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: Merit Energy Company	Contact: Dwain Wall
Address: P.O. Box 69, Loco Hills N.M., 88255	Telephone No.: 505-677-2327
Facility Name: West B4 Battery (WB 38 - nearest well site)	Facility Type: Production Battery

Surface Owner: BLM	Mineral Owner: BLM	Lease No.: LC-029426-B

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	10	17-S	31-E	2085'	North	1980'	West	Eddy

Latitude 32.85053 **Longitude** 103.85944

NATURE OF RELEASE

Type of Release: Crude Oil	Volume of Release: 20 bbl	Volume Recovered: 15 bbl
Source of Release: Prover loop on LACT unit	Date and Hour of Occurrence: 01/19/06 9:00 am	Date and Hour of Discovery: 01/19/06 9:30 pm
Was Immediate Notice Given? ☒ Yes ☐ No Not Required	If YES, To Whom? Paul Evans (BLM) & Chris Beadle (OCD)	
By Whom? Chris Flores	Date and Hour: 01/19/06 10:30 am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*
1 inch valve going to LACT prover loop failed, filling the sump. Prover loop was shut in and the valve handles were removed.

Describe Area Affected and Cleanup Action Taken.*
The affected area started at the battery ran across the road near the West B #38 well site, and continued to follow a depression parallel to the road leadint to the West B # 59 well site. The area is approximately 3' by 600' and less than 3" in depth. A vacuum truck recovered @15 bbls. The affected area will be treated with M-1000 and tilled until it meets OCD remediation levels.

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:

Printed Name: Jim Hollon

Title: Consultant

E-mail Address: Jim.Hollon@SBCGlobal.net

Date: 01/19/07 Phone: 432-631-5768

OIL CONSERVATION DIVISION

Approved by District Supervisor: Accepted for record NMOCD

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary

Closure Compliance Report

Project:

West B # 38
UL-F, Section 10, T17S, R31E
Eddy County, New Mexico

January 19, 2007

Prepared for:

Merit Energy Company
P.O. Box 69
Loco Hills, New Mexico 88255

Jim Hollon Consulting

14034 W. Co. Rd. 123, Odessa, Texas 79765
(432)631-5768 Fax (432)563-1166
Jim.Hollon@SBCGlobal.net

Jim Hollon Consulting

14034 W. Co. Rd. 123, Odessa, Texas79765
(432)631-5768 Fax (432)563-01166
Jim.Hollon@sbcglobal.net

January 19, 2007

Merit Energy Company
P.O. Box 69
Loco Hills, New Mexico 88255

Attn: Mr. Dwain Wall

Phone: (505) 677-2327
Fax: (505) 677-2162

Re: Closure Compliance Report
West B # 38 site
UL – F, Section 10, T17S, R31E, 2085 FNL, 1980 FWL
Eddy County, New Mexico
5 miles east of Loco Hills, NM

Dear Mr. Wall:

Jim Hollon Consulting is pleased to submit four copies of the Closure Compliance Report for the above referenced site.

I appreciate the opportunity to participate in the site remediation project at the West B # 38 well site for Merit Energy Company. Please contact me at (432) 631-5768 if you have questions regarding the information provided in the report.

Sincerely,

Jim Hollon

TABLE OF CONTENTS

LIST OF APPENDICES

Closure Compliance Report

West B # 38
UL-F, Section 10, T17S, R31E
Eddy County, New Mexico

1.0 INTRODUCTION

This site is located in Eddy County, New Mexico approximately five miles east of Loco Hills, New Mexico. The site is approximately three miles northeast of Merit Energy's field office and southeast of the West B # 38 well location (Figure 1). The surrounding area is native rangeland in a sand hill region and is overseen by the Bureau of Land Management.

The release consisted of approximately twenty barrels of crude oil from the prover loop at the LACT unit which overflowed the sump tank at the West B4 battery. The oil crossed the road near the battery and the West B # 38 well location then followed a sandy depression parallel to the road leading to the West B # 59 well location. The oil affected a long, narrow trail approximately three feet wide by 600 feet long with an average depth of less than three inches. During the initial response, approximately fifteen barrels of oil were recovered.

1.1 Site Description

Site Name	West B # 38
Site Location/GPS	Eddy County, New Mexico / 32.85053° N, 103.85944° W
General Site Description	The release occurred at the West B4 battery near the West B # 38 well site. The surrounding area is sandy rangeland with sparse vegetation.

A topographic map (Figure 1) and an aerial photograph (Figure 2) are included in Appendix A.

1.2 Scope of Services

The Scope of Services for Jim Hollon Consulting (JHC) as requested by Merit Energy (Merit) included:

- Work plan development and project oversight;
- Collection of confirmation soil samples in the area of concern; and

- Submittal of a Closure Compliance Report detailing field activities, analytical results, site maps and photos.

1.3 Regulatory Framework

Crude oil facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). Contamination of soil due to a surface release of crude oil is addressed within a NMOCD guideline titled *Guidelines for Remediation of Leaks, Spills and Releases.* Remediation standards for chloride contamination have not been published and are handled by the local district office on a case by case basis.

Soils which are impacted by petroleum constituents are scored according to the ranking criteria to determine their relative threat to public health, fresh water, and the environment. Such limits are defined by the depth to groundwater, wellhead protection area, and distance to surface water. Based on these ranking criteria, the remediation action level at this site is as follows:

Depth to Ground Water	>200 feet	Ranking Score = 0
(As defined as vertical distance from lowermost contaminants to seasonal high water level)		
Wellhead Protection Area	>1000 feet to water source >200 feet to domestic well	Ranking Score = 0
Distance to Surface Water	>1000 feet	Ranking Score = 0
		Total Ranking Score = 0

Based on total ranking criteria of 0, the following remediation levels apply:
Benzene = 10 ppm
BTEX = 50 ppm
TPH = 5,000 ppm
Chlorides = Site Specific

1.4 Standard of Care

Services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. JHC makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that JHC can not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report.

2.0 FIELD ACTIVITIES

2.1 Site Remediation

Immediately upon discovery of the release a vacuum truck was summoned to begin recovery of the oil. A squeegee was utilized to collect all free oil and push it to the vacuum truck. A total of fifteen barrels of oil were recovered. The area was left to dry for three days, allowing the high end carbons to volatize. The soils were treated with M-1000, an oil degrading microbe, and roto-tilled.

On February 22, 2006, a composite sample was collected from four points along the affected area at a depth of 0-3 inches below ground surface (bgs). The samples were analyzed for total petroleum hydrocarbons (TPH) and benzene, ethyl-benzene, toluene and total xylenes (BTEX). The sample had a TPH concentration of 19,700 mg/kg and a BTEX concentration of 7.59 mg/kg. Following receipt of the analytical results, the soils were treated with M-1000 and roto-tilled on two separate occasions.

On August 10, 2006, four samples, labeled #1, #2, #3 and #4, were collected from four points along the affected area, starting near the point of release, at a depth of 0-3 inches bgs. The samples were analyzed for TPH. The samples had TPH concentrations of 10,500 mg/kg, 5,290 mg/kg, 5,440 mg/kg and 10,500 mg/kg, respectively. Following receipt of the analytical results, the soils were again treated with M-1000 and roto-tilled.

On November 11, 2006, a composite sample was collected from multiple points along the affected area at a depth of 0-3 inches bgs. The samples were analyzed for TPH and BTEX. The sample had a TPH concentration of 3,620 mg/kg and the BTEX concentration was below the reporting limits of 0.025 mg/kg.

