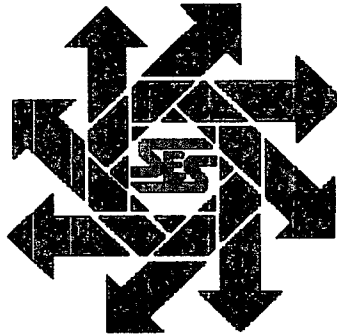


**Mack Energy Corporation
Monsanto 30 State #5
Site Investigation
Section 30, Township 16S, Range 37E
Lea County, New Mexico**

March 9, 2004



Prepared for:

**Mack Energy Corporation
P.O. Box 960
Artesia, New Mexico 88211-0960**

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton Suite 102
Hobbs, New Mexico 88240
(505) 397-0510***

API# 300253578/0000



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Lori Wrotenberg

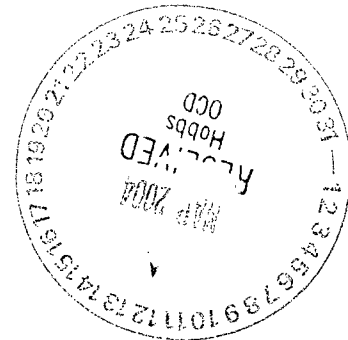
Director

Oil Conservation Division

March 10, 2004

Mack Energy Corporation jsherrill@mackenergycorp.com
PO Box 960
Artesia, NM 88211-0960

Re: Site Investigation: Monsanto 30 State #5
Site Location: Sec 30 T16S R37E Lea County, NM
Proposal Submittal Dated: March 9, 2004



Dear Mr. Sherrill,

The referenced Risk Based Work Plan submitted to New Mexico Oil Conservation Division (OCD) by Safety & Environmental Solutions, Inc. (SES) as agent for Mack Energy Corp. is **hereby approved with the following conditions:**

- Initiate proposed operations as soon as possible
- Provide confirmation landowner is advised of operations as this is a risk-based plan
- Addition monitor wells be drilled as deemed necessary and appropriate by OCD
- GPS pit position, boreholes, monitor wells, and also all Lovington City water wells that could influence natural water gradient

This approval is for temporary closure of the pit to avoid possible additional vertical contaminant drivers to be introduced in the existing pit during the investigation and delineation of the project.

Please be advised that OCD approval of this plan does not relieve Mack Energy Corp. of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Mack Energy Corp. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions call: (505) 393-6161, ext. 111, or email: lwjohnson@state.nm.us

Sincerely,

Larry Johnson – OCD Environmental Engineer

Cc:

Chris Williams - District I Supervisor

Ed Martin – Environmental Dept.

Paul Sheeley – Environmental Engineer

Bob Allen – Safety & Environmental Solutions, Inc. ballen@sesi-nm.com

TABLE OF CONTENTS

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I. Background

SESI was contracted to perform a site investigation to determine the vertical and horizontal extent of contamination inside a drilling pit for the Monsanto 30 State # 5. The subject area is located in Section 30, Township 16S, Range 37E in Lea County, New Mexico.

II. Surface and Ground Water

The nearest groundwater water of record with the New Mexico State Engineer's Office is in the same section, township and range. This well was drilled in 1965 and shows the depth of water to be 46 feet. Information from Mr. Pat Wise of the City of Lovington states the static level in their wells in the area to be 75'. However, Borehole #1 was drilled to a depth of 70 feet in the center of the pit, which would be in excess 80 feet below ground surface and no water was encountered.

III. Soils

The soils in the area are predominantly sand and sandy loam.

IV. Work Performed

Drilling of Boreholes

On February 6, 2004 SESI drilled Borehole #1 to a depth of 70 feet. Grab samples were retrieved every five (5) feet. The samples were properly packaged and preserved and sent under Chain of custody to Cardinal Laboratories of Hobbs, New Mexico for analysis. All samples were analyzed for Chlorides (EPA Method 4500-Cl⁻B) and the bottom and top samples were analyzed for TPH (EPA Method 418.1) and BTEX (EPA Method SW-846-8260).

