



3.2.06
WTR 31'
WILL CLEAN OUT
'HOT SPOTS' - INSTALL
BARRIER
JD

SITE CHARACTERIZATION

BARBER-ADKINS NO. 8-2 DRILLING PIT

REF: 160015

UL-L (NW¼ OF THE SW¼) OF SECTION 8, T20S, R37E

~13.5 MILES SOUTHWEST OF HOBBS

LEA COUNTY, NEW MEXICO

LATITUDE: N 32° 35' 05.0"

LONGITUDE: W 103° 16' 49.5"

DECEMBER 2005

Prepared By:

Environmental Plus, Inc.

2100 Avenue O

P.O. Box 1558

Eunice, NM 88231

Phone: (505)394-3481

FAX: (505)394-2601

dduncan@envplus.net



application - PAC0606154880

Distribution List

Site Characterization Report

Barber-Adkins No. 8-2

Ref. #160015

Name	Title	Company or Agency	Mailing Address	e-mail
Larry Johnson	Environmental Engineer	New Mexico Oil Conservation Division- Hobbs	1625 N. French Drive Hobbs, NM 88240	lwjohnson@state.nm.us
Bradley Blevins	Field Supervisor	Chesapeake Operating, Inc.	P.O. Box 190 Hobbs, New Mexico 88240-0190	bblevins@chkenergy.com
Jace Marshall	Safety and Environmental Representative	Chesapeake Energy	6100 N. Western Avenue Oklahoma City, OK 73118	jmarshall2@chkenergy.com
Curtis Blake	Superintendent	Chesapeake Operating, Inc.	P.O. Box 190 Hobbs, New Mexico 88240-0190	cblake@chkenergy.com
Jimmie T. Cooper	Property Owner	--	P.O. Box 55 Monument, New Mexico 88265	(505) 397-2045 (Home Phone) (505) 369-7108 (Mobile)
File	--	Environmental Plus, Inc.	2100 Avenue O P.O. Box 1558 Eunice, NM 88231	dduncan@envplus.net

STANDARD OF CARE

Site Characterization

Barber-Adkins #8-2 Drilling Pit Ref. #160015

The information provided in this report was collected consistent with the New Mexico Oil Conversation 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, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental and/or natural sciences.

This report was prepared by:

David P. Duncan
Civil Engineer

Date

This report was reviewed by:

Iain A. Olness, P.G.
Hydrogeologist

Date

Table of Contents

1.0	Summary	1
2.0	Site Description	1
2.1	Geological Description.....	1
2.2	Ecological Description	1
2.3	Area Groundwater.....	2
2.4	Area Water Wells.....	2
2.5	Area Surface Water Features.....	2
3.0	NMOCD Site Ranking.....	2
4.0	Subsurface Soil Investigation	3
5.0	Groundwater Investigation	3
6.0	Remediation Process.....	3

FIGURES

Figure 1: Area Map

Figure 2: Site & Well Location Map

Figure 3: Site Map

Figure 4: Excavation and Sample Location Map

Figure 5: Excavation and Sample Location Map

TABLES

Table 1: Summary of Soil Analytical Results

Table 2: Well Data

APPENDICES

Appendix I: Laboratory Analytical Reports and Chain-of-Custody Forms

Appendix II: Project Photographs

Appendix III: Informational Copy of the NMOCD C-103 Form

1.0 Summary

On June 29, 2005, Chesapeake Operating, Inc. retained Environmental Plus, Inc. (EPI) to conduct drill pit closure work consistent with NMOCD Pit and Below-Grade Tank Guidelines (November, 2004) on the Barber-Adkins No. 8-2 drilling pit. The site is located in Lea County, New Mexico in the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 08, Township 20 South, Range 37 East. More specifically, the site is located approximately 14.0 miles southwest of Hobbs, New Mexico on property owned by Mr. Jimmy Cooper (reference *Figure 1 & 2*).

EPI performed GPS surveying, photography and characterization of the site on June 29, 2005. Form C-103 was submitted to the New Mexico Oil Conservation Division (NMOCD) on October 18, 2005 documenting the site and proposed operations. The drilling pit surface area was approximately 9,340 square feet (ft²) with a depth of ± 6 -feet below ground surface (bgs) (reference *Figure 3*).

From October 18 through October 26, 2005, EPI personnel excavated and transported approximately 2,530 cubic yards (yd³) of material from the drill pit to Sundance Services, Inc. of Eunice, New Mexico for disposal. On October 26, 2005 grab samples were collected from thirteen (13) sample points (SP) excavated beneath the pit floor (reference *Figure 4*). Each sample was analyzed in the field for the presence of organic vapors and chloride concentrations utilizing a MiniRae[®] photoionization detector (PID) equipped with a 9.8 electronvolt (eV) lamp and a LaMotte Chloride Test Kit, respectively. Field analytical results for organic vapor concentrations ranged from 2.2 parts per million (ppm) to 43.0 ppm while chloride concentrations ranged from 200 mg/Kg to 3,360 mg/Kg (reference *Table 1*).

On November 16, 2005, nine (9) grab samples were collected from the bottom and eight (8) from the side walls of the excavated drill pit (reference *Figure 5*). A portion of each sample was placed in laboratory provided containers and immediately put on ice for transport to Environmental Lab of Texas, Odessa, Texas, for quantification of total petroleum hydrocarbon (TPH), sulfate, chloride, benzene, toluene, ethylbenzene and total xylene concentrations (reference *Appendix I*). The remaining portion of each sample was analyzed in the field for the presence of organic vapor and chloride concentrations utilizing a MiniRae[®] PID equipped with a 9.8 eV lamp and a LaMotte Chloride Test Kit, respectively. Field analytical results indicated organic vapor concentrations ranged from 0.5 ppm to 7.3 ppm while chloride concentrations ranged from 240 mg/Kg to >8,000 mg/Kg (reference *Table 1*).

2.0 Site Description

2.1 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 intergrade 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 interbed of caliche and generally overlain by sandy soil."

The drill pit is located in the Eunice Plain physiographic subdivision, described by Nicholson & Clebsch as an area "underlain by a hard caliche surface and is almost entirely covered by reddish-brown dune sand." The thickness of the sand cover ranges from 2-5 feet in most areas to as much as 20-30 feet in drift areas.

2.2 Ecological Description

The area is typically 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.

2.3 Area Groundwater

The unconfined groundwater aquifer at this site is projected to be <50-ft bgs based on water depth data obtained from the New Mexico State Engineers Office and the United States Geological Survey data base. No groundwater was encountered during excavation of the drilling mud or from the soil sample points dug in the bottom of the drill pit. Groundwater gradient in this area is generally to the west-southwest.

2.4 Area Water Wells

There are no water supply wells located within a 1,000- foot radius of the release site (reference Figure 2).

2.5 Area Surface Water Features

There are no surface water bodies within a 1,000-foot radius 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); and
- ◆ 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 20 points with the soil remedial goals highlighted in the Site Ranking table presented below:

1. Ground Water	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) = 20 + 0 + 0 = 20 points			
Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	20 or >	10	0
Benzene	10 ppm	10 ppm	10 ppm
BTEX	50 ppm	50 ppm	50 ppm
TPH	100 ppm	1,000 ppm	5,000 ppm

4.0 Subsurface Soil Investigation

Excavation of pit contents commenced on October 18, 2005 and continued through October 26, 2005. Approximately 2,530 cubic yards of drilling mud were excavated and disposed at Sundance Services, Inc., of Eunice, New Mexico.

On October 26, 2005, thirteen (13) grab samples were collected from sample points at various locations in the drill pit bottom (reference *Figure 4*). A portion of each randomly selected sample was tested for organic vapors utilizing a MiniRae® photoionization detector (PID) equipped with a 9.8 electron-volt (eV) lamp. Field analytical results indicated organic vapor concentrations ranged from 2.2 parts per million (ppm) to 43.0 ppm. The remaining portion was analyzed in the field for chloride concentrations utilizing a LaMotte Chloride Test Kit. Field analyses indicated chloride concentrations ranged from 200 mg/Kg to 3,360 mg/Kg (reference *Table 1*).

