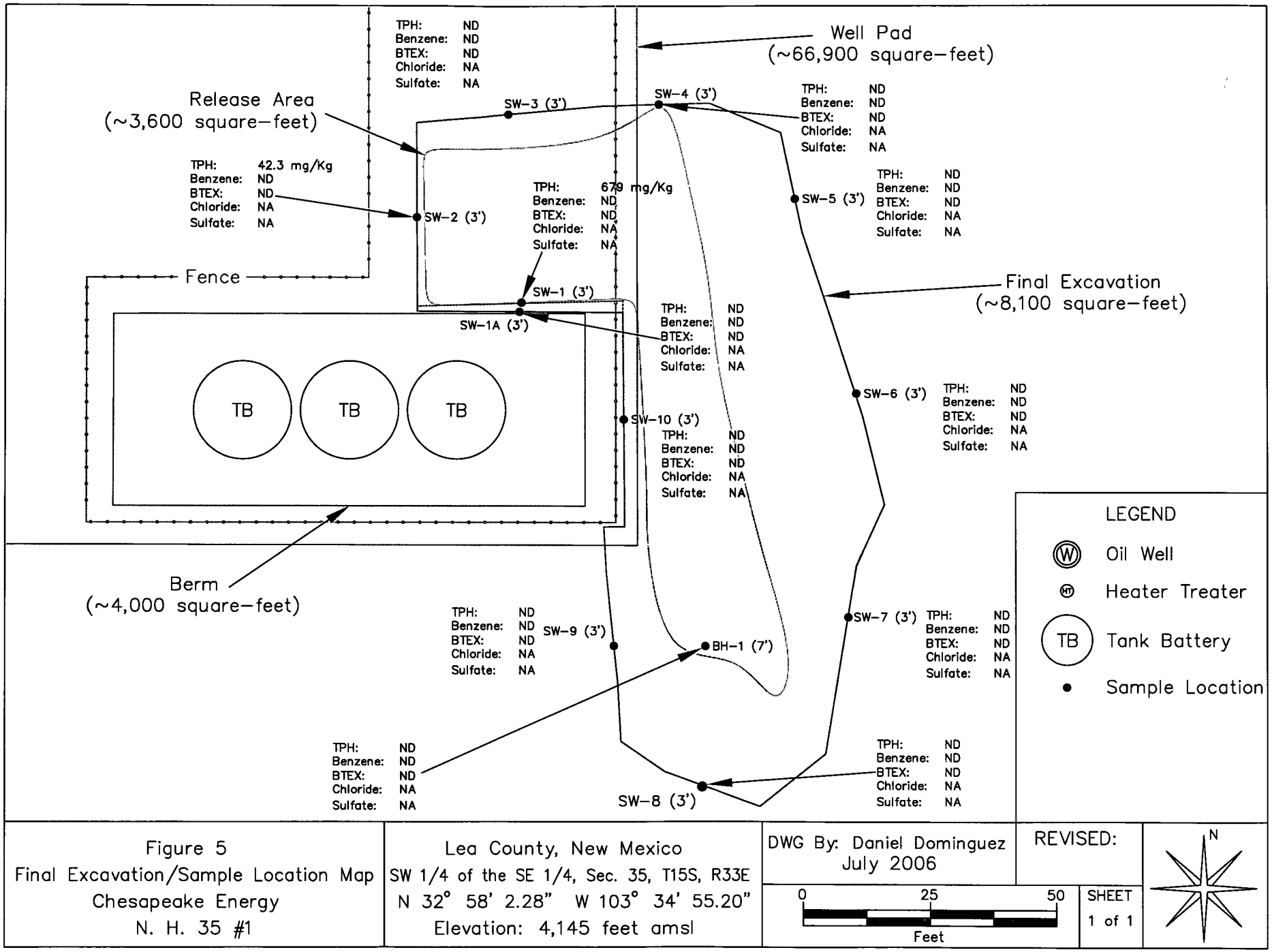


Figure 5 Final Excavation/Sample Location Map Chesapeake Energy N. H. 35 #1	Lea County, New Mexico SW 1/4 of the SE 1/4, Sec. 35, T15S, R33E N 32° 58' 2.28" W 103° 34' 55.20" Elevation: 4,145 feet amsl	DWG By: Daniel Dominguez July 2006 0 25 50 Feet	REVISED: SHEET 1 of 1 N

TABLE 1

Well Data

Chesapeake Energy - N. H. 35 #1 (Ref. # 160056)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
L 09972	0	SANTA FE ENERGY OPERATING	PRO	15S	33E	35 4 3 3	N32° 57' 57.21"	W103° 35' 4.17"	18-Dec-87	4,154	88
L 11798	3	BRANCH RANCH	STK	15S	33E	36 2 2 2	N32° 58' 36.40"	W103° 33' 46.39"		4,140	
L 07094	0	CONCHO RESOURCES	PRO	16S	34E	6 2 1 3	N32° 57' 16.10"	W103° 35' 59.36"		4,167	
L 09395	3	DAISY C. CLAYTON	STK	16S	34E	6 2	N32° 57' 3.05"	W103° 35' 59.37"	15-Feb-84	4,163	115
USGS #2				15S	33E	27 4 4 4			23-Jan-81	4,163	99.07
USGS #3				16S	34E	4 2 3 2			20-Feb-96	4,129	88.56
USGS #5				16S	34E	6 2 4 4			01-Apr-81	4,160	105.62
USGS #6				16S	34E	6 4 1 3			01-Apr-81	4,163	112.23
L 09919 EXP	0	WEK	PRO	15S	33E	26 1	N32° 59' 15.51"	W103° 35' 35.26"		4,177	
L 04566	0	CITY OF CARLSBAD	COM	16S	34E	5	N32° 56' 37.07"	W103° 35' 28.32"		4,150	
L 09973	0	SANTA FE ENEGRY	PRO	16S	34E	5 4 3	N32° 56' 37.23"	W103° 34' 57.32"	21-Jan-88	4,140	135
L 05534	1372	CITY OF CARLSBAD	IND	16S	34E	6	N32° 56' 36.83"	W103° 36' 27.34"		4,167	
L 07094 (E)	0	MORANCO	PRO	16S	34E	6	N32° 56' 36.83"	W103° 36' 27.34"	15-Jul-73	4,167	148
L 07519	0	MARK PRODUCTION CO	PRO	16S	34E	6 3 3 3	N32° 56' 36.83"	W103° 36' 27.34"	03-Feb-77	4,167	128
L 08444 EXP	0	DAISY (TCH RANCH, INC CLAYTON	STK	16S	34E	6 4 1	N32° 56' 50.00"	W103° 35' 59.38"		4,163	
L 10190 EXP	0	KAISER-FRANCIS OIL	PRO	16S	34E	6 4 4	N32° 56' 37.01"	W103° 35' 43.85"	31-May-91	4,157	80
USGS #1				15S	33E	25 2 3 2			02-Jan-96	4,140	82.56
USGS #4				16S	34E	4 4 3 4			09-Apr-91	4,121	89.86

[A] = In acre feet per annum

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

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

COM = Commercial

STK = 72-12-1 Livestock watering

IND = Industrial

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

Shaded area indicates wells not shown in Figure 2

TABLE 2

Summary of Excavation Soil Sample Analytical Results

Chesapeake - NH 35 #1 (Ref. #160056)

Soil Sample I.D.	Depth (feet)	Sample Date	Soil Status	PID Reading (ppm)	Field Chloride Analysis (ppm)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (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)	Sulfate (mg/Kg)
BH-1 (4')	4	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	37.2	<10.0	37.2	26.7	35.7
BH-2 (6')	6	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	84.5	43.6
BH-3 (4')	4	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	61.3	290	12.2	**364**	77.8	32.6
SW-1 (3')	3	25-May-06	*Excavated*	--	--	<0.0250	0.0984	0.361	1.55	2.01	222	1,210	86.0	**1,520**	54.7	30.1
SW-2 (3')	3	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	55.7	29.5
SW-3 (2')	2	25-May-06	*Excavated*	--	--	0.0116 [A]	0.393	0.0290	0.103	0.525	40.5	512	45.4	**598**	26.7	31.8
SW-4 (3')	3	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	69.6	515	37.1	**622**	158	41.4
SW-5 (3')	3	25-May-06	*Excavated*	--	--	<0.0250	0.0132 [A]	0.0165 [A]	0.0420	0.0420	89.4	955	90.7	**1,140**	28.7	40.4
SW-6 (4')	4	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	42.2	472	26.8	**541**	**685**	92.1
SW-7 (4')	4	25-May-06	*Excavated*	--	--	<0.0250	0.0430	0.0346	0.0640	0.142	24.7	1,030	103	**1,160**	105	105
SW-8 (3')	3	25-May-06	*Excavated*	--	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	42.5	609	44.6	**696**	117	41.8
BH-1 (7')	7	20-Jun-06	*In Situ*	2.5	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-1 (3')	3	20-Jun-06	*Excavated*	18.8	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	7.27 [J]	601	68.1	**679**	--	--
SW-1A (3')	3	29-Jun-06	*In Situ*	1.5	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-2 (3')	3	20-Jun-06	*In Situ*	4.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	42.3	<10.0	42.3	--	--
SW-3 (2')	2	20-Jun-06	*In Situ*	4.6	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-4 (3')	3	20-Jun-06	*In Situ*	8.4	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-5 (3')	3	20-Jun-06	*In Situ*	5.9	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-6 (3')	3	20-Jun-06	*In Situ*	7.1	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-7 (3')	3	20-Jun-06	*In Situ*	6.1	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-8 (3')	3	20-Jun-06	*In Situ*	5.0	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-9 (3')	3	20-Jun-06	*In Situ*	2.7	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
SW-10 (3')	3	20-Jun-06	*In Situ*	5.2	--	<0.0250	<0.0250	<0.0250	<0.050	<0.125	<10.0	<10.0	<10.0	<10.0	--	--
NMOCD Remedial Thresholds				**100**		**10**				**50**				**100**	**250 [A]**	**600 [A]**

Bolded *values are in excess of the NMOCD Remediation Thresholds and/or NMWQCC groundwater standards*

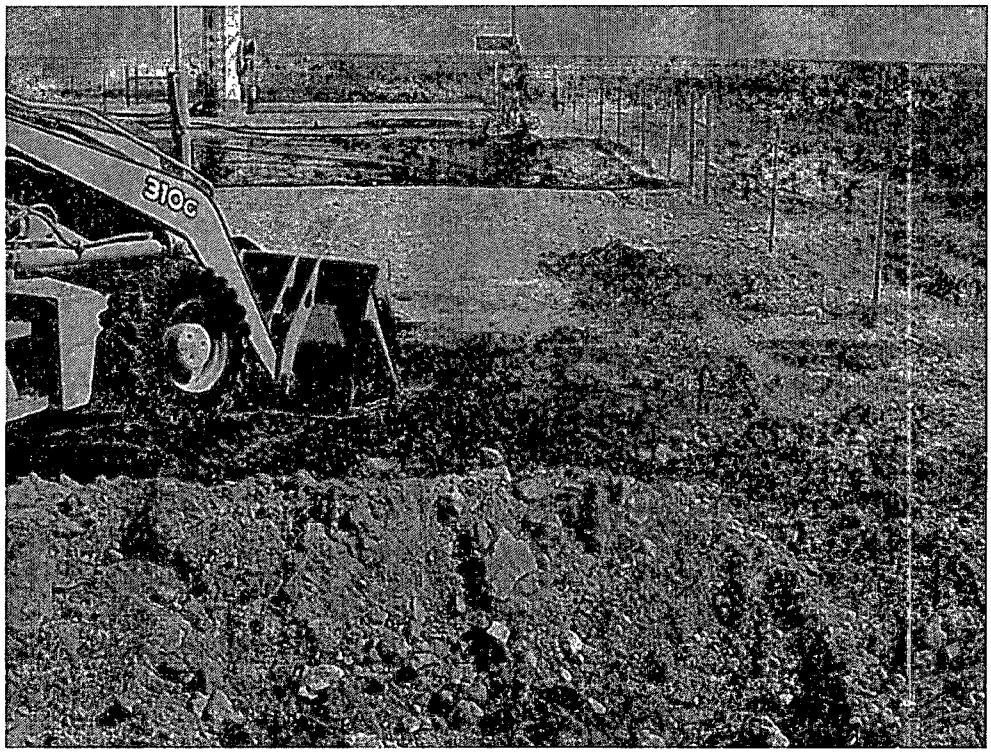
-- = Not Analyzed

[J] *Detected below laboratory method detection limits, therefore an estimate*

[A] *Chloride and sulfate residuals may not be capable of impacting groundwater above NMWQCC Groundwater Standards of 250 mg/Kg and 600 mg/Kg, respectively*

Photograph #1 – Lease sign.

