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 Stephens & Johnson Operating Co.	Contact Bob Gilmore
Address P O Box 2249	Telephone No. 940-723-2166
Facility Name Denton North Wolfcamp Unit	Facility Type Water Supply Line

Surface Owner Darr Angel	Mineral Owner Unknown	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	12	T15S	R37E	2222	North	440	West	Lea

Latitude 033° 01' 20.0" Longitude 103° 09' 36.3" W

NATURE OF RELEASE

Type of Release Salt Water	Volume of Release Unknown NA	Volume Recovered Unknown NA
Source of Release Salt Water Supply Line	Date and Hour of Occurrence NA	Date and Hour of Discovery NA
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully *

Describe Cause of Problem and Remedial Action Taken *
Leak was from water supply line which developed several years ago Leak was repaired and returned to service

Describe Area Affected and Cleanup Action Taken *
SESI environmental consultants determined vertical and horizontal extent of contamination Contaminated soil was dug out and replaced under OCD procedures

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: Bob Gilmore	OIL CONSERVATION DIVISION
Printed Name: Bob Gilmore	Approved by District Supervisor:
Title: Engineer	Approval Date: / Expiration Date:
E-mail Address: bgilmore@sjoc.net	Conditions of Approval: / Attached ☐
Date: 5-3-10 Phone:940-723-2166	

* Attach Additional Sheets If Necessary

pKJ1007435646
4089

P.O. Box 1613
703 E. Clinton Street
Hobbs, New Mexico 88240
575/397-0510
Fax 575/393-4388
www.sesi-nm.com

Safety & Environmental Solutions, Inc.

May 5, 2010

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

Mr. Larry Johnson:

This letter is a request for closure at the Stevens and Johnson, Horsepen. All of the delineation activities completed for the subject area are listed below in chronological order.

Safety & Environmental Solutions, Inc. (SESI) was engaged by Stephens & Johnson Operating Company to perform a site assessment located in Section 12, Township 15 South, and Range 37 East in Lea County, New Mexico. The area was impacted by the spillage of an undetermined amount of produced water from an injection line associated with production in the area. This remediation has been active since September 2003; however this site has been dormant for several years.

Surface and Ground Water

The nearest groundwater of record with the New Mexico State Engineer's Office is in Section 12 of 15 South, 37 East. According to measurements taken January 10, 1996, the depth to water in this well is 52.48 feet.

Soils

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

Work Performed

<u>September 23, 2003:</u>

This site has a very hard caliche or rock layer approximately 3' below the surface.
A larger rig will be necessary to conduct additional investigation. SESI drilled 3 boreholes. Borehole #1 was drilled to 38 inches at which point a hard layer was encountered which caused auger refusal. A sample was retrieved from that depth. Borehole #2 was drilled 5 feet at which point a hard layer was again encountered which caused auger refusal. Borehole #3 was drilled 2.5 feet at which point auger refusal was experienced again. A sample was retrieved from that depth.

All samples were properly packaged, preserved and sent under chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (EPA method 4500-Cl^-B).

The results of the analysis are as follows:

Date	Sample ID	Cl^- (mg/kg)
9/23/03	BH #1 38"	2,399
9/23/03	BH #2 5'	2,239
9/23/03	BH #3 2.5'	2,159

The results of this analysis only indicated that the chloride levels immediately above this layer and were unable to reach the extent of contamination, if any, in or below the hard layer. The chloride contamination above the hard layer was very consistent which may have indicated little or no penetration of the hard layer.

January 16, 2004:

SESI drilled Borehole #4 to the west of Borehole #1. The Borehole was drilled to a depth of 22 feet when a hard layer was encountered, which caused auger refusal. Grab samples were retrieved at 5', 15', and 20'. The samples were properly preserved and sent under Chain of Custody for analysis. The samples were analyzed for Chlorides (EPA Method 4500-Cl^-B).

The results of the analysis are as follows:

Date	Sample ID	Cl^- (mg/kg)
1/16/04	BH #4 5'	2,623
1/16/04	BH #4 15'	2,815
1/16/04	BH #4 20'	1,935

In light of the declining trend in the chloride levels SESI proposed to follow the Work Plan dated May 8, 2003. The work plan stated that the top 4' to 5' of contaminated soil be removed and taken to an NMOCD approved disposal facility. The bottom and sided of the excavation will be sampled at the final excavation depths and sent under Chain of Custody to Cardinal Laboratories for analysis. The samples will be analyzed for Chlorides (EPA Method 4500-Cl^-B). The analytical results will document the level of Chlorides left in place. After the excavation is complete, a 40 mil plastic liner will be installed in the bottom of the excavation to prevent surface waters or future spills from coming into contact with the chloride left in place under the liner. Clean soil will be used to backfill the excavation and the site returned to natural grade. The location would be reseeded with native grasses.

May 12, 2009:

SESI was onsite to retrieve samples. Samples were retrieved 0 to 6 inches in depth throughout the bottom and sides of the excavation. All samples were transported under Chain of Custody to Ana-Lab of Kilgore, Texas for analysis. The samples were analyzed for Chlorides (EPA Method 300.00).

The results of the analysis are as follows:

Date	Sample ID	Cl^- (mg/kg)
5/12/09	#1	1,240
5/12/09	#2	380
5/12/09	#3	399
5/12/09	#4	11,800
5/12/09	#5	3,980
5/12/09	#6	292
5/12/09	#7	539
5/12/09	#8	334
5/12/09	#9	6.25
5/12/09	#10	5,690
5/12/09	#11	81.3
5/12/09	#12	2,580
5/12/09	SW #1	1,630
5/12/09	SW #2	7,680
5/12/09	SW #3	7,390
5/12/09	EW #1	8,330
5/12/09	EW #2	11,600
5/12/09	NW	15,500

The results of this analysis only indicated that the chloride levels were unable to reach the extent of contamination. The site was scheduled to be delineated for vertical extent using an air rig. Samples were to be retrieved in five (5) foot intervals. The samples would be collected and properly preserved and transported along with Chain of Custody to Cardinal Laboratories, of Hobbs, New Mexico, for testing. Laboratory samples will be analyzed for Chlorides (EPA method 300.00).

January 18-19, 2010:

SESI was onsite with Eco Enviro Drilling to delineate the affected area. An air rotary rig with a 10' split core barrel was utilized to determine the vertical extent of the chloride contamination. A total of five (5) boreholes were installed with in the affected area. Samples were retrieved in five (5) foot intervals. The samples collected were properly preserved and transported along with Chain of Custody to Cardinal Laboratories, of Hobbs, New Mexico, for analysis. Laboratory samples were analyzed for Chlorides (EPA method 300.00).

The results of the analysis are as follows:

Date	Sample ID	Cl^- (mg/kg)
1/18/10	BH#1. 5'	<16
1/18/10	BH#1. 10'	64
1/18/10	BH#1. 15'	160
1/18/10	BH#2. 5'	<16
1/18/10	BH#2. 10'	<16
1/18/10	BH#2. 15'	<16
1/18/10	BH#3. 2'	288
1/18/10	BH#3. 7'	1,620
1/18/10	BH#3. 12'	1,140
1/18/10	BH#3. 17'	480
1/18/10	BH#3. 22'	288

1/19/10	BH#4. Surface	96
1/19/10	BH#4. 5'	624
1/19/10	BH#4. 10'	1,200
1/19/10	BH#4. 15'	224
1/19/10	BH#4. 20'	400
1/19/10	BH#5. Surface	16
1/19/10	BH#5. 10'	2,000
1/19/10	BH#5. 15'	864
1/19/10	BH#5. 20'	496

April 5, 2010:

SESI is onsite with Watson Construction to begin excavation of the area. Sample trenches were installed on the east and north end of the excavation to determine the horizontal extent of the chloride contamination. The test trench outside the north end of the excavation indicated that chloride contamination had migrated and additional 15' to 20' north of the excavation. The top soil outside both the north and east end of the excavation did not appear to be affected. Samples collected from the top soil indicated that soil was unaffected; therefore the top 1' of soil will be segregated as clean soil. The rest of the area will be excavated to 4' bgl and stockpiled for disposal.

