

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 Linn Energy	Contact Gary Wink
Address 2130 W. Bender Blvd., Hobbs, NM 88240	Telephone No. (575) 738-1739
Facility Name East Hobbs San Andres Unit Main Battery	Facility Type Battery

Surface Owner Arena Resources, Inc.	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	30	18S	39E	2007'	FSL	677'	FEL	Lea

Latitude 32°42'59.934"N Longitude 103°4'42.14"W

NATURE OF RELEASE

Type of Release Oil	Volume of Release	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

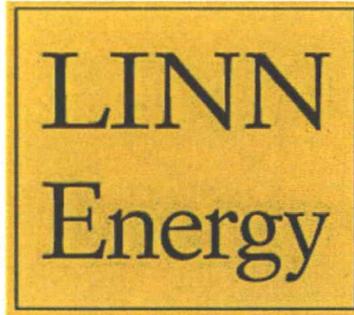
Describe Cause of Problem and Remedial Action Taken.*

Describe Area Affected and Cleanup Action Taken.* A total of 7,227 sq ft of battery pad, lease road and pasture was affected. RECS personnel were on site to begin work at the East Hobbs San Andres Unit Main Battery on January 9th, 2013. Surface samples and samples at depth were taken throughout the site. The samples were taken to a commercial laboratory for analysis of chlorides, TPH and the samples at depth for BTEX. Based on the laboratory data, the area to the south, located on the pad, was scraped down 6 inches and the area to the north, located in the pasture, was excavated down 1.5 ft. The excavated soil was taken to a NMOCD approved facility for disposal. A bottom composite sample of both the scrape and the excavation were taken to a commercial laboratory for analysis of TPH and BTEX. On May 2nd, 2013, NMOCD District 1 office verbally approved backfilling the pasture excavation. The north excavation was backfill with clean, imported top soil and the south scrape was backfilled with clean, imported caliche.

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: <i>Gary W. Wink</i>	OIL CONSERVATION DIVISION <i>Jeffrey Sekiny</i> Environmental Specialist	
Printed Name: Gary Wink	Approved by District Supervisor	
Title: Production Foreman	Approval Date: <u>10/10/13</u>	Expiration Date: <u>-</u>
E-mail Address: <u>gawink@linenergy.com</u>	Conditions of Approval: <u>-</u>	Attached <input type="checkbox"/>
Date: _____ Phone: (575) 738-1739	IRP-10-13-2970	

* Attach Additional Sheets If Necessary



LINN ENERGY

2130 W. Bender Blvd.
Hobbs, NM 88241
Phone 575.738.1739

East Hobbs San Andres Unit Main Battery

Closure Report

Release Date: January 9th, 2013

Unit Letter I, Section 30, Township 18S, Range 39E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

June 24th, 2013

Geoff Leking

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 1
1625 N. French Drive
Hobbs, NM 88240

**RE: Termination Request
Linn Energy Resources
East Hobbs San Andres Unit Main Battery
UL/I sec. 30 T-18-S R-39-E**

Mr. Leking:

Linn Energy Resources (Linn) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced.

Background and Previous Work

The site is located approximately 2 miles west of Hobbs, New Mexico at UL/I sec. 30 T18S R39E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 80 +/- feet.

RECS personnel were on site to begin work at the East Hobbs San Andres Unit Main Battery on January 9th, 2013. Surface samples and samples at depth were taken throughout the site (Figure 1). The samples were taken to a commercial laboratory for analysis of chlorides, TPH and the samples at depth for BTEX (Appendix A). Throughout the site, the chloride values were low; however, TPH and BTEX levels were elevated but decreased with depth.

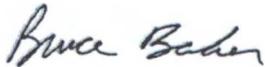
Based on the laboratory data, the area to the south, located on the pad, was scraped down 6 inches and the area to the north, located in the pasture, was excavated down 1.5 ft (Figure 2). The excavated soil was taken to a NMOCD approved facility for disposal. A bottom composite sample of both the scrape and the excavation were taken to a commercial laboratory for analysis of TPH and BTEX (Appendix B). The north excavation returned a TPH reading of 12.2 mg/kg. The south scrape returned a TPH reading of 990 mg/kg and a Total BTEX reading of 2.423 mg/kg.

On May 2nd, 2013, NMOCD District 1 office verbally approved backfilling the pasture excavation. The north excavation was backfill with clean, imported top soil and the south scrape was backfilled with clean, imported caliche. Photo documentation of these activities can be found in Appendix C.

Due to the removal of impacted soils and their replacement with clean, imported soil, Linn, submits the final C-141 (Appendix D) and respectfully requests the closure of the regulatory file for this site.

RECS appreciates the opportunity to work with you on this project. Please call the number below if you have any questions or wish to discuss the site.

