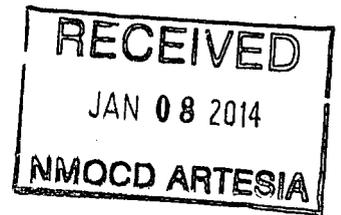


LINN ENERGY

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



H.E. West B #85
2RP-1865

Termination Request

API No. 3001528387

Release Date: August 18th, 2013

Unit Letter K, Section 3, Township 17S, Range 31E

Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241

Phone 575.393.2967

January 8th, 2014

Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources

Oil Conservation Division, Environmental Bureau – District 2

811 S. First St.

Artesia, NM 88210

RE: Termination Request

Linn Energy – H.E. West B #85 (2RP-1865)

UL/K sec. 3 T17S R31E

API No. 3001528387

Mr. Bratcher:

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

Background and Previous Work

The site is located approximately 5.6 miles west of Maljamar, New Mexico at UL/K sec. 3 T17S R31E. This site is located in an area of no known groundwater.

On August 18th, 2013, Linn discovered a pin-hole release in a flow line from the West B #85 and the West B #56. The wells were shut in and the line repaired. A total of 5 gallons of oil was sprayed over 7,402 sq ft. BLM was notified of the release on August 19th, 2013 and an initial C-141 was approved by NMOCD on August 26th, 2013 (Appendix A).

RECS personnel were on site beginning on August 21st, 2013 to assess the site (Figure 1). Samples from the surface and at depth were taken from five points throughout the release and representative samples from three of the points were taken to a commercial laboratory for analysis (Appendix B). Laboratory chloride levels dropped to below regulatory standards by 1 ft bgs at Pt. 1, by 6 inches at Pt. 2 and by 1.5 ft at Pt. 3. Gasoline Range Organics (GRO) and BTEX were non-detect at all points and all depths. Diesel Range Organics (DRO) were present at all points at the surface but dropped to non-detect at all depths below the surface.

A Corrective Action Plan (CAP) was submitted to BLM to NMOCD on September 20th, 2013 and was approved by BLM on September 23rd, 2013 and by NMOCD on October 10th, 2013. RECS recommended that the site be scraped to a depth of 6 inches and the excavated soil be disposed of at a NMOCD approved facility. A bottom composite would be taken after the scrape to confirm the bottom of the excavation has a chloride value below 1,000 mg/kg. Clean soil would be imported to the site to backfill and contour the site to the surrounding location. The site would be seeded with a blend of

native vegetation. Vegetation provides an infiltration barrier for the site, since plants capture water through their roots thereby reducing the amount of water traveling through the vadose zone to groundwater.

On September 23rd, 2013, BLM suggested that if RECS scraped only 6 inches, the soil remaining on site could be blended and countered to use as backfill, rather than importing soil.

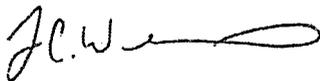
CAP activities began on October 29th, 2013. The release was scraped to a depth of 6 inches bgs and a total of 68 yards of soil was taken to a NMOCD approved facility for disposal. At the base of the scrape a 5 point bottom composite was obtained and sent to a commercial laboratory for analysis (Figure 2). The 5 point bottom composite returned a chloride result of 124 mg/kg GRO and DRO results of non-detect and a BTEX result of 0.483 mg/kg (Appendix C). A total of 24 yards of caliche was imported to the site to backfill the lease road. A sample of the caliche was taken to a commercial laboratory and returned a chloride result of non-detect (Appendix C). On November 4th, 2013, BLM and NMOCD approved the final laboratory sampling and allowed the site to be backfilled. The pasture area was contoured with the remaining soil on site and the lease road was backfilled with the imported caliche. On November 14th, 2013, soil amendments were added to the pasture area and the site was seeded with LPC mix.

Photo documentation of these activities can in found in Appendix D.

Given that the CAP activities have been completed as approved by BLM and NMOCD, Linn respectfully request 'remediation termination' and site closure. The final C-141 can be found in Appendix E.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

- Figure 1 – Initial Sampling Data
- Figure 2 – Final Sampling Data
- Appendix A – Initial C-141
- Appendix B – Initial Sampling Lab
- Appendix C – CAP Sampling Labs
- Appendix D – Photo Documentation
- Appendix E – Final C-141

Figures

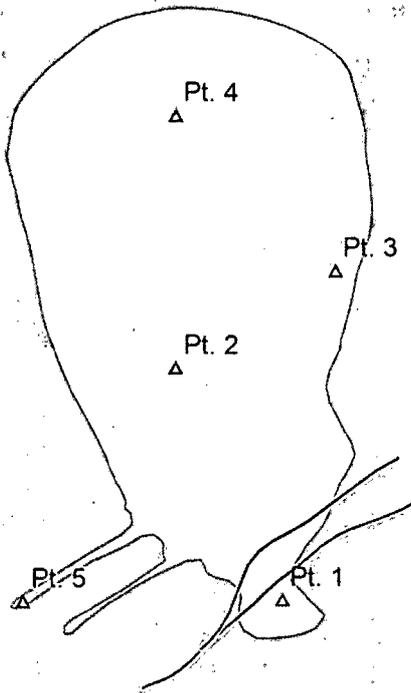
RICE Environmental Consulting and Safety (RECS)