Samples were taken from side walls and transported to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chlorides (EPA Method 4500B).

The results of the analysis are as follows:

Date	Sample ID	Cl^- (mg/kg)
4/5/10	East Wall #1	48
4/5/10	East Wall #2	80
4/5/10	East Wall #3	48
4/5/10	North Wall #1	48
4/5/10	North Wall #2	176
4/5/10	North Wall #3	160
4/5/10	South Wall	128

In an approved work plan from Larry Johnson of NMOCD it was requested that the area would be excavated to a depth of four (4) feet below grade surface and to the west wall by the flow lines.

Approximately 3,230 yards of contaminated soils were excavated and transported to an NMOCD approve disposal facility.

Upon completion of excavation the location the area a 20,800 square foot 40-mil liner was installed to prevent future migration. The excavated area was then backfilled with approximately 4,932 yards of soils from an offsite facility. The area was then contoured to its natural grade.

Conclusion

Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements. It is requested that the location be re-seeded to the landowner's specifications and that no further action will be required.

Please contact me should you have questions or require further information.

Thank you for your attention in this matter.

Sincerely,

Bob Allen CSP, REM
President

ba/sr

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

STE-03-003

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

June 16, 2003

Stevens & Johnson Operating Co.
PO Box 2249
Wichita Falls, TX 76307-2249

Re: Remediation Work Plan
Denton Field 'Horse Pin'
Site Location: Sec 12 T15S R37E
Plan Submittal Dated: May 8, 2003

The referenced Work Plan submitted to New Mexico Oil Conservation Division (OCD) by Safety & Environmental Solutions, Inc. (SES) for Stevens & Johnson Operating Co. is **hereby approved** with the following conditions:

- OCD will be given 48 hour notice prior to sampling events to witness and/or split samples
- Drilling to and sampling of groundwater will be prudent if deep chloride contamination is encountered above 250 mg/L or 250 ppm in boring samples
- Provide convex soft soil/sand pad under plastic barrier, pad top to protect from puncture
- Increase plastic liner from 20 mil to 30 mil thickness

Please be advised that OCD approval of this plan does not relieve Stevens & Johnson Operating Co. 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 Stevens & Johnson Operating Co. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance call: (505) 393-6161, ext. 111, or email: lwjohnson@state.nm.us or Paul Sheeley at: ext. 113, email: psheeley@state.nm.us

Sincerely,

Larry Johnson-Environmental Engineer

Cc: Roger Anderson - Environmental Bureau Chief
Chris Williams - District I Supervisor
Bill Olson - Hydrologist
Paul Sheeley - Environmental Engineer
Bob Allen – Safety & Environmental Solutions, Inc.

Stephens & Johnson Operating Company
Horse Pen
Section 12, Township 15 South, Range 37 East
Lea County, New Mexico

Closure Report

May 5, 2010

Prepared for:

Stephens & Johnson Operating Company
811 Sixth Street, Suite 300
Wichita Falls, Texas 76301-2509

By:

Safety & Environmental Solutions, Inc.
703 East Clinton
Hobbs, New Mexico 88240
(575) 397-0510

approved by:
Geoffrey Leking
Env. Engineer
NMOCD-Hobbs
01/07/11

I. Background

Safety & Environmental Solutions, Inc. (SESI) was engaged by Stephens & Johnson Operating Company to perform a site assessment located in Section 12, Township 15 South, and Range 37 East in Lea County, New Mexico. The area was impacted by the spillage of an undetermined amount of produced water from an injection line associated with production in the area. This remediation has been active since September 2003, however this site has been dormant for several years.

II. Surface and Ground Water

The nearest groundwater of record with the New Mexico State Engineer's Office is in Section 12 of 15 South, 37 East. According to measurements taken January 10, 1996, the depth to water in this well is 52.48 feet.

III. Soils

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

IV. Work Performed

On May 12, 2009, Safety and Environmental Solutions, Inc (SESI) was onsite to retrieve samples. Samples were retrieved 0 to 6 inches in depth throughout the bottom and sides of the excavation. All samples were transported under Chain of Custody to Ana-Lab of Kilgore, Texas for analysis. The samples were analyzed for Chlorides (EPA Method 300.00).

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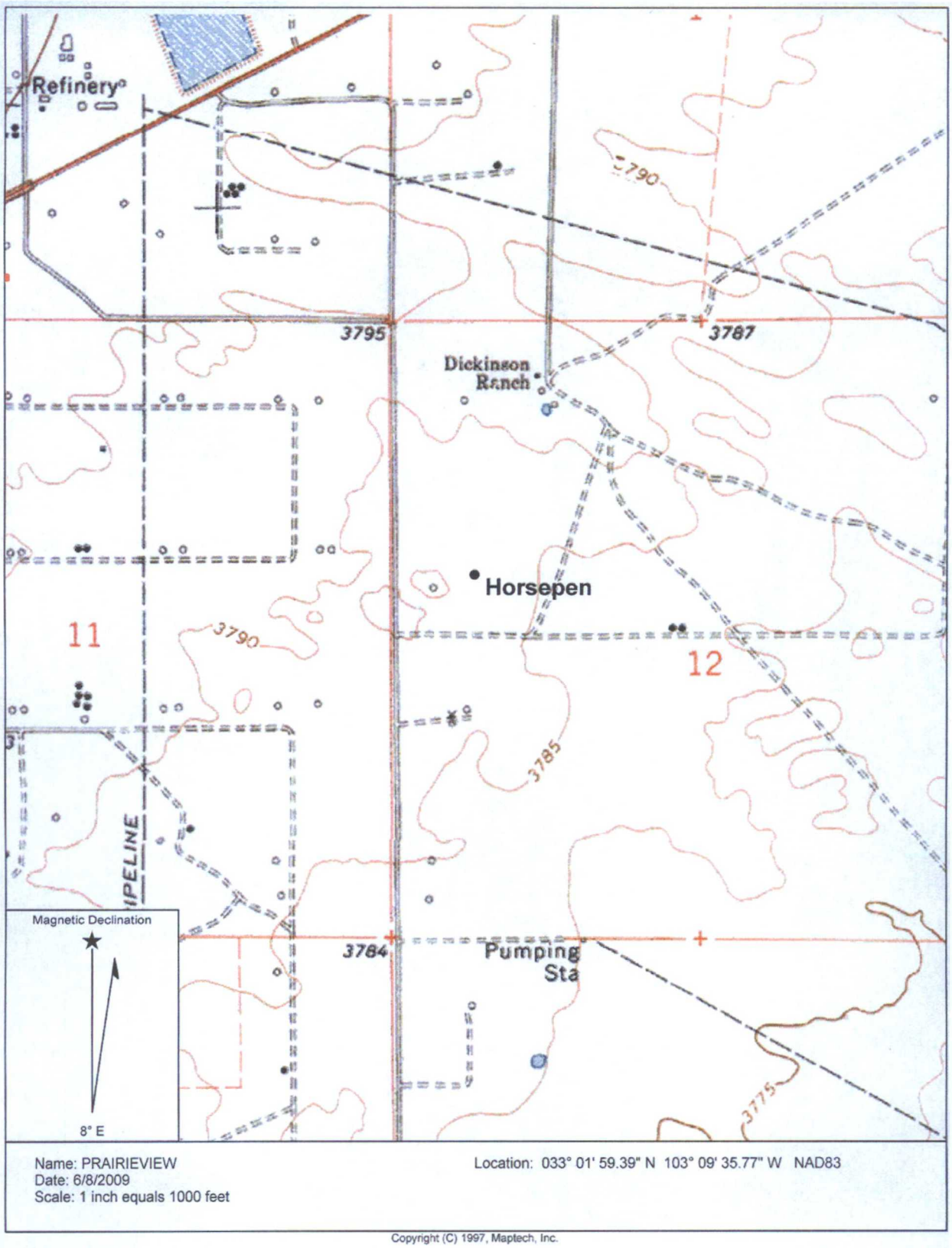
VI. Conclusion

