

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

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 #515, Unit K	Facility Type Production Pump Jack	
Surface Owner Arena Resources Inc.	Mineral Owner	API No. 30-025-07941

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	29	18S	39E	1674	FSL	1167	FEL	Lea

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Production Fluid	Volume of Release	Volume Recovered
Source of Release Production Pump Jack	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.*

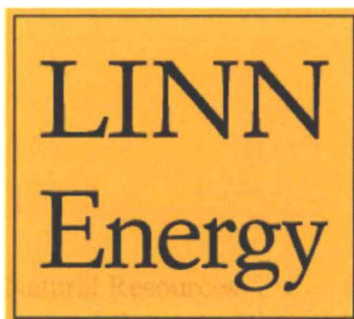
Describe Area Affected and Cleanup Action Taken.*

A total of 4,915 sq ft of pasture was affected by the release. On February 20th, 2013, RECS personnel initiated work on the East Hobbs San Andres Unit #515, Unit K. Soil samples were collected from three surface points in the release and field tested for chlorides and hydrocarbons. The samples were then taken to a commercial laboratory for chloride and TPH (GRO/DRO) analyses. The leak area was scraped down to 6 inches below ground surface (bgs) and a representative composite sample was taken from the excavation bottom. The sample was field tested for chlorides and hydrocarbons and then sent to a commercial laboratory for chloride and TPH confirmation. Impacted soils were removed to a NMOCD approved disposal facility. The excavation was backfilled with clean, imported soil, and the site was contoured to the surrounding landscape.

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 Sekim</i> Approved by Environmental Specialist	
Printed Name: Gary Wink	Approval Date: 7-24-13	Expiration Date: -
Title: Production Foreman	Conditions of Approval: -	
E-mail Address: gawink@linenergy.com	Attached <input type="checkbox"/>	
Date: 7/19/13	Phone: (575) 738-1739	IRP-7-13-2939