P.O. Box 2948, Hobbs, NM 88241

Phone 575.393.2967

Initial Sampling Data

Point 1	Cl-	PID	GRO	DRO	B	T	E	X	BTEX
SS	6480	19.1	<10	594	<0.05	<0.05	<0.05	<0.15	<0.3
6"	544	60.2	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1'	128	16.5	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3



Point 2	Cl-	PID	GRO	DRO	B	T	E	X	BTEX
SS	2240	2.6	<10	160	<0.05	<0.05	<0.05	<0.15	<0.3
6"	160	3.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
1'	80	10.3	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Point 4	Cl-	PID
SS	339	7.2
6"	144	2.5

Point 3	Cl-	PID	GRO	DRO	B	T	E	X	BTEX
SS	1800	1.1	<10	257	<0.05	<0.05	<0.05	<0.15	<0.3
6"	195	2.6							
1'	1071	2.5							
1.5'	48	7.8	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3
2'	16	3.6	<10	<10	<0.05	<0.05	<0.05	<0.15	<0.3

Point 5	Cl-	PID
SS	2497	18
6"	328	5.8
1'	168	8.7

Legend

- △ SAMPLE POINTS
- SURFACE PIPELINE
- STAIN (7402 SQ FT)
- CI- FIELD DATA
- CI- LAB DATA

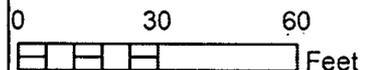
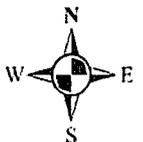
Landowner = BLM

DGW = None



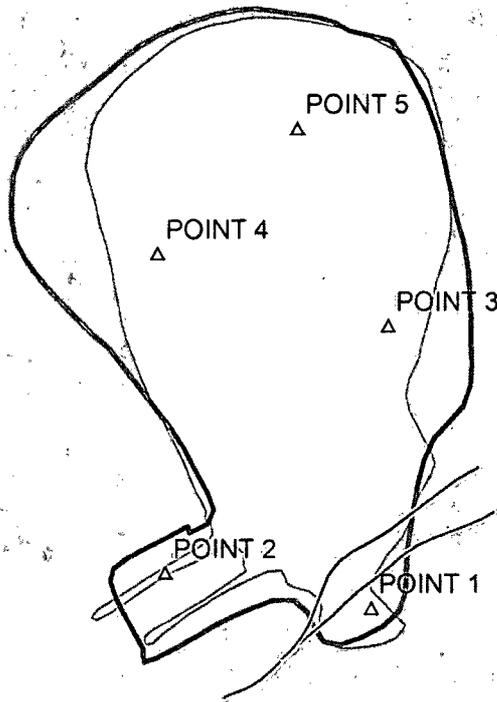
LINN H.E. WEST
B #85
(2RP-1865)
 LEGALS: UL/K SEC. 03
 T17S - R31E
 EDDY COUNTY, NM

Figure 1



GPS date: 9/10/13 KS
 Drawing date: 9/17/13
 Drafted by: L. Weineimer

Final Sampling Data



Sample Description	CI-	PID	GRO	DRO	B	T	E	X	BTEX
5 Point Bottom Composite	124	1.9	<10	<10	<0.05	0.123	0.059	0.301	0.483

Legend

- ▲ FINAL SAMPLE POINTS
- SURFACE PIPELINE
- 6 INCH SCRAPE
- STAIN (7402 SQ-FT)

CI- FIELD DATA
CI- LAB DATA

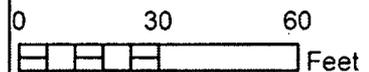
Landowner = BLM

DGW = None



LINN H.E. WEST
B #85
(2RP-1865)
 LEGALS: UL/K SEC. 03
 T17S - R31E
 EDDY COUNTY, NM

Figure 2



GPS date: 10/31/13 KS
 Drawing date: 11/1/13
 Drafted by: L. Weineimer

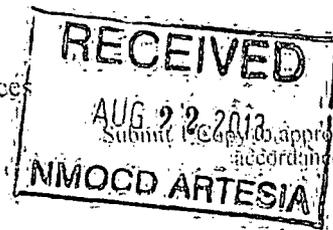
Appendix A

Initial C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Bravos 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 to appropriate District Office in accordance with 19.15.29 NMAC

Release Notification and Corrective Action

NJMW 1323840505 OPERATOR Initial Report Final Report

Name of Company/ Line Operating: 269324	Contact: Brian Wall
Address: 2130 W. Bender Hobbs, NM 88240.	Telephone No.: 575-738-1739.
Facility Name: H.E. West B.# 85	Facility Type: Oil Producer.
Surface Owner: Federal	Mineral Owner:
API No: 3001528387.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	03	17S	31E	2614	South	2621	West	Eddy