Sincerely,

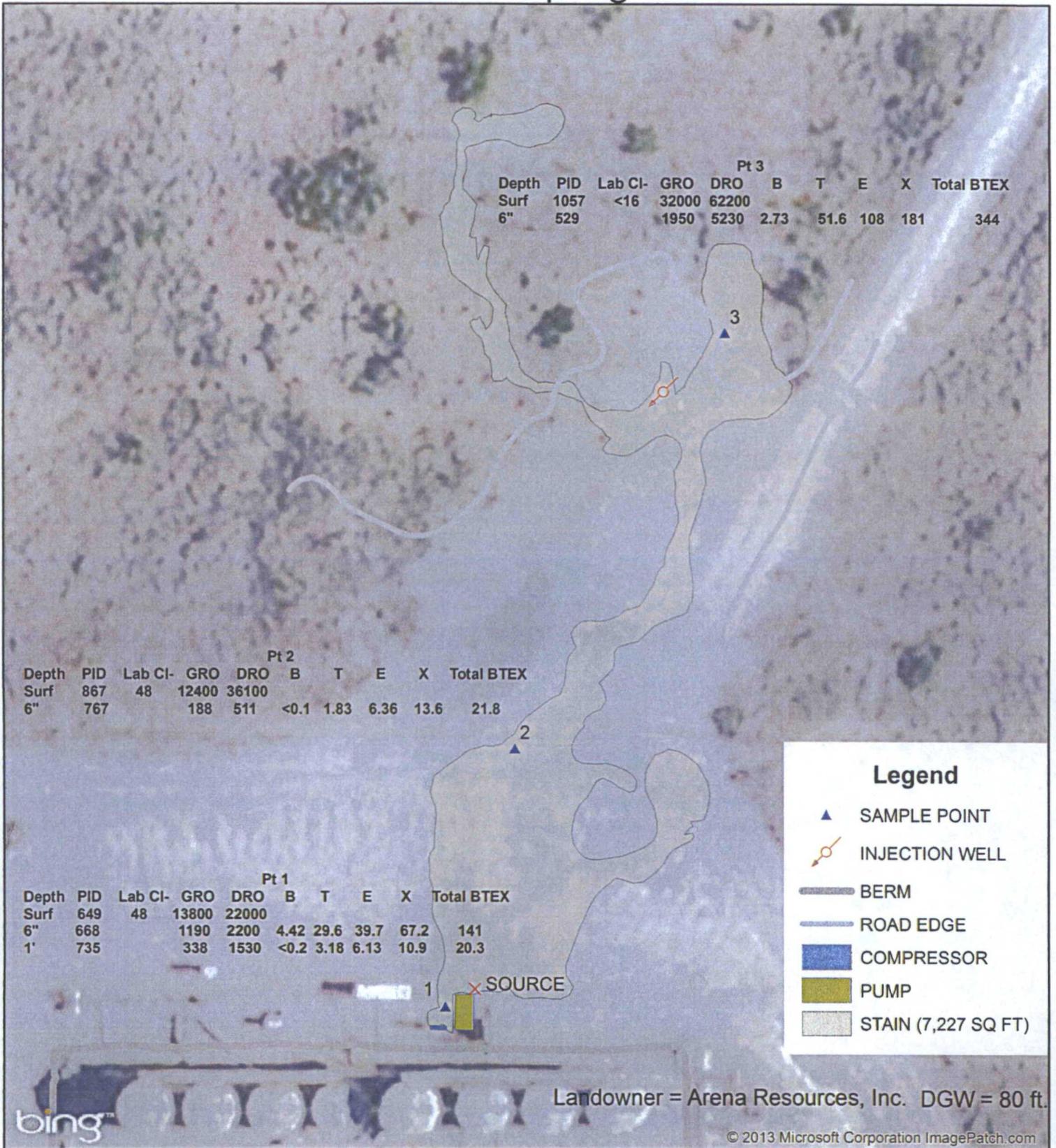
A handwritten signature in cursive script that reads "Bruce Baker".

Bruce Baker
Project Manager
RECS
(575) 631-5157

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Excavation Data
- Appendix A – Initial Sampling Laboratory Analyses
- Appendix B – Final Sampling Laboratory Analyses
- Appendix C – Photo Documentation
- Appendix D – Final C-141

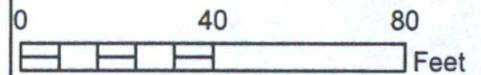
Initial Sampling Data



LINN EAST HOBBS SA UNIT MAIN BATTERY AD

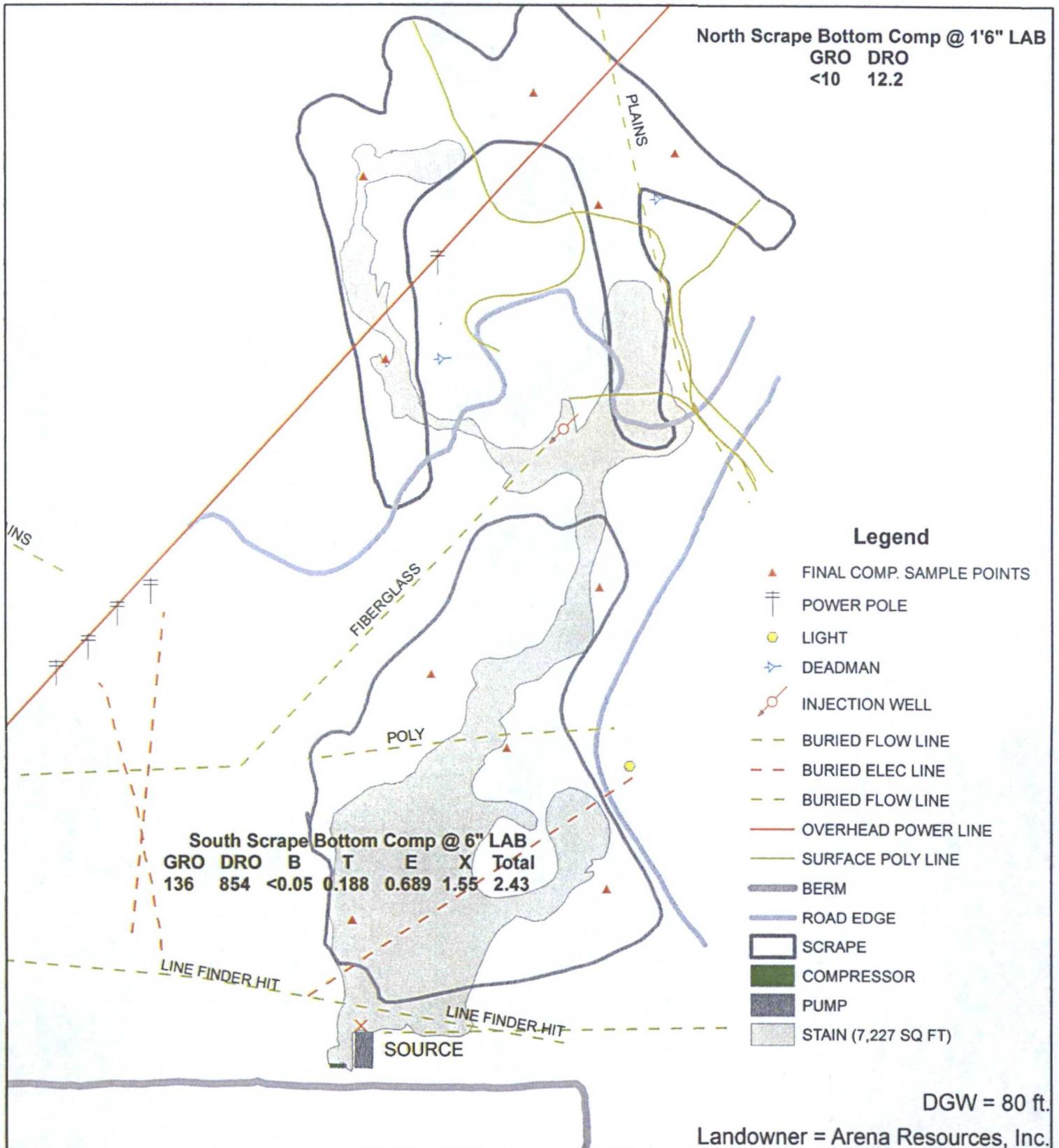
UL I SECTION 30
T-18-S R-39-E
LEA COUNTY, NM