On November 16, 2005, nine (9) grab samples were collected from the bottom and eight (8) from the side walls of the drill pit excavation. A portion of each sample was placed in laboratory provided containers and immediately put on ice for transport to Environmental Lab of Texas, Odessa, Texas, for quantification of total petroleum hydrocarbon (TPH), sulfate, chloride, benzene, toluene, ethylbenzene and total xylene concentrations (reference *Appendix I*). The remaining portion of each sample was analyzed in the field for the presence of organic vapors utilizing a MiniRae® PID equipped with a 9.8 eV lamp. Field analytical results indicated organic vapor concentrations ranging from 0.05 ppm to 7.3 ppm. Chloride was analyzed utilizing a LaMotte Chloride Test Kit. Field analytical results indicated chloride concentrations ranged from 240 mg/Kg to >8,000 mg/Kg (reference *Table 1*).

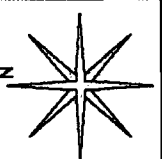
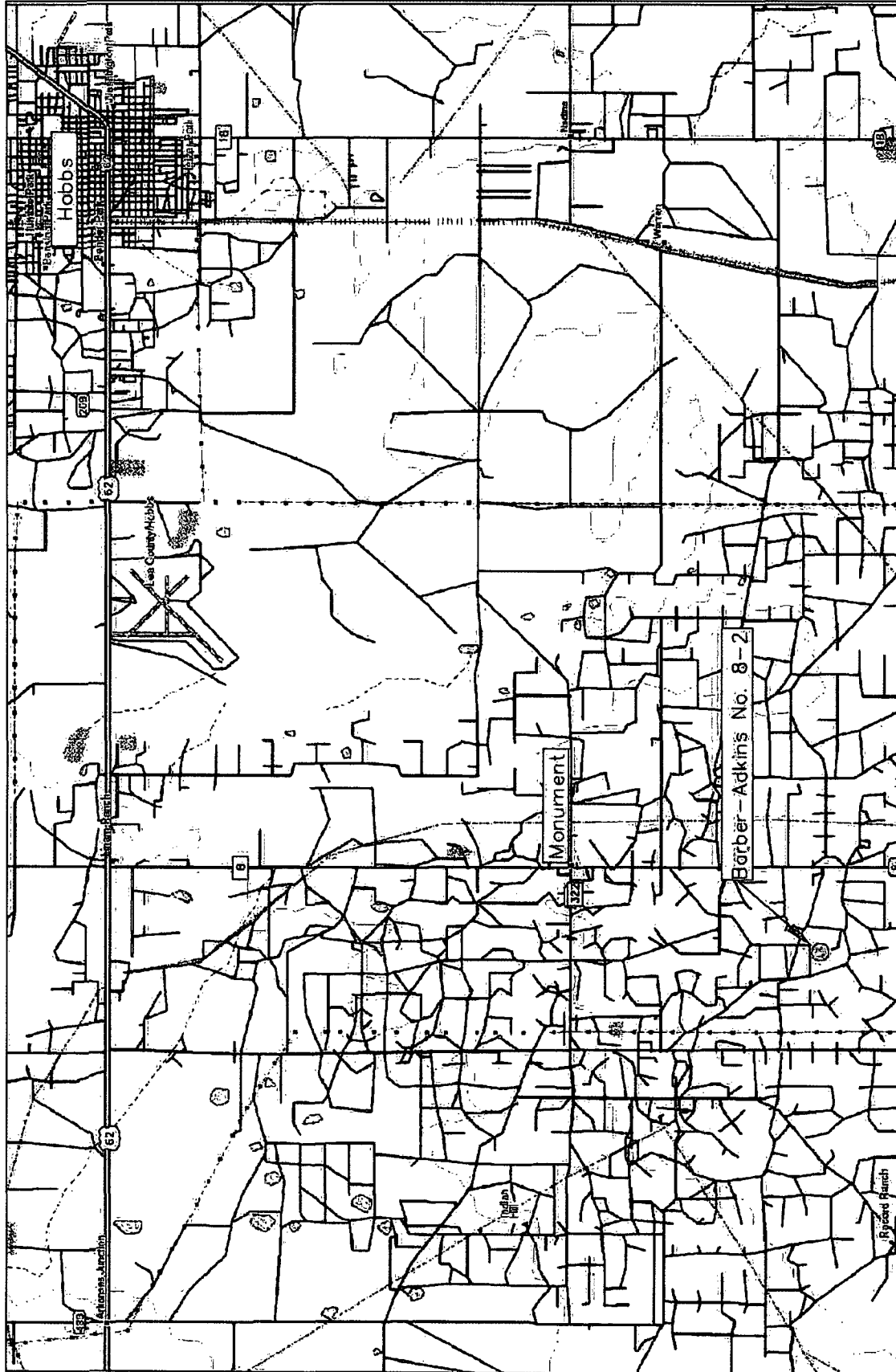
5.0 Groundwater Investigation

The projected depth to groundwater at this site is <50-ft bgs based on data noted above in Section 2.3, *Area Groundwater*. Most of the soil impacted above the NMOCD remedial thresholds for TPH constituents have been removed from the pit and disposed at Sundance Services, Inc., of Eunice, New Mexico.

6.0 Remediation Process

Excavation of the drilling pit contents commenced on October 18, 2005 and continued through October 26, 2005. Approximately 2,530 cubic yards of drilling mud were disposed at Sundance Services, Inc., of Eunice, New Mexico.

FIGURES



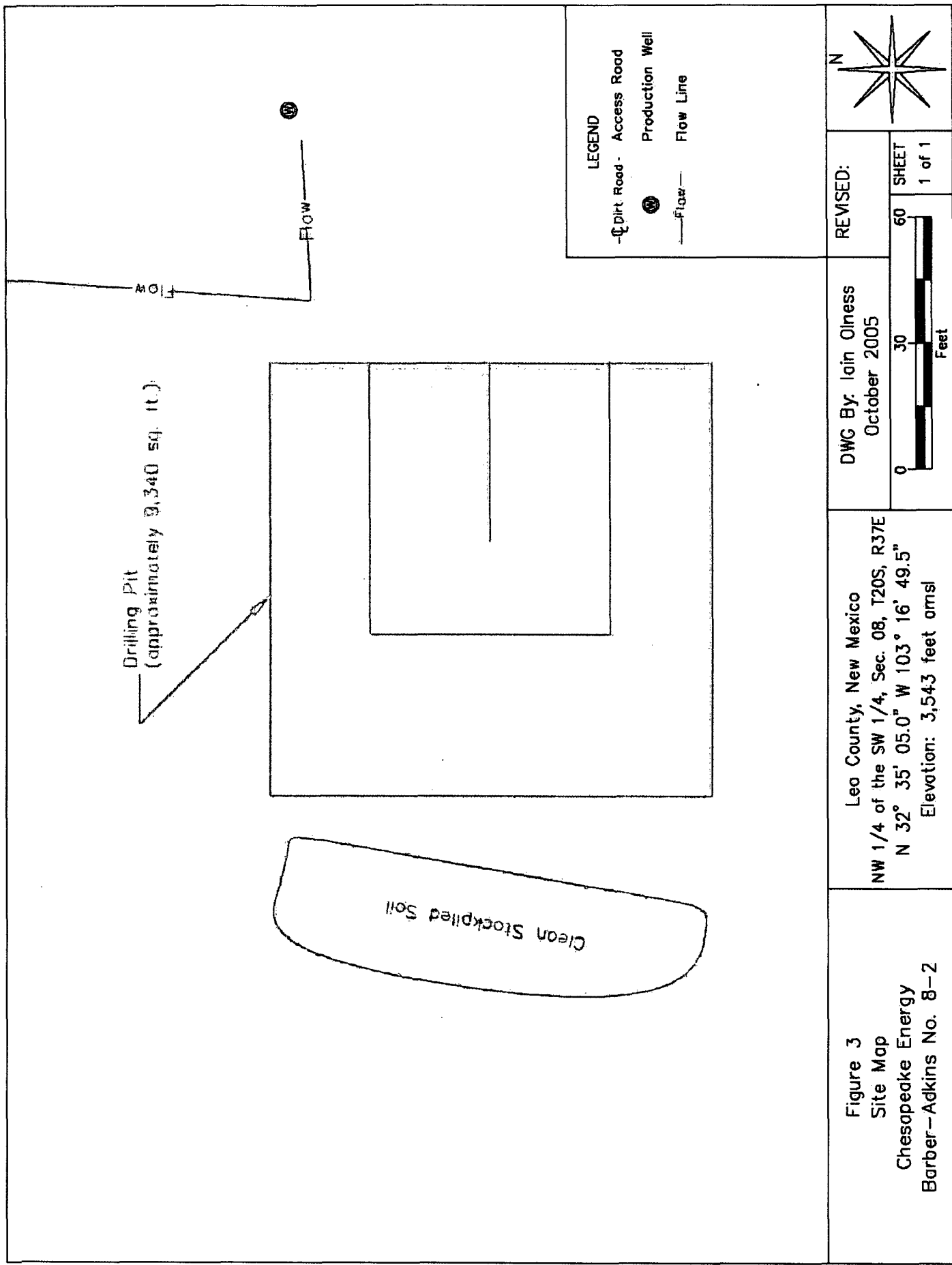
REVISED:
 DWG By: Iain Olness
 October 2005