* Attach Additional Sheets If Necessary



LINN ENERGY

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

approved
Jeffrey LeKing
Environmental Specialist

NMOC-DIST 1
7/24/13

East Hobbs San Andres Unit #515 Unit K

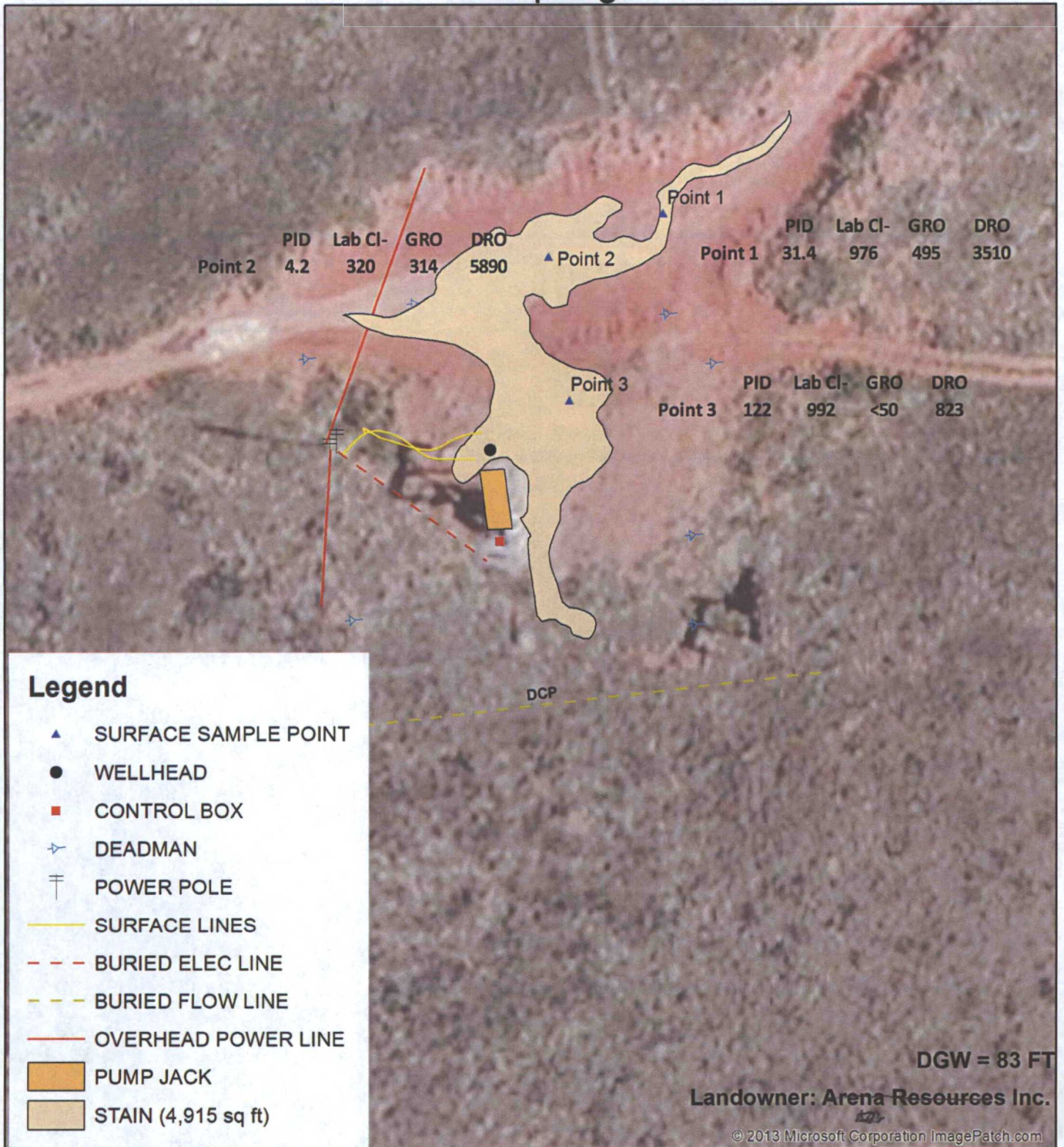
Closure Report

API 30-025-07941

Release Date: February 20th, 2013

Unit Letter K, Section 29, Township 18S, Range 39E

Initial Sampling Data



LINN EAST HOBBS SAN ANDREAS UNIT #515 UNIT K

LEGALS: UL/K sec. 29
T-18-S R-39-E
LEA COUNTY, NM

Figure 1

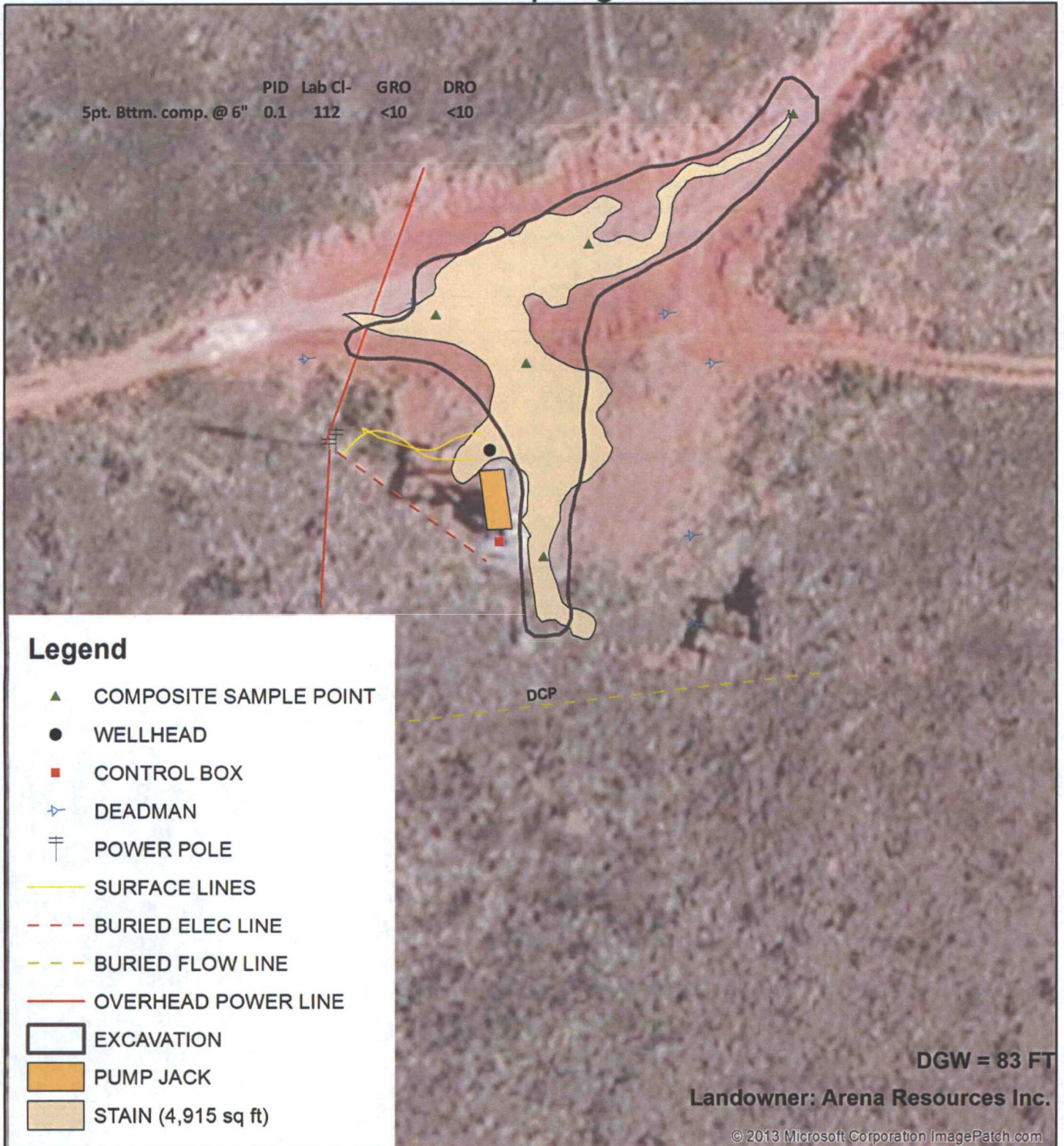


0 40 80
Feet

GPS date: 2/20/13 WJ, 3/13/13 JK
Drawing date: 3/14/13
Drafted by: L. Weinheimer, A.C. Ruth

Final Sampling Data

	PID	Lab Cl-	GRO	DRO
5pt. Bttm. comp. @ 6"	0.1	112	<10	<10



LINN EAST HOBBS SAN ANDREAS UNIT #515 UNIT K

LEGALS: UL/K sec. 29
T-18-S R-39-E
LEA COUNTY, NM

Figure 2



0 40 80
Feet

GPS date: 2/20/13 WJ, 3/13/13 JK
Drawing date: 3/14/13
Drafted by: L. Weinheimer, A.C. Ruth



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

February 27, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EAST HOBBS SAN ANDRES UNIT #515 UNIT R

Enclosed are the results of analyses for samples received by the laboratory on 02/20/13 14:05.

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:	02/20/2013	Sampling Date:	02/20/2013
Reported:	02/27/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT #515 U	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: POINT 1 (H300468-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	495	50.0	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	3510	50.0	02/26/2013	ND	178	88.8	200	14.1	

Surrogate: 1-Chlorooctane 149 % 65.2-140

Surrogate: 1-Chlorooctadecane 163 % 63.6-154

Sample ID: POINT 2 (H300468-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/25/2013	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	314	50.0	02/26/2013	ND	184	91.9	200	12.5	
DRO >C10-C28	5890	50.0	02/26/2013	ND	178	88.8	200	14.1	

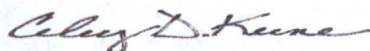
Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 196 % 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

Analytical Results For:

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

Received:	02/20/2013	Sampling Date:	02/20/2013
Reported:	02/27/2013	Sampling Type:	Soil
Project Name:	EAST HOBBS SAN ANDRES UNIT #515 U	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		


Sample ID: POINT 3 (H300468-03)

Chloride, SM4500Cl-B			mg/kg							Analyzed By: DW
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	02/25/2013	ND	416	104	400	3.77		
TPH 8015M			mg/kg							Analyzed By: MS
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	02/26/2013	ND	184	91.9	200	12.5		
DRO >C10-C28	823	50.0	02/26/2013	ND	178	88.8	200	14.1		
Surrogate: 1-Chlorooctane	90.6 %	65.2-140								
Surrogate: 1-Chlorooctadecane	123 %	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

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

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: RECS		ANALYSIS REQUEST															
Project Manager: <i>Renee Baker</i>		P.O. #:		Company:		Chlorides		TPH 8015 M		BTEX		Texas TPH		Complete Cations/Anions		TDS	
Address: <i>113 West Taylor</i>		State: NM Zip: 88240		Attn:													
City: <i>Hobbs</i>		Fax #:		Address:													
Phone #:		Project Owner:		City:													
Project #:		Project Name: <i>East Hobbs San Antonio Unit #515 unit R</i>		State:		Zip:											
Project Location:		Sampler Name: <i>William J. Fendley</i>		Phone #:													
Fax #:																	
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING											
Lab I.D.		Sample I.D.		OTHER:		ICE / COOL		DATE		TIME							
<i>H300468</i>		<i>1 Unit 1</i>		<i>✓</i>		<i>✓</i>		<i>2-20-13</i>		<i>10:35</i>		<i>✓</i>					
<i>2 Unit 2</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>2-20-13</i>		<i>10:40</i>		<i>✓</i>					
<i>3 Unit 3</i>		<i>✓</i>		<i>✓</i>		<i>✓</i>		<i>2-20-13</i>		<i>10:45</i>		<i>✓</i>					