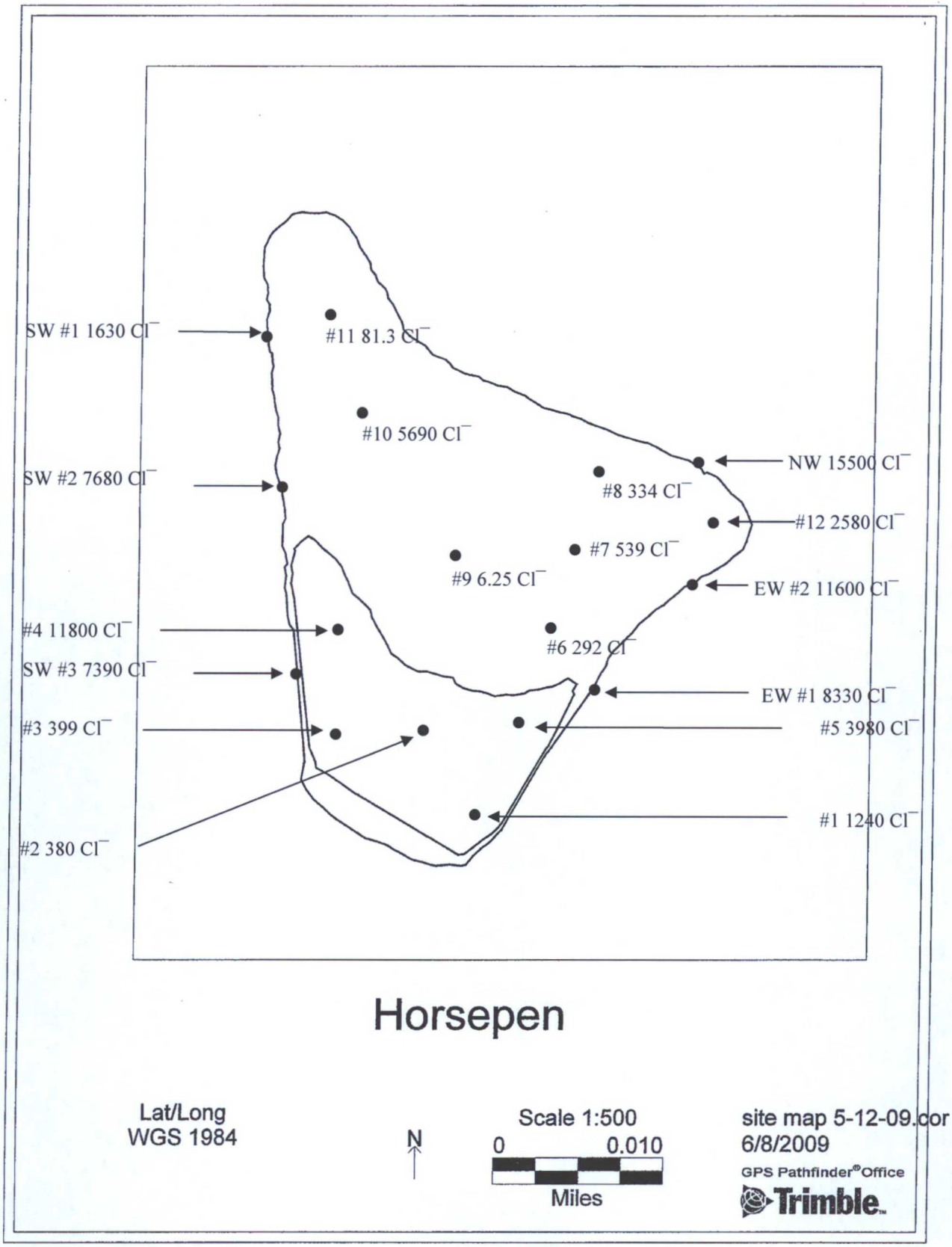
Remedial actions at this site have all been performed with the approval of, and in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements. It is requested that the location be re-seeded to the landowner's specifications and that no further action will be required.

It is requested that no further action be required.

VI. Figures & Appendices

Figure 1 - Vicinity Map
Figure 2 - Site Plan
Appendix A – Analytical Results
Appendix B – Site Photographs
Appendix C – C-141




SW #1 1630 Cl⁻
#11 81.3 Cl⁻
#10 5690 Cl⁻
SW #2 7680 Cl⁻
NW 15500 Cl⁻
#8 334 Cl⁻
#12 2580 Cl⁻
#7 539 Cl⁻
#9 6.25 Cl⁻
EW #2 11600 Cl⁻
#4 11800 Cl⁻
#6 292 Cl⁻
SW #3 7390 Cl⁻
EW #1 8330 Cl⁻
#3 399 Cl⁻
#5 3980 Cl⁻
#1 1240 Cl⁻
#2 380 Cl⁻
Horsepen
Lat/Long
WGS 1984
N
Scale 1:500
0
0.010
Miles
site map 5-12-09.cor
6/8/2009
GPS Pathfinder® Office
Trimble.