Figure 1



GPS date: 1/9/13 TG
Drawing date: 1/10/13
Drafted by: Tony Grieco

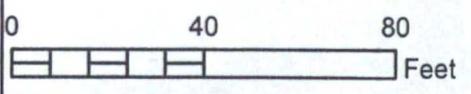
Excavation Data



**LINN EAST
 HOBBS SA UNIT
 MAIN BATTERY AD**

UL I SECTION 30
 T-18-S R-39-E
 LEA COUNTY, NM

Figure 2



GPS date: 3/15/13 JK, 3/20/13 WJ
 Drawing date: 3/27/13
 Drafted by: L. Weinheimer



January 16, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: LINN HOBBS EAST SA UNIT BATTERY AD

Enclosed are the results of analyses for samples received by the laboratory on 01/10/13 9:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through 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 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/10/2013	Sampling Date:	01/09/2013
Reported:	01/16/2013	Sampling Type:	Soil
Project Name:	LINN HOBBS EAST SA UNIT BATTERY AC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 (H300075-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/15/2013	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	13800	100	01/16/2013	ND	204	102	200	8.39		
DRO >C10-C28	22000	100	01/16/2013	ND	220	110	200	11.0		

Surrogate: 1-Chlorooctane 276 % 65.2-140

Surrogate: 1-Chlorooctadecane 562 % 63.6-154

Sample ID: SP 2 (H300075-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/15/2013	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	12400	100	01/16/2013	ND	204	102	200	8.39		
DRO >C10-C28	36100	100	01/16/2013	ND	220	110	200	11.0		

Surrogate: 1-Chlorooctane 434 % 65.2-140

Surrogate: 1-Chlorooctadecane 919 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/10/2013	Sampling Date:	01/09/2013
Reported:	01/16/2013	Sampling Type:	Soil
Project Name:	LINN HOBBS EAST SA UNIT BATTERY AC	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 (H300075-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/15/2013	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	32000	200	01/16/2013	ND	204	102	200	8.39		
DRO >C10-C28	62200	200	01/16/2013	ND	220	110	200	11.0		
Surrogate: 1-Chlorooctane	802 %	65.2-140								
Surrogate: 1-Chlorooctadecane	1650 %	63.6-154								

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager

January 25, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EAST HOBBS SAN ANDRES UNIT CENTRAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/18/13 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through 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 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/18/2013	Sampling Date:	01/18/2013
Reported:	01/25/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTR	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 6" (H300151-01)

BTEX 8021B	mg/kg	Analyzed By: AP				S-06				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	4.42	0.500	01/24/2013	ND	1.98	99.0	2.00	7.86		
Toluene*	29.6	0.500	01/24/2013	ND	2.00	100	2.00	7.97		
Ethylbenzene*	39.7	0.500	01/24/2013	ND	2.04	102	2.00	8.20		
Total Xylenes*	67.2	1.50	01/24/2013	ND	6.20	103	6.00	8.16		
Total BTEX	141	3.00	01/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 143 % 89.4-126

TPH 8015M	mg/kg	Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1190	50.0	01/23/2013	ND	167	83.7	200	6.36		
DRO >C10-C28	2200	50.0	01/23/2013	ND	166	83.0	200	5.23		

Surrogate: 1-Chlorooctane 93.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/18/2013	Sampling Date:	01/18/2013
Reported:	01/25/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTR	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 1' (H300151-02)

BTEX 8021B	mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	01/24/2013	ND	1.98	99.0	2.00	7.86	
Toluene*	3.18	0.200	01/24/2013	ND	2.00	100	2.00	7.97	
Ethylbenzene*	6.13	0.200	01/24/2013	ND	2.04	102	2.00	8.20	
Total Xylenes*	10.9	0.600	01/24/2013	ND	6.20	103	6.00	8.16	
Total BTEX	20.3	1.20	01/24/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 130 % 89.4-126

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	338	50.0	01/23/2013	ND	167	83.7	200	6.36	
DRO >C10-C28	1530	50.0	01/23/2013	ND	166	83.0	200	5.23	

Surrogate: 1-Chlorooctane 77.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/18/2013	Sampling Date:	01/18/2013
Reported:	01/25/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTR	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 2 @ 6" (H300151-03)

BTEX 8021B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.100	0.100	01/24/2013	ND	1.98	99.0	2.00	7.86		
Toluene*	1.83	0.100	01/24/2013	ND	2.00	100	2.00	7.97		
Ethylbenzene*	6.36	0.100	01/24/2013	ND	2.04	102	2.00	8.20		
Total Xylenes*	13.6	0.300	01/24/2013	ND	6.20	103	6.00	8.16		
Total BTEX	21.8	0.600	01/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 175 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	188	50.0	01/23/2013	ND	167	83.7	200	6.36		
DRO >C10-C28	511	50.0	01/23/2013	ND	166	83.0	200	5.23		