2.2 Soil Sampling

The soil sampling program included the collection of two composite soil samples and four grab soil samples from the impacted area on separate occasions. The soil samples were analyzed for TPH using EPA Method 8015M and BTEX using EPA Method 8021B. The soil samples were placed in laboratory prepared glassware, sealed with the identification label and placed on ice in a chest. The samples and completed chain-of-custody forms were relinquished to Environmental Lab of Texas in Odessa, Texas for analysis. The executed chain-of-custody forms and laboratory data sheets are provided in Appendix B.

3.0 DATA EVALUATION

The samples collected from the affected soils indicated declining TPH and BTEX concentrations. The laboratory results from the final composite soil sample indicated TPH and BTEX concentrations below NMOCD remediation levels, at 3,620 mg/kg and <0.025 mg/kg, respectively. The laboratory results are presented in Appendix B, Table 1.

4.0 FINDINGS AND RECOMMENDATIONS

Jim Hollon Consulting submits this closure compliance report to Merit which documents the site closure activities. Based on results of the field activities and laboratory analysis, it is recommended Merit submit this report to the NMOCD as documentation that remediation was completed to NMOCD standards and recommends that Merit request a "no further action" letter for this site.

DISTRIBUTION

Copy 1: Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
1301 W. Grand
Artesia, NM 88210

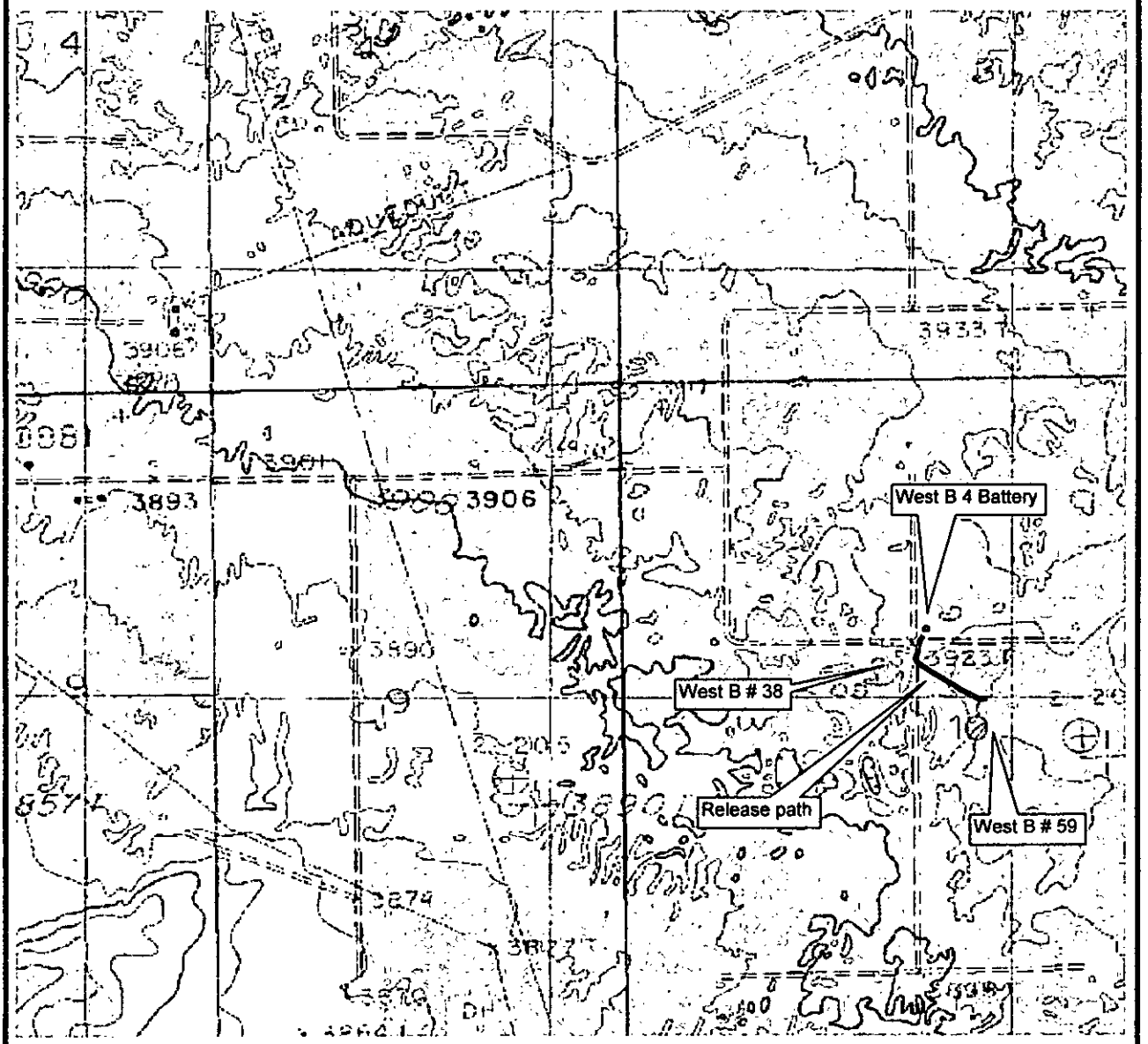
Copy 2: Jim Amos
Bureau of Land Management
620 E. Greene
Carlsbad, NM 88220

Copy 3 & 4: Dwain Wall
Merit Energy Company
P.O. Box 69
Loco Hills, NM 88255

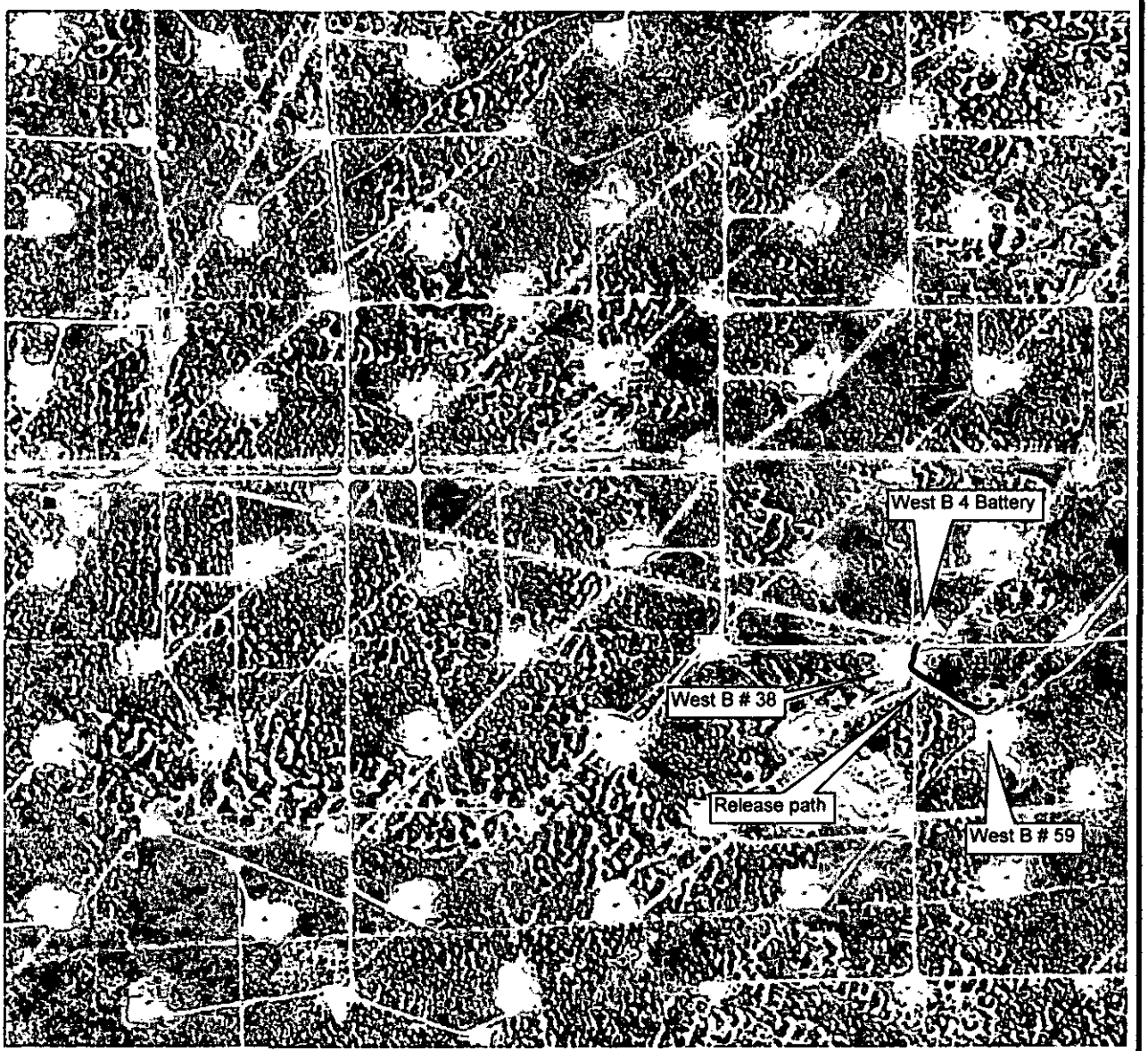
Copy 5: Jim Hollon
Jim Hollon Consulting
14034 W. Co. Rd. 123
Odessa, TX 79765