0 1.5 3.0
 Miles

SHEET
 1 of 1

Lea County, New Mexico
 NW 1/4 of the SW 1/4, Sec. 08, T20S, R37E
 N 32° 35' 05.0" W 103° 16' 49.5"
 Elevation: 3,543 feet amsl

Figure 1
 Area Map
 Chesapeake Energy
 Barber-Adkins No. 8-2



TABLES

TABLE 1

Summary of Soil Sample Laboratory Analytical Results

Chesapeake Energy - Barber-Adkins No. 8-2 (Ref.# 160015)

Sample I.D.	Depth (feet)	Sample Date	PID Field Analyses (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toulene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (p/m)	Xylene (mg/Kg)	Total BTEX (mg/Kg)	TPH (as Diesel) (mg/Kg)	TPH (as gasoline) (mg/Kg)	Total TPH (mg/Kg)	Sulfates (SO ₄ ²⁻) (mg/Kg)	Chloride (mg/Kg)
NEC-O	6	26-Oct-05	18.0	3,360	--	--	--	--	--	--	--	--	--	--	--
NC-O	6	26-Oct-05	16.5	1,600	--	--	--	--	--	--	--	--	--	--	--
NWC-O	6	26-Oct-05	7.0	6,800	--	--	--	--	--	--	--	--	--	--	--
WC-O	6	26-Oct-05	18.7	400	--	--	--	--	--	--	--	--	--	--	--
SWC-O	6	26-Oct-05	21.2	200	--	--	--	--	--	--	--	--	--	--	--
SC-O	6	26-Oct-05	22.5	1,200	--	--	--	--	--	--	--	--	--	--	--
SWC-O	6	26-Oct-05	14.3	200	--	--	--	--	--	--	--	--	--	--	--
NWC-N	6	26-Oct-05	17.4	400	--	--	--	--	--	--	--	--	--	--	--
NEC-N	6	26-Oct-05	13.1	--	--	--	--	--	--	--	--	--	--	--	--
SEC-N	6	26-Oct-05	43.0	--	--	--	--	--	--	--	--	--	--	--	--
SWC-N	6	26-Oct-05	36.4	400	--	--	--	--	--	--	--	--	--	--	--
NEC-#2N	6	26-Oct-05	14.2	7,000	--	--	--	--	--	--	--	--	--	--	--
SEC-#2N	6	26-Oct-05	2.2	400	--	--	--	--	--	--	--	--	--	--	--
SWEF	6"	16-Nov-05	7.3	2,080	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	371	22.8	394	522	3,210
WCEF	6"	16-Nov-05	1.8	2,080	--	--	--	--	--	--	<10.0	<10.0	<10.0	197	1,930
NWEF	6"	16-Nov-05	0.9	4,000	--	--	--	--	--	--	<10.0	<10.0	<10.0	526	3,640
NCEF	6"	16-Nov-05	0.8	>8,000	--	--	--	--	--	--	<10.0	<10.0	<10.0	888	10,700
NEEF	6"	16-Nov-05	0.8	240	--	--	--	--	--	--	<10.0	<10.0	<10.0	94.4	106
SEEF	6"	16-Nov-05	1.7	2,080	--	--	--	--	--	--	501	30.4	531	461	2,230
SCEF	6"	16-Nov-05	2.3	1,840	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	132	14.9	147	165	1,700
CEEF	6"	16-Nov-05	0.7	1,520	--	--	--	--	--	--	<10.0	<10.0	<10.0	103	1,500
TECEF	6"	16-Nov-05	0.9	>8,000	--	--	--	--	--	--	<10.0	<10.0	<10.0	2,080	35,100
ESW-N	3'	16-Nov-05	0.5	3,040	--	--	--	--	--	--	<10.0	<10.0	<10.0	163	2,680
ESW-S	3'	16-Nov-05	1.0	240	--	--	--	--	--	--	<10.0	<10.0	<10.0	50.7	77.4
SSW-E	3'	16-Nov-05	0.9	240	--	--	--	--	--	--	<10.0	<10.0	<10.0	28.7	12.4
SSW-W	3'	16-Nov-05	0.6	880	--	--	--	--	--	--	<10.0	<10.0	<10.0	134	1,120
WSW-S	3'	16-Nov-05	0.8	1,200	--	--	--	--	--	--	<10.0	<10.0	<10.0	66	1,310
WSW-N	3'	16-Nov-05	0.7	>8,000	--	--	--	--	--	--	<10.0	<10.0	<10.0	911	13,300
NSW-W	3'	16-Nov-05	1.1	480	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<10.0	<10.0	<10.0	79.9	278
NSW-E	3'	16-Nov-05	0.7	240	--	--	--	--	--	--	<10.0	<10.0	<10.0	30.3	63.1
NMOC Remedial Thresholds															250 ²
Bolded values are in excess of NMOC Remediation Thresholds															50

¹ Estimated concentration; analyte detected below method detection limits² Chloride residuals may not be capable of impacting local groundwater above the NMWQCC standards of 250 mg/L.³ Sulfate (SO₄²⁻) residuals may not be capable of impacting local groundwater above the NMWQCC standards of 600 mg/L.

-- Not Analyzed

TABLE 2

Well Data

Chesapeake Energy Barber-Adkins No. 8-2 (Ref. #160015)

Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Well Depth (ft bgs)	Depth to Water (ft bgs)
L 02460	3	Moran Drilling Co.	PRO	20 S	37 E	07 2 1	N 32° 35' 28.41"	W 103° 17' 25.25"	09-Jan-54	82	38
L 02533	0	Moran Drilling Co.	PRO	20 S	37 E	07 2 3	N 32° 35' 15.33"	W 103° 17' 25.23"	24-Apr-54	82	34
USGS #1				20 S	37 E	07 1 3 1			10-Apr-68		27.04
USGS #2				20 S	37 E	07 2 4 3			29-Jan-91		25.06
USGS #3				20 S	37 E	07 2 4 3			29-Mar-54		26.37
USGS #4				20 S	37 E	07 4 3 2			10-Apr-68		26.44
L 01450	3	Ohio Oil Co.	PRO	20 S	37 E	05 1 3	N 32° 36' 7.65"	W 103° 16' 54.36"			
L 01572	3	Exploration Drilling Co.	PRO	20 S	37 E	05 3 3 1	N 32° 35' 41.47"	W 103° 16' 54.37"	16-Sep-52	70	
L 02102	3	E. F. Moran, Inc.	PRO	20 S	37 E	05 3 4	N 32° 35' 41.43"	W 103° 16' 38.9"	20-Mar-53	70	46
L 02278	3	Laughlin Estate	DOM	20 S	37 E	05 4 3	N 32° 35' 41.39"	W 103° 16' 23.43"	01-Feb-61	65	37
L 02488	3	The Texas Co.	PRO	20 S	37 E	05 2 3	N 32° 36' 7.57"	W 103° 16' 23.45"	03-Feb-54	63	32
L 02497	3	Amerada Petroleum Corp.	PRO	20 S	37 E	05 3 3 3	N 32° 35' 41.47"	W 103° 16' 54.37"	10-Mar-54		35
L 02501	3	Amerada Petroleum Corp.	PRO	20 S	37 E	05 3 3 3	N 32° 35' 41.47"	W 103° 16' 54.37"			
L 09779	3	Dolores Nash Davis	DOM	20 S	37 E	05 2 2 2	N 32° 36' 20.62"	W 103° 16' 8.01"	15-Jan-85	50	40
USGS #5				20 S	37 E	05 1 3 4			14-Mar-06		30.75
USGS #6				20 S	37 E	05 2 2 2			30-Jan-76		26.82
USGS #7				20 S	37 E	05 3 3 3			10-Apr-68		30.2
L 01145	3	Gulf Oil Corporation	PRO	20 S	37 E	06 4 1 4	N 32° 35' 54.6"	W 103° 17' 25.25"	01-May-37	75	35
L 01487	3	Gulf Oil Corporation	PRO	20 S	37 E	06 4 1 4	N 32° 35' 54.6"	W 103° 17' 25.25"			
L 02553	3	Gulf Oil Corporation	PRO	20 S	37 E	06 4 3 4	N 32° 35' 41.49"	W 103° 17' 25.26"	13-May-54	85	40
L 02801	3	Amerada Petroleum Corp.	PRO	20 S	37 E	06 2 3 3	N 32° 36' 7.7"	W 103° 17' 25.24"			
L 03810	3	The Texas Co.	PRO	20 S	37 E	06 1 4 4	N 32° 36' 7.72"	W 103° 17' 40.67"	09-Mar-58	86	37
L 04619	3	Gulf Oil Corporation	PRO	20 S	37 E	06 4 2 3	N 32° 35' 54.58"	W 103° 17' 9.81"	29-Mar-61	86	36
USGS #8				20 S	37 E	06 1 1 3			12-Feb-81		22.94
USGS #9				20 S	37 E	06 3 3 4			23-Jan-96		28.81
L 01253	3	Gulf Oil Corporation	PRO	20 S	37 E	08 2 3 1	N 32° 35' 15.21"	W 103° 16' 23.42"			
A 02139	3	Gackle Drilling Co.	PRO	20 S	37 E	08 2 2 2	N 32° 35' 28.26"	W 103° 16' 7.95"	19-Mar-53	80	38
L 02274	3	Sinclair Oil & Gas Co.	PRO	20 S	37 E	08 1 3	N 32° 35' 15.28"	W 103° 16' 54.35"	05-Jul-53	70	38
L 02463	3	Amerada Petroleum Corp.	PRO	20 S	37 E	08 3 2 1	N 32° 35' 2.16"	W 103° 16' 38.87"	22-Jan-54	86	30
L 02483	3	Moran Drilling Co.	PRO	20 S	37 E	08 1 4 4	N 32° 35' 15.25"	W 103° 16' 38.88"	16-Feb-54	84	34
L 07619	15.57	Jim Cooper	IRR	20 S	37 E	08 4 2 2	N 32° 35' 2.08"	W 103° 16' 7.95"			
L 07619 S		Jim Cooper	IRR	20 S	37 E	08 4 1 1	N 32° 35' 2.12"	W 103° 16' 23.41"			
L 09590	3	Jimmy Cooper	DOM	20 S	37 E	08 4	N 32° 34' 49.04"	W 103° 16' 23.41"	03-Dec-84	70	35
L 09594	0	Jimmy Cooper	DOM	20 S	37 E	08 4 2	N 32° 35' 2.08"	W 103° 16' 7.95"			
L 09890	0	Jimmy Cooper	EXP	20 S	37 E	08 4	N 32° 34' 49.04"	W 103° 16' 23.41"	03-Dec-84	70	35

TABLE 2

Well Data

Chesapeake Energy Barber-Adkins No. 8-2 (Ref. #160015)

Well Number	Diversion ^A	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Well Depth (ft bgs)	Depth to Water (ft bgs)
USGS #10				20 S	37 E	08 4 2 3			04-Feb-76		19.86
USGS #11				20 S	37 E	08 4 2 4			03-Mar-66		40.43
USGS #12				20 S	37 E	17 1 3 2			23-Jan-96		26.6
USGS #13				20 S	37 E	18 2 1 2			29-Jan-91		27.28
L 03188	3	Amerada Petroleum Corp.	PRO	20 S	36 E	01 4 1 2	N 32° 35' 54.66"	W 103° 18' 26.59"			
L 03814	3	W. C. Byrd	DOM	20 S	36 E	01 2 2 2	N 32° 36' 20.84"	W 103° 18' 11.05"	04-Sep-58	60	40
USGS #14				20 S	36 E	01 4 1 2			11-Apr-68		26.28
USGS #15				20 S	36 E	12 1 4 1			11-Apr-68		29.65R
USGS #16				20 S	36 E	12 2 2 2			27-Jan-71		28.25
USGS #17				20 S	36 E	12 2 4 4			08-Sep-67		27.72
									01-Mar-61		25.65

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/WATERS/wr_RegisServlet1) and a USGS Database on file at EPI's Office.
Well locations shown on Figure 2

^A = in acre feet per annum

PRO = 72-12-1 Prospecting or Development of a Natural Resource

IRR = Irrigation

DOM = Domestic

EXP = Exploration

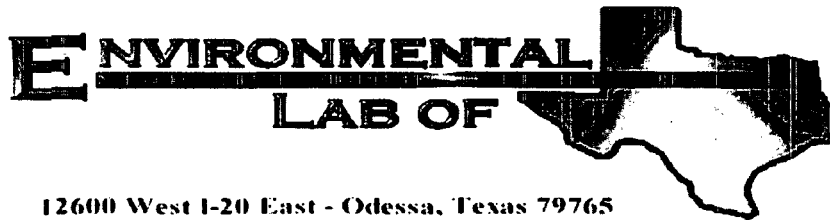
quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are biggest to smallest

APPENDIX I

LABORATORY ANALYTICAL REPORTS

AND

CHAIN-OF-CUSTODY FORM



Analytical Report

Prepared for:

Iain Olness

Environmental Plus, Incorporated

P.O. Box 1558

Eunice, NM 88231

Project: Chesapeake/ Barber Adkins 8-2

Project Number: 160015

Location: UL-L, Sect. 08, T 20 S, R 37 E

Lab Order Number: 5K17011

Report Date: 11/28/05

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWEF (6 inch)	5K17011-01	Soil	11/16/05 07:00	11/17/05 13:50
WCEF (6 inch)	5K17011-02	Soil	11/16/05 07:10	11/17/05 13:50
NWEF (6 inch)	5K17011-03	Soil	11/16/05 07:20	11/17/05 13:50
NCEF (6 inch)	5K17011-04	Soil	11/16/05 07:30	11/17/05 13:50
NEEF (6 inch)	5K17011-05	Soil	11/16/05 07:40	11/17/05 13:50
SEEF (6 inch)	5K17011-06	Soil	11/16/05 07:50	11/17/05 13:50
SCEF (6 inch)	5K17011-07	Soil	11/16/05 08:00	11/17/05 13:50
CEF (6 inch)	5K17011-08	Soil	11/16/05 08:10	11/17/05 13:50
ECEF (6 inch)	5K17011-09	Soil	11/16/05 08:20	11/17/05 13:50
ESW-N (3')	5K17011-10	Soil	11/16/05 08:30	11/17/05 13:50
ESW-S (3')	5K17011-11	Soil	11/16/05 08:40	11/17/05 13:50
SSW-E (3')	5K17011-12	Soil	11/16/05 08:50	11/17/05 13:50
SSW-W (3')	5K17011-13	Soil	11/16/05 09:00	11/17/05 13:50
WSW-W (3')	5K17011-14	Soil	11/16/05 09:10	11/17/05 13:50
WSW-N (3')	5K17011-15	Soil	11/16/05 09:20	11/17/05 13:50
NSW-W (3')	5K17011-16	Soil	11/16/05 09:30	11/17/05 13:50
NSW-E (3')	5K17011-17	Soil	11/16/05 09:40	11/17/05 13:50

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWEF (6 inch) (5K17011-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK51813	11/18/05	11/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,-Trifluorotoluene		105 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	22.8	10.0	"	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	371	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	394	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		95.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		104 %	70-130		"	"	"	"	
WCEF (6 inch) (5K17011-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		71.8 %	70-130		"	"	"	"	
NWEF (6 inch) (5K17011-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.4 %	70-130		"	"	"	"	
NCEF (6 inch) (5K17011-04) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		88.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.2 %	70-130		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 14