Surrogate: 1-Chlorooctane 70.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 73.9 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/18/2013	Sampling Date:	01/18/2013
Reported:	01/25/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTR	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 3 @ 6" (H300151-04)

BTEX 8021B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	2.73	1.00	01/24/2013	ND	1.98	99.0	2.00	7.86		
Toluene*	51.6	1.00	01/24/2013	ND	2.00	100	2.00	7.97		
Ethylbenzene*	108	1.00	01/24/2013	ND	2.04	102	2.00	8.20		
Total Xylenes*	181	3.00	01/24/2013	ND	6.20	103	6.00	8.16		
Total BTEX	344	6.00	01/24/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 160 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	1950	50.0	01/23/2013	ND	167	83.7	200	6.36		
DRO >C10-C28	5230	50.0	01/23/2013	ND	166	83.0	200	5.23		

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 72.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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. 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

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.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CV CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: RECS
Project Manager: BRUCE BAKER
Address:
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name: LINN
Project Location: EAST HOBBS SMM ANALYSIS UNIT
Sampler Name: TONY GIERCE

BILL TO ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME
H300151-01	SPIC 6"	01	1	WASTEWATER GROUNDWATER SOIL OIL SLUDGE OTHER:	ICE/COOL ACID/BASE OTHER:		1-18-13	1:40
02	SPIC 1'	01	1				1-18-13	3:70
03	SPIC 6"	01	1				1-18-13	1:50
04	SPIC 6"	01	1				1-18-13	2:00

b-TEX
TPH 801524

Relinquished By: [Signature] Date: 1/18/13 Time: 9:34p
Received By: [Signature] Date: 1/18/13 Time: 9:34p

Relinquished By: [Signature] Date: 1/18/13 Time: 9:34p
Received By: [Signature] Date: 1/18/13 Time: 9:34p

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 1.5°C

Sample Condition:
 Cook: Intact
 Yes No

Checked By: [Signature] (Initials) cpl

Phone Result: Yes No **Add'l Phone #:**
Fax Result: Yes No **Add'l Fax #:**

REMARKS:
 L. Weinheimer
 B. Baker
 A. Ruth
 H. Conder

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 contract, tort, negligence, strict liability, or otherwise.

March 21, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EAST HOBBS SAN ANDRES UNIT CENTRAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/19/13 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through 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 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/19/2013	Sampling Date:	03/18/2013
Reported:	03/21/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTR	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S SCRAPE BOTTOM COMP @ 6" (H300650-01)

BTEX 8021B		mg/kg		Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2013	ND	2.01	101	2.00	16.1		
Toluene*	0.188	0.050	03/19/2013	ND	2.01	101	2.00	15.8		
Ethylbenzene*	0.689	0.050	03/19/2013	ND	1.95	97.3	2.00	16.1		
Total Xylenes*	1.55	0.150	03/19/2013	ND	5.88	98.0	6.00	16.5		
Total BTEX	2.43	0.300	03/19/2013	ND						

Surrogate: 4-Bromofluorobenzene (PI) 146 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	136	50.0	03/19/2013	ND	181	90.6	200	7.45		
DRO >C10-C28	854	50.0	03/19/2013	ND	179	89.7	200	7.13		

Surrogate: 1-Chlorooctane 92.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

April 19, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EAST HOBBS SAN ANDRES UNIT CENTRAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 04/16/13 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through 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 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 BRUCE BAKER
 112 W. TAYLOR
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/16/2013	Sampling Date:	04/15/2013
Reported:	04/19/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT CENTRU	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 PT. COMPOSITE (H300905-01)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/17/2013	ND	214	107	200	1.59	
DRO >C10-C28	12.2	10.0	04/17/2013	ND	231	116	200	8.38	
<i>Surrogate: 1-Chlorooctane</i>	86.9 %	65.2-140							
<i>Surrogate: 1-Chlorooctadecane</i>	105 %	63.6-154							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

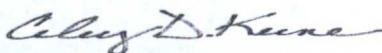
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

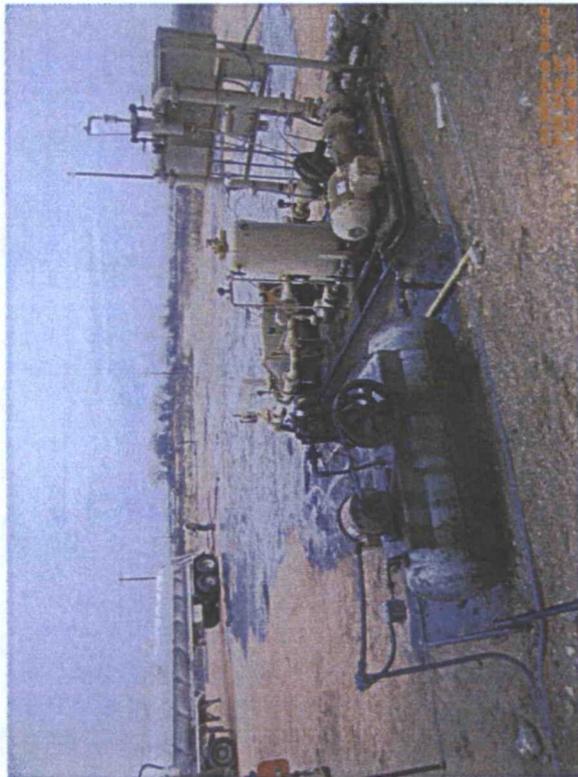
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. 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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