On February 9, 2004 SESI drilled Borehole #2 and #3. Borehole # 2 was drilled to a depth of 20 feet and Borehole #3 was drilled to a depth of 70 feet. Grab samples were retrieved every five (5) feet. The samples were properly packaged and preserved and sent under Chain of custody to Cardinal Laboratories for analysis. All samples were analyzed for Chlorides (EPA Method 4500-Cl⁻B) and the bottom and top samples were analyzed for TPH (EPA Method 418.1) and BTEX (EPA Method SW-846-8260).

On February 10, 2004 SESI drilled Borehole # 4 was drilled to a depth of 40 feet. Grab samples were retrieved every ten (10) feet. The samples were properly packaged and preserved and sent under Chain of custody to Cardinal Laboratories for analysis. All samples were analyzed for Chlorides (EPA Method 4500-Cl⁻B).

All boreholes were backfilled to surface the bentonite. (See Figure)

The results of the analysis are as follows:

Date	ID	Cl'	TPH	Benzene	Toluene	Ethyl Benzene	Total Xylenes
2/6/04	BH #1 5'	1744	<10	<0.005	<0.005	<0.005	<0.015
2/6/04	BH #1 10'	4878					
2/6/04	BH #1 15'	8477					
2/6/04	BH #1 20'	7598					
2/6/04	BH #1 25'	2879					
2/6/04	BH #1 30'	4159					
2/6/04	BH #1 35'	5758					
2/6/04	BH #1 40'	5918					
2/6/04	BH #1 45'	4559					
2/6/04	BH #1 50'	2959					
2/6/04	BH #1 55'	1679					
2/6/04	BH #1 60'	1264					
2/6/04	BH #1 65'	560					
2/6/04	BH #1 70'	176	<10	<0.005	<0.005	<0.005	<0.015
2/09/04	BH #2 5'	1390	<10	<0.005	<0.005	<0.005	<0.015
2/09/04	BH #2 10'	288					
2/09/04	BH #2 15'	80					
2/09/04	BH #2 20'	64	<10	<0.005	<0.005	<0.005	<0.015
2/09/04	BH #3 5'	5000	<10	<0.005	<0.005	<0.005	<0.015
2/09/04	BH #3 10'	6000					
2/09/04	BH #3 15'	8600					
2/09/04	BH #3 20'	8600					
2/09/04	BH #3 25'	4800					
2/09/04	BH #3 30'	3600					
2/09/04	BH #3 35'	9200					
2/09/04	BH #3 40'	9200					
2/09/04	BH #3 45'	9200					
2/09/04	BH #3 50'	10400					
2/09/04	BH #3 55'	8800					
2/09/04	BH #3 60'	9600					
2/09/04	BH #3 65'	11200					
2/09/04	BH #3 70'	7200	<10	<0.005	<0.005	<0.005	<0.015
2/10/04	BH #4 10'	144					
2/10/04	BH #4 20'	112					
2/10/04	BH #4 30'	80					
2/10/04	BH #4 40'	96					

V. Conclusions

The results of the borehole samples indicate that the contamination has migrated to a depth of at least 70 feet below the bottom of the excavated pit and in excess of 80 feet below ground surface. The results of borehole # 4, drilled outside the pit to the west indicate no horizontal migration to the west.

It is recommended that a 40 mil plastic liner be installed in the bottom of this pit. The excavation should be squared and domed in the center with soil that will make an acceptable pad for the liner. After the liner is installed another lift of soil should be

placed on the top of the plastic to insure the liner is not compromised during backfill of the pit. The pit should be backfilled with clean material and returned to natural grade.

A groundwater monitor well should be installed in a position that is close to the pit on the down-gradient side.