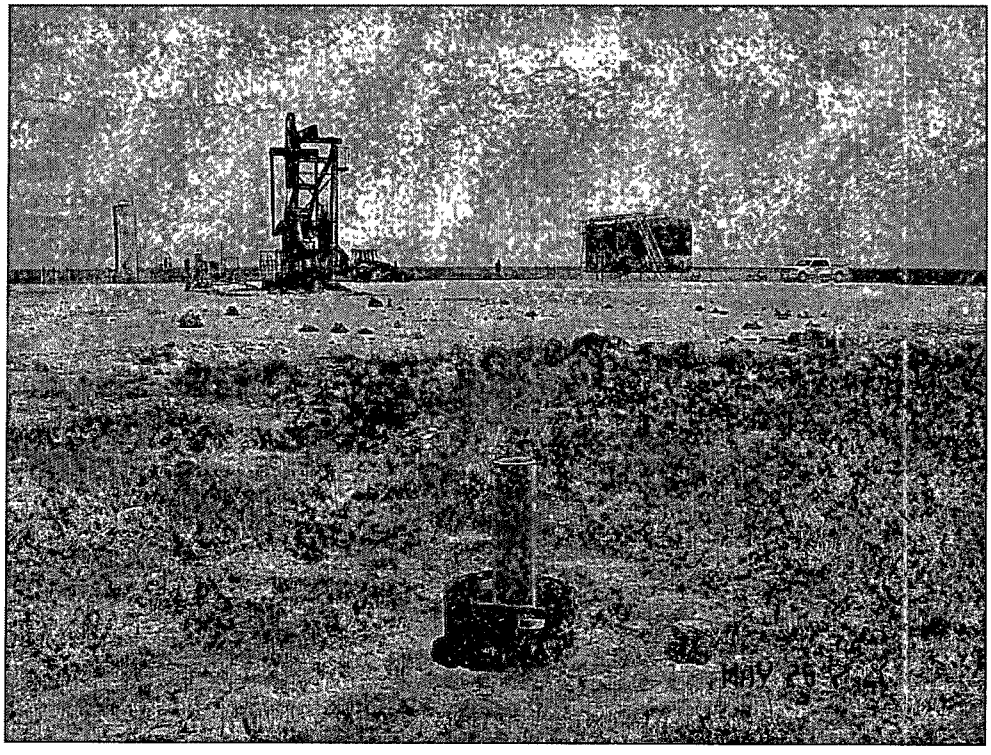
Photograph #2 – Release site.



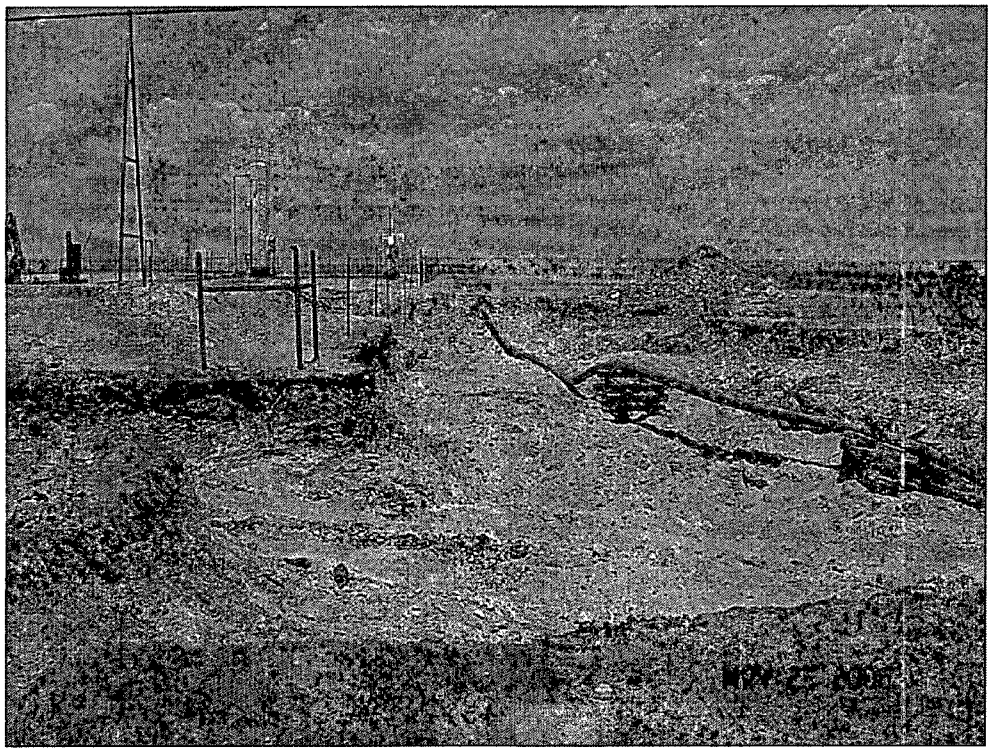
Photograph #3 - Looking north at release area

Photograph #4 - Looking east at release area and remediation activities

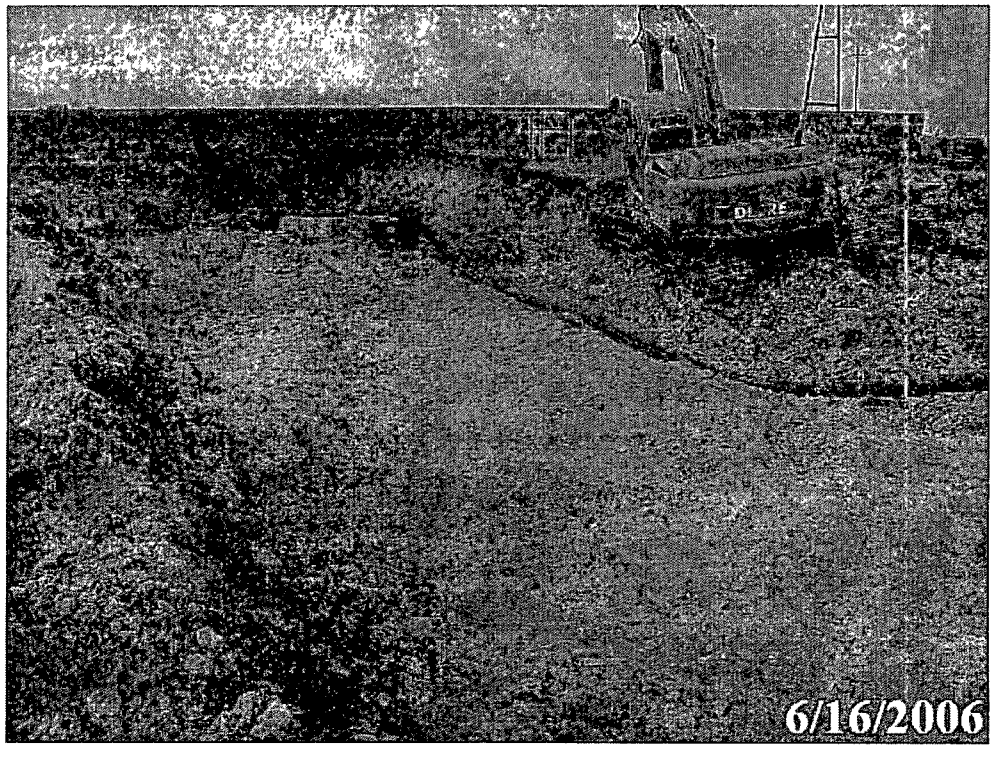
Photograph #5 – Looking west at impacted soil



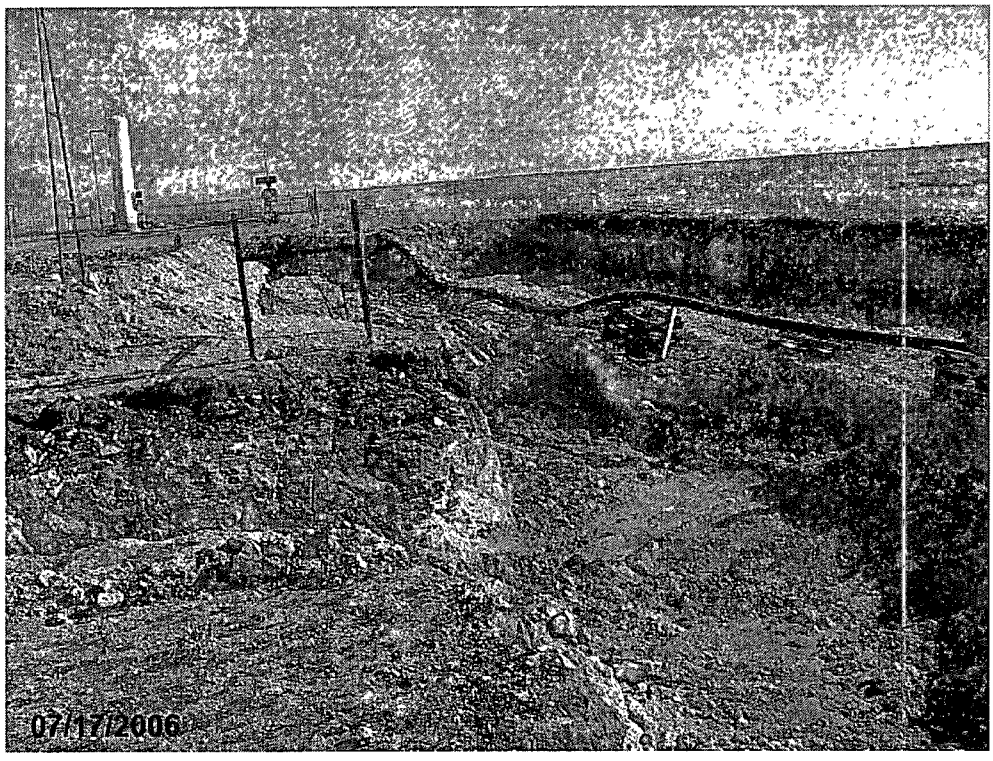
Photograph #6 – Looking east at water well