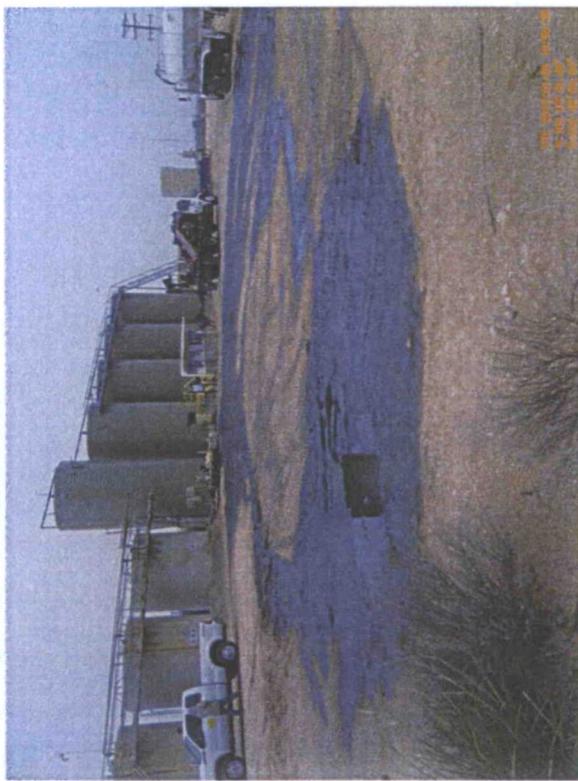
Linn East Hobbs SA Unit Main Battery AD

Unit Letter I, Section 30, T18S, R39E



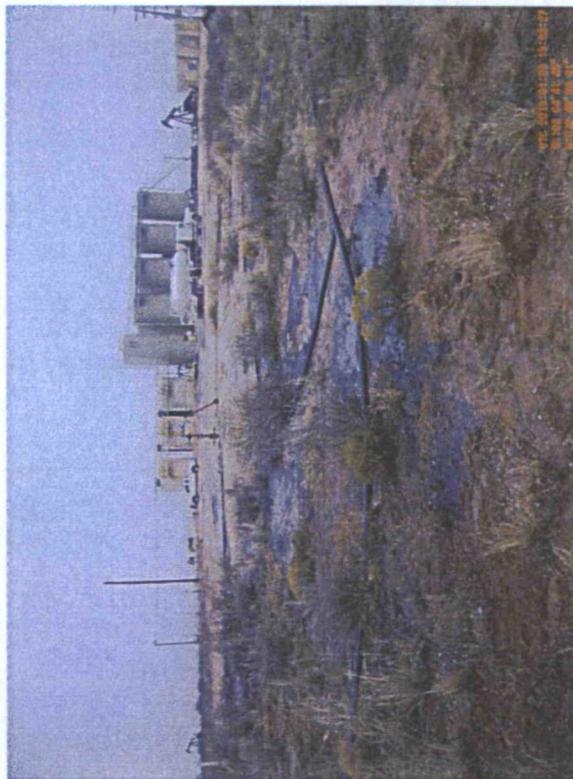
Initial release area, facing northeast

1/9/13



Initial release area, facing southwest

1/9/13



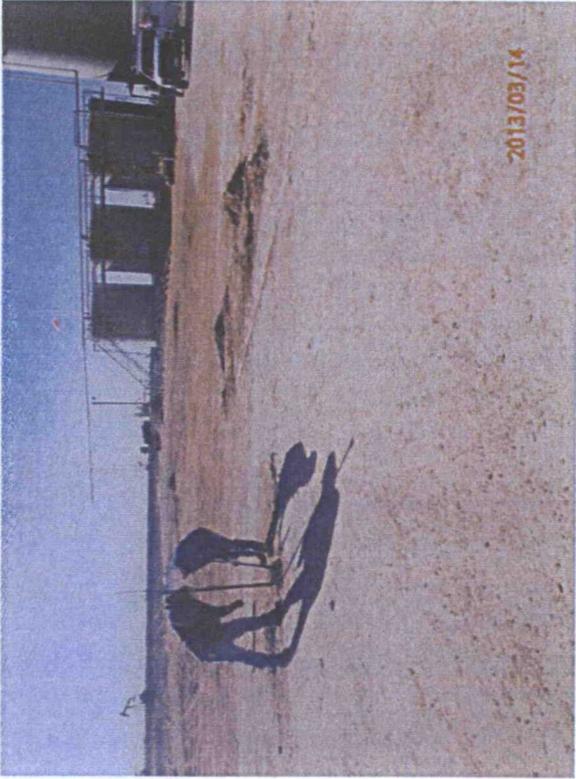
Initial release area, facing southwest