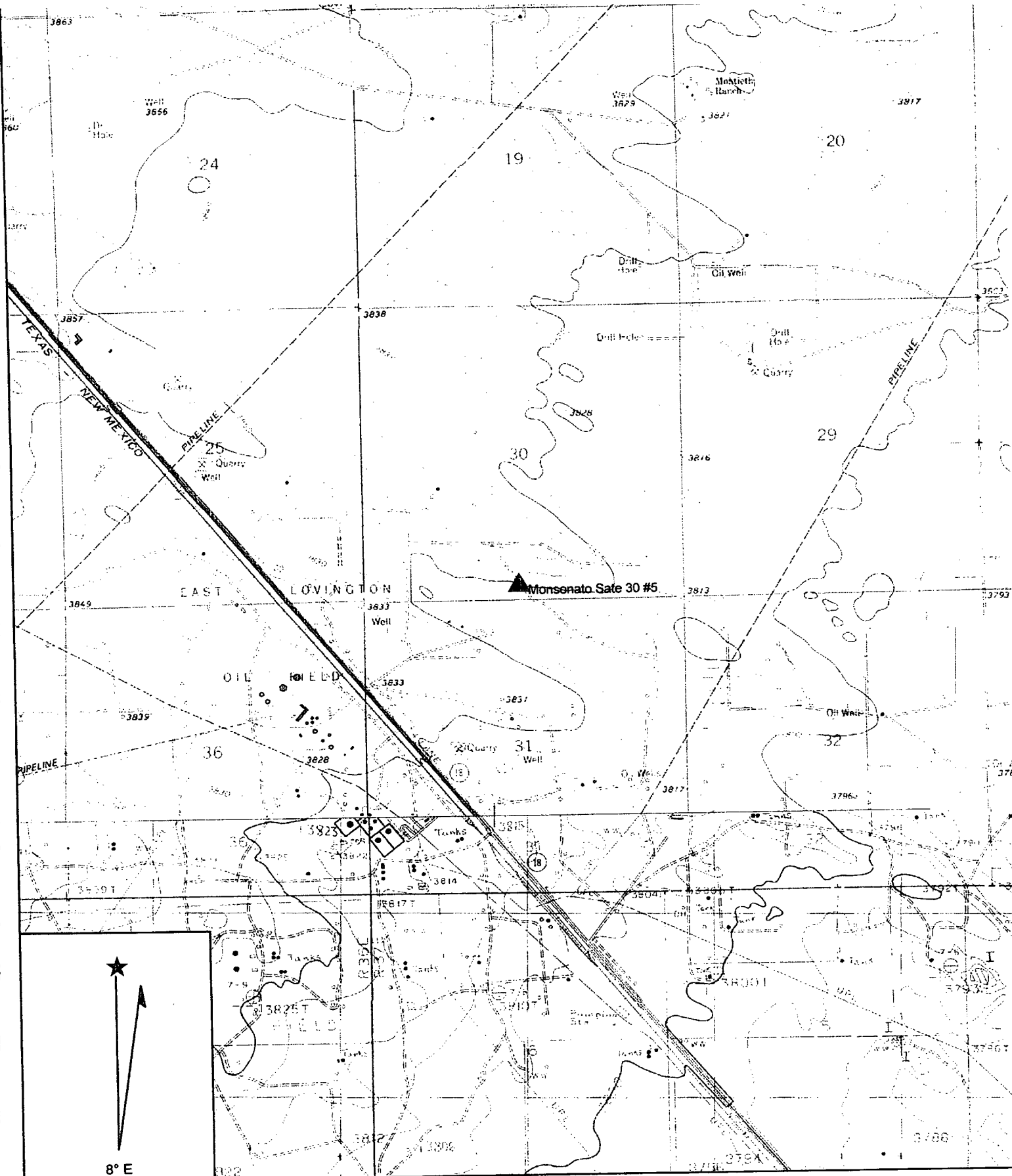
VI. Figures & Appendices

Figure 1 - Vicinity Map

Figure 2 - Site Plan

Appendix A - Analytical Results

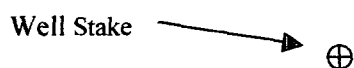
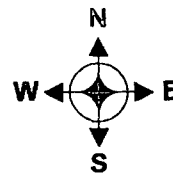
Figure 1
Vicinity Map