Appendix A
Analytical Results

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

Analytical Results

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Report Table of Contents

Account	Project
SESF	442485

Stevens & Johnson Horse Pen

This report consists of this Table of Contents and the following pages:

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Printed: 05/22/2009

Account	Project
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Results

Accredited	Parameter	Results	Units	RL	Flags	CAS	Bottle
101342	**#1**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:24
	SW-846 9056			Analyzed: LCY 05/16/2009 1629 QCgroup 318122			
AN	Chloride (water extractable)	1240	mg/kg	60.0			02
101343	**#2**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:26
	SW-846 9056			Analyzed: LCY 05/16/2009 1647 QCgroup 318122			
AN	Chloride (water extractable)	380	mg/kg	30.0			02
101344	**#3**						Received: 05/14/2009
	Soil	Collected by:		Affiliation: Safety & Environment		05/12/2009	11:28
	SW-846 9056			Analyzed: LCY 05/16/2009 1704 QCgroup 318122			
AN	Chloride (water extractable)	399	mg/kg	30.0			02
101345	**#4**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:30
	SW-846 9056			Analyzed: LCY 05/16/2009 1722 QCgroup 318122			
AN	Chloride (water extractable)	11800	mg/kg	750			02
101346	**#5**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:32
	SW-846 9056			Analyzed: LCY 05/16/2009 1739 QCgroup 318122			
AN	Chloride (water extractable)	3980	mg/kg	150			02
101347	**#6**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:36
	SW-846 9056			Analyzed: LCY 05/16/2009 1757 QCgroup 318122			
AN	Chloride (water extractable)	292	mg/kg	15.0			02

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account	Project
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Results

Accredited	Parameter	Results	Units	RL	Flags	CAS	Bottle
101348	**#7**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:38
	SW-846 9056			Analyzed: LCY	05/16/2009	1815	QCgroup 318122
AN	Chloride (water extractable)	539	mg/kg	6.00			02
101349	**#8**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:48
	SW-846 9056			Analyzed: LCY	05/16/2009	1832	QCgroup 318122
AN	Chloride (water extractable)	334	mg/kg	15.0			02
101350	**#9**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:52
	SW-846 9056			Analyzed: LCY	05/18/2009	0953	QCgroup 318122
AN	Chloride (water extractable)	6.25	mg/kg	3.00			02
101351	**#10**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	11:55
	SW-846 9056			Analyzed: LCY	05/16/2009	2222	QCgroup 318131
AN	Chloride (water extractable)	5690	mg/kg	300			02
101352	**#11**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	12:00
	SW-846 9056			Analyzed: LCY	05/16/2009	2239	QCgroup 318131
AN	Chloride (water extractable)	81.3	mg/kg	30.0			02
101353	**SW#1**						Received: 05/14/2009
	Soil	Collected by: I Kincaid		Affiliation: Safety & Environment		05/12/2009	12:02
	SW-846 9056			Analyzed: LCY	05/16/2009	2257	QCgroup 318131
AN	Chloride (water extractable)	1630	mg/kg	150			02

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account: SESF-P

Project: 442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Results

Accredited	Parameter	Results	Units	RL	Flags	CAS	Bottle
101354	**SW#2**						Received: 05/14/2009
Soil	Collected by: I Kincaid		Affiliation: Safety & Environment				05/12/2009 12:05
SW-846 9056			Analyzed: LCY	05/16/2009	2314	QCgroup	318131
AN	Chloride (water extractable)	7680	mg/kg	600			02
101355	**SW#3**						Received: 05/14/2009
Soil	Collected by: I Kincaid		Affiliation: Safety & Environment				05/12/2009 12:07
SW-846 9056			Analyzed: LCY	05/16/2009	2332	QCgroup	318131
AN	Chloride (water extractable)	7390	mg/kg	600			02
101356	**EW#1**						Received: 05/14/2009
Soil	Collected by: I Kincaid		Affiliation: Safety & Environment				05/12/2009 12:10
SW-846 9056			Analyzed: LCY	05/17/2009	1207	QCgroup	318131
AN	Chloride (water extractable)	8330	mg/kg	600			02
101357	**EW#2**						Received: 05/14/2009
Soil	Collected by:		Affiliation: Safety & Environment				05/12/2009 12:13
SW-846 9056			Analyzed: LCY	05/17/2009	1225	QCgroup	318131
AN	Chloride (water extractable)	11600	mg/kg	1500			02
101358	**NW**						Received: 05/14/2009
Soil	Collected by:		Affiliation: Safety & Environment				05/12/2009 12:15
SW-846 9056			Analyzed: LCY	05/17/2009	1243	QCgroup	318131
AN	Chloride (water extractable)	15500	mg/kg	6000			02
101359	**#12**						Received: 05/14/2009
Soil	Collected by: I Kincaid		Affiliation: Safety & Environment				05/13/2009 16:00
SW-846 9056			Analyzed: LCY	05/17/2009	0100	QCgroup	318131
AN	Chloride (water extractable)	2580	mg/kg	150			02

Ana-L[illegible] Corp. P.O. Box 9000 Kil[illegible]e, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account	*Project*
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Results

Accredited	Parameter	Results	Units	RL	Flags	CAS	Bottle

Sample Preparation

101342 #1 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101343 #2 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101344 #3 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101345 #4 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101346 #5 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101347 #6 *Received:* 05/14/2009

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ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account	Project
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Sample Preparation

101347 #6 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101348 #7 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101349 #8 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101350 #9 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*0900*	*QCgroup*	*318046*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101351 #10 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*1000*	*QCgroup*	*318047*
AN	Water Extract-Ion Chromatography	40/4	grams					01

101352 #11 *Received:* 05/14/2009

	SW-846 9056			*Analyzed: LCY*	*05/16/2009*	*1000*	*QCgroup*	*318047*
AN	Water Extract-Ion Chromatography	40/4	grams					01

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account	Project
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Sample Preparation

101353 SW#1 — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

101354 SW#2 — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

101355 SW#3 — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

101356 EW#1 — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

101357 EW#2 — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

101358 NW — Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

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Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Results

Account	Project
SESF-P	442485

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Stevens & Johnson Horse Pen

Sample Preparation

101359 #12 Received: 05/14/2009

	SW-846 9056			Analyzed: LCY	05/16/2009	1000	QCgroup	318047
AN	Water Extract-Ion Chromatography	40/4	grams					01

Qualifiers:

We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, EPA National Lead Laboratory Accreditation Program #637.01, US Consumer Product Safety Commission #1095, US Department of Agriculture Soil Import Permit S-37592, Texas Commission on Environmental Quality Drinking Water Laboratory Certificate TX219, Texas Commission on Environmental Quality NELAP T104704201-06-TX, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, USEPA UCMR2 Approved Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365, Alabama Department of Environmental Management Drinking Water #41540. Ana-Lab is also accredited to the international ISO-17025 standard by the American Association for Laboratory Accreditation (A2LA Certificate # 0637-01). The Accredited column designates accreditation by U -- UCMR2 (EPA), A -- A2LA, N -- NELAC, or z -- not covered under one of these scopes of accreditation.
These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number.

C. H. Whiteside

C. H. Whiteside, Ph.D., President

2005 Seal of Excellence Program

Ana-L b Corp. P.O. Box 9000 Kil e, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Quality Control

Report To

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Project 442485

318122 I Soil SW-846 9056

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	Out	File
Chloride (water extractable)	318046	ND	0.0534	0.300	mg/kg		0000840894

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Chloride (water extractable)	10.1	10.0	mg/kg	101	90.0 - 110		0000840893
Chloride (water extractable)	10.1	10.0	mg/kg	101	90.0 - 110		0000840906
Chloride (water extractable)	10.1	10.0	mg/kg	101	90.0 - 110		0000840916
Chloride (water extractable)	10.3	10.0	mg/kg	103	90.0 - 110		0000840917
Chloride (water extractable)	10.3	10.0	mg/kg	103	90.0 - 110		0000840920

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Chloride (water extractable)	318046	0.982	1.00	mg/kg	98.2	90.0 - 110	0000840895	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride (water extractable)	318046	0.982	0.962	1.00	90.0 - 110	98.2	96.2	mg/kg	2.06	20.0

318131 I Soil SW-846 9056

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	Out	File
Chloride (water extractable)	318047	ND	0.0534	0.300	mg/kg		0000840975
Nitrate	318047	ND	0.0103	0.0500	mg/kg		0000840975
Nitrate-Nitrite Nitrogen	318047	ND	0.00321	0.0200	mg/kg		0000840975