1/9/13



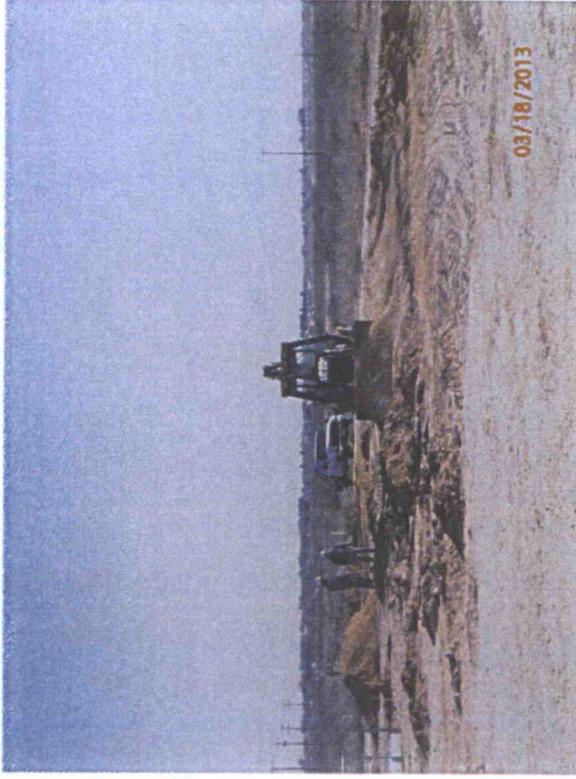
Initial release area, facing south

1/9/13



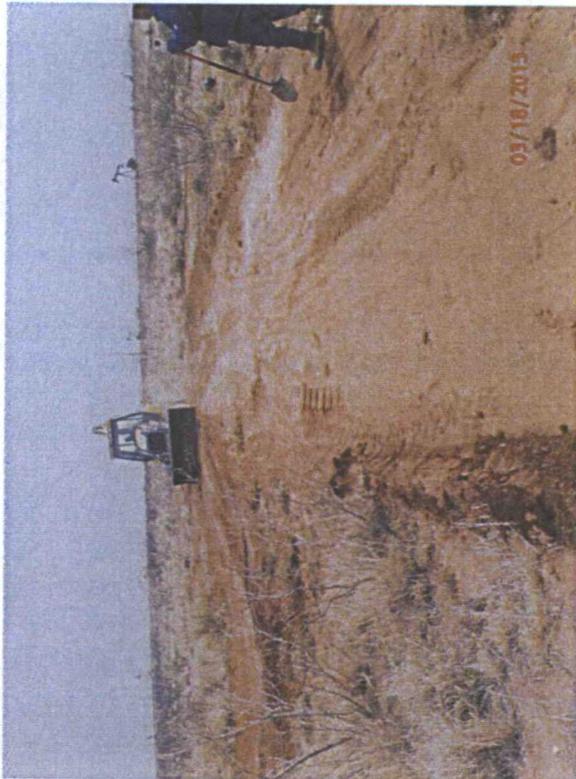
Spotting lines, facing southeast

3/14/13



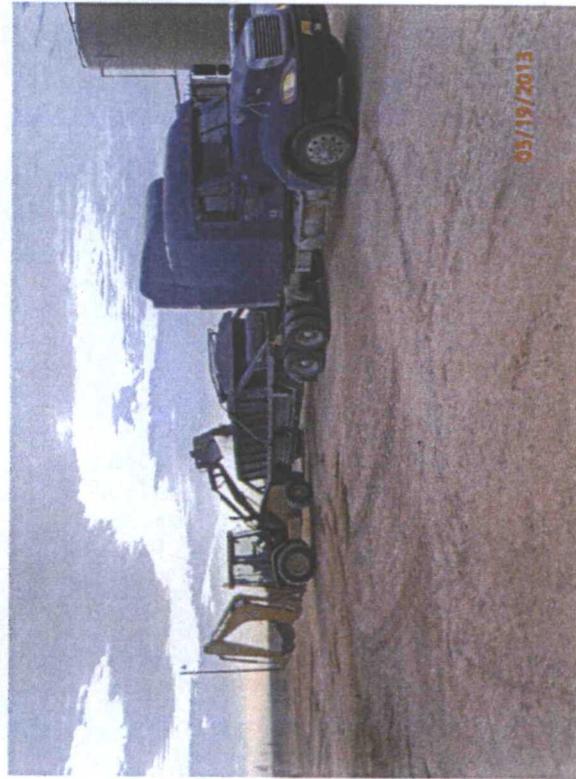
Scraping south area, facing northeast

3/18/13



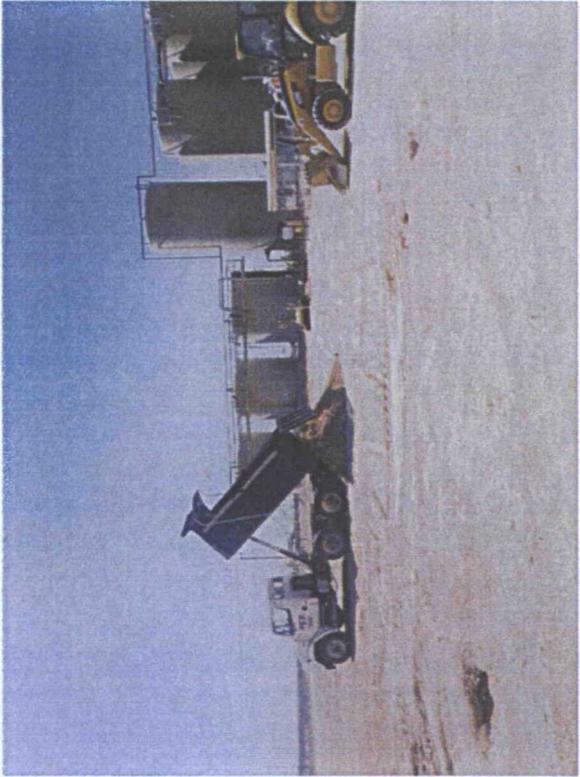
Scraping north area, facing east