Name: LOVINGTON
 Date: 3/11/2004
 Scale: 1 inch equals 2222 feet

Location: 032° 53' 11.1" N 103° 17' 24.5" W
 Caption: Mack Energy Corporation
 Sec 30, T16S, R37E
 Lea County, New Mexico

Figure 2
Site Plan



BH #4



BH #1



BH #2



BH #3



Lease
Road

Not to Scale



Proposed location of soil borings



Mack Energy Corporation

Monsanto 30 State #5
Sec. 30, T16S, R37E
Lea County, New Mexico

**Safety & Environmental
Solutions, Inc.**

Appendix A

Analytical Results



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88241
FAX TO: (505) 393-4388

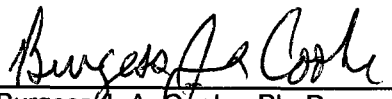
Receiving Date: 02/09/04
Reporting Date: 02/11/04
Project Number: MAC-04-001
Project Name: MASANTO 30 STATE #5
Project Location: LOVINGTON, NM

Sampling Date: 02/06/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
------------	-----------	----------------	--------------------	--------------------	-----------------------------	-----------------------------

ANALYSIS DATE:		02/10/04	02/10/04	02/10/04	02/10/04	02/10/04
H8449-1	BH 1 5'	<10	<0.005	<0.005	<0.005	<0.015
H8449-14	BH 1 70'	<10	<0.005	<0.005	<0.005	<0.015
Quality Control		244	0.092	0.094	0.096	0.290
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		102	91.8	94.2	95.5	99.0
Relative Percent Difference		4.5	0.3	3.3	1.8	2.2

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260


Burgess J. A. Cooke, Ph. D.

2/11/04
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. H8449-14 shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (505) 393-4388

Receiving Date: 02/09/04
Reporting Date: 02/10/04
Project Number: MAC-04-001
Project Name: MASANTO 30 STATE #5
Project Location: LOVINGTON, NM

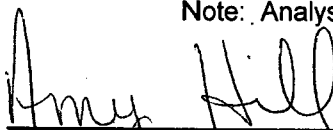
Analysis Date: 02/10/04
Sampling Date: 02/06/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H8449-1	BH 1 5'	1744
H8449-2	BH 1 10'	4878
H8449-3	BH 1 15'	8477
H8449-4	BH 1 20'	7598
H8449-5	BH 1 25'	2879
H8449-6	BH 1 30'	4159
H8449-7	BH 1 35'	5758
H8449-8	BH 1 40'	5918
H8449-9	BH 1 45'	4559
H8449-10	BH 1 50'	2959
H8449-11	BH 1 55'	1679
H8449-12	BH 1 60'	1264
H8449-13	BH 1 65'	560
H8449-14	BH 1 70'	176
Quality Control		1000
True Value QC		1000
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

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48449

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

Company Name: SEST		Project Manager:		Address: 703 E. CLINTON, #103		City: HOBBS		State: NM Zip: 88240		Phone #: (505) 397-0510		Fax #: (505) 393-4388		Project #: MAC-04-001		Project Owner: Mack Energy		Project Name: MASANTO 30 STATE #5		Project Location: LOVINGTON N.M.	
FOR LAB USE ONLY		LAB I.D.		Sample I.D.		# CONTAINERS		MATRIX		PRES.		SAMPLING		DATE		TIME		ANALYSIS REQUEST			
118449-1		BH 1 5'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:		1-6-04		10:05		X	
-2		BH 1 10'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				10:20		X	
-3		BH 1 15'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				10:45		X	
-4		BH 1 20'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				11:00		X	
-5		BH 1 25'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				11:35		X	
-6		BH 1 30'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				12:00		X	
-7		BH 1 35'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				12:15		X	
-8		BH 1 40'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				2:10		X	
-9		BH 1 45'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				2:30		X	
-10		BH 1 50'				1		GROUNDWATER		OTHER:		ACID:		ICE / COOL:				3:00		X	

PLEASE NOTE: Liability and Damages. Cardinal's facility and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. At claim, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished: *[Signature]* Date: 1-9-04 Time: 8:00
Relinquished By: *[Signature]* Date: 02/09/04 Time: 3:45 PM
Delivered By: (Circle One) *[Signature]* Sample Condition: Cool ☒ Intact ☐ Yes ☐ No ☐
Sampler: UPS - Bus - Other: *[Signature]*

Received By: (Lab Staff) *[Signature]* Checked By: (Initials) *[Signature]*

REMARKS: IF previous TPH is greater than 100ppm do following sample for TPH & BTEX

Phone Result: ☒ Yes ☐ No Additional Fax #: ☒ Yes ☐ No

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 21% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

ARDINAL LABORATORIES, INC.