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
NEEF (6 inch) (5K17011-05) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.2 %	70-130		"	"	"	"	
SEEF (6 inch) (5K17011-06) Soil									
Gasoline Range Organics C6-C12	30.4	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	501	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	531	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		107 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		128 %	70-130		"	"	"	"	
SCEF (6 inch) (5K17011-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK51813	11/18/05	11/18/05	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		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.0 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	14.9	10.0	"	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	132	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	147	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		89.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.4 %	70-130		"	"	"	"	
CEF (6 inch) (5K17011-08) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		82.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		82.6 %	70-130		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 14

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

Project: Chesapeake/ Barber Adkins 3-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ECEF (6 Inch) (5K17011-09) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		82.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.6 %	70-130		"	"	"	"	
ESW-N (3') (5K17011-10) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.8 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		79.8 %	70-130		"	"	"	"	
ESW-S (3') (5K17011-11) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/18/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		83.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		73.0 %	70-130		"	"	"	"	
SSW-E (3') (5K17011-12) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		87.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		71.6 %	70-130		"	"	"	"	
SSW-W (3') (5K17011-13) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		84.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.0 %	70-130		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 14

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WSW-W (3') (5K17011-14) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		92.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		75.2 %	70-130		"	"	"	"	
WSW-N (3') (5K17011-15) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		81.6 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.8 %	70-130		"	"	"	"	
NSW-W (3') (5K17011-16) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK51813	11/18/05	11/18/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a-Trifluorotoluene		97.4 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	"	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		72.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		73.4 %	70-130		"	"	"	"	
NSW-E (3') (5K17011-17) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK51815	11/18/05	11/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		91.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		76.4 %	70-130		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 14

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SWEF (6 inch) (5K17011-01) Soil									
Chloride	3210	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	4.9	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	522	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
WCEF (6 inch) (5K17011-02) Soil									
Chloride	1930	25.0	mg/kg	50	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	6.4	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	197	25.0	mg/kg	50	EK52111	11/18/05	11/21/05	EPA 300.0	
NWEF (6 inch) (5K17011-03) Soil									
Chloride	3640	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	7.8	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	526	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
NCEF (6 inch) (5K17011-04) Soil									
Chloride	10700	200	mg/kg	400	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	7.2	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	888	200	mg/kg	400	EK52111	11/18/05	11/21/05	EPA 300.0	
NEEF (6 inch) (5K17011-05) Soil									
Chloride	106	5.00	mg/kg	10	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	1.5	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	94.4	5.00	mg/kg	10	EK52111	11/18/05	11/21/05	EPA 300.0	
SEEF (6 inch) (5K17011-06) Soil									
Chloride	2230	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	2.3	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	461	50.0	mg/kg	100	EK52111	11/18/05	11/21/05	EPA 300.0	
SCEF (6 inch) (5K17011-07) Soil									
Chloride	1700	25.0	mg/kg	50	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	2.6	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	165	25.0	mg/kg	50	EK52111	11/18/05	11/21/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 14

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

Project: Chesapeake/ Barber Adkins 3-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CEF (6 inch) (5K17011-08) Soil									
Chloride	1300	20.0	mg/kg	40	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	0.4	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	103	20.0	mg/kg	40	EK52111	11/18/05	11/21/05	EPA 300.0	
ECEF (6 inch) (5K17011-09) Soil									
Chloride	35100	500	mg/kg	1000	EK52111	11/18/05	11/21/05	EPA 300.0	
% Moisture	10.7	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	2080	500	mg/kg	1000	EK52111	11/18/05	11/21/05	EPA 300.0	
ESW-N (3') (5K17011-10) Soil									
Chloride	2680	50.0	mg/kg	100	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	4.5	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	163	50.0	mg/kg	100	EK52112	11/18/05	11/21/05	EPA 300.0	
ESW-S (3') (5K17011-11) Soil									
Chloride	77.4	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	13.7	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	50.7	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	
SSW-E (3') (5K17011-12) Soil									
Chloride	12.4	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	7.8	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	28.7	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	
SSW-W (3') (5K17011-13) Soil									
Chloride	1120	20.0	mg/kg	40	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	13.3	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	134	20.0	mg/kg	40	EK52112	11/18/05	11/21/05	EPA 300.0	
WSW-W (3') (5K17011-14) Soil									
Chloride	1310	20.0	mg/kg	40	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	8.6	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	66.0	20.0	mg/kg	40	EK52112	11/18/05	11/21/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 14

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WSW-N (3') (5K17011-15) Soil									
Chloride	13300	200	mg/kg	400	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	9.0	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	911	200	mg/kg	400	EK52112	11/18/05	11/21/05	EPA 300.0	
NSW-W (3') (5K17011-16) Soil									
Chloride	278	10.0	mg/kg	20	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	7.3	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	79.9	10.0	mg/kg	20	EK52112	11/18/05	11/21/05	EPA 300.0	
NSW-E (3') (5K17011-17) Soil									
Chloride	63.1	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	
% Moisture	4.2	0.1	%	1	EK51804	11/17/05	11/18/05	% calculation	
Sulfate	30.3	5.00	mg/kg	10	EK52112	11/18/05	11/21/05	EPA 300.0	

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

Project: Chesapeake/ Barber Adkins S-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

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 EK51813 - EPA 5030C (GC)										
Blank (EK51813-BLK1)				Prepared & Analyzed: 11/18/05						
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	0.0414		"	0.0400		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.0431		"	0.0400		108	80-120			
LCS (EK51813-BS1)				Prepared & Analyzed: 11/18/05						
Benzene	0.0553	0.00100	mg/kg wet	0.0500		111	80-120			
Toluene	0.0600	0.00100	"	0.0500		120	80-120			
Ethylbenzene	0.0578	0.00100	"	0.0500		116	80-120			
Xylene (p/m)	0.105	0.00100	"	0.100		105	80-120			
Xylene (o)	0.0568	0.00100	"	0.0500		114	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0441		"	0.0400		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.0357		"	0.0400		89.2	80-120			
Calibration Check (EK51813-CCV1)				Prepared & Analyzed: 11/18/05						
Benzene	52.6		ug/kg	50.0		105	80-120			
Toluene	55.6		"	50.0		111	80-120			
Ethylbenzene	52.2		"	50.0		104	80-120			
Xylene (p/m)	95.0		"	100		95.0	80-120			
Xylene (o)	51.3		"	50.0		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0468		mg/kg wet	0.0400		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.0347		"	0.0400		86.8	80-120			
Matrix Spike (EK51813-MS1)				Source: 5K17010-06	Prepared & Analyzed: 11/18/05					
Benzene	1.39	0.0250	mg/kg dry	1.34	ND	104	80-120			
Toluene	1.42	0.0250	"	1.34	ND	106	80-120			
Ethylbenzene	1.34	0.0250	"	1.34	ND	100	80-120			
Xylene (p/m)	2.50	0.0250	"	2.67	ND	93.6	80-120			
Xylene (o)	1.34	0.0250	"	1.34	ND	100	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0492		"	0.0427		115	80-120			
Surrogate: 4-Bromofluorobenzene	0.0344		"	0.0427		80.6	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 14

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

Project: Chesapeake/ Barber Adkins 3-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

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 EK51813 - EPA 5030C (GC)

Matrix Spike Dup (EK51813-MSD1)		Source: 5K17010-06		Prepared & Analyzed: 11/18/05						
Benzene	1.43	0.0250	mg/kg dry	1.34	ND	107	80-120	2.84	20	
Toluene	1.54	0.0250	"	1.34	ND	115	80-120	8.14	20	
Ethylbenzene	1.57	0.0250	"	1.34	ND	117	80-120	15.7	20	
Xylene (p/m)	2.87	0.0250	"	2.67	ND	107	80-120	13.4	20	
Xylene (o)	1.55	0.0250	"	1.34	ND	116	80-120	14.8	20	
Surrogate: a,a,a-Trifluorotoluene	0.0500		"	0.0427		117	80-120			
Surrogate: 4-Bromofluorobenzene	0.0496		"	0.0427		116	80-120			

Batch EK51815 - Solvent Extraction (GC)

Blank (EK51815-BLK1)		Prepared & Analyzed: 11/18/05								
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	40.1		mg/kg	50.0		80.2	70-130			
Surrogate: 1-Chlorooctadecane	35.7		"	50.0		71.4	70-130			