3/18/13



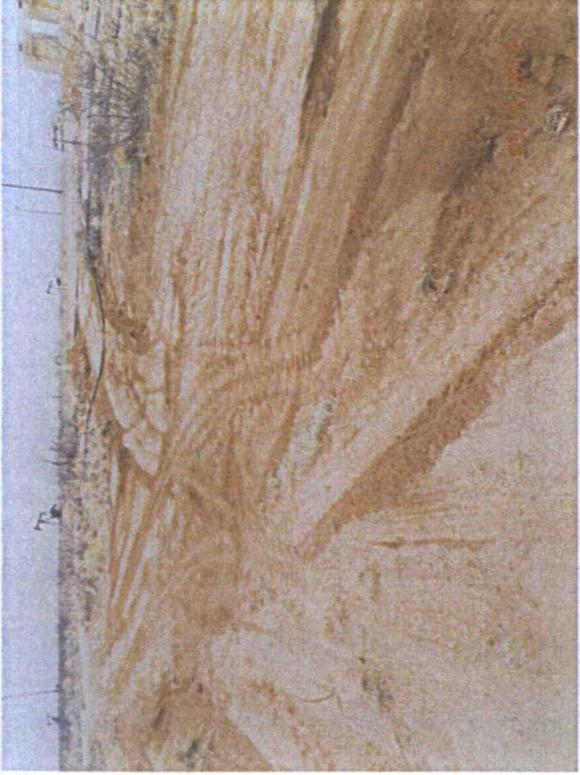
Exporting soil, facing northeast

3/19/13



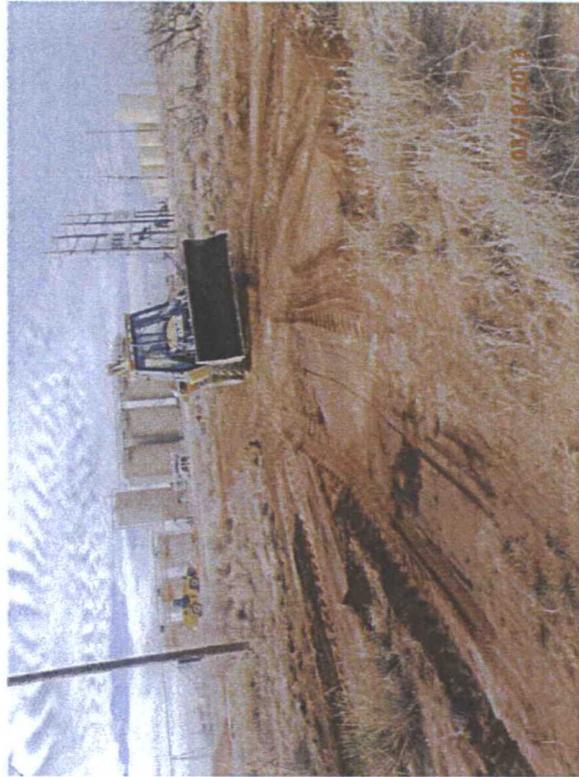
Importing soil, facing south

4/4/13



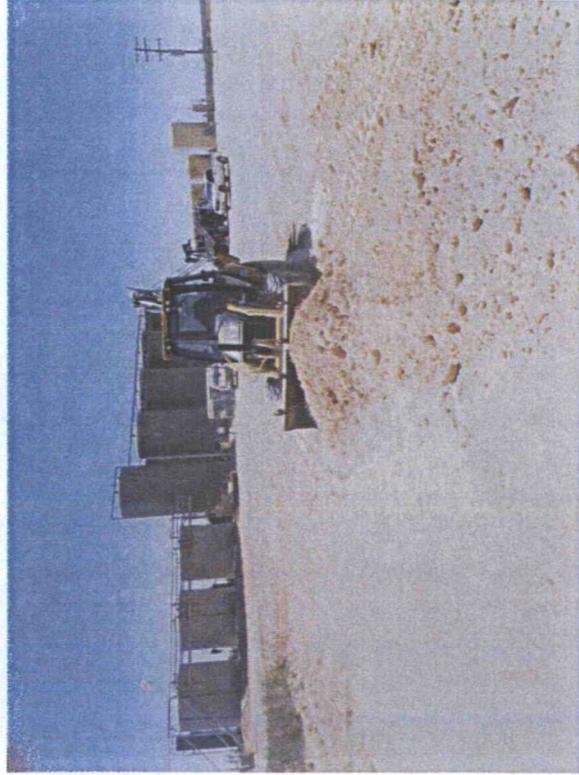
Scrape completed to 1', facing southeast

4/19/13



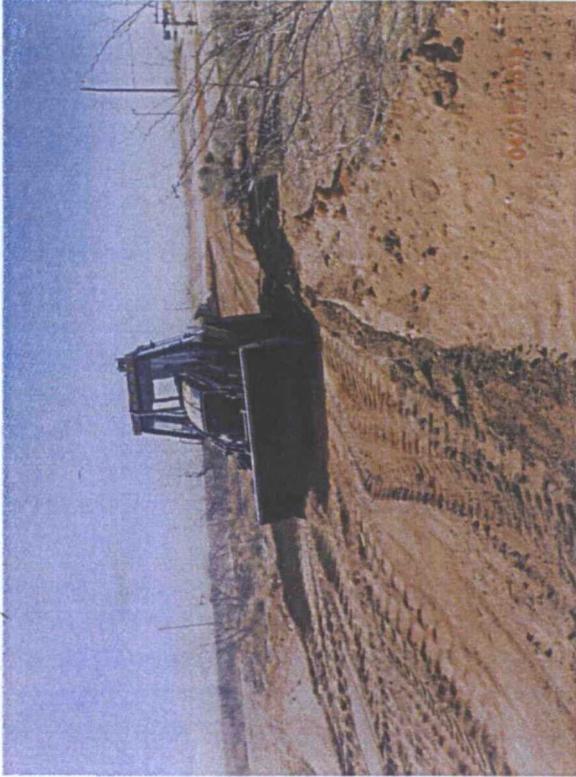
Scrape completed to 1', facing southeast