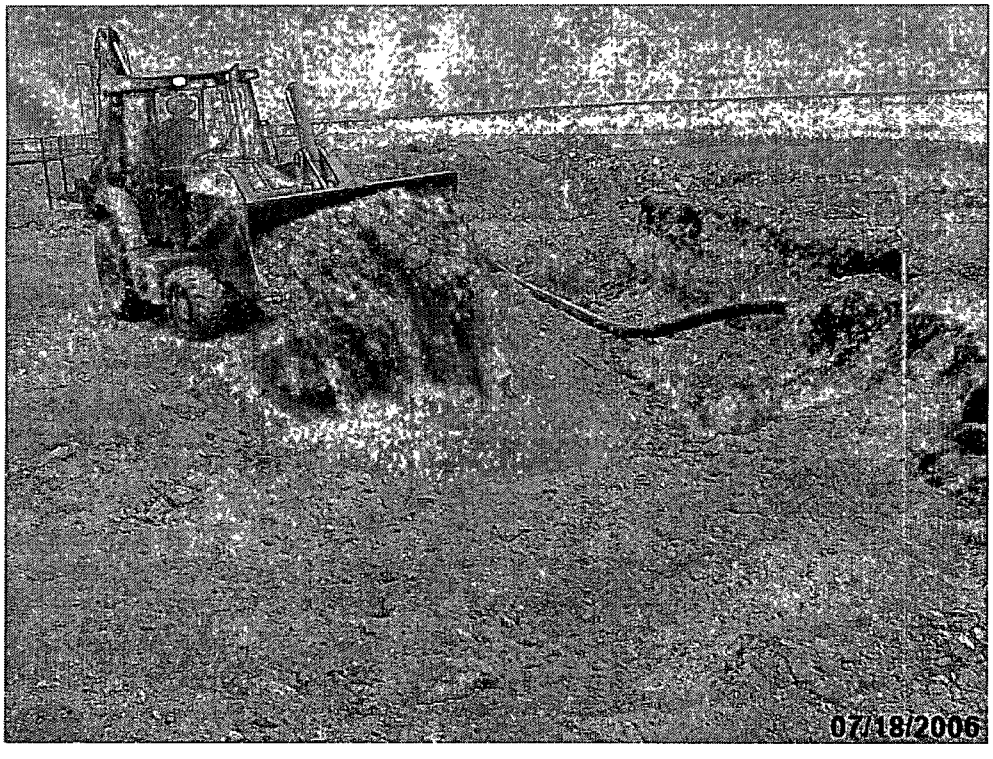
Photograph #7 – Looking north at excavation



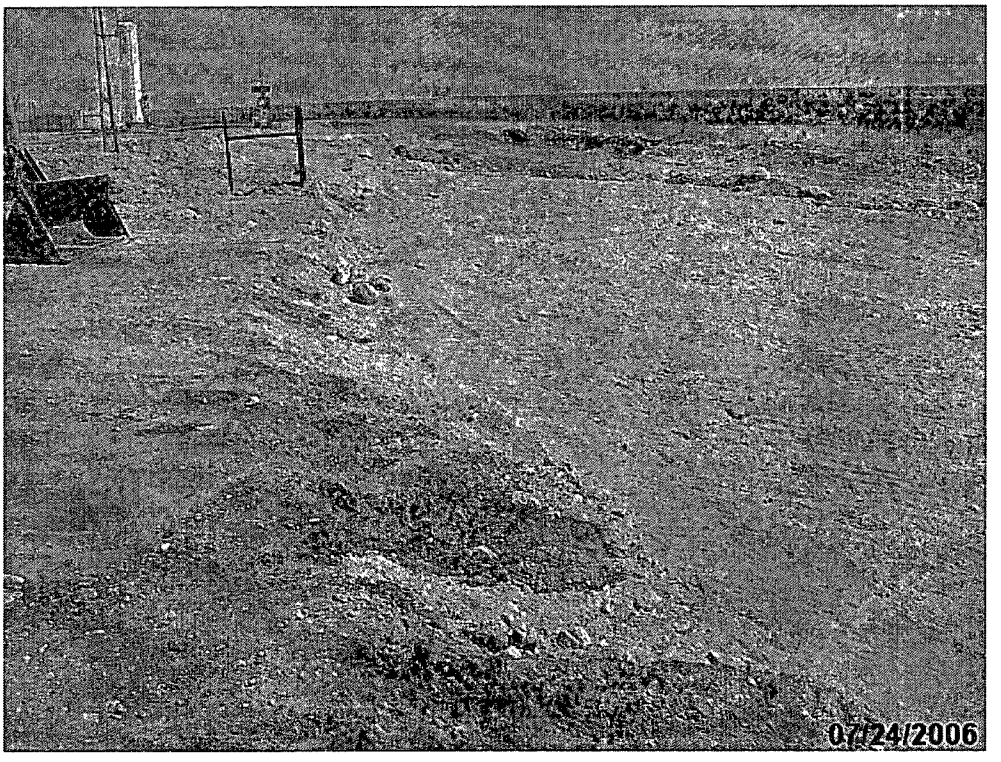
Photograph #8 – Looking south at excavation



Photograph #9 – Looking north at excavation

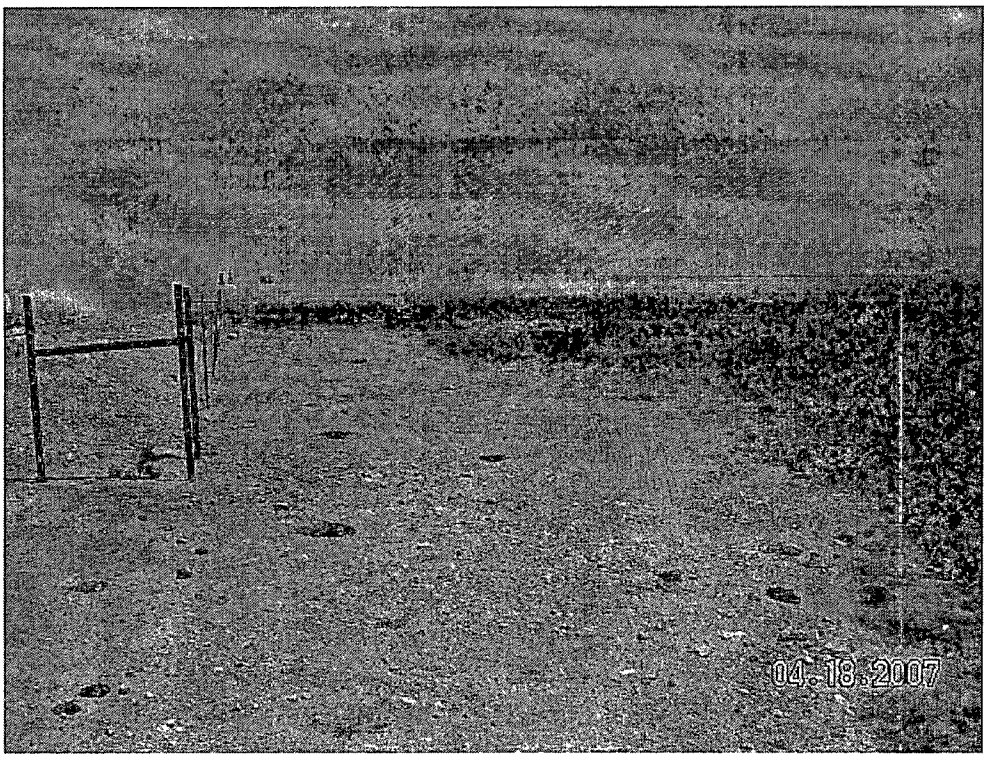


Photograph #10 – Backfilling excavation

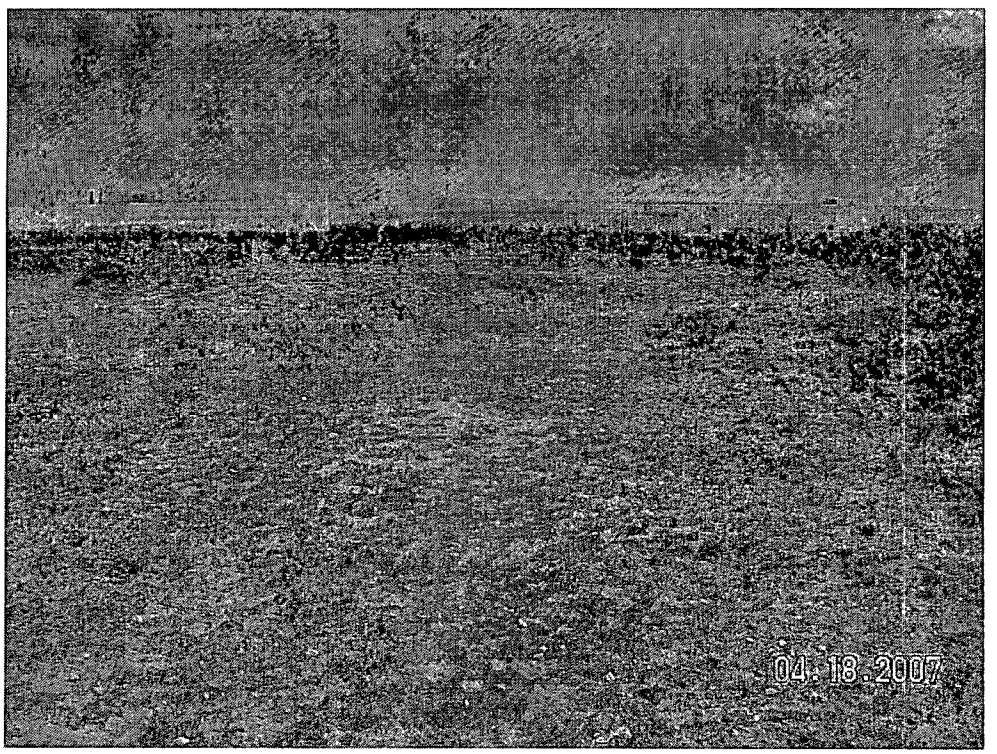


Photograph #11 – Backfilling excavation

Photograph #12 – Backfilling excavation



Photograph #13 – Remediated, reseeded site



Photograph #14 – Remediated, reseeded site

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chesapeake/ NH 35 #1

Project Number: 160056

Location: UL-O, Sec. 35, T 15 S, R 33 E

Lab Order Number: 6E26008

Report Date: 06/07/06

Environmental Plus, Incorporated	Project: Chesapeake/ NH 35 #1	Fax 505-394-2601
P O Box 1558	Project Number: 160056	**Reported:**
Eunice NM, 88231	Project Manager Iain Olness	06/07/06 13 01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (4')	6E26008-01	Soil	05/25/06 13.15	05/26/06 09.52
BH-2 (6')	6E26008-02	Soil	05/25/06 13 20	05/26/06 09 52
BH-3 (4')	6E26008-03	Soil	05/25/06 13 26	05/26/06 09.52
SW-1 (3')	6E26008-04	Soil	05/25/06 13.30	05/26/06 09.52
SW-2 (3')	6E26008-05	Soil	05/25/06 13 34	05/26/06 09.52
SW-3 (2')	6E26008-06	Soil	05/25/06 13.40	05/26/06 09.52
SW-4 (3')	6E26008-07	Soil	05/25/06 13.45	05/26/06 09 52
SW-5 (3')	6E26008-08	Soil	05/25/06 13 50	05/26/06 09.52
SW-6 (4')	6E26008-09	Soil	05/25/06 13.55	05/26/06 09 52
SW-7 (4')	6E26008-10	Soil	05/25/06 14 00	05/26/06 09 52
SW-8 (3')	6E26008-11	Soil	05/25/06 14.08	05/26/06 09 52