APPENDIX A

Figure 1 – Topographic Map
Figure 2 – Aerial Photograph



Source: Terraserver	**Merit Energy Company**	Figure 1 Topographic Map
Dated: July 1, 1985		
Scale: 1" = 400 yards	West B # 38	
N	3 miles north of the intersection of US Hwy 82 and SR 529	Prepared By: Jim Hollon Consulting



Source: Terraserver	**Merit Energy Company**	Figure 2
Dated October 22,1996		Aerial Photograph
Scale: 1" = 400 yards	West B # 38	
N	3 miles north of the intersection of US Hwy 82 and SR 529	Prepared By: Jim Hollon Consulting

APPENDIX B

Analytical Summary Tables
Laboratory Data Sheets
Laboratory Chain of Custody Documents

Table 1

CONCENTRATIONS OF CHEMICALS OF CONCERN IN SOIL

Merit Energy
West B # 38 (Batt) Site
Loco Hills, Eddy County, New Mexico

All concentrations are in mg/kg

SAMPLE DATE	SAMPLE LOCATION	SAMPLE DEPTH	EPA Method 8015M				EPA Method 8021B			
			TPH C_6-C_{12}	TPH C_{12}-C_{28}	TPH C_{28}-C_{35}	TPH C_6-C_{35}	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES
02/22/06	Comp	0-3"	1,160	**14,700**	3,820	**19,700**	<0.0250	0.511	2.110	4.970
08/10/06	1	0-3"	271	**9,270**	981	**10,500**				
	2	0-3"	70.4	4,680	538	**5,290**				
	3	0-3"	J[29.7]	4,820	618	**5,440**				
	4	0-3"	238	**9,370**	923	**10,500**				
11/13/06	*Comp*	*0-3"*	*J[23.2]*	*3,270*	*350*	*3,620*	*<0.0250*	*<0.0250*	*<0.0250*	*<0.0250*

CONCENTRATIONS IN BOLD ARE ABOVE REGULATORY GUIDELINES
J flag indicates the analyte was detected but below the Reporting Limit; therefore, the result is an estimated concentration.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jim Hollon

Terracon Consulting, Inc.

24 Smith Road, Ste. 261

Midland, TX 79705

Project: West B #38

Project Number: 94057472C

Location: Loco Hills

Lab Order Number: 6B23020

Report Date: 03/03/06

Terracon Consulting, Inc.	Project: West B #38	Fax: (432) 684-9608
24 Smith Road, Ste. 261	Project Number: 94057472C	**Reported:**
Midland TX, 79705	Project Manager: Jim Hollon	03/03/06 08:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WB-38	6B23020-01	Soil	02/22/06 00:00	02/23/06 08:45

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

Terracon Consulting, Inc.	Project: West B #38	Fax: (432) 684-9608
24 Smith Road, Ste. 261	Project Number: 94057472C	**Reported:**
Midland TX, 79705	Project Manager: Jim Hollon	03/03/06 08:45

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
WB-38 (6B23020-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB62305	02/23/06	02/23/06	EPA 8021B	
Toluene	**0.511**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.11**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**3.10**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.87**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**1160**	100	mg/kg dry	10	EB62313	02/23/06	03/01/06	EPA 8015M	
Carbon Ranges C12-C28	**14700**	100	"	"	"	"	"	"	
Carbon Ranges C28-C35	**3820**	100	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**19700**	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*13.3 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*10.8 %*	*70-130*		"	"	"	"	*S-06*

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 EB62305 - EPA 5030C (GC)										
Matrix Spike Dup (EB62305-MSD1)	**Source: 6B23012-01**			Prepared & Analyzed: 02/23/06						
Benzene	1.15	0.0250	mg/kg dry	1.41	ND	81.6	80-120	1.86	20	
Toluene	1.30	0.0250	"	1.41	ND	92.2	80-120	8.83	20	
Ethylbenzene	1.52	0.0250	"	1.41	ND	108	80-120	1.87	20	
Xylene (p/m)	3.18	0.0250	"	2.82	ND	113	80-120	5.45	20	
Xylene (o)	1.62	0.0250	"	1.41	ND	115	80-120	7.21	20	
Surrogate: a,a,a-Trifluorotoluene	*33.0*		*ug/kg*	*40.0*		*82.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.7*		*"*	*40.0*		*104*	*80-120*			
Batch EB62313 - Solvent Extraction (GC)										
Blank (EB62313-BLK1)				Prepared: 02/23/06 Analyzed: 03/01/06						
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 C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*48.2*		*mg/kg*	*50.0*		*96.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.8*		*"*	*50.0*		*93.6*	*70-130*			
LCS (EB62313-BS1)				Prepared: 02/23/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Carbon Ranges C12-C28	433	10.0	"	500		86.6	75-125			
Total Hydrocarbon C6-C35	900	10.0	"	1000		90.0	75-125			
Surrogate: 1-Chlorooctane	*60.6*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.7*		*"*	*50.0*		*119*	*70-130*			
Calibration Check (EB62313-CCV1)				Prepared: 02/23/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	241		mg/kg	250		96.4	80-120			
Carbon Ranges C12-C28	267		"	250		107	80-120			
Total Hydrocarbon C6-C35	508		"	500		102	80-120			
Surrogate: 1-Chlorooctane	*57.6*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.9*		*"*	*50.0*		*114*	*70-130*			

Terracon Consulting, Inc.	Project: West B #38	Fax: (432) 684-9608
24 Smith Road, Ste. 261	Project Number: 94057472C	**Reported:**
Midland TX, 79705	Project Manager: Jim Hollon	03/03/06 08:45

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 EB62313 - Solvent Extraction (GC)										
Matrix Spike (EB62313-MS1)	**Source: 6B23021-11**			Prepared: 02/23/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	594	10.0	mg/kg dry	518	ND	115	75-125			
Carbon Ranges C12-C28	591	10.0	"	518	ND	114	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1040	ND	114	75-125			
Surrogate: 1-Chlorooctane	*63.0*		*mg/kg*	*50.0*		*126*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.4*		*"*	*50.0*		*115*	*70-130*			
Matrix Spike Dup (EB62313-MSD1)	**Source: 6B23021-11**			Prepared: 02/23/06 Analyzed: 03/01/06						
Carbon Ranges C6-C12	598	10.0	mg/kg dry	518	ND	115	75-125	0.671	20	
Carbon Ranges C12-C28	591	10.0	"	518	ND	114	75-125	0.00	20	
Total Hydrocarbon C6-C35	1190	10.0	"	1040	ND	114	75-125	0.00	20	
Surrogate: 1-Chlorooctane	*63.4*		*mg/kg*	*50.0*		*127*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.3*		*"*	*50.0*		*115*	*70-130*			