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Chloride (water extractable)	10.1	10.0	mg/kg	101	90.0 - 110		0000840974
Chloride (water extractable)	10.1	10.0	mg/kg	101	90.0 - 110		0000840990
Chloride (water extractable)	10.3	10.0	mg/kg	103	90.0 - 110		0000840998
Chloride (water extractable)	10.3	10.0	mg/kg	103	90.0 - 110		0000841002
Nitrate	10.0	10.0	mg/kg	100	90.0 - 110		0000840974
Nitrate	10.0	10.0	mg/kg	100	90.0 - 110		0000840990
Nitrate	10.2	10.0	mg/kg	102	90.0 - 110		0000841002
Nitrate	10.3	10.0	mg/kg	103	90.0 - 110		0000840998
Nitrate-Nitrite Nitrogen	5.29	5.30	mg/kg	99.8	90.0 - 110		0000840990
Nitrate-Nitrite Nitrogen	5.31	5.30	mg/kg	100	90.0 - 110		0000840974
Nitrate-Nitrite Nitrogen	5.39	5.30	mg/kg	102	90.0 - 110		0000841002

Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663
Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com LELAP-accredited #02008

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Quality Control

Report To:

Brian Cuellar
Safety & Environmental Solutio
703 E. Clinton
Hobbs, NM 88240

Project 442485

318131 I Soil SW-846 9056

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	Out	File
Nitrate-Nitrite Nitrogen	5.41	5.30	mg/kg	102	90.0 - 110		0000840998

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File	Out
Chloride (water extractable)	318047	0.971	1.00	mg/kg	97.1	90.0 - 110	0000840976	
Nitrate	318047	0.994	1.00	mg/kg	99.4	90.0 - 110	0000840976	
Nitrate-Nitrite Nitrogen	318047	0.523	0.530	mg/kg	98.7	90.0 - 110	0000840976	

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride (water extractable)	318047	0.971	0.981	1.00	90.0 - 110	97.1	98.1	mg/kg	1.02	20.0
Nitrate	318047	0.994	0.997	1.00	90.0 - 110	99.4	99.7	mg/kg	0.301	10.0
Nitrate-Nitrite Nitrogen	318047	0.523	0.525	0.530	90.0 - 110	98.7	99.1	mg/kg	0.404	10.0

MS

arameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
hloride (water extractable)	099906	358	350	87.4	10.0	80.0 - 120	2710 *	2630 *	mg/kg	3.00	10.0
itrate	099906	7.34	6.10	ND	10.0	80.0 - 120	73.4 *	61.0 *	mg/kg	18.5 *	10.0
itrate-Nitrite Nitrogen	099906	5.03	4.49	ND	5.30	80.0 - 120	94.9	84.7	mg/kg	11.4 *	10.0

RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

ANA-LAB CORP.
THE COMPLETE SERVICE LAB

2600 Dudley Rd
PO Box 9000
Kilgore, TX 75662
903.984.0551
(fx) 903.984.5914
e-mail: corp@ana-lab.com

Chain of Custody

Panhandle 806.355.3556 | Oklahoma 405.292.6630 | North-TX 817.261.6404 | Central- TX 512.821.0045
Rio Grand Valley 956.831.6437 | ArkLaMiss 318.219.9300 | Gulf Coast 281.333.9414 | Alabama 256.830.0788

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Report to: SESF	Project- Name / Location: Stevens & Johnson Horse Pen		Analysis Requested
Company name: SESF	Client Code:	Billing (if different)	
Address: 703 E Clinton			
City: Hobbs State: NM Zip: 88240		City State Zip	
Phone: 575-397-0510 Fax: E-mail: office2@sesf-nm.com		Phone Fax	
Sampler Signature:	Printed Name: Isaac Kincaid	Affiliation: SESF	PO Number: STE-03-003

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers		Comments
15340	#1	5/12/09	1124	Soil	1	Comp/Grab	
3341	#2		1126			Comp/Grab	
3342	#3		1128			Comp/Grab	
3343	#4		1130			Comp/Grab	
3344	#5		1132			Comp/Grab	
3345	#6		1136			Comp/Grab	
3346	#7		1138			Comp/Grab	
3347	#8		1148			Comp/Grab	
3350	#9		1152			Comp/Grab	
3351	#10		1155			Comp/Grab	

Hold

Date	Time	Relinquished by: Printed Name	Signature	Affiliation	Received by: Printed Name	Signature	Affiliation
5/13/09	1500	Isaac Kincaid		SESF	FedEx		
5/14/09	0960	FedEx			Christi Parker		Ana-Lab

Is Hazardous for: ☐ HF ☐ CN ☐ S= ☐ other##

☐ Wastewater ☐ Drinking Water ☐ SW846

Samples Received on Ice? ☐ Yes ☑ No
Cooler/Sample Secure? ☑ Yes ☐ No
Requested TAT ~~☑ Routine~~ ☐ 3 day ☐ 2 Day ☐ next day
4 day

Method of Shipment ☐ Bus ☑ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ DHL ☐ other
Tracking or Shipping Number 797592107482

25C

##comments
003689 ☑
003233 ☐
003532 ☐
003688 ☐

442485 CoC Print Group 001 of 001

ANA-LAB CORP. THE COMPLETE SERVICE LAB
2600 Dudley Rd
PO Box 9000
Kilgore, TX 75662
903.984.0551
(fx) 903.984.5914
e-mail: corp@ana-lab.com

Chain of Custody

Panhandle 806.355.3556 | Oklahoma 405.292.6630 | North-TX 817.261.6404 | Central- TX 512.821.0045
Rio Grand Valley 956.831.6437 | ArkLaMiss 318.219.9300 | Gulf Coast 281.333.9414 | Alabama 256.830.0788

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Report to:

Company name: SESI | Client Code: SESF

Address: 703 E Clinton

City: Hobbs | State: NM | Zip: 88240

Phone: 575-397-0510 | Fax | E-mail: Office2@SESInm.com

Sampler Signature | Printed Name: Isaac Kincaid | Affiliation: SESE

Project- Name / Location: Ste Vens & Johnson Horse Pen

Billing (if different)

City | State | Zip

Phone | Fax

PO Number: STE-03-003

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Comments	Analysis Requested: Chlorides
03528	#11	5/12/09	1200	Soil	1	Comp/Grab	✓
3529	SW #1		1202			Comp/Grab	
3530	SW #2		1205			Comp/Grab	
3531	SW #3		1207			Comp/Grab	
3532	EW #1		1210			Comp/Grab	
3533	EW #2		1213			Comp/Grab	
3534	NW		1215			Comp/Grab	
3535	#12	5/13/09	1600	Soil	1	Comp/Grab	✓
						Comp/Grab	
						Comp/Grab	
						Comp/Grab	

Date	Time	Relinquished by	Is Hazardous for: ☐ HF ☐ CN ☐ S= ☐ other##	Received by	☐ Wastewater ☐ Drinking Water ☐ SW846
5/13/09	1700 1500*	Printed Name: Isaac Kincaid	Signature	Affiliation: SESE	Printed Name: FedEx
5/14/09	0940	FedEx			Christi Parker Ana-Lab

Samples Received on Ice? ☐ Yes ☑ No | Method of Shipment ☐ Bus ☑ FedEX ☐ Lone Star ☐ UPS ☐ Hand delivered ☐ DHL ☐ other | ##comments