21111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 873-7001 Fax (915) 873-7020 (505) 393-2326 Fax (505) 393-2476

Page 1 of 1

Company Name: SEST		BILTO PO #:	
Project Manager:		Company: SAME	
Address: 703 E. CLINTON, #103		Attn:	
City: HOBBS		Address:	
Phone #: (505) 397-0510		City:	
Fax #: (505) 393-4388		State:	
Project #: 04-001		Zip:	
Project Name: MRSUITO 30 STEIE #5		Phone #:	
Project Location: LOWINGTON N.M.		Fax #:	

LAB I.D.	Sample I.D.	MATRIX						PRES.	SAMPLING
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:		
118449-11	BH1 55'	1	1	1	1	1	1	1	DATE: 1-6-04 TIME: 3:25
-12	BH1 60'	1	1	1	1	1	1	1	DATE: 3:50
-13	BH1 65'	1	1	1	1	1	1	1	DATE: 4:30
-14	BH1 70'	1	1	1	1	1	1	1	DATE: 5:10pm

PLEASE NOTE: Liability and damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	
Sampler Relinquished: <i>[Signature]</i> Date: 1-9-04 Time: 3:03	Received By: <i>[Signature]</i> Date: 1-9-04 Time: 1:00pm
Relinquished By: <i>[Signature]</i> Delivered By: (Circle One) <i>[Signature]</i>	Checked By: (Initials) <i>[Signature]</i>

TERMS AND CONDITIONS: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and at costs of collections, including attorney's fees.
REMARKS: IF previous TPH is >100ppm do following sample for TPH & BTEX



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240


ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/10/04
Reporting Date: 02/13/04
Project Number: MAC 04-001
Project Name: MONSANTO 30 ST. #5
Project Location: NOT GIVEN

Analysis Date: 02/13/04
Sampling Date: NOT GIVEN
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: GP

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H8454-1	BH 2- 5'	1390
H8454-2	BH 2-10'	288
H8454-3	BH 2-15'	80
H8454-4	BH 2-20'	64
H8454-5	BH 3- 5'	5000
H8454-6	BH 3-10'	6000
H8454-7	BH 3-15'	8600
H8454-8	BH 3-20'	8600
H8454-9	BH 3-25'	4800
H8454-10	BH 3-30'	3600
H8454-11	BH 3-35'	9200
H8454-12	BH 3-40'	9200
H8454-13	BH 3-45'	9200
H8454-14	BH 3-50'	10400
H8454-15	BH 3-55'	8800
H8454-16	BH 3-60'	9600
H8454-17	BH 3-65'	11200
H8454-18	BH 3-70'	7200
Quality Control		1030
True Value QC		1000
% Recovery		103
Relative Percent Difference		2.9
METHOD: Std. Methods		4500-Cl ⁻ B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.


Chemist

02/13/2004
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. **H8454B-X1C3** Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS, INC.
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO:

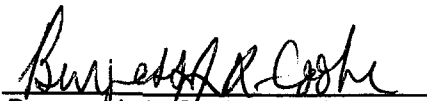
Receiving Date: 02/10/04
Reporting Date: 02/12/04
Project Number: MAC 04-001
Project Name: MONSANTO 30 ST. #5
Project Location: NOT GIVEN

Sampling Date: NOT GIVEN
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
------------	-----------	----------------	--------------------	--------------------	-----------------------------	-----------------------------