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (4') (6E26008-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60301	06/03/06	06/04/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*98 2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*85 2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**37.2**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**37.2**	10 0	"	"	"	"	"	"	
Surrogate· 1-Chlorooctane		*84 0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*82 2 %*	*70-130*		"	"	"	"	
BH-2 (6') (6E26008-02) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60301	06/03/06	06/04/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*84.2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*99.6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*95.4 %*	*70-130*		"	"	"	"	
BH-3 (4') (6E26008-03) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*91.8 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*95 5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**61.3**	10 0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-3 (4') (6E26008-03) Soil									
Carbon Ranges C12-C28	**290**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C28-C35	**12.2**	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**364**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*101 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99.2 %*	*70-130*		"	"	"	"	
SW-1 (3') (6E26008-04) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	**0.0984**	0 0250	"	"	"	"	"	"	
Ethylbenzene	**0.361**	0 0250	"	"	"	"	"	"	
Xylene (p/m)	**1.08**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.471**	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*95 2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*117 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**222**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**1210**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**86.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1520**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*111 %*	*70-130*		"	"	"	"	
SW-2 (3') (6E26008-05) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*90 5 %*	*80-120*		"	"	"	"	
Surrogate· 4-Bromofluorobenzene		*93 8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*95 6 %*	*70-130*		"	"	"	"	
Surrogate· 1-Chlorooctadecane		*94.8 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-3 (2') (6E26008-06) Soil									
Benzene	**J [0.0116]**	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	J
Toluene	**0.0393**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0290**	0 0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0742**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0292**	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*96 5 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**40.5**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**512**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**45.4**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**598**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*99.8 %*	*70-130*		"	"	"	"	
SW-4 (3') (6E26008-07) Soil									
Benzene	ND	0.00100	mg/kg dry	1	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0 00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0 00100	"	"	"	"	"	"	
Xylene (o)	ND	0 00100	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*89.2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**69.6**	10 0	mg/kg dry	"	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**515**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**37.1**	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**622**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
SW-5 (3') (6E26008-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	**J [0.0132]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**J [0.0165]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0420**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*86 2 %*	*80-120*		"	"	"	"	
Surrogate. 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**89.4**	10 0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-5 (3') (6E26008-08) Soil									
Carbon Ranges C12-C28	**955**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C28-C35	**90.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1140**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*93.0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SW-6 (4') (6E26008-09) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*80 8 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89 2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**42.2**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**472**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**26.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**541**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*98 6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	
SW-7 (4') (6E26008-10) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	**0.0430**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0346**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0640**	0 0250	"	"	"	"	"	"	
Xylene (o)	**J [0.0196]**	0 0250	"	"	"	"	"	"	J
Surrogate a,a,a-Trifluorotoluene		*93 2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*93.5 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**24.7**	10 0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**1030**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**103**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**1160**	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*96.2 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-8 (3') (6E26008-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF60302	06/03/06	06/05/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*80.2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**42.5**	10.0	mg/kg dry	1	EE63114	05/31/06	06/01/06	EPA 8015M	
Carbon Ranges C12-C28	**609**	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**44.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**696**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*92 8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (4') (6E26008-01) Soil									
Chloride	**26.7**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**6.0**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**35.7**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
BH-2 (6') (6E26008-02) Soil									
Chloride	**84.5**	5 00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**6.4**	0 1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**43.6**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
BH-3 (4') (6E26008-03) Soil									
Chloride	**77.8**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**8.0**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**32.6**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-1 (3') (6E26008-04) Soil									
Chloride	**54.7**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**8.3**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**30.1**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-2 (3') (6E26008-05) Soil									
Chloride	**55.7**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**10.9**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**29.5**	5 00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-3 (2') (6E26008-06) Soil									
Chloride	**26.7**	5 00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**3.4**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**31.8**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-4 (3') (6E26008-07) Soil									
Chloride	**158**	5 00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**3.5**	0 1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**41.4**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	

Environmental Plus, Incorporated	Project. Chesapeake/ NH 35 #1	Fax 505-394-2601
P O Box 1558	Project Number 160056	**Reported:**
Eunice NM, 88231	Project Manager Iain Olness	06/07/06 13 01

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-5 (3') (6E26008-08) Soil									
Chloride	**28.7**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300.0	
% Moisture	**3.8**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**40.4**	5 00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-6 (4') (6E26008-09) Soil									
Chloride	**685**	10.0	mg/kg	20	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**4.2**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**92.1**	10.0	mg/kg	20	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-7 (4') (6E26008-10) Soil									
Chloride	**105**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**4.4**	0 1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**105**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
SW-8 (3') (6E26008-11) Soil									
Chloride	**117**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	
% Moisture	**1.0**	0.1	%	1	EE62901	05/26/06	05/27/06	% calculation	
Sulfate	**41.8**	5.00	mg/kg	10	EE63006	05/29/06	05/29/06	EPA 300 0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE63114 - Solvent Extraction (GC)										
Blank (EE63114-BLK1)				Prepared: 05/31/06 Analyzed. 06/01/06						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbon nC6-nC35	ND	10.0	"							
Surrogate 1-Chlorooctane	*45 9*		*mg/kg*	*50 0*		*91 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*47 0*		*"*	*50 0*		*94 0*	*70-130*			
LCS (EE63114-BS1)				Prepared. 05/31/06 Analyzed. 06/01/06						
Carbon Ranges C6-C12	561	10 0	mg/kg wet	500		112	75-125			
Carbon Ranges C12-C28	564	10 0	"	500		113	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	1130	10 0	"	1000		113	75-125			
Surrogate 1-Chlorooctane	*53 8*		*mg/kg*	*50 0*		*108*	*70-130*			
Surrogate 1-Chlorooctadecane	*46.3*		*"*	*50 0*		*92 6*	*70-130*			
Calibration Check (EE63114-CCV1)				Prepared 05/31/06 Analyzed 06/01/06						
Carbon Ranges C6-C12	288		mg/kg	250		115	80-120			
Carbon Ranges C12-C28	284		"	250		114	80-120			
Total Hydrocarbon nC6-nC35	572		"	500		114	80-120			
Surrogate 1-Chlorooctane	*62 5*		*"*	*50 0*		*125*	*70-130*			
Surrogate. 1-Chlorooctadecane	*61 9*		*"*	*50 0*		*124*	*70-130*			
Matrix Spike (EE63114-MS1)	**Source: 6E26006-03**			Prepared. 05/31/06 Analyzed. 06/01/06						
Carbon Ranges C6-C12	589	10 0	mg/kg dry	571	ND	103	75-125			
Carbon Ranges C12-C28	598	10 0	"	571	32 4	99 1	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	1190	10 0	"	1140	32 4	102	75-125			
Surrogate 1-Chlorooctane	*51 9*		*mg/kg*	*50 0*		*104*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 7*		*"*	*50 0*		*91 4*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE63114 - Solvent Extraction (GC)										
Matrix Spike Dup (EE63114-MSD1)	**Source: 6E26006-03**			Prepared. 05/31/06 Analyzed. 06/01/06						
Carbon Ranges C6-C12	579	10 0	mg/kg dry	571	ND	101	75-125	1 71	20	
Carbon Ranges C12-C28	589	10 0	"	571	32.4	97 5	75-125	1 52	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1170	10 0	"	1140	32 4	99 8	75-125	1 69	20	
Surrogate 1-Chlorooctane	*51 0*		*mg/kg*	*50 0*		*102*	*70-130*			
Surrogate 1-Chlorooctadecane	*44 7*		*"*	*50 0*		*89 4*	*70-130*			
Batch EF60301 - EPA 5030C (GC)										
Blank (EF60301-BLK1)				Prepared. 06/03/06 Analyzed. 06/04/06						
Benzene	ND	0 0250	mg/kg wet							
Toluene	ND	0 0250	"							
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0 0250	"							
Xylene (o)	ND	0 0250	"							
Surrogate a,a,a-Trifluorotoluene	*37 0*		*ug/kg*	*40 0*		*92 5*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 7*		*"*	*40 0*		*96 8*	*80-120*			
LCS (EF60301-BS1)				Prepared. 06/03/06 Analyzed 06/04/06						
Benzene	1 04	0.0250	mg/kg wet	1 25		83 2	80-120			
Toluene	1.03	0 0250	"	1 25		82 4	80-120			
Ethylbenzene	1 13	0 0250	"	1 25		90 4	80-120			
Xylene (p/m)	2 41	0 0250	"	2.50		96 4	80-120			
Xylene (o)	1 18	0 0250	"	1 25		94 4	80-120			
Surrogate a,a,a-Trifluorotoluene	*36 6*		*ug/kg*	*40 0*		*91 5*	*80-120*			
Surrogate 4-Bromofluorobenzene	*44 7*		*"*	*40 0*		*112*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF60301 - EPA 5030C (GC)										
Calibration Check (EF60301-CCV1)				Prepared. 06/03/06 Analyzed. 06/05/06						
Benzene	40 3		ug/kg	50 0		80 6	80-120			
Toluene	40 3		"	50 0		80 6	80-120			
Ethylbenzene	42 0		"	50 0		84 0	80-120			
Xylene (p/m)	85.4		"	100		85 4	80-120			
Xylene (o)	43 8		"	50 0		87 6	80-120			
Surrogate a,a,a-Trifluorotoluene	*37 2*		*"*	*40 0*		*93 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*45 3*		*"*	*40 0*		*113*	*80-120*			
Matrix Spike (EF60301-MS1)	**Source: 6E26005-05**			Prepared: 06/03/06 Analyzed· 06/05/06						
Benzene	1 02	0 0250	mg/kg dry	1 26	ND	81 0	80-120			
Toluene	1 01	0 0250	"	1 26	ND	80 2	80-120			
Ethylbenzene	1 03	0 0250	"	1 26	ND	81 7	80-120			
Xylene (p/m)	2 28	0 0250	"	2 52	ND	90 5	80-120			
Xylene (o)	1 11	0 0250	"	1.26	ND	88 1	80-120			
Surrogate a,a,a-Trifluorotoluene	*36 7*		*ug/kg*	*40 0*		*91 8*	*80-120*			
Surrogate 4-Bromofluorobenzene	*37 8*		*"*	*40 0*		*94 5*	*80-120*			
Matrix Spike Dup (EF60301-MSD1)	**Source: 6E26005-05**			Prepared. 06/03/06 Analyzed 06/05/06						
Benzene	1 02	0 0250	mg/kg dry	1 26	ND	81 0	80-120	0 00	20	
Toluene	1 02	0 0250	"	1 26	ND	81 0	80-120	0 993	20	
Ethylbenzene	1 02	0 0250	"	1 26	ND	81 0	80-120	0 860	20	
Xylene (p/m)	2 24	0 0250	"	2 52	ND	88 9	80-120	1 78	20	
Xylene (o)	1 08	0 0250	"	1 26	ND	85.7	80-120	2 76	20	
Surrogate a,a,a-Trifluorotoluene	*38 0*		*ug/kg*	*40 0*		*95 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*37 8*		*"*	*40 0*		*94 5*	*80-120*			
Batch EF60302 - EPA 5030C (GC)										
Blank (EF60302-BLK1)				Prepared. 06/03/06 Analyzed· 06/05/06						
Benzene	ND	0 0250	mg/kg wet							
Toluene	ND	0 0250	"							
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate a,a,a-Trifluorotoluene	*36 8*		*ug/kg*	*40 0*		*92 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*36 9*		*"*	*40 0*		*92 2*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF60302 - EPA 5030C (GC)										
LCS (EF60302-BS1)				Prepared 06/03/06 Analyzed 06/05/06						
Benzene	1 05	0 0250	mg/kg wet	1 25		84 0	80-120			
Toluene	1 02	0.0250	"	1 25		81 6	80-120			
Ethylbenzene	1 05	0 0250	"	1 25		84 0	80-120			
Xylene (p/m)	2 27	0 0250	"	2 50		90.8	80-120			
Xylene (o)	1 11	0 0250	"	1 25		88 8	80-120			
Surrogate a,a,a-Trifluorotoluene	*38 7*		*ug/kg*	*40 0*		*96 8*	*80-120*			
Surrogate 4-Bromofluorobenzene	*40 1*		*"*	*40 0*		*100*	*80-120*			
Calibration Check (EF60302-CCV1)				Prepared 06/03/06 Analyzed 06/06/06						
Benzene	40 8		ug/kg	50 0		81 6	80-120			
Toluene	40 2		"	50 0		80 4	80-120			
Ethylbenzene	44 3		"	50 0		88 6	80-120			
Xylene (p/m)	90 4		"	100		90 4	80-120			
Xylene (o)	45 9		"	50 0		91 8	80-120			
Surrogate a,a,a-Trifluorotoluene	*36 2*		*"*	*40 0*		*90 5*	*80-120*			
Surrogate 4-Bromofluorobenzene	*40 4*		*"*	*40 0*		*101*	*80-120*			
Matrix Spike (EF60302-MS1)	**Source: 6E31001-01**			Prepared 06/03/06 Analyzed. 06/05/06						
Benzene	1 04	0 0250	mg/kg dry	1 28	ND	81 2	80-120			
Toluene	1 02	0 0250	"	1 28	ND	79 7	80-120			S-07
Ethylbenzene	1 27	0 0250	"	1 28	ND	99.2	80-120			
Xylene (p/m)	2 18	0 0250	"	2 55	ND	85 5	80-120			
Xylene (o)	1 06	0 0250	"	1 28	ND	82 8	80-120			
Surrogate a,a,a-Trifluorotoluene	*38.0*		*ug/kg*	*40 0*		*95 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*45.4*		*"*	*40 0*		*114*	*80-120*			
Matrix Spike Dup (EF60302-MSD1)	**Source: 6E31001-01**			Prepared. 06/03/06 Analyzed. 06/05/06						
Benzene	1 03	0 0250	mg/kg dry	1 28	ND	80 5	80-120	0 866	20	
Toluene	1 03	0 0250	"	1 28	ND	80 5	80-120	0 999	20	
Ethylbenzene	1 33	0 0250	"	1 28	ND	104	80-120	4 72	20	
Xylene (p/m)	2 29	0 0250	"	2 55	ND	89 8	80-120	4 91	20	
Xylene (o)	1 13	0 0250	"	1 28	ND	88 3	80-120	6 43	20	
Surrogate a,a,a-Trifluorotoluene	*36.2*		*ug/kg*	*40 0*		*90 5*	*80-120*			
Surrogate 4-Bromofluorobenzene	*40 8*		*"*	*40 0*		*102*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE62901 - General Preparation (Prep)										
Blank (EE62901-BLK1)				Prepared. 05/26/06 Analyzed. 05/30/06						
% Moisture	ND	0 1	%							
Blank (EE62901-BLK2)				Prepared. 05/26/06 Analyzed. 05/30/06						
% Moisture	ND	0 1	%							
Duplicate (EE62901-DUP1)	**Source: 6E26001-01**			Prepared 05/26/06 Analyzed. 05/27/06						
% Solids	79 6		%		79 2			0 504	20	
Duplicate (EE62901-DUP2)	**Source: 6E26001-21**			Prepared 05/26/06 Analyzed 05/27/06						
% Solids	99 5		%		99 4			0 101	20	
Duplicate (EE62901-DUP3)	**Source: 6E26001-41**			Prepared. 05/26/06 Analyzed 05/27/06						
% Solids	99 1		%		99 1			0 00	20	
Duplicate (EE62901-DUP4)	**Source: 6E26001-61**			Prepared 05/26/06 Analyzed 05/27/06						
% Solids	75 2		%		76 2			1 32	20	
Duplicate (EE62901-DUP5)	**Source: 6E26003-07**			Prepared: 05/26/06 Analyzed 05/27/06						
% Solids	98 0		%		98 3			0 306	20	
Duplicate (EE62901-DUP6)	**Source: 6E26004-07**			Prepared 05/26/06 Analyzed 05/27/06						
% Solids	97 9		%		96 7			1 23	20	
Duplicate (EE62901-DUP7)	**Source: 6E26005-06**			Prepared 05/26/06 Analyzed. 05/27/06						
% Solids	99.3		%		99 5			0 201	20	
Duplicate (EE62901-DUP8)	**Source: 6E26008-04**			Prepared. 05/26/06 Analyzed: 05/27/06						
% Solids	98 6		%		91.7			7 25	20	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE63006 - Water Extraction										
Blank (EE63006-BLK1)				Prepared & Analyzed: 05/29/06						
Chloride	ND	0 500	mg/kg							
Sulfate	ND	0 500	"							
LCS (EE63006-BS1)				Prepared & Analyzed 05/29/06						
Sulfate	8 10	0.500	mg/kg	10 0		81 0	80-120			
Chloride	9 89	*0 500*	"	*10 0*		*98 9*	*80-120*			
Calibration Check (EE63006-CCV1)				Prepared & Analyzed. 05/29/06						
Chloride	9 82		mg/L	10 0		98 2	80-120			
Sulfate	8 15		"	10 0		81.5	80-120			
Duplicate (EE63006-DUP1)	**Source: 6E26008-01**			Prepared & Analyzed. 05/29/06						
Sulfate	35 9	5 00	mg/kg		35.7			0 559	20	
Chloride	25 6	5 00	"		26 7			4 21	20	
Matrix Spike (EE63006-MS1)	**Source: 6E26008-01**			Prepared & Analyzed 05/29/06						
Chloride	118	5 00	mg/kg	100	26 7	91.3	80-120			
Sulfate	102	5.00	"	100	35 7	66 3	80-120			S-07