4/19/13

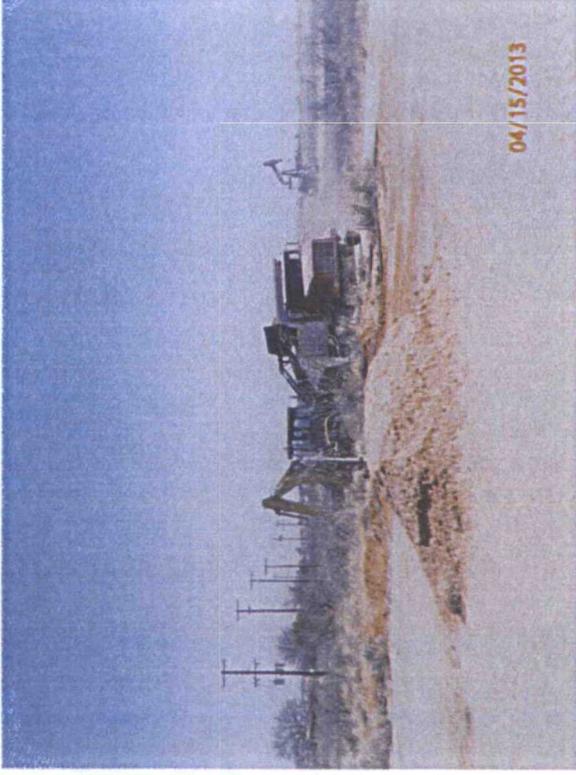


Backfilling pad, facing southwest

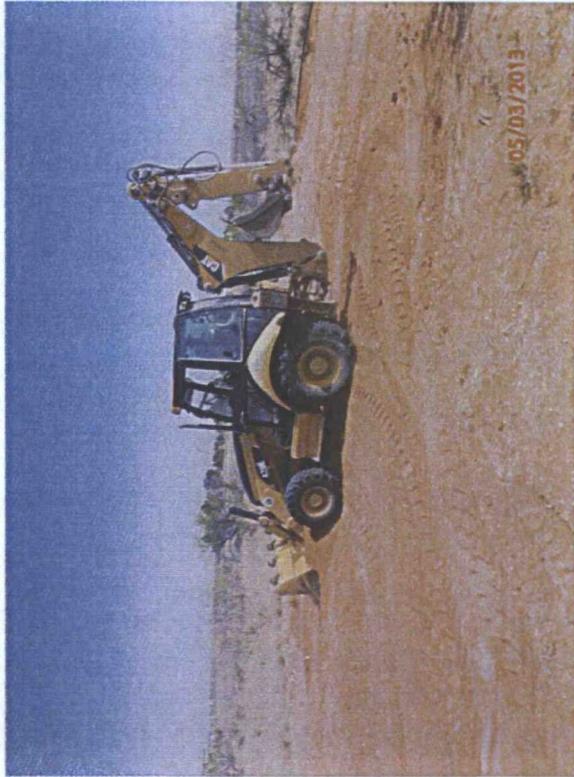
4/4/13



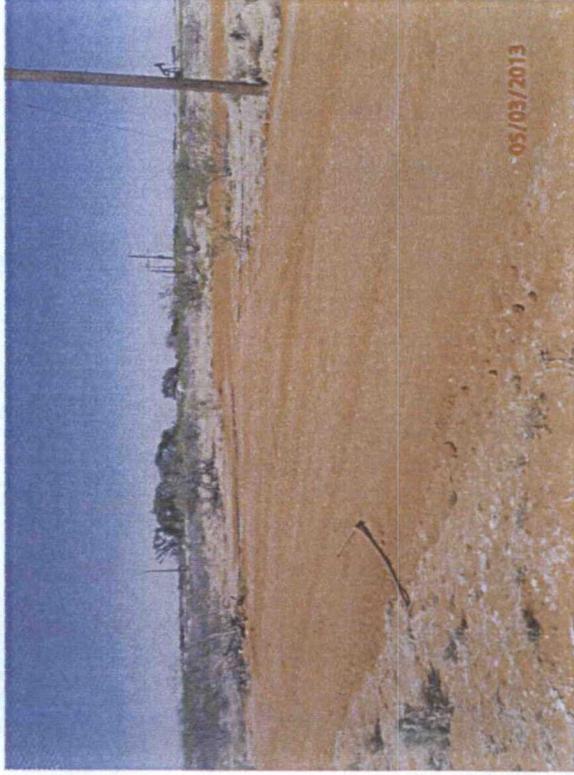
Excavating pasture 6 more inches, facing southeast
4/15/13



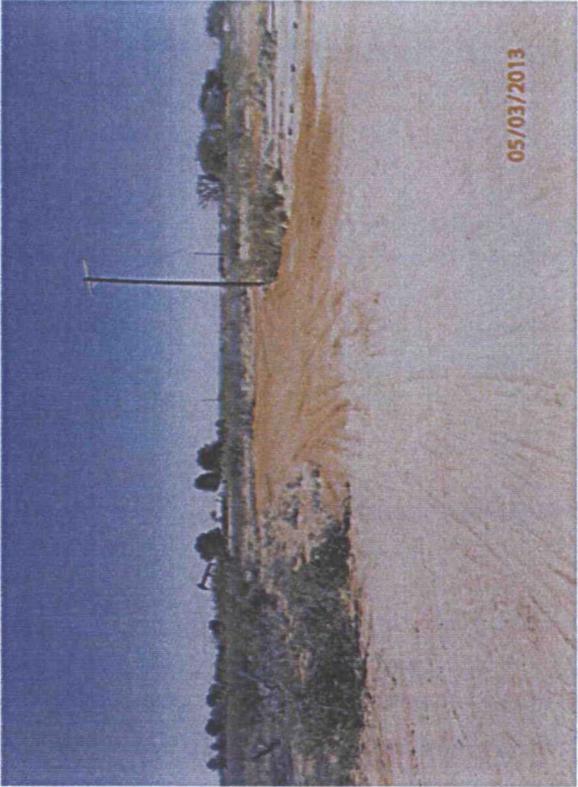
Exporting soil, facing northeast
4/15/13



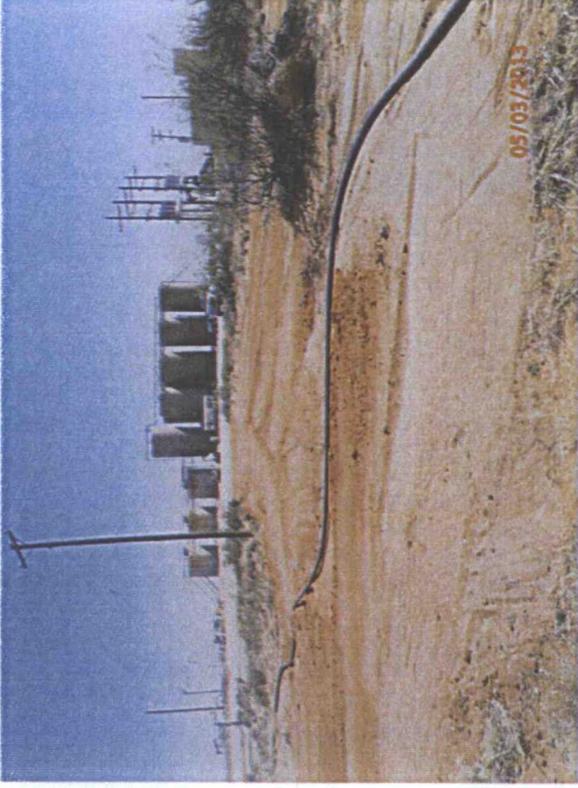
Backfilling site, facing west
5/3/13



Site completed, facing southeast
5/3/13



Excavation completed in north area, facing northwest
5/3/13



Site completed, facing southwest
5/3/13