Cooler/Sample Secure? ☐ Yes ☐ No | Tracking or Shipping Number 797592107482

Requested TAT ~~☑ Routine~~ ☐ 3 day ☐ 2 Day ☐ next day

4 day

25°C

003689 ☐
003233 ☐
003532 ☐
003688 ☐

442485 CoC Print Group 001 of 001

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 22, 2010

Bob Allen
Safety & Environmental Solutions, Inc.
703 East Clinton, #102
Hobbs, NM 88240

Re: Horse Pen (STE-03-003)

Enclosed are the results of analyses for sample number H19101, received by the laboratory on 01/19/10 at 5:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS
ATTN: BOB ALLEN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO: (575) 393-4388

Receiving Date: 01/19/10
Reporting Date: 01/21/10
Project Number: STE-03-003 (STEVENS & JOHNSON)
Project Name: HORSE PEN
Project Location: LEA CO., NM

Analysis Date: 01/21/10
Sampling Date: 01/18/10
Sample Type: SOIL
Sample Condition: INTACT @ 18.5°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H19101-1	BH #1 5'	<16
H19101-2	BH #1 10'	64
H19101-3	BH #1 15'	160
H19101-4	BH #2 5'	< 16
H19101-5	BH #2 10'	<16
H19101-6	BH #2 15'	<16
H19101-7	BH #3 2'	288
H19101-8	BH #3 7'	1,620
H19101-9	BH #3 12'	1,140
H19101-10	BH #3 17'	480
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl^-B

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

Chemist

01/22/10
Date

H19101 SESI

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS
ATTN: BOB ALLEN
703 E. CLINTON, #102
HOBBS, NM 88240
FAX TO: (575) 393-4388

Receiving Date: 01/19/10
Reporting Date: 01/21/10
Project Number: STE-03-003 (STEVENS & JOHNSON)
Project Name: HORSE PEN
Project Location: LEA CO., NM

Analysis Date: 01/21/10
Sampling Date: 01/18/10 & 01/19/10
Sample Type: SOIL
Sample Condition: INTACT @ 18.5°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H19101-11	BH #3 22'	288
H19101-12	BH #4 SURFACE	96
H19101-13	BH #4 5'	624
H19101-14	BH #4 10'	1,200
H19101-15	BH #4 15'	224
H19101-16	BH #4 20'	400
H19101-17	BH #5 SURFACE	16
H19101-18	BH #5 10'	2,000
H19101-19	BH #5 15'	864
H19101-20	BH #5 20'	496
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods

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

Chemist

01/22/10
Date

H19101 SESI

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Company Name:	ESE
Project Manager:	Bob Allen
Address:	703 E Clinton
City:	Hobbs, State: NM Zip: 88240
Phone #:	575-397-0510 Fax #:
Project #:	Ste-03-003 Project Owner: Stevens & Johnson
Project Name:	Horsefern
Project Location:	Lea Co, NM
Sampler Name:	Isaac Kincaid

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	Same
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	chlorides
H19101-1	BH #1 5'	G	1			✓							1/18/10	0910	✓
-2	BH #1 10'													1114	
-3	BH #1 15'													1116	
-4	BH #2 5'													1145	
-5	BH #2 10'													1255	
-6	BH #2 15'													1300	
-7	BH #3 2'													1315	
-8	BH #3 7'													1430	
-9	BH #3 12'													1432	
-10	BH #3 17'													1615	

Sampler Relinquished:	Date: 1/19/10 Time: 1715	Received By:	
Relinquished By:	Date: 1/19/10 Time: 5:15	Received By:	Jodi Henson
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Temp: 18.5°C	Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) JH

Phone Result: ☐ No Add'l Phone #:
Fax Result: ☐ No Add'l Fax #:
REMARKS: ikincaid@ese-nm.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240
(575) 393-2326 Fax (575) 393-2476

Company Name: SESC
Project Manager: ~~703 E Clinton~~ Bob Allen
Address: 703 E Clinton
City: Hobbs State: NM Zip: 88240
Phone #: 575-397-0510 Fax #:
Project #: Ste-03-003 Project Owner: Stevens & Johnson
Project Name: Horse pen
Project Location: Lea Co, NM
Sampler Name: Isaac Kincaid

BILL TO

P.O. #:
Company:
Attn:
Address: Same
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

Chlorides

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H19101-11	BH #3 22'	G	1			✓							1/14/10	1617
-12	BH #4 Surface												1/19/10	0730
-13	BH #4 5'													0910
-14	BH #4 10'													0915
-15	BH #4 15'													1115
-16	BH #4 20'													1120
-17	BH #5 Surface													1145
-18	BH #5 10'													1255
-19	BH #5 15'													1505
20	BH #5 20'													1510

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 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 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: Date: 1/14/10 Time: 1705 Received By:
Relinquished By: Date: 1/19/10 Time: 5:15 Received By: Jodi Henson
Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Temp: 18.5°C Sample Condition: Cool ☐ Yes ☑ No Intact ☑ Yes ☐ No CHECKED BY: (Initials) JH

Phone Result: ☐ No Add'l Phone #:
Fax Result: ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 16, 2010

Bob Allen
Safety & Environmental Solutions, Inc.
703 East Clinton, #103
Hobbs, NM 88240

Re: STE-03-003 (Stevens & Johnson)

Enclosed are the results of analyses for sample number H19680, received by the laboratory on 04/14/10 at 3:30 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SAFETY & ENVIRONMENTAL SOLUTIONS
ATTN: BOB ALLEN
703 E. CLINTON, #103
HOBBS, NM 88240
FAX TO: (575) 393-4388

Receiving Date: 04/14/10
Reporting Date: 04/15/10
Project Number: STE-03-003 (STEVENS & JOHNSON)
Project Name: HORSE PEN
Project Location: LEA CO.

Analysis Date: 04/15/10
Sampling Date: 04/07/10, 04/9/10, 04/12/10 & 4/13/10
Sample Type: SOIL
Sample Condition: INTACT @ 23°C
Sample Received By: JH
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl^- (mg/kg)
H19680-1	EAST WALL #2	80
H19680-2	EAST WALL #3	48
H19680-3	NORTH WALL #3	160
H19680-4	EAST WALL #1	48
H19680-5	NORTH WALL #2	176
H19680-6	NORTH WALL #1	48
H19680-7	SOUTH WALL	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl⁻B

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

Chemist

04/16/10
Date

H19680 SESI

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name:	SESI
Project Manager:	Bob Allen
Address:	703 E. Clinton
City:	Hobbs State: NM Zip: 88240
Phone #:	575-397-0510 Fax #: 393-4388
Project #:	STE-03-003 Project Owner: Steve Jetson
Project Name:	Horse Pen
Project Location:	Lea, Co
Sampler Name:	Brian Cuellar

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	SAME
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	Cl-
H19680-1	East Wall #2	G	1			X							4-7-10	0926	X
-2	East Wall #3	G	1			X							4-7-10	0940	X
3	North Wall #3	G	1			X							4-7-10	1232	X
4	East Wall #1	G	1			X							4-7-10	1407	X
5	North Wall #2	G	1			X							4-9-10	0930	X
6	North Wall #1	G	1			X							4-12-10	1117	X
7	South Wall	C	1			X							4-13-10	1357	X