Notes and Definitions

S-07	Recovery outside Laboratory historical or method prescribed limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag)
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6/7/2006

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

Environmental Plus, Inc.

Chain of Custody Form

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

Lab: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chesapeake Energy
Facility Name	NH 35 #1
Location	UL-O, Sec. 35, T 15 S, R 33 E
Project Reference	160056
EPI Sampler Name	Roger Boone

Bill To

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

ANALYSIS REQUEST

LAB I.D. (6E26008)	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS 40 ml vials	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			
-01	BH-1 (4')	X	1			X					X		25-May-06	13:15	X	X	X	X							
-02	BH-2 (6')	X	1			X					X		25-May-06	13:20	X	X	X	X							
-03	BH-3 (4')	X	1			X					X		25-May-06	13:26	X	X	X	X							
-04	SW-1 (3')	X	1			X					X		25-May-06	13:30	X	X	X	X							
-05	SW-2 (3')	X	1			X					X		25-May-06	13:34	X	X	X	X							
-06	SW-3 (2')	X	1			X					X		25-May-06	13:40	X	X	X	X							
-07	SW-4 (3')	X	1			X					X		25-May-06	13:45	X	X	X	X							
-08	SW-5 (3')	X	1			X					X		25-May-06	13:50	X	X	X	X							
-09	SW-6 (4')	X	1			X					X		25-May-06	13:55	X	X	X	X							
-10	SW-7 (4')	X	1			X					X		25-May-06	14:00	X	X	X	X							

Sampler Relinquished: Iain Olness	Date 26 May 06 Time 0702	Received By: Jaron Boone	E-mail results to: iolness@envplus.net
Relinquished by: Jaron Boone	Date 05 26 06 Time 0952	Received By: (lab staff) Jeanne McMurry	REMARKS:
Delivered by: 4.0°C labels + seals	Sample Cool & Intact Yes / No	Checked By: JMM	

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
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Chain of Custody Form

Lab: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chesapeake Energy
Facility Name	NH 35 #1
Location	UL-O, Sec. 35, T 15 S, R 33 E
Project Reference	160056
EPI Sampler Name	Roger Boone

Bill To

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

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 ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
6E26008																						
11	SW-8 (3')	X	1			X					X		25-May-06	14:08	X	X	X	X				
12																						
13																						
14																						
5																						
6																						
7																						
8																						
9																						
10																						

Sample Relinquished: Iain Olness	Date 26 May 06 Time 0702	Received By: Aaron Boone	E-mail results to: iolness@envplus.net
Relinquished by: Aaron Boone	Date 05-26-06 Time 0952	Received By: (lab staff) Diane McMurry	REMARKS:
Delivered by: labels+seals 4.0°C	Sample Cool & Intact: (Yes) No	Checked By: JMM	

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: EPI

Date/Time: 05-26-06 @ 0952

Order #: 6E26008

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4.0 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	Not present N/A
Custody Seals intact on sample bottles?	(Yes)	No	Not present
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chesapeake/ NH 35 #1

Project Number: 160056

Location: UL-O, Sec. 35, T 15 S, R 33 E

Lab Order Number: 6F21006

Report Date: 06/27/06

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

Project Chesapeake/ NH 35 #1
Project Number. 160056
Project Manager: Iain Olness

Fax 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 7'	6F21006-01	Soil	06/20/06 09 05	06/21/06 11 07
SW-1 3'	6F21006-02	Soil	06/20/06 09 10	06/21/06 11.07
SW-2 3'	6F21006-03	Soil	06/20/06 09.15	06/21/06 11.07
SW-3 2'	6F21006-04	Soil	06/20/06 09 20	06/21/06 11.07
SW-4 3'	6F21006-05	Soil	06/20/06 09.25	06/21/06 11.07
SW-5 3'	6F21006-06	Soil	06/20/06 09:30	06/21/06 11.07
SW-6 3'	6F21006-07	Soil	06/20/06 09.35	06/21/06 11.07
SW-7 3'	6F21006-08	Soil	06/20/06 09:40	06/21/06 11.07
SW-8 3'	6F21006-09	Soil	06/20/06 09 45	06/21/06 11:07
SW-9 3'	6F21006-10	Soil	06/20/06 09.50	06/21/06 11.07
SW-10 3'	6F21006-11	Soil	06/20/06 09 55	06/21/06 11.07

Environmental Plus, Incorporated
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Project: Chesapeake/ NH 35 #1
Project Number: 160056
Project Manager: Iain Olness

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 7' (6F21006-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*98.2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62206	06/22/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*71 8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*70.6 %*	*70-130*		"	"	"	"	
SW-1 3' (6F21006-02) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*97.0 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*98.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**J [7.27]**	10 0	mg/kg dry	1	EF62206	06/22/06	06/23/06	EPA 8015M	J
Carbon Ranges C12-C28	**601**	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**78.1**	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**679**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*76 8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*79.2 %*	*70-130*		"	"	"	"	
SW-2 3' (6F21006-03) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*99.5 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*95.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EF62206	06/22/06	06/23/06	EPA 8015M	

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Project Chesapeake/ NH 35 #1
Project Number 160056
Project Manager. Iain Olness

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-2 3' (6F21006-03) Soil									
Carbon Ranges C12-C28	**42.3**	10.0	mg/kg dry	1	EF62206	06/22/06	06/23/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	**42.3**	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*72.8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*73.0 %*	*70-130*		"	"	"	"	
SW-3 2' (6F21006-04) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*96.5 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*97.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62114	06/21/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*75.8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*74 0 %*	*70-130*		"	"	"	"	
SW-4 3' (6F21006-05) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*97 8 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*96 2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62114	06/21/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*79 0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*76.2 %*	*70-130*		"	"	"	"	

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Project Manager. Iain Olness

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-5 3' (6F21006-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate· a,a,a-Trifluorotoluene		*95.8 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*98.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*70.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*71.2 %*	*70-130*		"	"	"	"	
SW-6 3' (6F21006-07) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*95.2 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate· 1-Chlorooctane		*82.8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*79.6 %*	*70-130*		"	"	"	"	
SW-7 3' (6F21006-08) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*91 5 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*95.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-7 3' (6F21006-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*74.6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*74.6 %*	*70-130*		"	"	"	"	
SW-8 3' (6F21006-09) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*93 0 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*95 8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10.0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*72.8 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*71.2 %*	*70-130*		"	"	"	"	
SW-9 3' (6F21006-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0 0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0 0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*100 %*	*80-120*		"	"	"	"	
Surrogate 4-Bromofluorobenzene		*93.2 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10 0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10 0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*75.6 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*76.2 %*	*70-130*		"	"	"	"	

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Project: Chesapeake/ NH 35 #1
Project Number: 160056
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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-10 3' (6F21006-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF62208	06/22/06	06/22/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*98.0 %*	*80-120*		"	"	"	"	
Surrogate. 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF62320	06/23/06	06/23/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*79.0 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*77.4 %*	*70-130*		"	"	"	"	