LCS (EK51815-BS1)		Prepared & Analyzed: 11/18/05								
Gasoline Range Organics C6-C12	394	10.0	mg/kg wet	500		78.8	75-125			
Diesel Range Organics >C12-C35	558	10.0	"	500		112	75-125			
Total Hydrocarbon C6-C35	952	10.0	"	1000		95.2	75-125			
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	70-130			
Surrogate: 1-Chlorooctadecane	48.0		"	50.0		96.0	70-130			

Calibration Check (EK51815-CCV1)		Prepared: 11/18/05 Analyzed: 11/19/05								
Gasoline Range Organics C6-C12	431		mg/kg	500		86.2	80-120			
Diesel Range Organics >C12-C35	584		"	500		117	80-120			
Total Hydrocarbon C6-C35	1020		"	1000		102	80-120			
Surrogate: 1-Chlorooctane	47.6		"	50.0		95.2	70-130			
Surrogate: 1-Chlorooctadecane	64.4		"	50.0		129	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 14

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

Project: Chesapeake/ Barber Adkins 3-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	--------------	-------	-----	--------------	-------

Batch EK51815 - Solvent Extraction (GC)

Matrix Spike (EK51815-MS1)

Source: 5K17011-01

Prepared & Analyzed: 11/18/05

Gasoline Range Organics C6-C12	455	10.0	mg/kg dry	526	22.8	82.2	75-125			
Diesel Range Organics >C12-C35	852	10.0	"	526	371	91.4	75-125			
Total Hydrocarbon C6-C35	1310	10.0	"	1050	394	87.2	75-125			
Surrogate: 1-Chlorooctane	54.4		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	56.4		"	50.0		113	70-130			

Matrix Spike Dup (EK51815-MSD1)

Source: 5K17011-01

Prepared & Analyzed: 11/18/05

Gasoline Range Organics C6-C12	444	10.0	mg/kg dry	526	22.8	80.1	75-125	2.45	20	
Diesel Range Organics >C12-C35	853	10.0	"	526	371	91.6	75-125	0.117	20	
Total Hydrocarbon C6-C35	1300	10.0	"	1050	394	86.3	75-125	0.766	20	
Surrogate: 1-Chlorooctane	55.5		mg/kg	50.0		111	70-130			
Surrogate: 1-Chlorooctadecane	56.9		"	50.0		114	70-130			

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

Project: Chesapeake/ Barber Adkins 3-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

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 EK51804 - General Preparation (Prep)

Blank (EK51804-BLK1)

Prepared: 11/17/05 Analyzed: 11/18/05

% Solids 100 %

Duplicate (EK51804-DUP1)

Source: 5K17002-01

Prepared: 11/17/05 Analyzed: 11/18/05

% Solids 90.2 % 90.2 0.00 20

Batch EK52111 - Water Extraction

Blank (EK52111-BLK1)

Prepared: 11/18/05 Analyzed: 11/21/05

Chloride ND 0.500 mg/kg

Sulfate ND 0.500 "

LCS (EK52111-BS1)

Prepared: 11/18/05 Analyzed: 11/21/05

Sulfate 8.69 mg/L 10.0 86.9 80-120

Chloride 8.42 " 10.0 84.2 80-120

Calibration Check (EK52111-CCV1)

Prepared: 11/18/05 Analyzed: 11/21/05

Chloride 8.73 mg/L 10.0 87.3 80-120

Sulfate 9.03 " 10.0 90.3 80-120

Duplicate (EK52111-DUP1)

Source: 5K17004-01

Prepared: 11/18/05 Analyzed: 11/21/05

Chloride 311 20.0 mg/kg 311 0.00 20

Sulfate 1750 20.0 " 1740 0.573 20

Batch EK52112 - Water Extraction

Blank (EK52112-BLK1)

Prepared: 11/18/05 Analyzed: 11/21/05

Chloride ND 0.500 mg/kg

Sulfate ND 0.500 "

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain Olness

Fax: 505-394-2601
Reported:
11/28/05 08:23

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EK52112 - Water Extraction									
LCS (EK52112-BS1)				Prepared: 11/18/05 Analyzed: 11/21/05					
Sulfate	8.74		mg/L	10.0		87.4	80-120		
Chloride	8.57		"	10.0		85.7	80-120		
Calibration Check (EK52112-CCV1)				Prepared: 11/18/05 Analyzed: 11/21/05					
Sulfate	8.80		mg/L	10.0		88.0	80-120		
Chloride	8.59		"	10.0		85.9	80-120		
Duplicate (EK52112-DUP1)		Source: 5K17011-10		Prepared: 11/18/05 Analyzed: 11/21/05					
Sulfate	152	50.0	mg/kg		163		6.98	20	
Chloride	2770	50.0	"		2680		3.30	20	

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

Project: Chesapeake/ Barber Adkins 8-2
Project Number: 160015
Project Manager: Iain O'ness

Fax: 505-394-2601

Reported:
11/28/05 08:23

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: 11/28/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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

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

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.


Page 14 of 14

Environmental Plus, Inc.

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

P.O. Box 1558, Eunice, NM 88231

Chain of Custody Form

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 Barber Adkins 8-2 Location UL-L, Sect. 08, T 20 S, R 37 E Project Reference 160015 EPI Sampler Name George Blackburn		 Attn: Iain Olness P.O. Box 1558 Eunice, NM 88231		ANALYSIS REQUEST TPH 8015M <input type="checkbox"/> BTX 8021B <input type="checkbox"/> CHLORIDES (Cl) <input type="checkbox"/> SULFATES (SO ₄) <input type="checkbox"/> PH <input type="checkbox"/> TCLP <input type="checkbox"/> OTHER >> <input type="checkbox"/> PAH <input type="checkbox"/>											
LAB I.D.	SAMPLE I.D.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		TIME	
			GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE			
-01 SWEF (6")		G 1			1						X			16-Nov-05	7:00
-02 WCEF (6")		G 1			1						X			16-Nov-05	7:10
-03 NWEF (6")		G 1			1						X			16-Nov-05	7:20
-04 NCEF (6")		G 1			1						X			16-Nov-05	7:30
-05 NEEF (6")		G 1			1						X			16-Nov-05	7:40
-06 SEEF (6")		G 1			1						X			16-Nov-05	7:50
-07 SCEF (6")		G 1			1						X			16-Nov-05	8:00
-08 CEF (6")		G 1			1						X			16-Nov-05	8:10
-09 ECEF (6")		G 1			1						X			16-Nov-05	8:20
-10 ESW-N (3')		G 1			1						X			16-Nov-05	8:30

Sample Requested by: *George Blackburn*

Received by: *Iain Olness*

Date: 11-17-05

Time: 1350

Sample Cool & Intact - 3.0°


Checked By: *Kalander*

E-mail results to: iolness@envplus.net
NOTES: Labels w/ Seals

Environmental Plus, Inc.

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

Chain of Custody Form

Company Name Environmental Plus, Inc.		BUILT TO		ANALYSIS REQUEST																	
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 Barber Adkins B-2																					
Location UL-L, Sect. 08, T 20 S, R 37 E																					
Project Reference 160015																					
EPI Sampler Name George Blackburn																					
 <p>Attn: Iain Olness P.O. Box 1558 Eunice, NM 88231</p>																					
LAB I.D.	SAMPLE I.D.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		BTX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO ₄)	PH	TCLP	OTHER >>>	PAH	
			GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER	DATE									TIME
-11 ESW-S (3')		G 1			1							X			X	X	X				
-12 SSW-E (3')		G 1			1							X			X	X	X				
-13 SSW-W (3')		G 1			1							X			X	X	X				
-14 WSW-S (3')		G 1			1							X			X	X	X				
-15 WSW-N (3')		G 1			1							X			X	X	X				
-16 NSW-W (3')		G 1			1							X			X	X	X				
-17 NSW-E (3')		G 1			1							X			X	X	X				
8																					
9																					
10																					
Sample Relinquished by: Iain Olness		Received By: Jana Boone																			
Relinquished by: Jana Boone		Received By: (lab staff) Kalanck 2.0																			
Delivered by:		Sample Cool & Intact 5.0?																			
		Yes No																			
		Checked By:																			