Latitude: 32.86357 Longitude: -103.85696

NATURE OF RELEASE

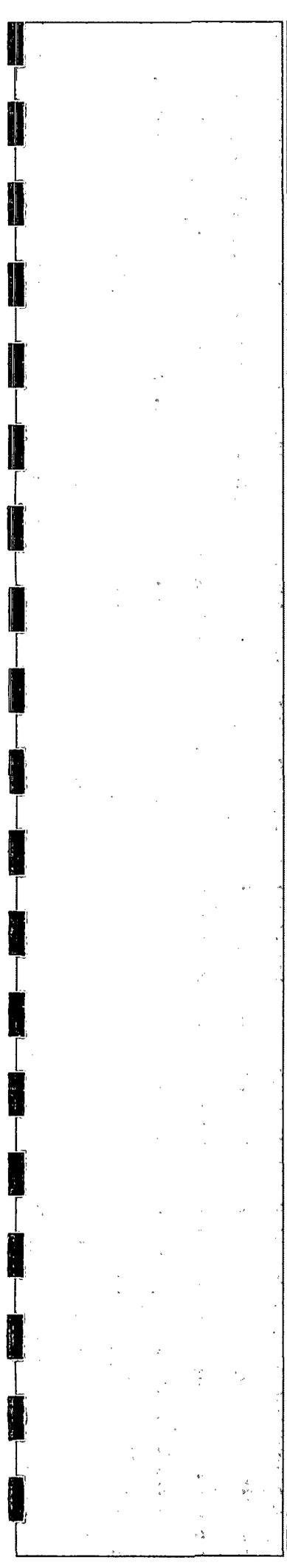
Type of Release: Oil	Volume of Release: 5 gal.	Volume Recovered: 0
Source of Release: Poly Pipeline	Date and Hour of Occurrence: 08/18/2013 8:30am	Date and Hour of Discovery: 08/18/2013 8:30am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Burton - BLM	
By Whom? Brian Wall	Date and Hour: 08/19/2013 2:00pm	
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: 150' from well head on road leading into location a pit hole in the flowline developed. It shut in WB#85 and WB#56 wells share the same flow lines until repairs could be made. Possible line fatigue.		
Describe Area Affected and Cleanup Action Taken: Leak had sprayed fluid and covered an area approximately 25' X 75'		

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 "Initial Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that poses 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>[Signature]</i>	OIL CONSERVATION DIVISION	
Printed Name: Brian Wall	Approved by District Supervisor:	Signed By: <i>[Signature]</i>
Title: Construction Foreman II	Approval Date: AUG 26 2013	Expiration Date:
E-mail Address: bwall@linenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 08/20/2013 Phone: 806-367-0645	Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:	

September 26, 2013

2 RP-1865



Appendix B

Initial Sampling Lab

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

September 16, 2013

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: H. E. WEST B #85

Enclosed are the results of analyses for samples received by the laboratory on 09/11/13 8:35.

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/ga/lab_accred_certif.html.

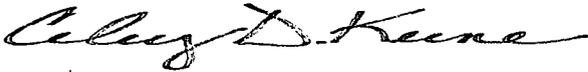
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SURFACE (H302194-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	192	95.9	200	0.724		
DRO >C10-C28	594	10.0	09/12/2013	ND	180	90.0	200	1.81		

Surrogate: 1-Chlorooctane 86.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ 6" (H302194-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	192	95.9	200	0.724		
DRO >C10-C28	<10.0	10.0	09/12/2013	ND	180	90.0	200	1.81		

Surrogate: 1-Chlorooctane 72.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.4 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 09/11/2013
 Reported: 09/16/2013
 Project Name: H. E. WEST B #85
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 1' (H302194-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	192	95.9	200	0.724		
DRO >C10-C28	<10.0	10.0	09/12/2013	ND	180	90.0	200	1.81		

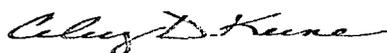
Surrogate: 1-Chlorooctane 83.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ SURFACE (H302194-04)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	192	95.9	200	0.724		
DRO >C10-C28	160	10.0	09/12/2013	ND	180	90.0	200	1.81		

Surrogate: 1-Chlorooctane 96.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ 6" (H302194-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	192	95.9	200	0.724		
DRO >C10-C28	<10.0	10.0	09/12/2013	ND	180	90.0	200	1.81		

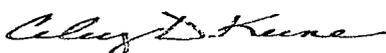
Surrogate: 1-Chlorooctane 77.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.1 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 09/11/2013
 Reported: 09/16/2013
 Project Name: H. E. WEST B #85
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 1' (H302194-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/12/2013	ND	198	98.9	200	0.838		

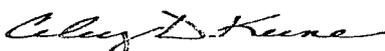
Surrogate: 1-Chlorooctane 74.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ SURFACE (H302194-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/12/2013	ND	202	101	200	1.28		
DRO >C10-C28	257	10.0	09/12/2013	ND	198	98.9	200	0.838		

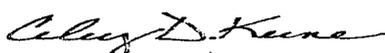
Surrogate: 1-Chlorooctane 65.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.4 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2013	Sampling Date:	09/10/2013
Reported:	09/16/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ 1.5' (H302194-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41		
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30		
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78		
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82		
Total BTEX	<0.300	0.300	09/12/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/12/2013	ND	416	104	400	3.92		

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	09/13/2013	ND	202	101	200	1.28		
DRO >C10-C28	<10.0	10.0	09/13/2013	ND	198	98.9	200	0.838		

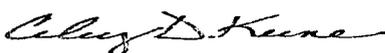
Surrogate: 1-Chlorooctane 77.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.3 % 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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