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General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 7' (6F21006-01) Soil									
% Moisture	**8.4**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-1 3' (6F21006-02) Soil									
% Moisture	**4.9**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-2 3' (6F21006-03) Soil									
% Moisture	**2.1**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-3 2' (6F21006-04) Soil									
% Moisture	**4.1**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-4 3' (6F21006-05) Soil									
% Moisture	**9.5**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-5 3' (6F21006-06) Soil									
% Moisture	**1.9**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-6 3' (6F21006-07) Soil									
% Moisture	**2.1**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-7 3' (6F21006-08) Soil									
% Moisture	**1.1**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-8 3' (6F21006-09) Soil									
% Moisture	**0.4**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-9 3' (6F21006-10) Soil									
% Moisture	**0.1**	0 1	%	1	EF62202	06/21/06	06/22/06	% calculation	
SW-10 3' (6F21006-11) Soil									
% Moisture	**1.4**	0.1	%	1	EF62202	06/21/06	06/22/06	% calculation	

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62114 - Solvent Extraction (GC)										
Blank (EF62114-BLK1)				Prepared 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbon nC6-nC35	ND	10 0	"							
Surrogate 1-Chlorooctane	*37 1*		*mg/kg*	*50 0*		*74 2*	*70-130*			
Surrogate 1-Chlorooctadecane	*36.4*		*"*	*50 0*		*72 8*	*70-130*			
LCS (EF62114-BS1)				Prepared 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	497	10 0	mg/kg wet	500		99 4	75-125			
Carbon Ranges C12-C28	479	10 0	"	500		95 8	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	976	10 0	"	1000		97 6	75-125			
Surrogate 1-Chlorooctane	*42 3*		*mg/kg*	*50 0*		*84 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*35 8*		*"*	*50 0*		*71 6*	*70-130*			
Calibration Check (EF62114-CCV1)				Prepared 06/21/06 Analyzed. 06/23/06						
Carbon Ranges C6-C12	258		mg/kg	250		103	80-120			
Carbon Ranges C12-C28	288		"	250		115	80-120			
Total Hydrocarbon nC6-nC35	546		"	500		109	80-120			
Surrogate 1-Chlorooctane	*49 8*		*"*	*50 0*		*99 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*43 7*		*"*	*50 0*		*87 4*	*70-130*			
Matrix Spike (EF62114-MS1)	**Source: 6F20011-12**			Prepared: 06/21/06 Analyzed 06/23/06						
Carbon Ranges C6-C12	448	10 0	mg/kg dry	501	ND	89 4	75-125			
Carbon Ranges C12-C28	450	10 0	"	501	ND	89 8	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	898	10 0	"	1000	ND	89 8	75-125			
Surrogate 1-Chlorooctane	*36 5*		*mg/kg*	*50 0*		*73 0*	*70-130*			
Surrogate 1-Chlorooctadecane	*38 8*		*"*	*50 0*		*77 6*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62114 - Solvent Extraction (GC)										
Matrix Spike Dup (EF62114-MSD1)	**Source: 6F20011-12**			Prepared: 06/21/06 Analyzed: 06/23/06						
Carbon Ranges C6-C12	464	10 0	mg/kg dry	501	ND	92 6	75-125	3 51	20	
Carbon Ranges C12-C28	485	10 0	"	501	ND	96 8	75-125	7 49	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	949	10 0	"	1000	ND	94 9	75-125	5 52	20	
Surrogate 1-Chlorooctane	*39 9*		*mg/kg*	*50 0*		*79 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*36 5*		*"*	*50 0*		*73 0*	*70-130*			
Batch EF62206 - Solvent Extraction (GC)										
Blank (EF62206-BLK1)				Prepared & Analyzed. 06/22/06						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbon nC6-nC35	ND	10 0	"							
Surrogate 1-Chlorooctane	*53.7*		*mg/kg*	*50 0*		*107*	*70-130*			
Surrogate· 1-Chlorooctadecane	*51 4*		*"*	*50 0*		*103*	*70-130*			
LCS (EF62206-BS1)				Prepared & Analyzed 06/22/06						
Carbon Ranges C6-C12	483	10 0	mg/kg wet	500		96 6	75-125			
Carbon Ranges C12-C28	482	10 0	"	500		96 4	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	965	10 0	"	1000		96 5	75-125			
Surrogate 1-Chlorooctane	*41 7*		*mg/kg*	*50 0*		*83 4*	*70-130*			
Surrogate 1-Chlorooctadecane	*35 6*		*"*	*50 0*		*71 2*	*70-130*			
Calibration Check (EF62206-CCV1)				Prepared. 06/22/06 Analyzed. 06/23/06						
Carbon Ranges C6-C12	240		mg/kg	250		96 0	80-120			
Carbon Ranges C12-C28	284		"	250		114	80-120			
Total Hydrocarbon nC6-nC35	524		"	500		105	80-120			
Surrogate 1-Chlorooctane	*46 8*		*"*	*50 0*		*93 6*	*70-130*			
Surrogate 1-Chlorooctadecane	*42 0*		*"*	*50 0*		*84 0*	*70-130*			

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

Project. Chesapeake/ NH 35 #1
Project Number 160056
Project Manager. Iain Olness

Fax. 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62206 - Solvent Extraction (GC)										
Matrix Spike (EF62206-MS1)	**Source: 6F21014-01**			Prepared & Analyzed. 06/22/06						
Carbon Ranges C6-C12	556	10.0	mg/kg dry	539	73 6	89.5	75-125			
Carbon Ranges C12-C28	904	10 0	"	539	479	78 8	75-125			
Carbon Ranges C28-C35	15 6	10 0	"	0 00	11 8		75-125			
Total Hydrocarbon nC6-nC35	1480	10 0	"	1080	564	84 8	75-125			
Surrogate 1-Chlorooctane	*47 9*		*mg/kg*	*50 0*		*95 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*43 3*		*"*	*50 0*		*86 6*	*70-130*			
Matrix Spike Dup (EF62206-MSD1)	**Source: 6F21014-01**			Prepared & Analyzed 06/22/06						
Carbon Ranges C6-C12	572	10 0	mg/kg dry	539	73 6	92 5	75-125	2 84	20	
Carbon Ranges C12-C28	912	10 0	"	539	479	80 3	75-125	0 881	20	
Carbon Ranges C28-C35	13 6	10 0	"	0.00	11 8		75-125	13 7	20	
Total Hydrocarbon nC6-nC35	1500	10 0	"	1080	564	86 7	75-125	1 34	20	
Surrogate 1-Chlorooctane	*49 9*		*mg/kg*	*50 0*		*99 8*	*70-130*			
Surrogate 1-Chlorooctadecane	*45 1*		*"*	*50 0*		*90 2*	*70-130*			
Batch EF62208 - EPA 5030C (GC)										
Blank (EF62208-BLK1)				Prepared & Analyzed: 06/22/06						
Benzene	ND	0 0250	mg/kg wet							
Toluene	ND	0 0250	"							
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0 0250	"							
Xylene (o)	ND	0 0250	"							
Surrogate a,a,a-Trifluorotoluene	*39 8*		*ug/kg*	*40 0*		*99 5*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 8*		*"*	*40 0*		*97 0*	*80-120*			
LCS (EF62208-BS1)				Prepared & Analyzed: 06/22/06						
Benzene	1 28	0 0250	mg/kg wet	1.25		102	80-120			
Toluene	1 42	0 0250	"	1 25		114	80-120			
Ethylbenzene	1 28	0 0250	"	1 25		102	80-120			
Xylene (p/m)	2 98	0 0250	"	2 50		119	80-120			
Xylene (o)	1 47	0 0250	"	1 25		118	80-120			
Surrogate a,a,a-Trifluorotoluene	*39 2*		*ug/kg*	*40 0*		*98 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*44 3*		*"*	*40 0*		*111*	*80-120*			

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62208 - EPA 5030C (GC)										
Calibration Check (EF62208-CCV1)				Prepared & Analyzed: 06/22/06						
Benzene	53 1		ug/kg	50 0		106	80-120			
Toluene	57 5		"	50 0		115	80-120			
Ethylbenzene	54 7		"	50.0		109	80-120			
Xylene (p/m)	114		"	100		114	80-120			
Xylene (o)	58 4		"	50 0		117	80-120			
Surrogate a,a,a-Trifluorotoluene	*43 1*		"	*40 0*		*108*	*80-120*			
Surrogate 4-Bromofluorobenzene	*41 2*		"	*40 0*		*103*	*80-120*			
Matrix Spike (EF62208-MS1)	**Source: 6F21006-01**			Prepared & Analyzed: 06/22/06						
Benzene	1.43	0 0250	mg/kg dry	1.36	ND	105	80-120			
Toluene	1.58	0 0250	"	1.36	ND	116	80-120			
Ethylbenzene	1 55	0 0250	"	1 36	ND	114	80-120			
Xylene (p/m)	3 20	0 0250	"	2 73	ND	117	80-120			
Xylene (o)	1 58	0 0250	"	1 36	ND	116	80-120			
Surrogate a,a,a-Trifluorotoluene	*41 9*		*ug/kg*	*40 0*		*105*	*80-120*			
Surrogate 4-Bromofluorobenzene	*47 6*		"	*40 0*		*119*	*80-120*			
Matrix Spike Dup (EF62208-MSD1)	**Source: 6F21006-01**			Prepared & Analyzed. 06/22/06						
Benzene	1 41	0 0250	mg/kg dry	1 36	ND	104	80-120	0 957	20	
Toluene	1 57	0 0250	"	1 36	ND	115	80-120	0 866	20	
Ethylbenzene	1 54	0 0250	"	1 36	ND	113	80-120	0 881	20	
Xylene (p/m)	3 20	0 0250	"	2 73	ND	117	80-120	0 00	20	
Xylene (o)	1 62	0 0250	"	1 36	ND	119	80-120	2 55	20	
Surrogate a,a,a-Trifluorotoluene	*43 2*		*ug/kg*	*40 0*		*108*	*80-120*			
Surrogate 4-Bromofluorobenzene	*44 2*		"	*40 0*		*110*	*80-120*			
Batch EF62320 - Solvent Extraction (GC)										
Blank (EF62320-BLK1)				Prepared & Analyzed. 06/23/06						
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbon nC6-nC35	ND	10 0	"							
Surrogate 1-Chlorooctane	*37 7*		*mg/kg*	*50 0*		*75 4*	*70-130*			
Surrogate 1-Chlorooctadecane	*35 0*		"	*50 0*		*70 0*	*70-130*			

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

Project Chesapeake/ NH 35 #1
Project Number. 160056
Project Manager Iain Olness

Fax 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62320 - Solvent Extraction (GC)										
LCS (EF62320-BS1)				Prepared & Analyzed: 06/23/06						
Carbon Ranges C6-C12	511	10 0	mg/kg wet	500		102	75-125			
Carbon Ranges C12-C28	491	10 0	"	500		98 2	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	1000	10 0	"	1000		100	75-125			
Surrogate 1-Chlorooctane	*61 1*		*mg/kg*	*50 0*		*122*	*70-130*			
Surrogate 1-Chlorooctadecane	*54 8*		*"*	*50 0*		*110*	*70-130*			
Calibration Check (EF62320-CCV1)				Prepared & Analyzed 06/23/06						
Carbon Ranges C6-C12	231		mg/kg	250		92 4	80-120			
Carbon Ranges C12-C28	279		"	250		112	80-120			
Total Hydrocarbon nC6-nC35	510		"	500		102	80-120			
Surrogate 1-Chlorooctane	*82 1*		*"*	*100*		*82 1*	*70-130*			
Surrogate 1-Chlorooctadecane	*82 1*		*"*	*100*		*82 1*	*70-130*			
Matrix Spike (EF62320-MS1)	**Source: 6F22013-01**			Prepared & Analyzed 06/23/06						
Carbon Ranges C6-C12	609	10 0	mg/kg dry	594	ND	103	75-125			
Carbon Ranges C12-C28	591	10 0	"	594	ND	99.5	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	1200	10 0	"	1190	ND	101	75-125			
Surrogate 1-Chlorooctane	*61 4*		*mg/kg*	*50 0*		*123*	*70-130*			
Surrogate 1-Chlorooctadecane	*55 6*		*"*	*50 0*		*111*	*70-130*			
Matrix Spike Dup (EF62320-MSD1)	**Source: 6F22013-01**			Prepared & Analyzed 06/23/06						
Carbon Ranges C6-C12	663	10 0	mg/kg dry	594	ND	112	75-125	8 49	20	
Carbon Ranges C12-C28	637	10 0	"	594	ND	107	75-125	7.49	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1300	10 0	"	1190	ND	109	75-125	8.00	20	
Surrogate 1-Chlorooctane	*62 8*		*mg/kg*	*50 0*		*126*	*70-130*			
Surrogate 1-Chlorooctadecane	*64 7*		*"*	*50 0*		*129*	*70-130*			

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

Project. Chesapeake/ NH 35 #1
Project Number. 160056
Project Manager. Iain Olness

Fax. 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF62202 - General Preparation (Prep)										
Blank (EF62202-BLK1)				Prepared. 06/21/06 Analyzed. 06/22/06						
% Moisture	ND	0 1	%							
Duplicate (EF62202-DUP1)	**Source: 6F20008-01**			Prepared. 06/21/06 Analyzed. 06/22/06						
% Moisture	9 9	0 1	%		10 1			2 00	20	

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Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6/27/2006

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

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Environmental Plus, Inc.