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 rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		Date: <i>2-20-13</i>		Time: <i>10:05</i>		Sample Condition		CHECKED BY: <i>[Signature]</i>	
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		Date: <i>2-20-13</i>		Time: <i>10:05</i>		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Initials: <i>[Signature]</i>	
Delivered By: (Circle One)		Sampler - UPS - Bus - Other:		Zonder@rice-ecs.com; Bbaker@rice-ecs.com;		hconder@rice-ecs.com; Lweinheimer@rice-ecs.com		email results		REMARKS:	
Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:					

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



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

March 19, 2013

BRUCE BAKER

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

112 W. TAYLOR

HOBBS, NM 88240

RE: EAST HOBBS SAN ANDRES UNIT #515 UNIT R

Enclosed are the results of analyses for samples received by the laboratory on 03/14/13 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: 03/14/2013
 Reported: 03/19/2013
 Project Name: EAST HOBBS SAN ANDRES UNIT #515 U
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 03/13/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 5 PT. BTM COMP @ 6" (H300634-01)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/15/2013	ND	448	112	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	<10.0	10.0	03/15/2013	ND	192	96.2	200	0.686	
DRO >C10-C28	<10.0	10.0	03/15/2013	ND	192	95.9	200	0.902	


Surrogate: 1-Chlorooctane 81.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.9 % 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

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Celey D. Keene, Lab Director/Quality Manager

[illegible]

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Relinquished By: <i>[Signature]</i>		Date: 3-14-13	Time: 3:30AM	Received By: <i>[Signature]</i>	Date: 3-14-13	Time: 8:30	Delivered By: (Circle One) <i>[Signature]</i>	Sampler - UPS - Bus - Other:
Relinquished By: <i>[Signature]</i>		Date: 3-14-13	Time: 3:30AM	Received By: <i>[Signature]</i>	Date: 3-14-13	Time: 8:30	Delivered By: (Circle One) <i>[Signature]</i>	Sampler - UPS - Bus - Other:
Relinquished By: <i>[Signature]</i>		Date: 3-14-13	Time: 3:30AM	Received By: <i>[Signature]</i>	Date: 3-14-13	Time: 8:30	Delivered By: (Circle One) <i>[Signature]</i>	Sampler - UPS - Bus - Other:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

ADD'l Phone #:

ADD'l Fax #:

REMARKS:

Bruce; Hack; Lara

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Linn East Hobbs San Andreas Unit #515, Unit K