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

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 EB62402 - General Preparation (Prep)										
Blank (EB62402-BLK1)				Prepared: 02/23/06 Analyzed: 02/24/06						
% Solids	100		%							
Duplicate (EB62402-DUP1)	**Source: 6B22012-01**			Prepared: 02/23/06 Analyzed: 02/24/06						
% Solids	98.0		%		98.2			0.204	20	
Duplicate (EB62402-DUP2)	**Source: 6B23018-01**			Prepared: 02/23/06 Analyzed: 02/24/06						
% Solids	99.1		%		99.0			0.101	20	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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: Celey D. Keene Date: 3/3/2006

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

Environmental Lab of Texas I, Ltd.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jim Hollon
Company Name: TERRACON
Company Address: 24 SMITH Rd. STE 261
City/State/Zip: MIDLAND TX 79705
Telephone No: 684-9600 Fax No: 684-9608
Sampler Signature: Jim Hollon

Project Name: WEST B #38
Project #: 94057472C
Project Loc: LOCO HILLS
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TPH: 418.1 / 8015B / 1005 / 1006	TCLP: Cations (Ca, Mg, Na, K)	TCLP: Anions (Cl, SO4, CO3, HCO3)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	TOTAL: BTEX 8021B / 5030	RCI	BUOR M	Total Gamma			RUSH TAT (Pre-Schedule)	Standard TAT
01	WB-38	2-22-06		1	X									X		X							X							X

Special Instructions:

Sample Containers Intact? Y / N
Temperature Upon Receipt: 3.5
Laboratory Comments: 4oz jar w/ label / jar seal

Relinquished by:	Date	Time	Received by:	Date	Time
Jim Hollon	2-23-06	945			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Carrie Kelly	2/23/06	8:45

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

Client: Terracon

Date/Time: 2/23/06 9:00

Order #: 6B23020

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:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jim Hollon (for)

Merit Energy Company

P.O. Box 300

Whiteface, TX 79379

Project: West B-4 Battery

Project Number: None Given

Location: Loco Hills

Lab Order Number: 6H11003

Report Date: 08/14/06

Merit Energy Company	Project: West B-4 Battery	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B4 #1	6H11003-01	Soil	08/10/06 11:00	08-11-2006 08:20
B4 #2	6H11003-02	Soil	08/10/06 11:05	08-11-2006 08:20
B4 #3	6H11003-03	Soil	08/10/06 11:10	08-11-2006 08:20
B4 #4	6H11003-04	Soil	08/10/06 11:15	08-11-2006 08:20

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

Merit Energy Company	Project: West B-4 Battery	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4 #1 (6H11003-01) Soil									
Carbon Ranges C6-C12	**271**	50.0	mg/kg dry	5	EH61102	08/11/06	08/11/06	EPA 8015M	
Carbon Ranges C12-C28	**9270**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**981**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**10500**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*22.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*50.4 %*	*70-130*		"	"	"	"	*S-06*
B4 #2 (6H11003-02) Soil									
Carbon Ranges C6-C12	**70.4**	50.0	mg/kg dry	5	EH61102	08/11/06	08/11/06	EPA 8015M	
Carbon Ranges C12-C28	**4680**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**538**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**5290**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*39.6 %*	*70-130*		"	"	"	"	*S-06*
B4 #3 (6H11003-03) Soil									
Carbon Ranges C6-C12	**J [29.7]**	50.0	mg/kg dry	5	EH61102	08/11/06	08/11/06	EPA 8015M	J
Carbon Ranges C12-C28	**4820**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**618**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**5440**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*19.5 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*34.8 %*	*70-130*		"	"	"	"	*S-06*
B4 #4 (6H11003-04) Soil									
Carbon Ranges C6-C12	**238**	50.0	mg/kg dry	5	EH61102	08/11/06	08/11/06	EPA 8015M	
Carbon Ranges C12-C28	**9370**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**923**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**10500**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*58.0 %*	*70-130*		"	"	"	"	*S-06*

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

Merit Energy Company	Project: West B-4 Battery	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B4 #1 (6H11003-01) Soil									
% Moisture	**1.8**	0.1	%	1	EH61107	08/11/06	08/11/06	% calculation	
B4 #2 (6H11003-02) Soil									
% Moisture	**0.6**	0.1	%	1	EH61107	08/11/06	08/11/06	% calculation	
B4 #3 (6H11003-03) Soil									
% Moisture	**4.5**	0.1	%	1	EH61107	08/11/06	08/11/06	% calculation	
B4 #4 (6H11003-04) Soil									
% Moisture	**1.1**	0.1	%	1	EH61107	08/11/06	08/11/06	% calculation	

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Merit Energy Company
P.O. Box 300
Whiteface TX, 79379

Project: West B-4 Battery
Project Number: None Given
Project Manager: Jim Hollon (for)

Fax: (806) 229-2583

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 EH61102 - EPA 5030C (GC)										
Blank (EH61102-BLK1)			Prepared & Analyzed: 08/11/06							
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 Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*62.4*		*mg/kg*	*50.0*		*125*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.7*		"	*50.0*		*121*	*70-130*			
LCS (EH61102-BS1)			Prepared & Analyzed: 08/11/06							
Carbon Ranges C6-C12	487	10.0	mg/kg wet	500		97.4	75-125			
Carbon Ranges C12-C28	489	10.0	"	500		97.8	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	976	10.0	"	1000		97.6	75-125			
Surrogate: 1-Chlorooctane	*64.3*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.5*		"	*50.0*		*117*	*70-130*			
Calibration Check (EH61102-CCV1)			Prepared & Analyzed: 08/11/06							
Carbon Ranges C6-C12	210		mg/kg	250		84.0	80-120			
Carbon Ranges C12-C28	245		"	250		98.0	80-120			
Total Hydrocarbons	455		"	500		91.0	80-120			
Surrogate: 1-Chlorooctane	*63.9*		"	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.3*		"	*50.0*		*129*	*70-130*			
Matrix Spike (EH61102-MS1)	**Source: 6H11001-01**		Prepared & Analyzed: 08/11/06							
Carbon Ranges C6-C12	518	10.0	mg/kg dry	542	7.11	94.3	75-125			
Carbon Ranges C12-C28	524	10.0	"	542	37.8	89.7	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1040	10.0	"	1080	37.8	92.8	75-125			
Surrogate: 1-Chlorooctane	*64.7*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.3*		"	*50.0*		*121*	*70-130*			

Merit Energy Company
P.O. Box 300
Whiteface TX, 79379

Project: West B-4 Battery
Project Number: None Given
Project Manager: Jim Hollon (for)

Fax: (806) 229-2583

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 EH61102 - EPA 5030C (GC)										
Matrix Spike Dup (EH61102-MSD1)	**Source: 6H11001-01**			Prepared & Analyzed: 08/11/06						
Carbon Ranges C6-C12	608	10.0	mg/kg dry	542	7.11	111	75-125	16.0	20	
Carbon Ranges C12-C28	566	10.0	"	542	37.8	97.5	75-125	7.71	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1170	10.0	"	1080	37.8	105	75-125	11.8	20	
Surrogate: 1-Chlorooctane	*81.8*		*mg/kg*	*100*		*81.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*74.4*		"	*100*		*74.4*	*70-130*			

Merit Energy Company	Project: West B-4 Battery	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