Chain of Custody Form

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

Lab: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chesapeake Energy
Facility Name	NH 35 #1
Location	UL-O, Sec. 35, T 15 S, R 33 E
Project Reference	160056
EPI Sampler Name	Kirt Tyree

Bill To

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

ANALYSIS REQUEST

LAB I.D. (EF21006)		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			
-01	1	BH-1 (7')	X	1			X					X		20-Jun-06	9:05	X	X								
-02	2	SW-1 (3')	X	1			X					X		20-Jun-06	9:10	X	X								
-03	3	SW-2 (3')	X	1			X					X		20-Jun-06	9:15	X	X								
-04	4	SW-3 (2')	X	1			X					X		20-Jun-06	9:20	X	X								
-05	5	SW-4 (3')	X	1			X					X		20-Jun-06	9:25	X	X								
-06	6	SW-5 (3')	X	1			X					X		20-Jun-06	9:30	X	X								
-07	7	SW-6 (3')	X	1			X					X		20-Jun-06	9:35	X	X								
-08	8	SW-7 (3')	X	1			X					X		20-Jun-06	9:40	X	X								
-09	9	SW-8 (3')	X	1			X					X		20-Jun-06	9:45	X	X								
-10	10	SW-9 (3')	X	1			X					X		20-Jun-06	9:50	X	X								

Sampler Relinquished: Kirt Tyree	Date: 6-20-06 Time: 4:00 PM	Received By: Jaron Boone
Relinquished by: Jaron Boone	Date: 6-21-6 Time: 1107	Received By: (lab staff) Jane Mcmurry
Delivered by:	Sample Cool & Intact: (Yes) No	Checked By: JMM

E-mail results to: iolness@envplus.net

REMARKS: Rec. 2.5°C

4oz glass w/ labels + seals

Environmental Plus, Inc.

Chain of Custody Form

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

Lab: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chesapeake Energy
Facility Name	NH 35 #1
Location	UL-O, Sec. 35, T 15 S, R 33 E
Project Reference	160056
EPI Sampler Name	Kirt Tyree

Bill To

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

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
1	SW-10 (3')	X	1			X					X		20-Jun-06	9:55	X	X						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler Relinquished: Kirt Tyree
Date 6-20-06 Time 4:00 PM
Received By: Jaron Boone

Relinquished by: Jaron Boone
Date 6-21-6 Time 7107
Received By: (lab staff) Joanne McMurry

Delivered by:
Sample Cool & Intact: Yes (No) No
Checked By: JMM

E-mail results to: iolness@envplus.net

REMARKS: Rec. 2.5°C

4oz glass w/ labels + seals

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

ent EPI

te/Time: 6/21/06 11:07

der #: 6F210

tials: CK

Sample Receipt Checklist

nperature of container/cooler?	Yes	No	2.5 C
pping container/cooler in good condition?	Yes	No	
stody Seals intact on shipping container/cooler?	Yes	No	Not present
stody Seals intact on sample bottles?	Yes	No	Not present
ain of custody present?	Yes	No	
mple Instructions complete on Chain of Custody?	Yes	No	
ain of Custody signed when relinquished and received?	Yes	No	
ain of custody agrees with sample label(s)	Yes	No	
ntainer labels legible and intact?	Yes	No	
mple Matrix and properties same as on chain of custody?	Yes	No	
mples in proper container/bottle?	Yes	No	
mples properly preserved?	Yes	No	
mple bottles intact?	Yes	No	
eservations documented on Chain of Custody?	Yes	No	
ntainers documented on Chain of Custody?	Yes	No	
fficient sample amount for indicated test?	Yes	No	
l samples received within sufficient hold time?	Yes	No	
OC samples have zero headspace?	Yes	No	Not Applicable

ther observations:

Variance Documentation:

ontact Person. - Date/Time: Contacted by:

egarding:

orrective Action Taken.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chesapeake/ NH 35 #1

Project Number: 160056

Location: UL-O, Sec. 35, T 15, S, R 33 E

Lab Order Number: 6F30009

Report Date: 07/10/06

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

Project Chesapeake/ NH 35 #1
Project Number. 160056
Project Manager. Iain Olness

Fax 505-394-2601

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1A 3'	6F30009-01	Soil	06/29/06 08.45	06/30/06 10 15

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Project Chesapeake/ NH 35 #1
Project Number. 160056
Project Manager. Iain Olness

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1A 3' (6F30009-01) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EF63020	06/30/06	07/03/06	EPA 8021B	
Toluene	ND	0 0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0 0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate a,a,a-Trifluorotoluene		*93 5 %*	*80-120*		"	"	"	"	
Surrogate· 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	ND	10 0	mg/kg dry	1	EF61504	06/30/06	07/05/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon nC6-nC35	ND	10 0	"	"	"	"	"	"	
Surrogate 1-Chlorooctane		*75.4 %*	*70-130*		"	"	"	"	
Surrogate 1-Chlorooctadecane		*74 0 %*	*70-130*		"	"	"	"	

Environmental Plus, Incorporated	Project. Chesapeake/ NH 35 #1	Fax 505-394-2601
P.O Box 1558	Project Number. 160056	
Eunice NM, 88231	Project Manager Iain Olness	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-1A 3' (6F30009-01) Soil									
% Moisture	**1.9**	0.1	%	1	EG60301	06/30/06	07/03/06	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Project: Chesapeake/ NH 35 #1
Project Number: 160056
Project Manager: Iain Olness

Fax 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF61504 - Solvent Extraction (GC)										
Blank (EF61504-BLK1)				Prepared & Analyzed 06/30/06						
Carbon Ranges C6-C12	ND	10 0	mg/kg wet							
Carbon Ranges C12-C28	ND	10 0	"							
Carbon Ranges C28-C35	ND	10 0	"							
Total Hydrocarbon nC6-nC35	ND	10 0	"							
Surrogate 1-Chlorooctane	*54 7*		*mg/kg*	*50 0*		*109*	*70-130*			
Surrogate 1-Chlorooctadecane	*52 0*		*"*	*50 0*		*104*	*70-130*			
LCS (EF61504-BS1)				Prepared & Analyzed. 06/30/06						
Carbon Ranges C6-C12	513	10 0	mg/kg wet	500		103	75-125			
Carbon Ranges C12-C28	517	10 0	"	500		103	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00			75-125			
Total Hydrocarbon nC6-nC35	1030	10 0	"	1000		103	75-125			
Surrogate 1-Chlorooctane	*54 2*		*mg/kg*	*50 0*		*108*	*70-130*			
Surrogate 1-Chlorooctadecane	*44 9*		*"*	*50 0*		*89 8*	*70-130*			
Calibration Check (EF61504-CCV1)				Prepared 06/30/06 Analyzed 07/01/06						
Carbon Ranges C6-C12	208		mg/kg	250		83 2	80-120			
Carbon Ranges C12-C28	*298*		"	*250*		*119*	*80-120*			
Total Hydrocarbon nC6-nC35	505		"	500		101	80-120			
Surrogate 1-Chlorooctane	*55 4*		*"*	*50 0*		*111*	*70-130*			
Surrogate 1-Chlorooctadecane	*53 6*		*"*	*50 0*		*107*	*70-130*			
Matrix Spike (EF61504-MS1)	**Source: 6F30007-01**			Prepared & Analyzed: 06/30/06						
Carbon Ranges C6-C12	595	10 0	mg/kg dry	559	ND	106	75-125			
Carbon Ranges C12-C28	601	10 0	"	559	ND	108	75-125			
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125			
Total Hydrocarbon nC6-nC35	1200	10 0	"	1120	ND	107	75-125			
Surrogate 1-Chlorooctane	*61 8*		*mg/kg*	*50 0*		*124*	*70-130*			
Surrogate 1-Chlorooctadecane	*54.1*		*"*	*50 0*		*108*	*70-130*			

Environmental Plus, Incorporated
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Eunice NM, 88231

Project: Chesapeake/ NH 35 #1
Project Number: 160056
Project Manager: Iain Olness

Fax 505-394-2601

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF61504 - Solvent Extraction (GC)										
Matrix Spike Dup (EF61504-MSD1)	**Source: 6F30007-01**			Prepared & Analyzed. 06/30/06						
Carbon Ranges C6-C12	580	10 0	mg/kg dry	559	ND	104	75-125	2 55	20	
Carbon Ranges C12-C28	592	10 0	"	559	ND	106	75-125	1 51	20	
Carbon Ranges C28-C35	ND	10 0	"	0 00	ND		75-125		20	
Total Hydrocarbon nC6-nC35	1170	10 0	"	1120	ND	104	75-125	2 53	20	
Surrogate 1-Chlorooctane	*59 9*		*mg/kg*	*50 0*		*120*	*70-130*			
Surrogate 1-Chlorooctadecane	*51 8*		*"*	*50 0*		*104*	*70-130*			
Batch EF63020 - EPA 5030C (GC)										
Blank (EF63020-BLK1)				Prepared 06/30/06 Analyzed 07/05/06						
Benzene	ND	0 0250	mg/kg wet							
Toluene	ND	0 0250	"							
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0 0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate a,a,a-Trifluorotoluene	*36 4*		*ug/kg*	*40 0*		*91 0*	*80-120*			
Surrogate 4-Bromofluorobenzene	*39 3*		*"*	*40 0*		*98 2*	*80-120*			
LCS (EF63020-BS1)				Prepared 06/30/06 Analyzed 07/03/06						
Benzene	1 28	0 0250	mg/kg wet	1 25		102	80-120			
Toluene	1 37	0 0250	"	1 25		110	80-120			
Ethylbenzene	1 32	0 0250	"	1 25		106	80-120			
Xylene (p/m)	2 75	0 0250	"	2 50		110	80-120			
Xylene (o)	1 36	0 0250	"	1 25		109	80-120			
Surrogate a,a,a-Trifluorotoluene	*45 8*		*ug/kg*	*40 0*		*114*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 7*		*"*	*40 0*		*96 8*	*80-120*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF63020 - EPA 5030C (GC)										
Calibration Check (EF63020-CCV1)				Prepared. 06/30/06 Analyzed. 07/05/06						
Benzene	51 7		ug/kg	50 0		103	80-120			
Toluene	55 7		"	50 0		111	80-120			
Ethylbenzene	57 1		"	50 0		114	80-120			
Xylene (p/m)	113		"	100		113	80-120			
Xylene (o)	56 8		"	50 0		114	80-120			
Surrogate a,a,a-Trifluorotoluene	*40 9*		*"*	*40 0*		*102*	*80-120*			
Surrogate 4-Bromofluorobenzene	*39 2*		*"*	*40 0*		*98 0*	*80-120*			
Matrix Spike (EF63020-MS1)	**Source: 6F30004-01**			Prepared: 06/30/06 Analyzed 07/05/06						
Benzene	1 23	0 0250	mg/kg dry	1 26	ND	97 6	80-120			
Toluene	1.33	0.0250	"	1 26	ND	106	80-120			
Ethylbenzene	1 28	0 0250	"	1 26	ND	102	80-120			
Xylene (p/m)	2 79	0 0250	"	2 52	ND	111	80-120			
Xylene (o)	1 34	0 0250	"	1 26	ND	106	80-120			
Surrogate a,a,a-Trifluorotoluene	*40 7*		*ug/kg*	*40 0*		*102*	*80-120*			
Surrogate 4-Bromofluorobenzene	*36 6*		*"*	*40 0*		*91 5*	*80-120*			
Matrix Spike Dup (EF63020-MSD1)	**Source: 6F30004-01**			Prepared. 06/30/06 Analyzed 07/05/06						
Benzene	1.19	0 0250	mg/kg dry	1 26	ND	94.4	80-120	3 33	20	
Toluene	1 32	0 0250	"	1 26	ND	105	80-120	0 948	20	
Ethylbenzene	1 30	0 0250	"	1 26	ND	103	80-120	0 976	20	
Xylene (p/m)	2 76	0 0250	"	2 52	ND	110	80-120	0 905	20	
Xylene (o)	*1 41*	*0 0250*	"	1 26	ND	*112*	80-120	5 50	20	
Surrogate a,a,a-Trifluorotoluene	*35 9*		*ug/kg*	*40 0*		*89 8*	*80-120*			
Surrogate 4-Bromofluorobenzene	*38 4*		*"*	*40 0*		*96 0*	*80-120*			