 Received: 09/11/2013
 Reported: 09/16/2013
 Project Name: H. E. WEST B #85
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 09/10/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 2' (H302194-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/12/2013	ND	2.21	110	2.00	3.41	
Toluene*	<0.050	0.050	09/12/2013	ND	2.24	112	2.00	3.30	
Ethylbenzene*	<0.050	0.050	09/12/2013	ND	2.27	114	2.00	3.78	
Total Xylenes*	<0.150	0.150	09/12/2013	ND	6.83	114	6.00	3.82	
Total BTEX	<0.300	0.300	09/12/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/12/2013	ND	416	104	400	3.92	

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	09/12/2013	ND	202	101	200	1.28	
DRO >C10-C28	<10.0	10.0	09/12/2013	ND	198	98.9	200	0.838	

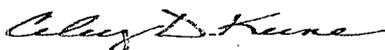
Surrogate: 1-Chlorooctane 70.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.0 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

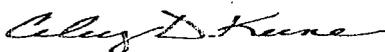
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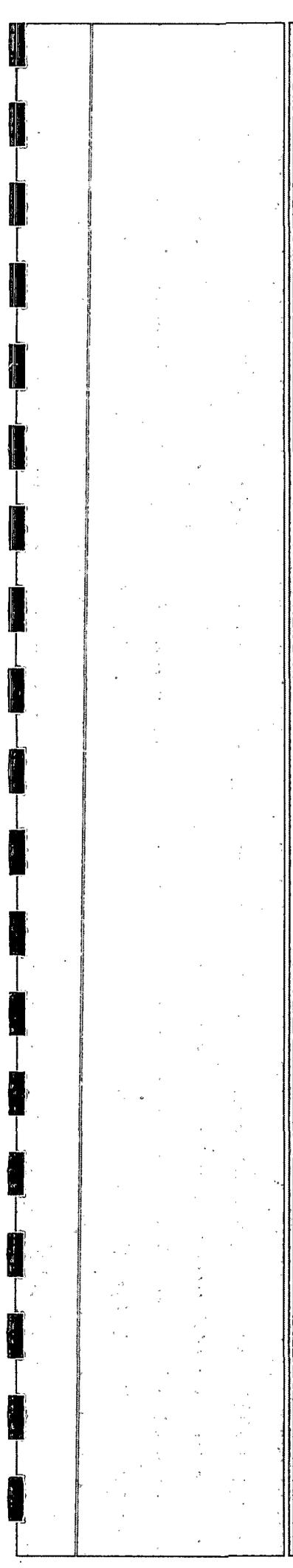
Celey D. Keene, Lab Director/Quality Manager

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



Celey D. Keene, Lab Director/Quality Manager



Appendix C

CAP Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

November 01, 2013

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: H. E. WEST B #85

Enclosed are the results of analyses for samples received by the laboratory on 10/31/13 16:30.

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.

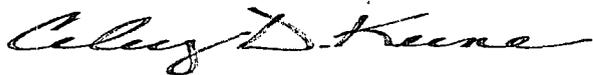
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	10/31/2013	Sampling Date:	10/31/2013
Reported:	11/01/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 5 POINT COMP (H302666-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/01/2013	ND	2.06	103	2.00	0.153		
Toluene*	0.123	0.050	11/01/2013	ND	2.05	103	2.00	0.309		
Ethylbenzene*	0.059	0.050	11/01/2013	ND	2.07	104	2.00	0.301		
Total Xylenes*	0.301	0.150	11/01/2013	ND	5.96	99.4	6.00	0.106		
Total BTEX	0.483	0.300	11/01/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/01/2013	ND	400	100	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	11/01/2013	ND	175	87.6	200	8.35		
DRO >C10-C28	<10.0	10.0	11/01/2013	ND	165	82.6	200	10.0		

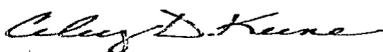
Surrogate: 1-Chlorooctane 87.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.1 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

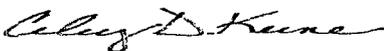
Notes and Definitions

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

November 11, 2013

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: H. E. WEST B #85

Enclosed are the results of analyses for samples received by the laboratory on 11/07/13 16:23.

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/ga/lab_accred_certif.html.

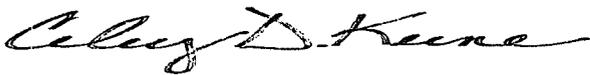
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	11/07/2013	Sampling Date:	11/06/2013
Reported:	11/11/2013	Sampling Type:	Soil
Project Name:	H. E. WEST B #85	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: IMPORTED CALICHE (H302725-01)

Chloride, SM4500Cl-B

mg/kg

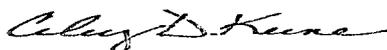
Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/08/2013	ND	416	104	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

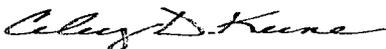
Notes and Definitions

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.