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 EH61107 - General Preparation (Prep)										
Blank (EH61107-BLK1)				Prepared & Analyzed: 08/11/06						
% Solids	100		%							
Duplicate (EH61107-DUP1)		**Source: 6H11001-01**		Prepared & Analyzed: 08/11/06						
% Solids	92.0		%		92.2			0.217	20	

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Merit Energy Company	Project: West B-4 Battery	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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: 8/14/2006

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 Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jim Hollon
Company Name: MERIT ENERGY
Company Address: PO BOX 300
City/State/Zip: WHITEFACE TX 79379
Telephone No: 432-631-5768
Fax No: 432-563-1166
Sampler Signature: [signature]
e-mail: Jim.Hollon@SBCGLOBAL.NET

Project Name: WEST B-4 BATTERY
Project #:
Project Loc: LOCO HILLS
PO #:
Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 6H11003

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other)	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	B4 #1			8-10-06	11:00	1	X								S	X							X				X
02	B4 #2			↓	11:05	↓	↓								↓	↓							↓				↓
03	B4 #3			↓	11:10	↓	↓								↓	↓							↓				↓
04	B4 #4			↓	11:15	↓	↓								↓	↓							↓				↓

Analyze For: TOTAL: X (BTEX)

Special Instructions: ONLY RUN BTEX IF TPH IS BELOW 5000 mg/Kg

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	8-11-06	8:20			
			Received by ELOT: [signature]	8/11/06	8:20

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep.? Y N
by Courier? UPS DHL FedEx Lone Star
Ice glass
Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

nt: Merit Energy

e/ Time: 8/11/06 8:30

ID #: 6H11003

als: MR

Sample Receipt Checklist

				Client Initials
Temperature of container/ cooler?	Yes	No	5.0 °C	
Shipping container in good condition?	Yes	No		
Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
Chain of Custody present?	Yes	No		
Sample instructions complete of Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished/ received?	Yes	No		
Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont. (CIO)	
Container label(s) legible and intact?	Yes	No	Not Applicable	
) Sample matrix/ properties agree with Chain of Custody?	Yes	No		
Containers supplied by ELOT?	Yes	No		
? Samples in proper container/ bottle?	Yes	No	See Below	
3 Samples properly preserved?	Yes	No	See Below	
4 Sample bottles intact?	Yes	No		
5 Preservations documented on Chain of Custody?	Yes	No		
5 Containers documented on Chain of Custody?	Yes	No		
7 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
3 All samples received within sufficient hold time?	Yes	No	See Below	
9 VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

ntact: _____ Contacted by: _____ Date/ Time: _____

garding: _____

rrective Action Taken:

_____

_____

_____

heck all that Apply:

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

ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Jim Hollon (for)

Merit Energy Company

P.O. Box 300

Whiteface, TX 79379

Project: West B #38 (B-4 batt)

Project Number: None Given

Location: Loco Hills

Lab Order Number: 6K14007

Report Date: 11/16/06

Merit Energy Company	Project: West B #38 (B-4 batt)	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite 0-3"	6K14007-01	Soil	11/13/06 12:00	11-14-2006 13:40

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

Merit Energy Company	Project: West B #38 (B-4 batt)	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite 0-3" (6K14007-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK61505	11/15/06	11/16/06	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		*95.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	
Carbon Ranges C6-C12	**J [23.2]**	50.0	mg/kg dry	5	EK61417	11/14/06	11/15/06	EPA 8015M	J
Carbon Ranges C12-C28	**3270**	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	**350**	50.0	"	"	"	"	"	"	
Total Hydrocarbons	**3620**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*18.7 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*30.2 %*	*70-130*		"	"	"	"	*S-06*

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

Merit Energy Company	Project: West B #38 (B-4 batt)	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Composite 0-3" (6K14007-01) Soil									
% Moisture	ND	0.1	%	1	EK61503	11/14/06	11/15/06	% calculation	

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Merit Energy Company
P.O. Box 300
Whiteface TX, 79379

Project: West B #38 (B-4 batt)
Project Number: None Given
Project Manager: Jim Hollon (for)

Fax: (806) 229-2583

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 EK61417 - Solvent Extraction (GC)										
Blank (EK61417-BLK1)				Prepared & Analyzed: 11/14/06						
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 Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	*41.8*		*mg/kg*	*50.0*		*83.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.1*		"	*50.0*		*108*	*70-130*			
LCS (EK61417-BS1)				Prepared & Analyzed: 11/14/06						
Carbon Ranges C6-C12	460	10.0	mg/kg wet	500		92.0	75-125			
Carbon Ranges C12-C28	427	10.0	"	500		85.4	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	887	10.0	"	1000		88.7	75-125			
Surrogate: 1-Chlorooctane	*48.9*		*mg/kg*	*50.0*		*97.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.5*		"	*50.0*		*109*	*70-130*			
Calibration Check (EK61417-CCV1)				Prepared: 11/14/06 Analyzed: 11/15/06						
Carbon Ranges C6-C12	208		mg/kg	250		83.2	80-120			
Carbon Ranges C12-C28	275		"	250		110	80-120			
Total Hydrocarbons	483		"	500		96.6	80-120			
Surrogate: 1-Chlorooctane	*54.4*		"	*50.0*		*109*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.0*		"	*50.0*		*128*	*70-130*			
Matrix Spike (EK61417-MS1)	**Source: 6K14005-01**			Prepared: 11/14/06 Analyzed: 11/15/06						
Carbon Ranges C6-C12	512	10.0	mg/kg dry	546	ND	93.8	75-125			
Carbon Ranges C12-C28	504	10.0	"	546	ND	92.3	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1020	10.0	"	1090	ND	93.6	75-125			
Surrogate: 1-Chlorooctane	*60.6*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.5*		"	*50.0*		*129*	*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 EK61417 - Solvent Extraction (GC)										
Matrix Spike Dup (EK61417-MSD1)	**Source: 6K14005-01**			Prepared: 11/14/06 Analyzed: 11/15/06						
Carbon Ranges C6-C12	532	10.0	mg/kg dry	546	ND	97.4	75-125	3.83	20	
Carbon Ranges C12-C28	525	10.0	"	546	ND	96.2	75-125	4.08	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1060	10.0	"	1090	ND	97.2	75-125	3.85	20	
Surrogate: 1-Chlorooctane	*64.4*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.7*		*"*	*50.0*		*129*	*70-130*			
Batch EK61505 - EPA 5030C (GC)										
Blank (EK61505-BLK1)				Prepared & Analyzed: 11/15/06						
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	*39.6*		*ug/kg*	*40.0*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.8*		*"*	*40.0*		*89.5*	*80-120*			
LCS (EK61505-BS1)				Prepared: 11/15/06 Analyzed: 11/16/06						
Benzene	1.10	0.0250	mg/kg wet	1.25		88.0	80-120			
Toluene	1.06	0.0250	"	1.25		84.8	80-120			
Ethylbenzene	1.21	0.0250	"	1.25		96.8	80-120			
Xylene (p/m)	2.04	0.0250	"	2.50		81.6	80-120			
Xylene (o)	1.04	0.0250	"	1.25		83.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.5*		*ug/kg*	*40.0*		*81.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*45.0*		*"*	*40.0*		*112*	*80-120*			

Merit Energy Company
P.O. Box 300
Whiteface TX, 79379

Project: West B #38 (B-4 batt)
Project Number: None Given
Project Manager: Jim Hollon (for)