ANALYSIS DATE:		02/11/04	02/12/04	02/12/04	02/12/04	02/12/04
H8454-1	BH 2- 5'	<10	<0.005	<0.005	<0.005	<0.015
H8454-4	BH 2-20'	<10	<0.005	<0.005	<0.005	<0.015
H8454-5	BH 3- 5'	<10	<0.005	<0.005	<0.005	<0.015
H8454-18	BH 3-70'	<10	<0.005	<0.005	<0.005	<0.015
Quality Control		245	0.096	0.098	0.100	0.299
True Value QC		240	0.100	0.100	0.100	0.300
% Recovery		102	95.7	98.1	99.8	99.7
Relative Percent Difference		4.5	3.8	4.2	3.5	3.1

METHODS: TRPHC-EPA 600/4-79-020 418.1; BTEX -EPA SW-846 8260


Burgess J. A. Cooke, Ph. D.

2/12/04
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. H8454-18.xls Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name: SECI		BILL TO PO #:	
Project Manager: BOB ALLEN		Company:	
Address: 703 E. CLAYTON #103		Attn:	
City: HOBBS		Address:	
Phone #:		City:	
Fax #:		State:	
Project #: MAC 04-001		Zip:	
Project Name: MASSA 30 ST #5		Phone #:	
Project Location: MOLSAUTO		Fax #:	
FOR LAB USE ONLY		ANALYSIS REQUEST	
LAB I.D.	Sample I.D.		
H454-11	643-351		
-12	-401		
-13	-451		
-14	-501		
-15	-551		
-16	-601		
-17	-651		
-18	-701		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Sampler Relinquished:		Received By:	
Date:	Time:	Date:	Time:
Relinquished By:		Received By: (Lab Staff)	
Delivered By: (Circle One)		Checked By: (Initials)	
Sampler - UPS - Bus - Other:		Sample Condition	
		Cool	Intact
		<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes
		<input type="checkbox"/> No	<input type="checkbox"/> No
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Additional Fax #: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		REMARKS: AS BTEX & 418, IF PREVIOUS SAMPLES HAVE TPAH > 10	



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (505) 393-4388

Analysis Date: 02/10-2/11/04
Sampling Date: 02/16/04
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/Kg)
H8464-1	BH #4-10'	144
H8464-2	BH #4-20'	112
H8464-3	BH #4-30'	80
H8464-4	BH #4-40'	96
Quality Control		1010
True Value QC		1000
% Recovery		101
Relative Percent Difference		2.0

4500-CIB

Note: Analyses performed on 1:4 w:v aqueous extracts.

2/19/04
Date

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. **Cardinal** shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

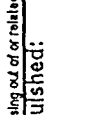
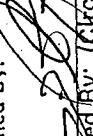
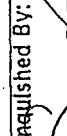
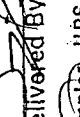
ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

ANALYSIS REQUEST

Company Name: SEST		Project Manager:		BULL TO		PO #:	
Address: 703 E. CLINTON, #103		City: HOBBS		State: NM		Zip: 88240	
Phone #: (505) 397-0510		Fax #: (505) 393-4388		Project #: Mac 04-001		Project Owner: Mack Energy	
Project Name: Monsanto 30 State #5		Project Location: Lovington N.M.		Company: SAME		Attn:	
				Address:		City:	
				State:		Zip:	
				Phone #:		Fax #:	

LAB I.D.	Sample I.D.	MATRIX				PRES.	SAMPLING	DATE	TIME
		GROUNDWATER	WASTEWATER	SOIL	OIL				
H8464-1	BH #4-10'	✓						1-10-04	4:20pm
2	BH #4-20'	✓						1-10-04	4:35pm
3	BH #4-30'	✓						1-11-04	8:40AM
4	BH #4-40'	✓						1-11-04	9:30AM

RECEIVED BY:  Date: 1-18-04 Time: 8:26 AM		RECEIVED BY: (Lab Staff) 	
Relinquished By: 		Checked By:  (Initials)	
Delivered By: (Circle One) Sampler <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other:		Remarks:	

+ Cardinal cannot accept verbal changes. Please fax written changes to 915-873-7020.