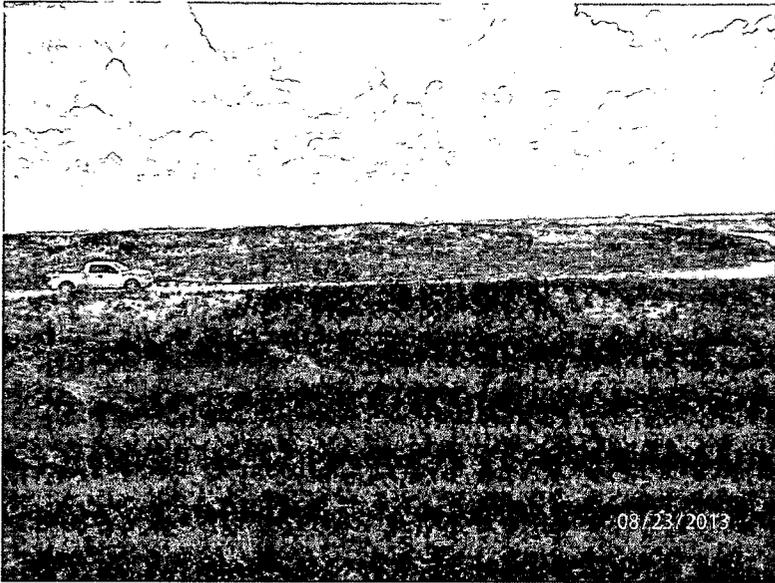
Celey D. Keene, Lab Director/Quality Manager

Appendix D

Photo Documentation

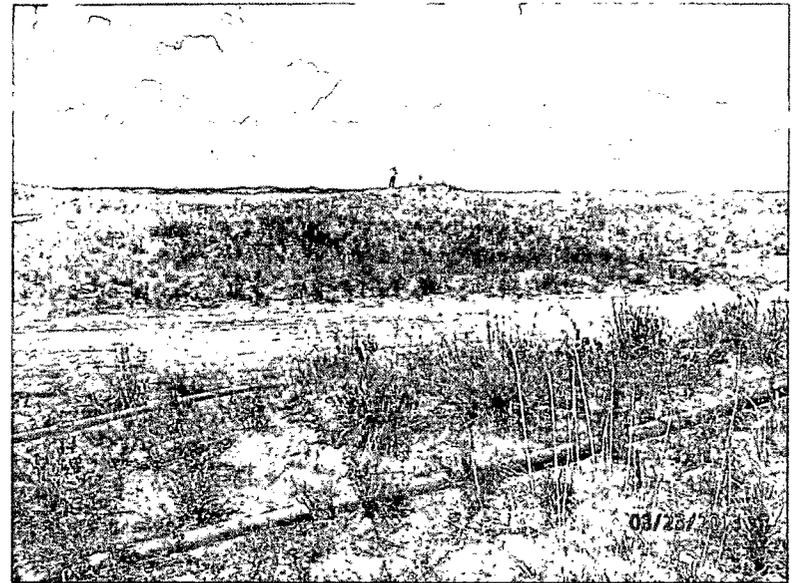
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Linn H.E. West B #85
Unit Letter K, Section 3, T17S, R31E