Fax: (806) 229-2583

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 EK61505 - EPA 5030C (GC)										
Calibration Check (EK61505-CCV1)				Prepared & Analyzed: 11/15/06						
Benzene	56.5		ug/kg	50.0		113	80-120			
Toluene	53.1		"	50.0		106	80-120			
Ethylbenzene	50.7		"	50.0		101	80-120			
Xylene (p/m)	93.2		"	100		93.2	80-120			
Xylene (o)	49.7		"	50.0		99.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*43.9*		"	*40.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.0*		"	*40.0*		*115*	*80-120*			
Matrix Spike (EK61505-MS1)		**Source: 6K14012-09**		Prepared & Analyzed: 11/15/06						
Benzene	1.44	0.0250	mg/kg dry	1.39	ND	104	80-120			
Toluene	1.44	0.0250	"	1.39	ND	104	80-120			
Ethylbenzene	1.24	0.0250	"	1.39	ND	89.2	80-120			
Xylene (p/m)	2.75	0.0250	"	2.77	ND	99.3	80-120			
Xylene (o)	1.39	0.0250	"	1.39	ND	100	80-120			
Surrogate: a,a,a-Trifluorotoluene	*40.4*		*ug/kg*	*40.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.4*		"	*40.0*		*116*	*80-120*			
Matrix Spike Dup (EK61505-MSD1)		**Source: 6K14012-09**		Prepared & Analyzed: 11/15/06						
Benzene	1.21	0.0250	mg/kg dry	1.39	ND	87.1	80-120	17.7	20	
Toluene	1.16	0.0250	"	1.39	ND	83.5	80-120	21.9	20	R
Ethylbenzene	1.31	0.0250	"	1.39	ND	94.2	80-120	5.45	20	
Xylene (p/m)	2.28	0.0250	"	2.77	ND	82.3	80-120	18.7	20	
Xylene (o)	1.18	0.0250	"	1.39	ND	84.9	80-120	16.3	20	
Surrogate: a,a,a-Trifluorotoluene	*34.6*		*ug/kg*	*40.0*		*86.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*39.8*		"	*40.0*		*99.5*	*80-120*			

Merit Energy Company	Project: West B #38 (B-4 batt)	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

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 EK61503 - General Preparation (Prep)										
Blank (EK61503-BLK1)				Prepared: 11/14/06 Analyzed: 11/15/06						
% Solids	100		%							
Duplicate (EK61503-DUP1)		**Source: 6K13015-01**		Prepared: 11/14/06 Analyzed: 11/15/06						
% Solids	95.2		%		95.0			0.210	20	
Duplicate (EK61503-DUP2)		**Source: 6K14006-03**		Prepared: 11/14/06 Analyzed: 11/15/06						
% Solids	92.5		%		92.8			0.324	20	
Duplicate (EK61503-DUP3)		**Source: 6K14012-10**		Prepared: 11/14/06 Analyzed: 11/15/06						
% Solids	97.1		%		97.6			0.514	20	

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

Merit Energy Company	Project: West B #38 (B-4 batt)	Fax: (806) 229-2583
P.O. Box 300	Project Number: None Given	
Whiteface TX, 79379	Project Manager: Jim Hollon (for)	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance 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: 11/16/2006

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 Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jim Hollon

Company Name: Merit Energy Company

Company Address: P.O. Box 300

City/State/Zip: Whiteface, Texas 79379

Telephone No: 432-631-6766 Fax No: 432-563-1166

Sampler Signature: Jim Hollon

Project Name: West B #38 (B-4 batt)

Project #:

Project Loc: Loco Hills

PO #:

Report Format: ☑ Standard ☐ TRRP ☐ NPDES

e-mail: jim.hollon@sbcglobal.net

(lab use only)
ORDER #: 16K14007

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1/8015B 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/8260 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT (Pre-Scheduling) 24, 48, 72 hrs	Standard TAT
01	Composite	0"	3"	11/13/2006	12:00	1	X								S	X							X					X

Special Instructions: Please run BTEX only if TPH is below 5000 mg/kg

Relinquished by:	Date	Time	Received by:	Date	Time
Jim Hollon	11/14/06	13:40			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Carrie Kelley	11/14/06	13:40

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
4oz glass
Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-in

Client: Mont Energy

Date/ Time: 11/14/08 13:40

Lab ID # : 08K14007

Initials: CK

Sample Receipt Checklist

					Client Initials
1	Temperature of container/ cooler?	Yes	No	5.0 °C	
2	Shipping container in good condition?	Yes	No		
3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
5	Chain of Custody present?	Yes	No		
6	Sample instructions complete of Chain of Custody?	Yes	No		
7	Chain of Custody signed when relinquished/ received?	Yes	No		
8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
9	Container label(s) legible and intact?	Yes	No	Not Applicable	
10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
11	Containers supplied by ELOT?	Yes	No		
12	Samples in proper container/ bottle?	Yes	No	See Below	
13	Samples properly preserved?	Yes	No	See Below	
14	Sample bottles intact?	Yes	No		
15	Preservations documented on Chain of Custody?	Yes	No		
16	Containers documented on Chain of Custody?	Yes	No		
17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
18	All samples received within sufficient hold time?	Yes	No	See Below	
19	Subcontract of sample(s)?	Yes	No	Not Applicable	
20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

_____

_____

_____

Check all that Apply:

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

APPENDIX C

Photographs

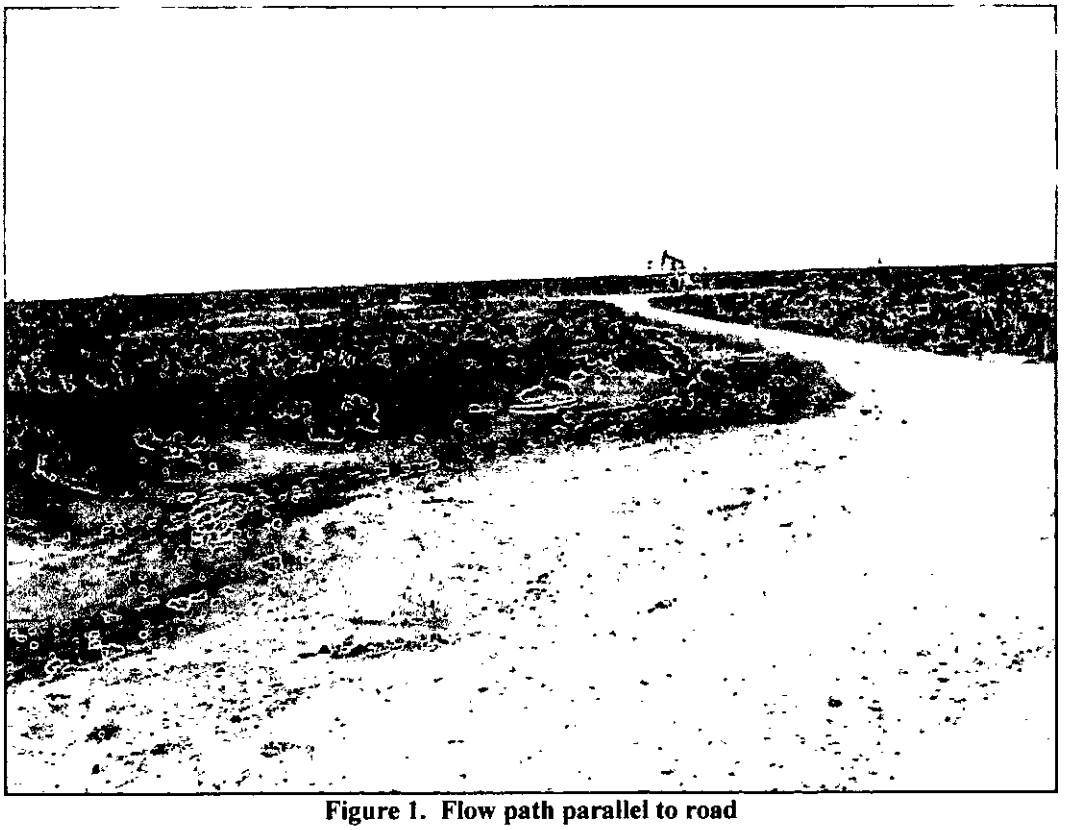

Figure 1. Flow path parallel to road

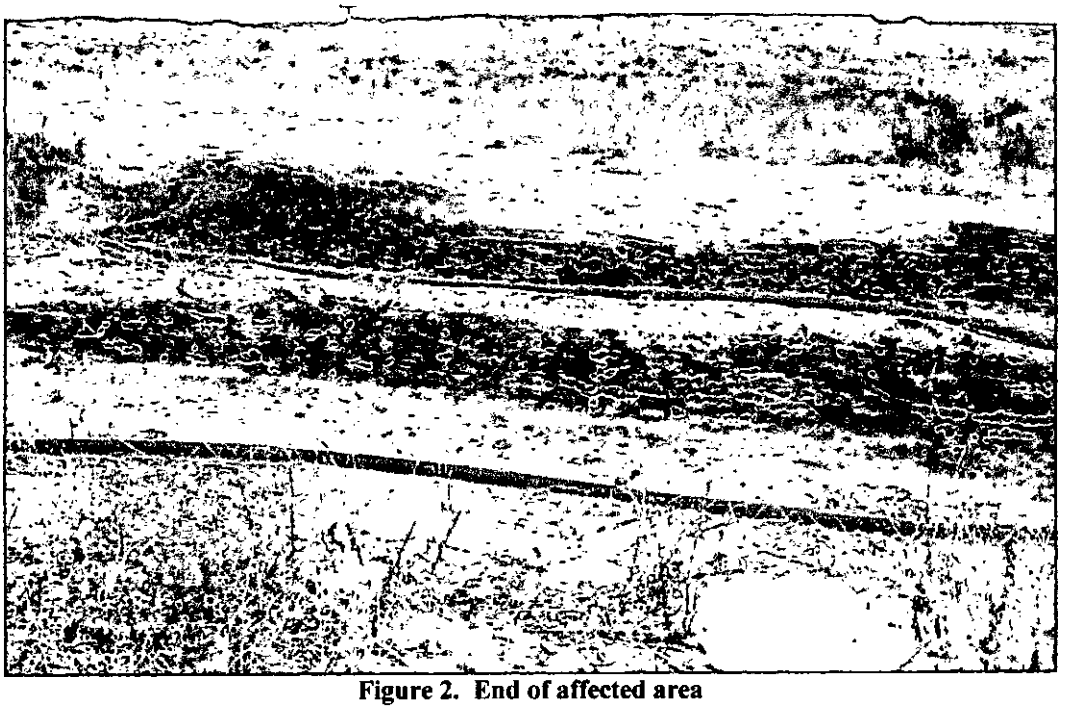

Figure 2. End of affected area

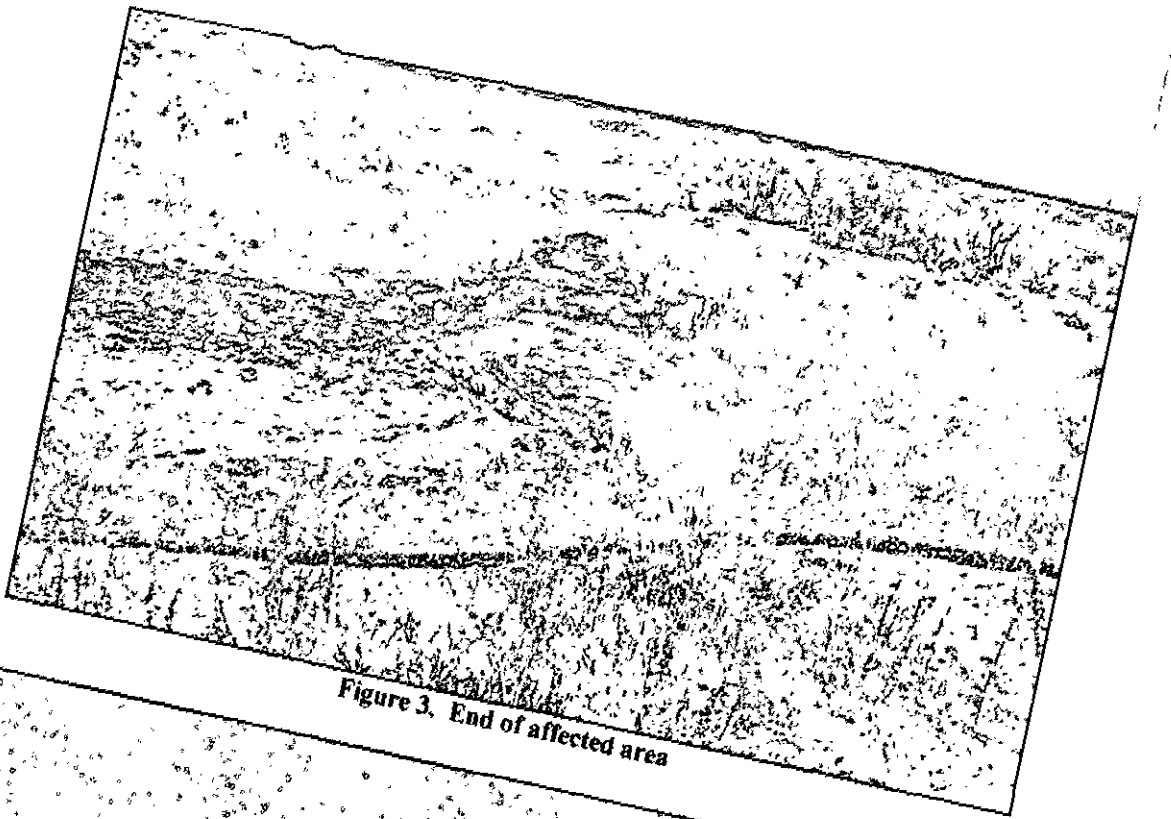