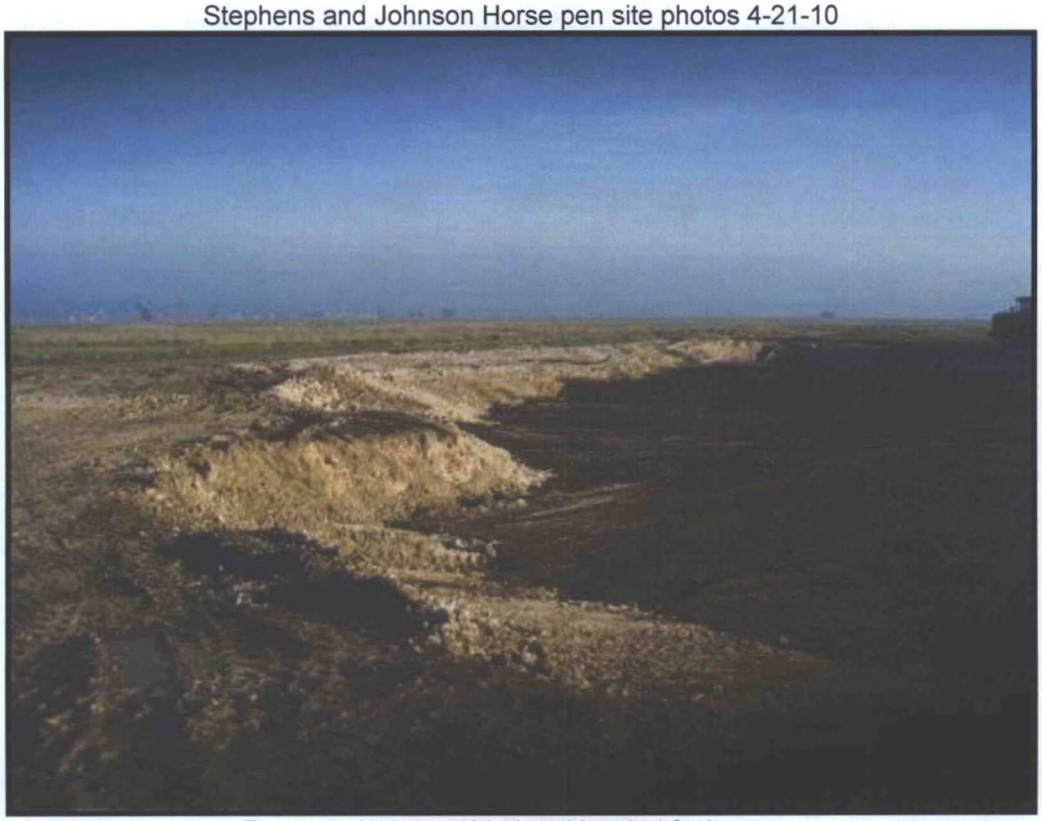
Relinquished By:	Date: 4/14/10 Time: 1530	Received By:	
Relinquished By:	Date: Time:	Received By: Jodi Henson	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool ☐ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	23°C

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:
REMARKS:			

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26

Stephens and Johnson Horse pen site photos 4-21-10



Excavated area padded and leveled facing west

Excavated area padded and leveled facing north

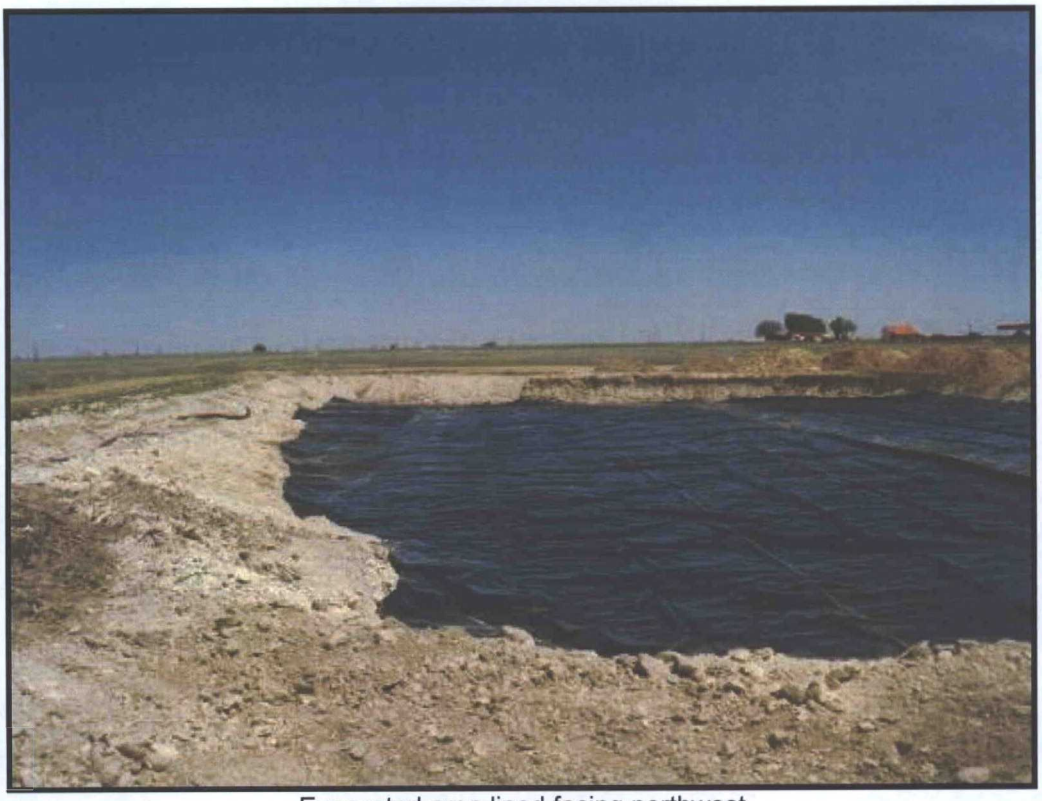
Excavated area padded and leveled facing north

Excavated area padded and leveled facing west

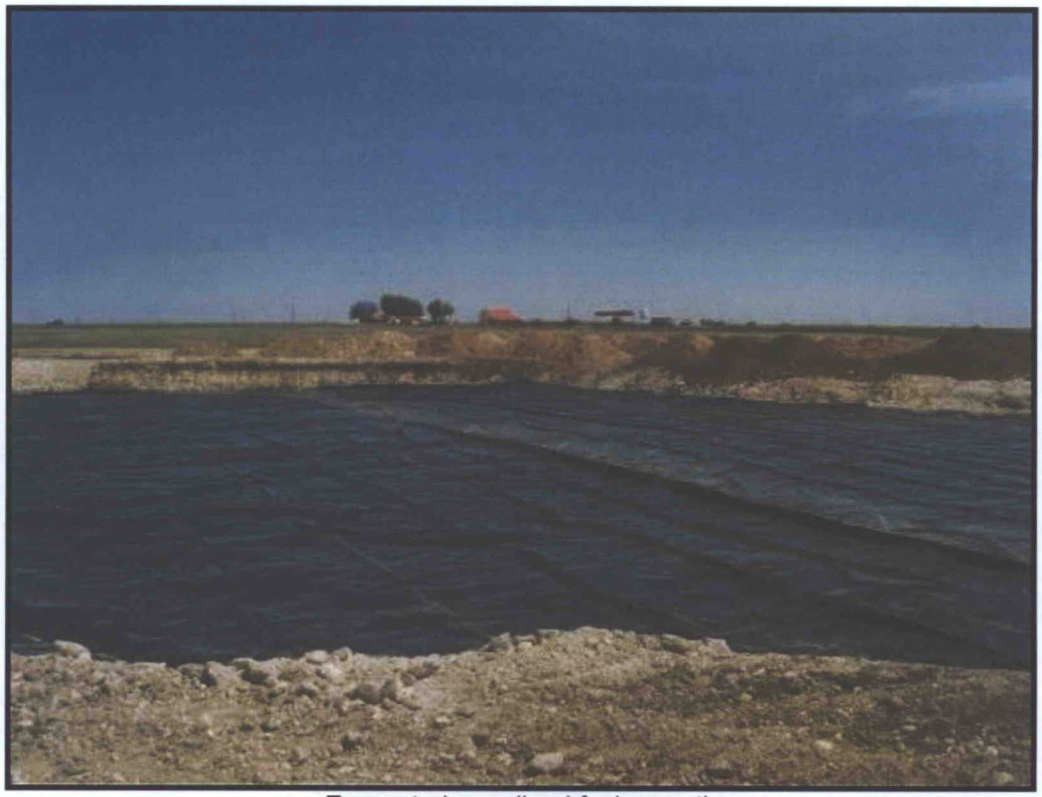
Excavated area padded and leveled facing north