Unit Letter K, Section 29, T18S, R39E



Initial release area, facing south

2/20/13



Initial release area, facing southwest

2/20/13



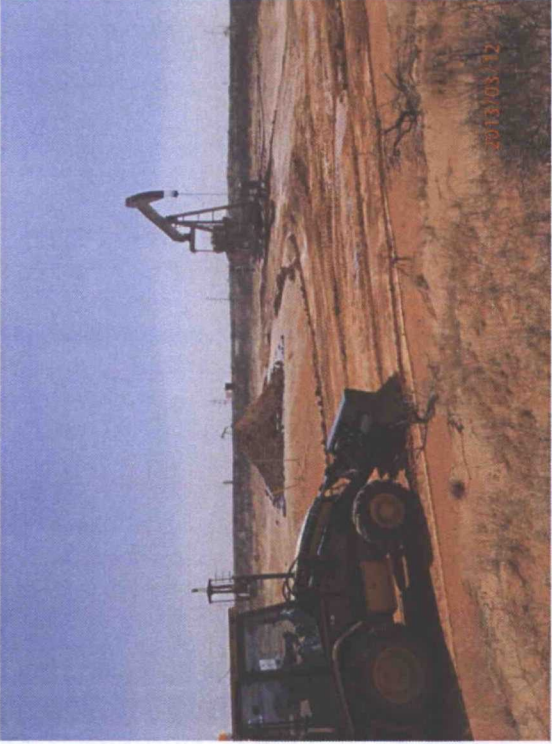
Initial release photo, facing west

2/20/13



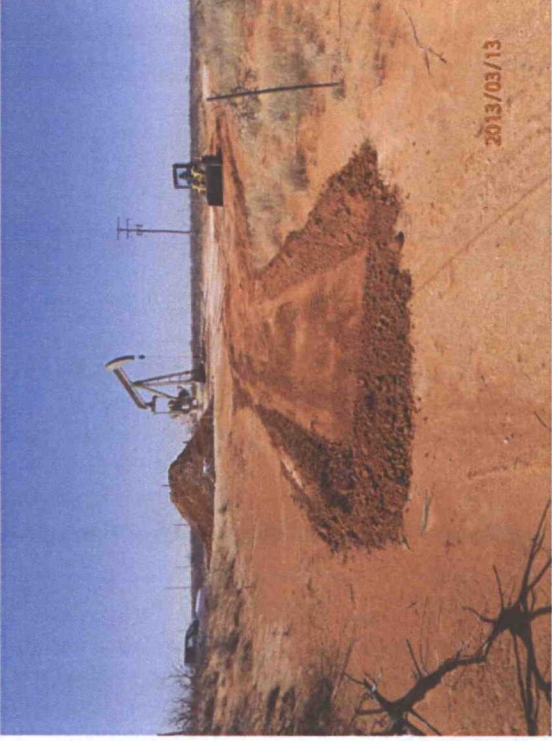
Initial release area, facing east

2/20/13



Excavating, facing southwest

3/12/13



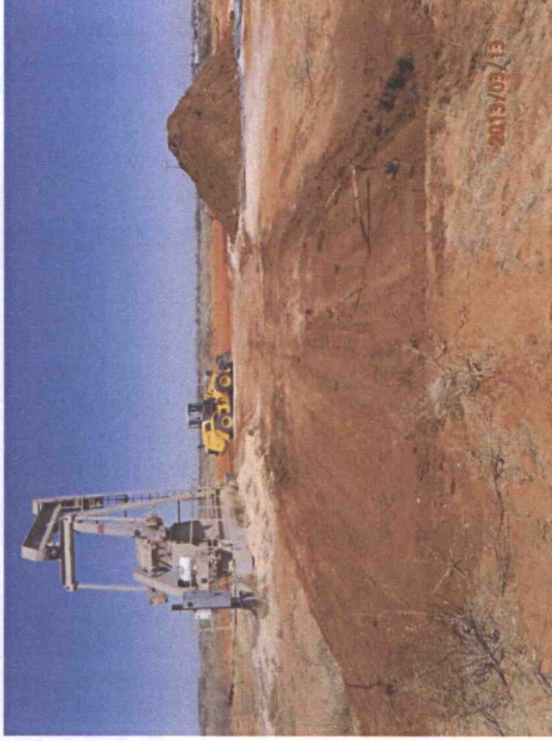
Excavating, facing southwest

3/13/13



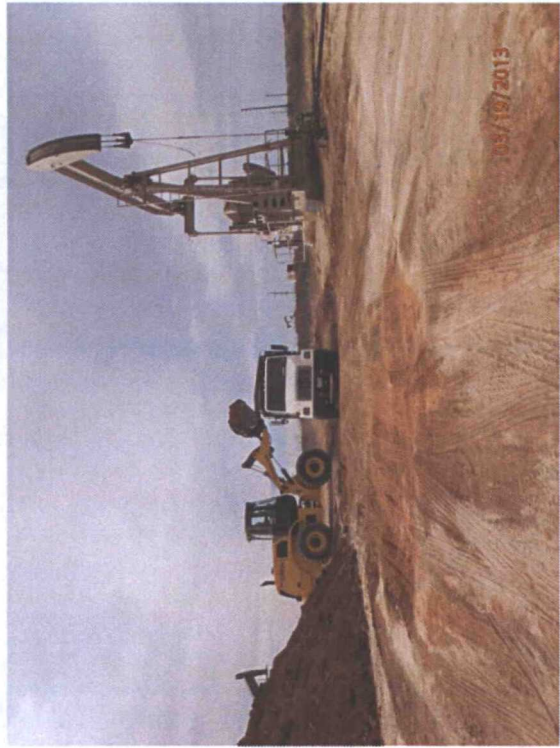
Excavating, facing southeast

3/13/13



Excavating, facing north

3/13/13



Exporting soil, facing south

3/19/13



Importing soil, facing northwest

4/5/13



Backfilling site, facing east

4/5/13



Backfill completed, facing south

4/5/13