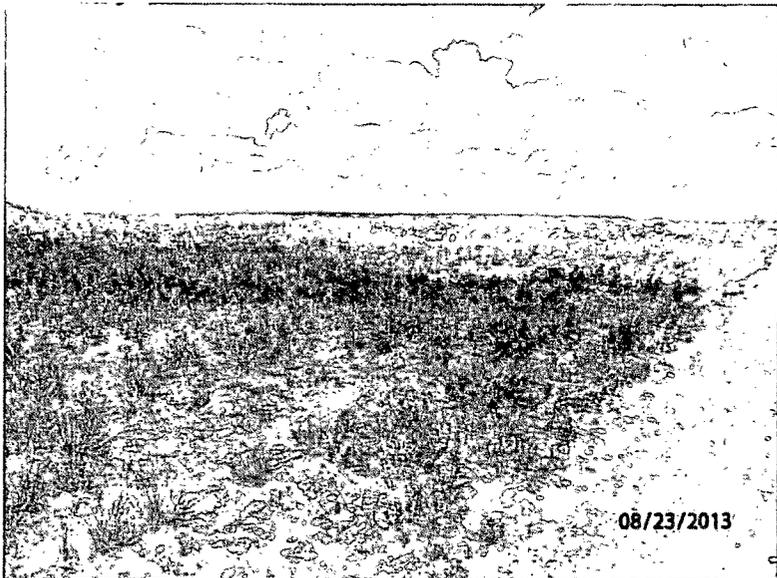
Initial release area, facing south

8/23/13



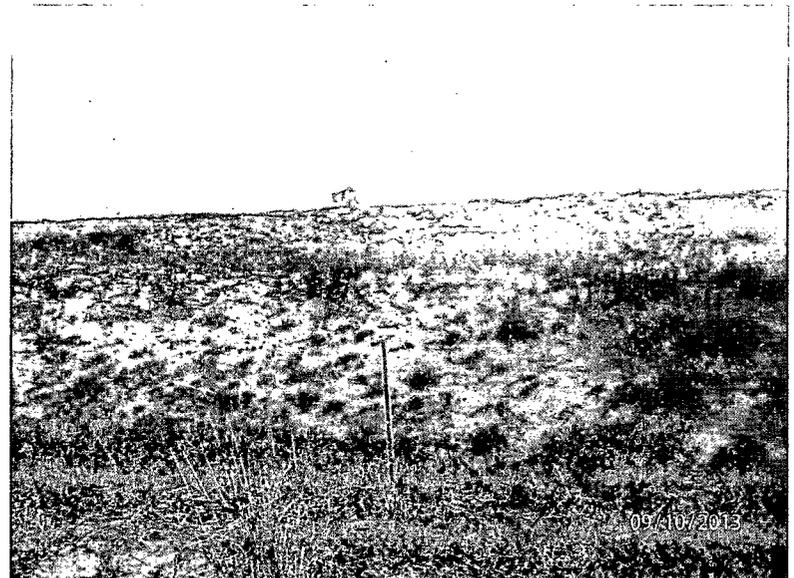
Initial release area, facing north

8/23/13



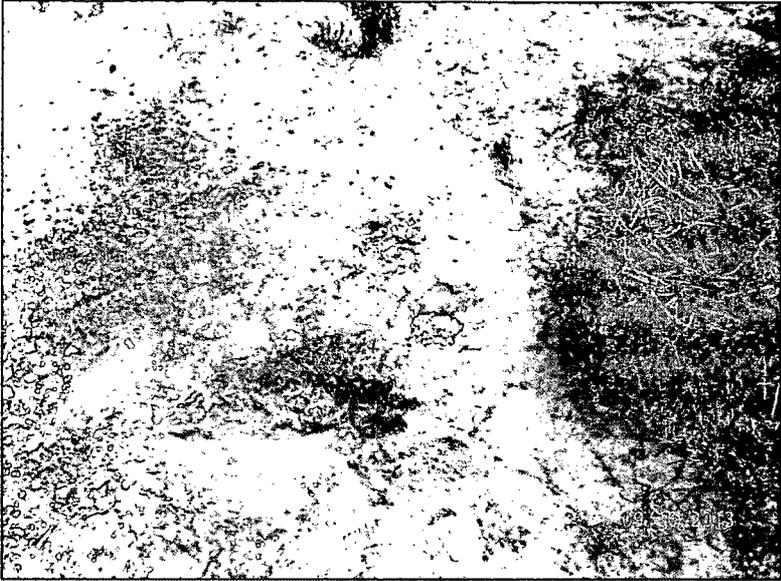
Initial release area, facing northeast

8/23/13

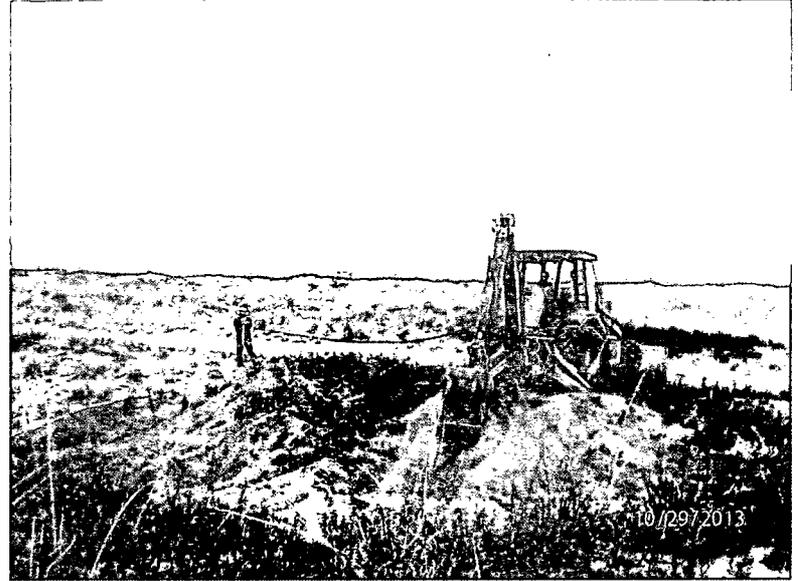


Auguring for depth, facing southeast

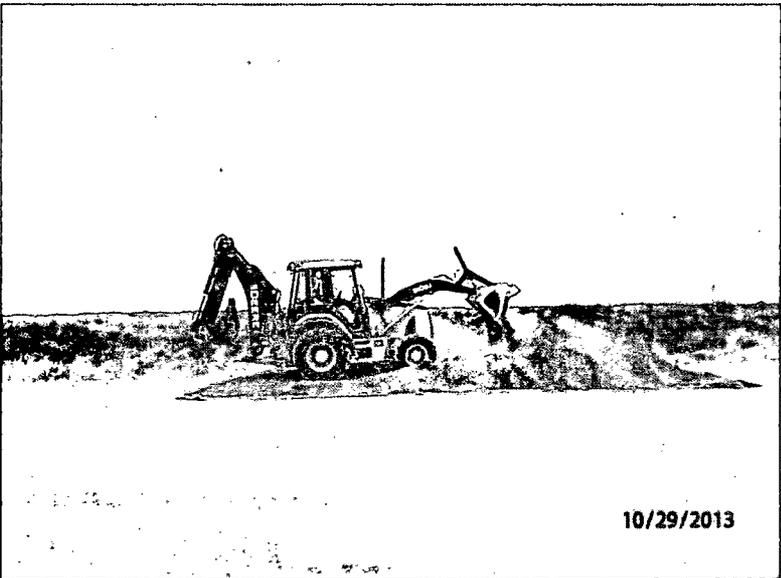
9/10/13