Figure 3. End of affected area

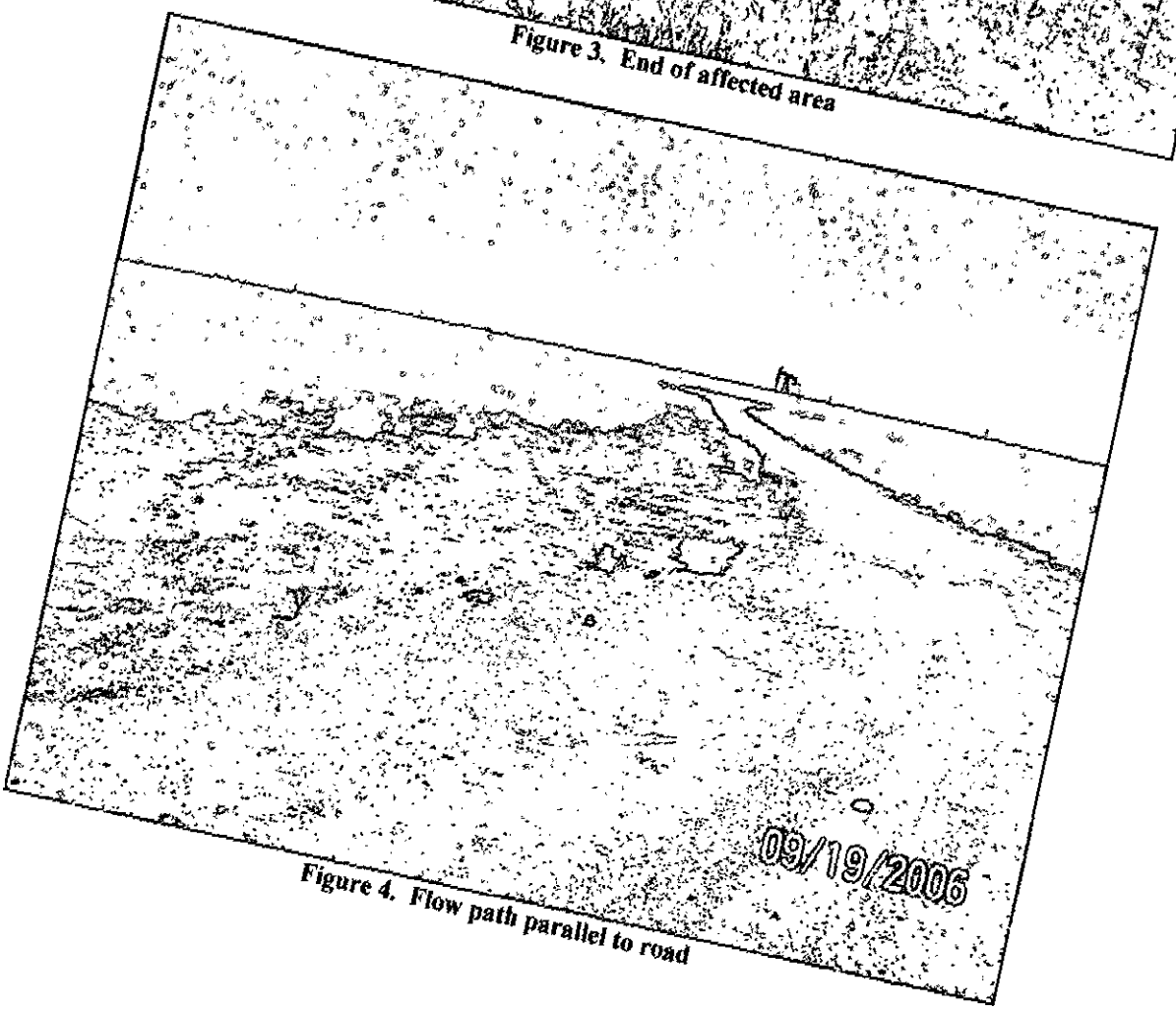

Figure 4. Flow path parallel to road

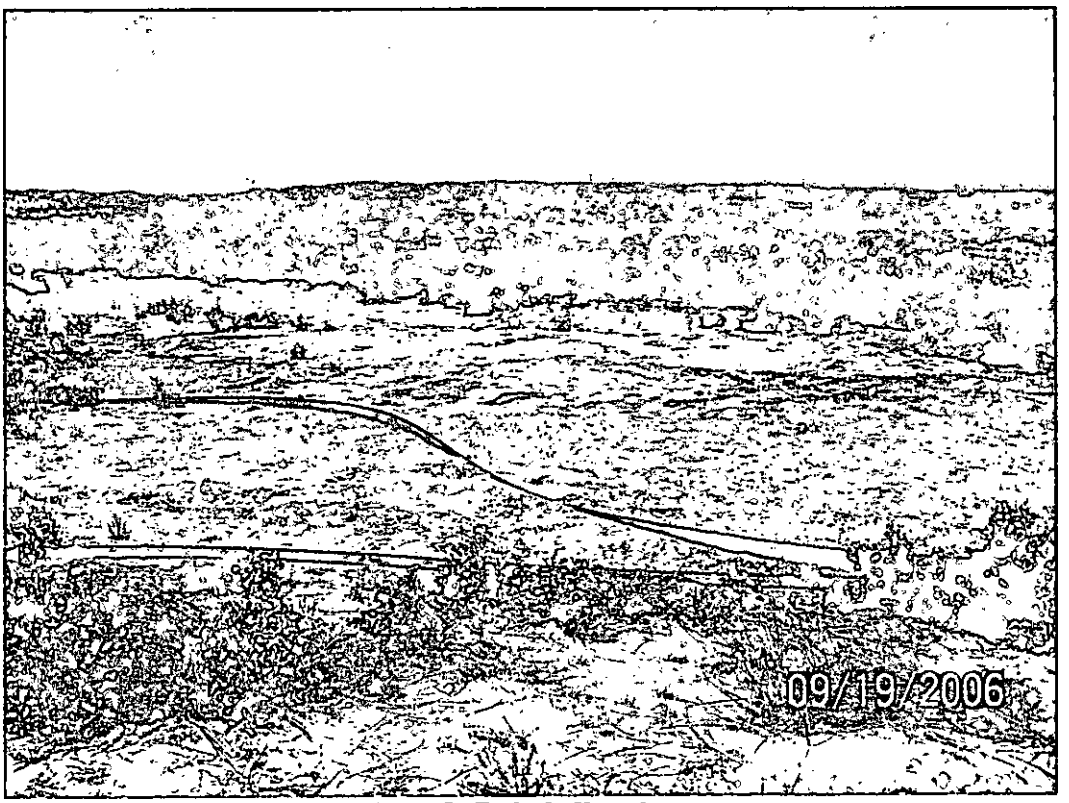

Figure 5. End of affected area

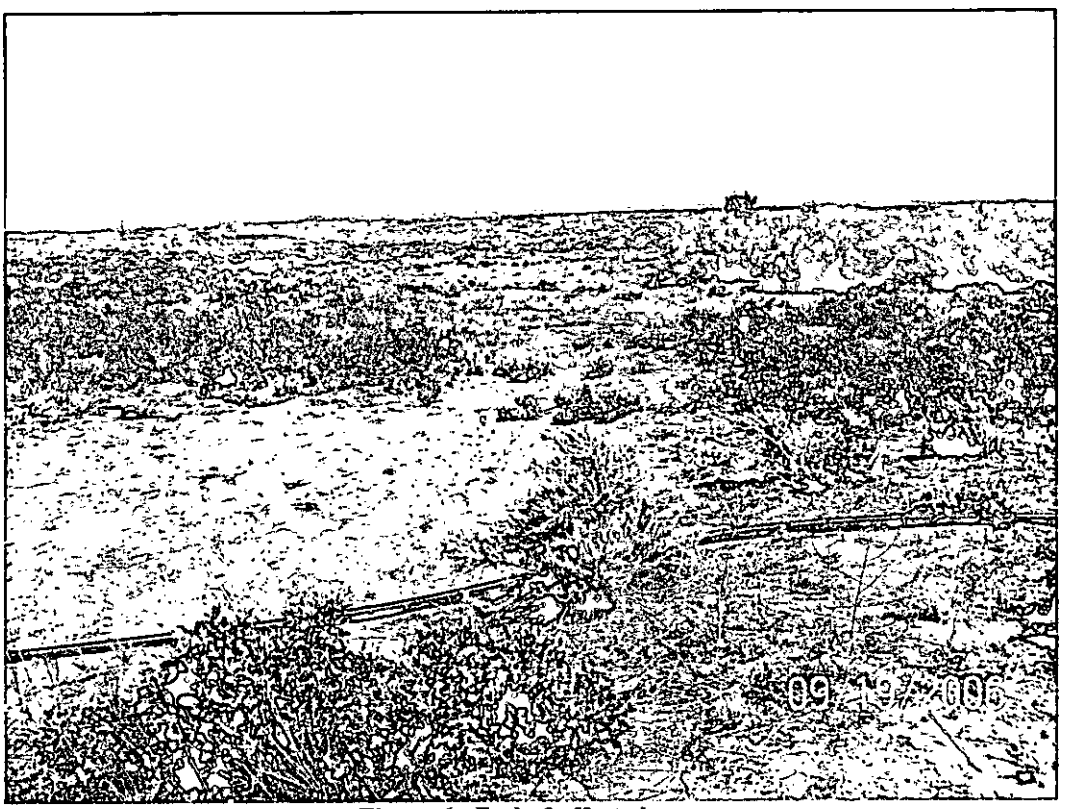

Figure 6. End of affected area

APPENDIX D

Regulatory Reports