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

Project. Chesapeake/ NH 35 #1
Project Number 160056
Project Manager. Iain Olness

Fax 505-394-2601

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG60301 - General Preparation (Prep)										
Blank (EG60301-BLK1)				Prepared. 06/30/06 Analyzed. 07/03/06						
% Solids	100		%							
Duplicate (EG60301-DUP1)		**Source: 6F30001-01**		Prepared. 06/30/06 Analyzed. 07/03/06						
% Solids	97 9		%		97 5			0 409	20	
Duplicate (EG60301-DUP2)		**Source: 6F30010-09**		Prepared. 06/30/06 Analyzed 07/03/06						
% Solids	96 5		%		98 6			2 15	20	
Duplicate (EG60301-DUP3)		**Source: 6F30011-18**		Prepared. 06/30/06 Analyzed. 07/03/06						
% Solids	90 1		%		90 0			0 111	20	
Duplicate (EG60301-DUP4)		**Source: 6F30012-11**		Prepared. 06/30/06 Analyzed. 07/03/06						
% Solids	73 9		%		74 7			1 08	20	
Duplicate (EG60301-DUP5)		**Source: 6F30018-01**		Prepared. 06/30/06 Analyzed 07/03/06						
% Solids	99.9		%		100			0 100	20	

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

Project. Chesapeake/ NH 35 #1
Project Number 160056
Project Manager Iain Olness

Fax. 505-394-2601

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 7/10/2006

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

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Environmental Plus, Inc.

Chain of Custody Form

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

Lab: ELT

Company Name	Environmental Plus, Inc.
EPI Project Manager	Iain Olness
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	505-394-3481 / 505-394-2601
Client Company	Chesapeake Energy
Facility Name	NH 35 #1
Location	UL-O, Sec. 35, T 15 S, R 33 E
Project Reference	160056
EPI Sampler Name	Kirt Tyree

Bill To

Attn: Iain Olness
PO Box 1558,
Eunice, NM 88231-1558

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS 40ml	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			
1 -01 (lab# 36009)	SW-1A (3')	X	1			X					X		29-Jun-06	8:45	X	X									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: Kirt Tyree	Date: 6-30-06 Time: 7:40	Received By:	E-mail results to: iolness@envplus.net
Relinquished by:	Date: 6-30-06 Time: 10:15	Received By (lab staff):	REMARKS: Labels w/ seals
Delivered by:	Sample Cool & Intact: Yes (3.5°C) / No	Checked By:	

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: EPI

Date/Time: 6/30/04 10:15

Order #: 10E30

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.5 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

Chesapeake
Information and Metrics

Incident Date: 16 May 2006	**NMOCD Notified:** 17 May 2006

Site: N. H. 35 #1	**Assigned Site Reference :** #160056
Company: Chesapeake Energy	
Street Address: 1616 West Bender	
Mailing Address: P.O. Box 190	
City, State, Zip: Hobbs, New Mexico 88240	
Representative: Bradley Blevins	
Representative Telephone: (505) 391-1462 ext. 6224	
Telephone:	
Fluid volume released (bbls): 135 bbls	**Recovered (bbls):** 0 bbls
>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: N. H. 35 #1	
Source of contamination: Tank Battery	
Land Owner, i.e., BLM, ST, Fee, Other: Dan Field	
LSP Dimensions: 30 feet by 120 feet	
LSP Area: ~3,600 ft^2	
Location of Reference Point (RP):	
Location distance and direction from RP:	
Latitude: N 32° 58' 2.28"	
Longitude: W 103° 34' 55.20"	
Elevation above mean sea level: 4,145 feet	
Feet from South Section Line: 510	
Feet from East Section Line: 1,980	
Location- Unit or ¼¼: SW¼ of the SE¼	**Unit Letter:** O
Location- Section: 35	
Location- Township: 15 South	
Location- Range: 33 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: one	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to groundwater (DG): ~88 feet	
Depth of contamination (DC): unknown	
Depth to groundwater (DG – DC = DtGW): ~88 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 + 20 + 0 = 30		

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

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: Chesapeake Energy	**Contact:** Bradley Blevins
Address: P.O. Box 190	**Telephone No.:** (505) 391-1462 ext. 6224
Facility Name: N. H. 35 #1	**Facility Type:** Tank Battery

Surface Owner: Dan Field	**Mineral Owner:**	**API No.:** 3002530122

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	35	15S	33E	510	South	1,980	East	Lea

Latitude: N 32° 58' 2.28" **Longitude:** W 103° 34' 55.20"

NATURE OF RELEASE

Type of Release: Crude oil	**Volume of Release:** 135 bbls	**Volume Recovered:** 0 bbls
Source of Release: Battery	**Date and Hour of Occurrence:** 16 May 2006 @ 23:30 p.m.	**Date and Hour of Discovery:** 17 May 2006
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	**If YES, To Whom?** Larry Johnson, NMOCD	
By Whom? Bradley Blevins	**Date and Hour:** May 17, 2006	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse:** Not Applicable	

Depth to water. ~88 ft bgs

If a Watercourse was Impacted, Describe Fully.* Not Applicable

Describe Cause of Problem and Remedial Action Taken.* Approximately 135 bbls of oil were released, with 0 bbls recovered, due to a cow kicking open a valve on the tank battery. The valve was shut off and saturated soil excavated and stockpiled.

Describe Area Affected and Cleanup Action Taken.* Approximately 3,600 square-feet of surface area was impacted by the release. The valve was shut off and saturated soil excavated and stockpiled.

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: Bradley Blevins	OIL CONSERVATION DIVISION	
Printed Name: Bradley Blevins	**Approved by District Supervisor:**	
Title: Field Supervisor	**Approval Date:**	**Expiration Date:**
E-mail Address: bblevins@chkenergy.com	**Conditions of Approval:**	**Attached** ☐
Date: 7-02-07 **Phone:** (505) 391-1462 ext. 6224		

*** Attach Additional Sheets If Necessary**

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

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: Chesapeake Energy	**Contact:** Bradley Blevins
Address: P.O. Box 190	**Telephone No.:** (505) 391-1462 ext. 6224
Facility Name: N. H. 35 #1	**Facility Type:** Tank Battery

Surface Owner: Dan Field	**Mineral Owner:**	**API No.:** 3002530122

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	35	15S	33E	510	South	1,980	East	Lea

Latitude: N 32° 58' 2.28" **Longitude:** W 103° 34' 55.20"

1 RP- 1346

NATURE OF RELEASE

Type of Release: Crude oil	**Volume of Release:** 135 bbls	**Volume Recovered:** 0 bbls
Source of Release: Battery	**Date and Hour of Occurrence:** 16 May 2006 @ 23:30 p.m.	**Date and Hour of Discovery:** 17 May 2006
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	**If YES, To Whom?** Larry Johnson, NMOCD	
By Whom? Bradley Blevins	**Date and Hour:** May 17, 2006	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse:** Not Applicable	

Depth to water. ~88 ft bgs

If a Watercourse was Impacted, Describe Fully.* Not Applicable

Describe Cause of Problem and Remedial Action Taken.* Approximately 135 bbls of oil were released, with 0 bbls recovered, due to a cow kicking open a valve on the tank battery. The valve was shut off and saturated soil excavated and stockpiled.

Describe Area Affected and Cleanup Action Taken.* Approximately 3,600 square-feet of surface area was impacted by the release. The valve was shut off and saturated soil excavated and stockpiled. Soil impacted above NMOCD Remedial Threshold Goals excavated with disposal at Artesia Aeration, L.L.C. Laboratory analysis confirmed removal of soil impacted above NMOCD Remedial Threshold goals in sidewalls and bottom of excavation. Excavated area backfilled with caliche overlain with topsoil in select areas. Remediated site graded for natural drainage of the area and area seeded with a blend suitable to the landowner.

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: Bradley Blevins	OIL CONSERVATION DIVISION
Printed Name: Bradley Blevins	**Approved by District ~~Supervisor~~:** ENVIRO ENGR Johnson
Title: Field Supervisor	**Approval Date:** 7.6.07 **Expiration Date:** —
E-mail Address: bblevins@chkenergy.com	**Conditions of Approval:** — **Attached** ☐
Date: 7-02-07 **Phone:** (505) 391-1462 ext. 6224	

*** Attach Additional Sheets If Necessary**

Environmental Plus Inc

Daily Dispatch

Date 6-18-07			120	Sandy		Off	
Chesapeake			112	Scott			
Berm Completion			PJ Fed Roswell				
F/S	Kirt		120G				
L	Junior		DZ504				
L	Zeb		W130				
Chesapeake			Trico Power				
Berm Completion			Excavate			Shop	
F/S	George		W130			Bud	
L	Jaron		LX290			Eddie,Josh Joe L.	
L	Rene		1 week shut down			Wake	
Site Assesments			Rust Co. Training				
ET	Jacob		6:30 AM	Fabian			
				Tommy			
130027 SS-9 Line				Donnie			
Backfill				Eddie			
F/S	Sebastain			Bodie		Shop	
LW130	Jesus S.					SL120/ Cisco ??	
310G	Raul			Morris		SL120/Old	
200LC	Joe R.			David		122/ no tags	
Thomas ProScreen				Mike		118/ Spring	
						310G trans lubbock	
130022 Hobbs Booster						106	
ET	Kirby					108	
			Haul Caliche to yard				
			F/S	Danny		Yard	
			W130	Eddie		Shaker	
			D6M	Jesus A.		Shredder	
			122	Jesus V		PU06	
			119	Johnny		200LC	
			117	Donna		LX210	
			114	Royce		D6H	
			116	ViVi		JD4960	
			108	Aldeberto		310E	
6/19/2007			106	Lex		310SG	
Drill for Highlander						121	
			160180 Benson Shugart				
			310SG	Haul to yard			
			544G	Haul to yard			
Sales	Eddie Joe						