Excavated area padded and leveled facing south

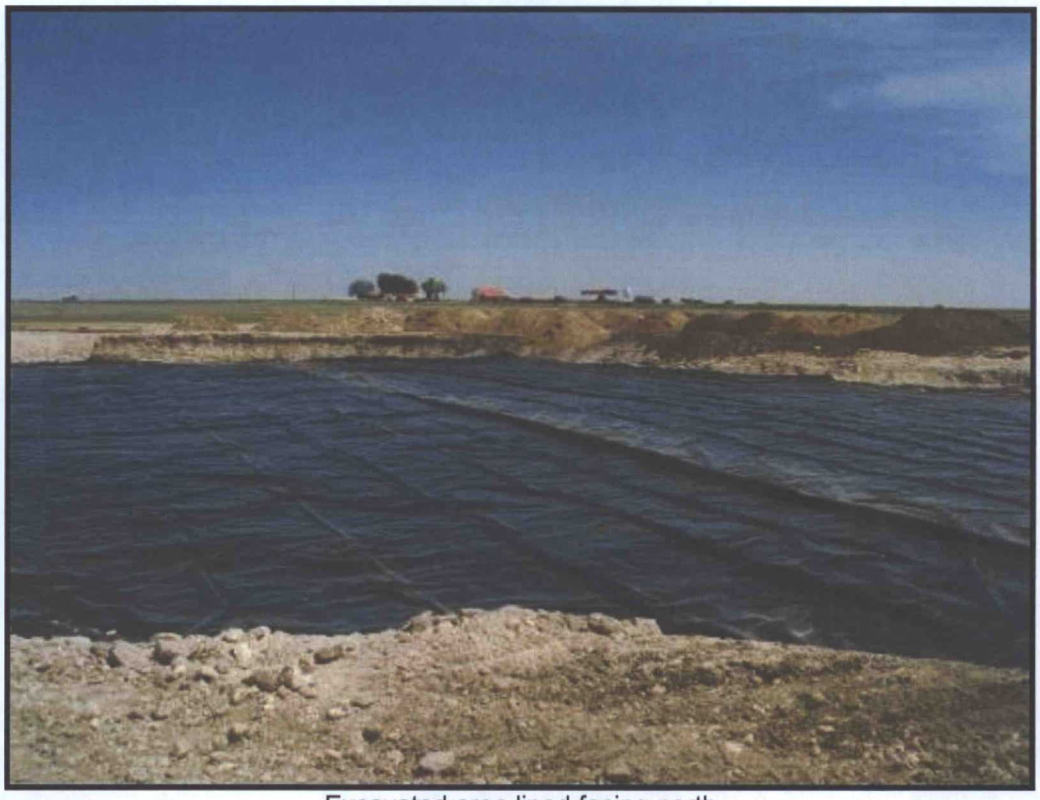
Excavated area padded and leveled facing west



Excavated area lined facing northwest

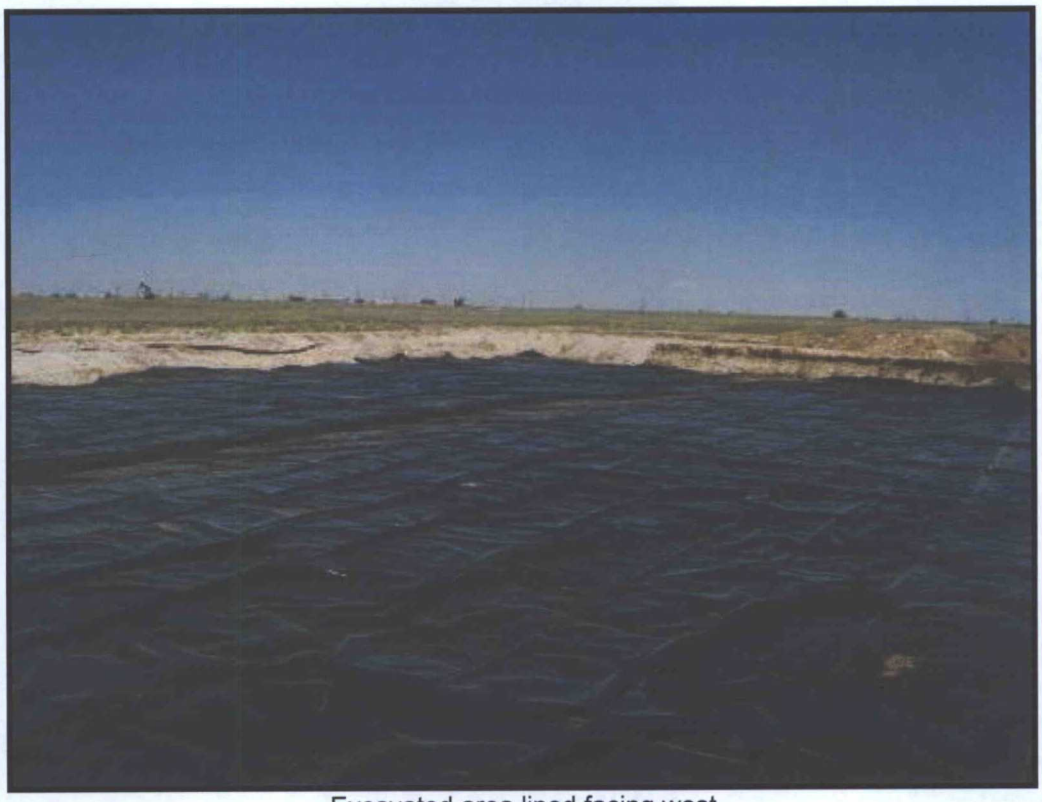


Excavated area lined facing north



Excavated area lined facing north

Excavated area lined facing east



Excavated area lined facing west

Liner with heat wield

Excavated area lined facing southwest

Stephens and Johnson Horsepen Site photos 4-29-10

Location area backfilled facing north

Location area backfilled facing north

Location area backfilled facing northeast

Location area backfilled facing east

Location area backfilled facing southeast

Location area backfilled facing north

Location area backfilled facing west

Location area backfilled facing south

Location area backfilled facing south

Location area backfilled facing southwest