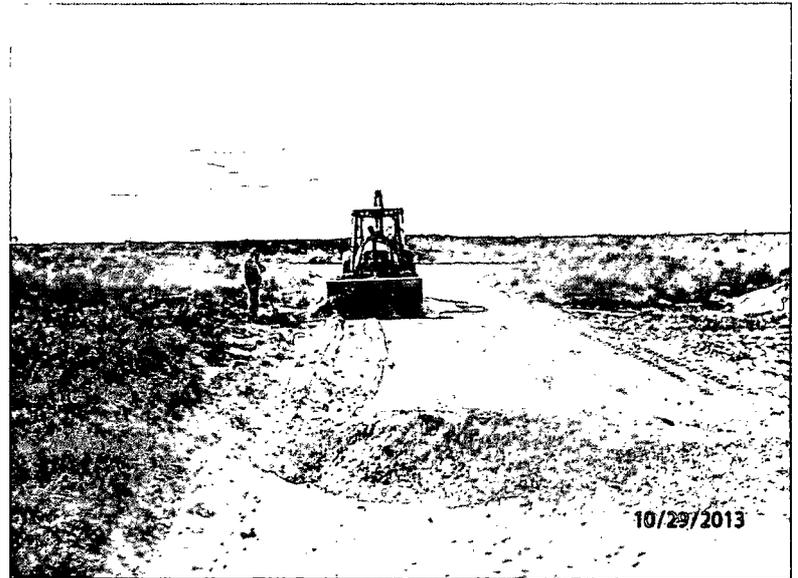
Plugging augur point in total with bentonite, facing east
9/10/13



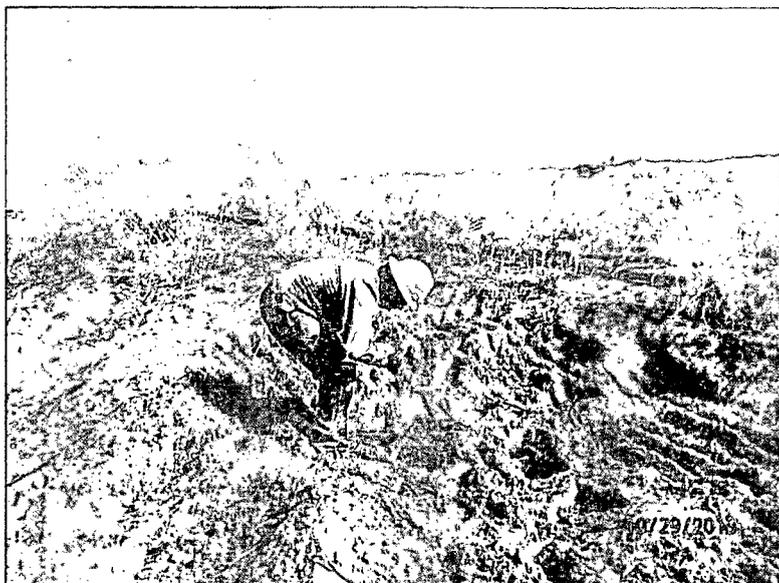
Excavating release area, facing southeast 10/29/13



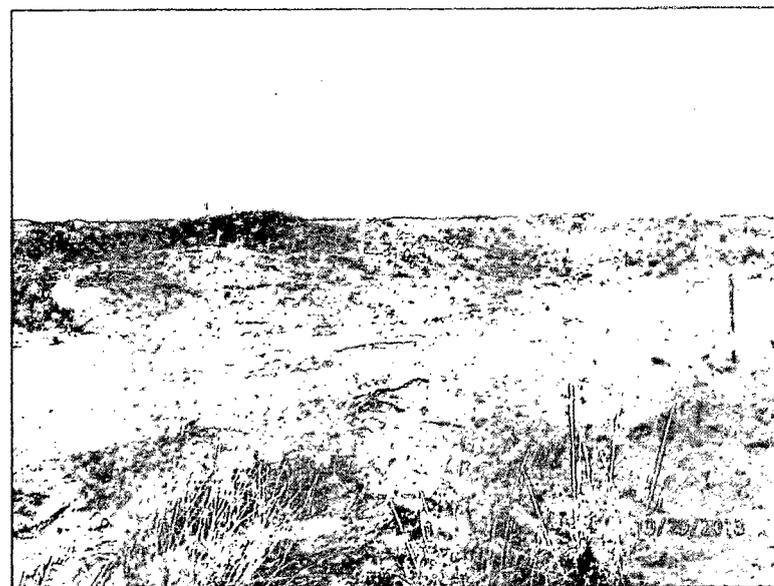
Building spoil pile, facing north 10/29/13



Excavating release, facing west 10/29/13



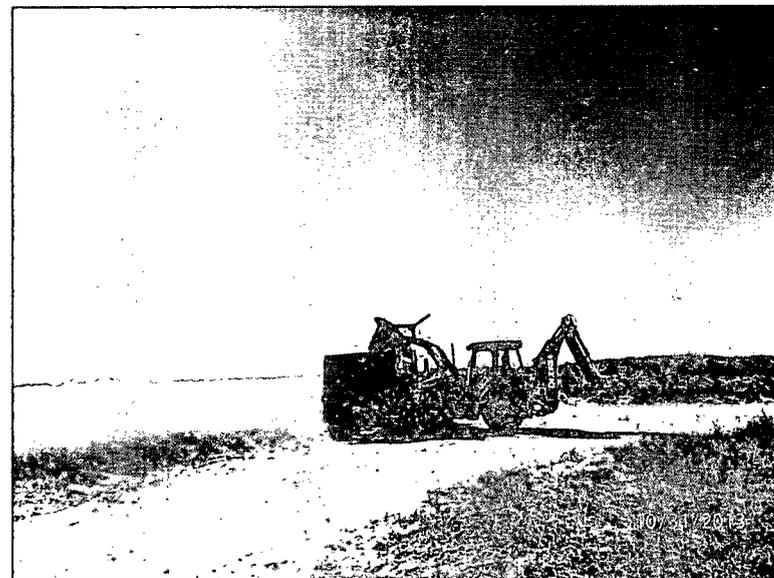
Collecting sample, facing southeast 10/29/13