E-mail results to: iolness@envplus.net

NOTES: Labels w/ IDs

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: EPI

Date/Time: 11-17-05 @ 1350

Order #: 5K17011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	-3.0 C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A
Custody Seals intact on shipping container/cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present N/A
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not present
Chain of custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Container labels legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample bottles intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Not Applicable

Other observations:

Variance Documentation:

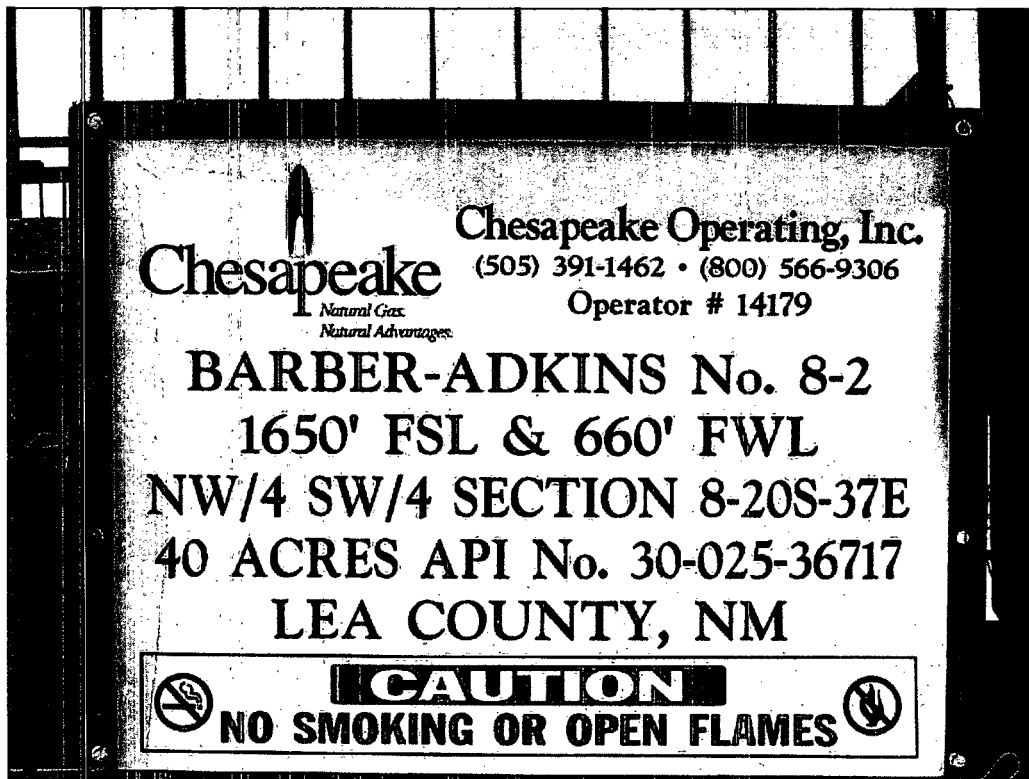
Contact Person: - _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:

Environmental Lab of Texas

APPENDIX II

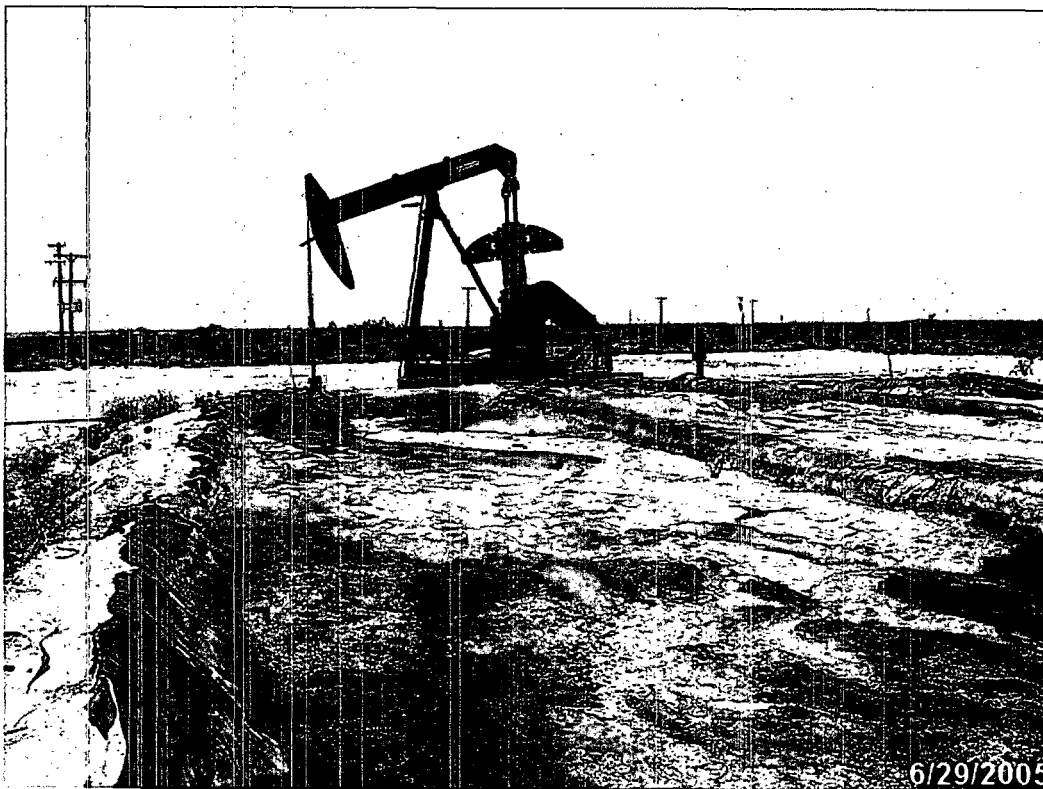
PROJECT PHOTOGRAPHS



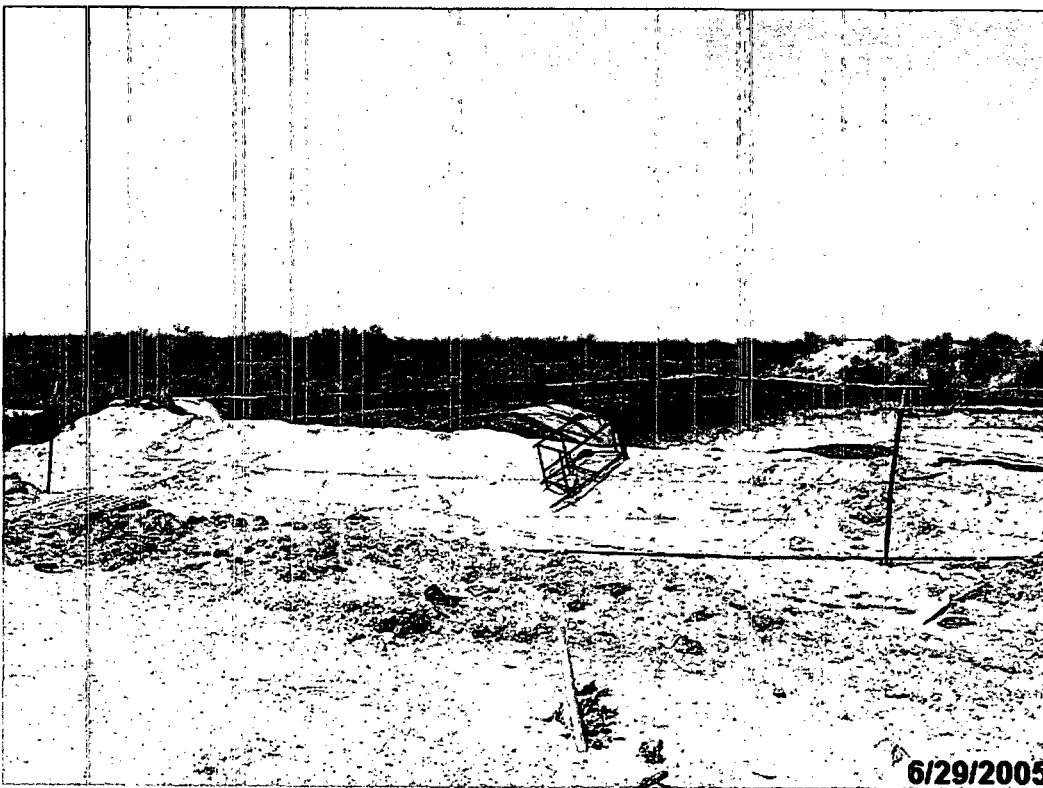
Photograph #1- Lease Sign



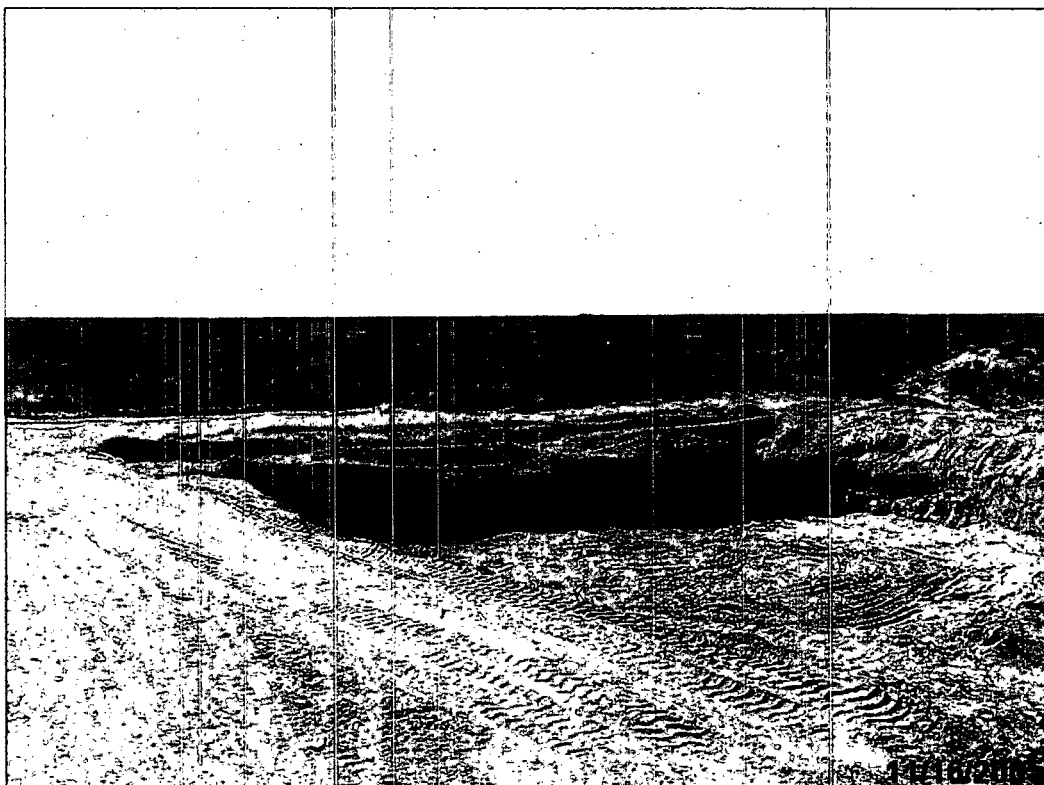
Photograph #2 – Looking southwesterly at drill pit and liner



Photograph #3 – Looking east at original pit, liner and production well



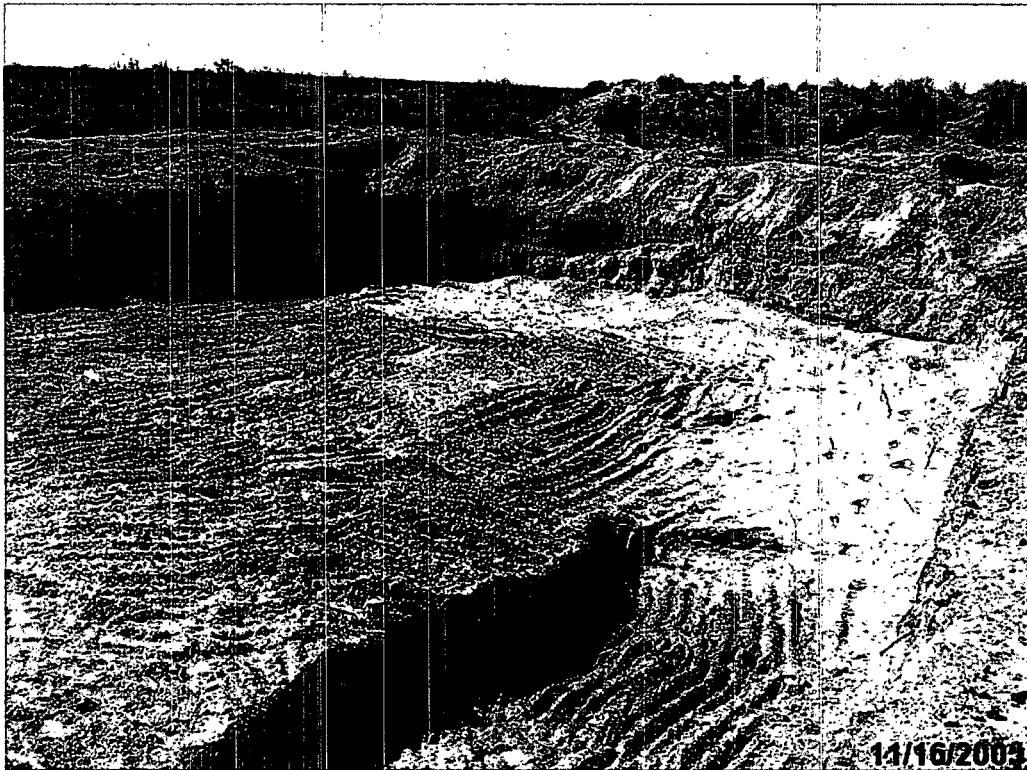
Photograph #4 – Looking westerly at pit, berm and liner



Photograph #5 – Looking west at drill pit excavated area



Photograph No. 6- Looking west at bermed drill pit excavated area



Photograph # 7- Looking west at divider side walls and pit excavation area



Photograph # 8- Looking southwesterly at pit excavation and side wall

APPENDIX III

INFORMATIONAL COPY OF THE

NMOCD C-103 FORM

Submit 3 Copies To Appropriate
District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., 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-103

May 27, 2004

WELL API NO.: 30-025-36717	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.:	
7. Lease Name or Unit Agreement Name: Barber-Adkins No. 8-2	
8. Well Number: No. 8-2	
9. OGRID Number:	
10. Pool name or Wildcat	
SUNDY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator: Chesapeake Operating, Inc.	
3. Address of Operator: 5014 Carlsbad Highway Hobbs, NM 88240	
4. Well Location Unit Letter: L: 1,650 feet from the South line and 660 feet from the West line Section: 8 Township: 20 South Range 37 East NMPM County Lea	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,543 feet above mean sea level	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input checked="" type="checkbox"/>	
Pit type: Drilling <input type="checkbox"/> Depth to Groundwater: <50 feet Distance from nearest fresh water well: >1,000 feet Distance from nearest surface water: >1,000 feet	
Pit Liner Thickness: 20 - mil Below-Grade Tank: Volume: bbls Construction Material:	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Pit Closure ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Chesapeake Operating, Inc. (Chesapeake) is conducting the pit closure according to NMOCD guidelines. As the depth to groundwater is < 50 feet below ground surface (bgs), Chesapeake is removing all contents from the pit and disposing of them at Sundance Services, Inc. In addition, a minimum of six (6) inches of soil from beneath the liner will also be excavated. Upon the removal of all the pit contents, including the liner, samples will be collected to verify removal of soil impacted above NMOCD remedial guidelines. Upon receipt of analytical results indicating the successful removal of all soil impacted above NMOCD remedial guidelines, the pit will be backfilled with clean soil purchased from the land owner and contoured to allow natural drainage and the site seeded with a seed blend approved by the land owner. Should analytical results indicate soil impacted above NMOCD remedial guidelines remains in the floor of the pit, a Delineation/Remediation Plan will be developed and submitted to the NMOCD.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE _____ TITLE Field Technician DATE _____

Type or print name: Bradley Blevins E-mail address: bblevins@chkenegy.com Telephone No.: (505) 391-1462 ext. 24

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):