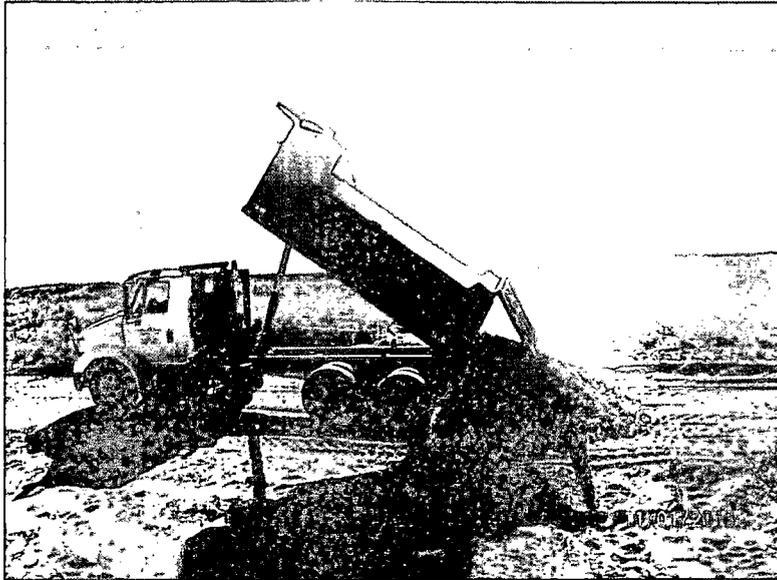
Scrape completed, facing northeast 10/29/13



Scrape completed, facing southeast 10/29/13

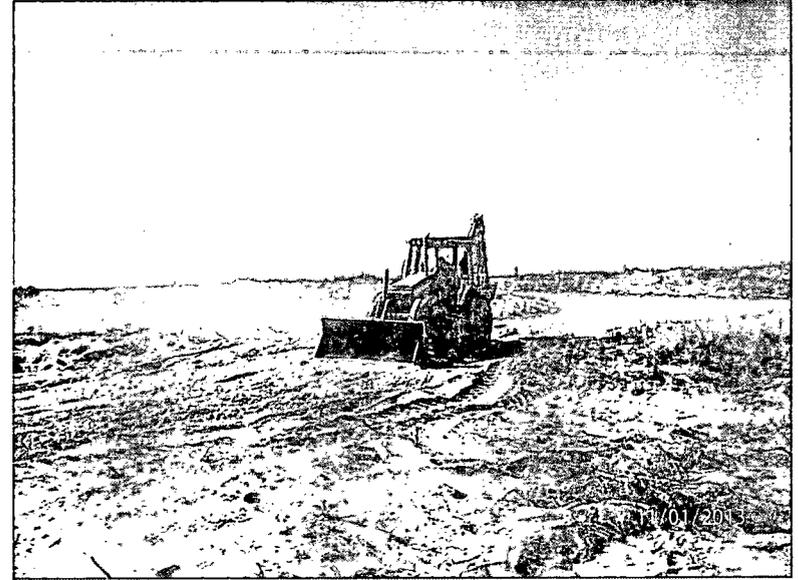


Exporting soil, facing west 10/31/13



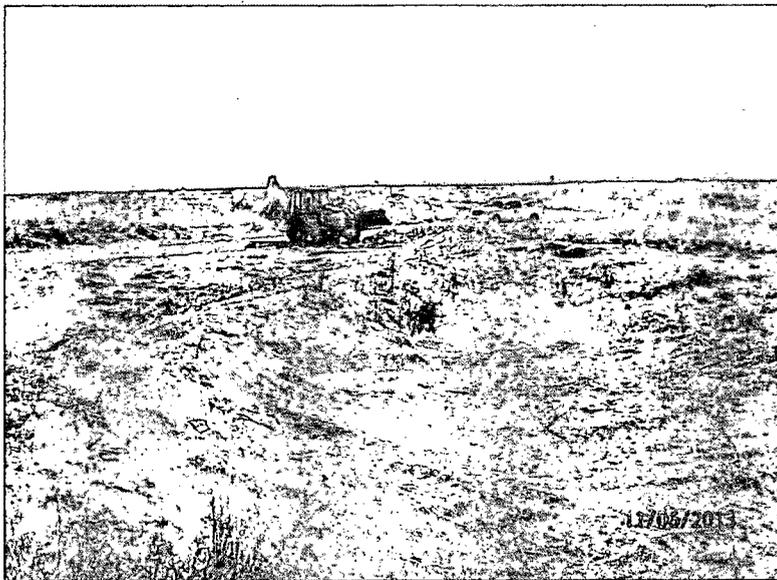
Importing caliche, facing south

11/1/13



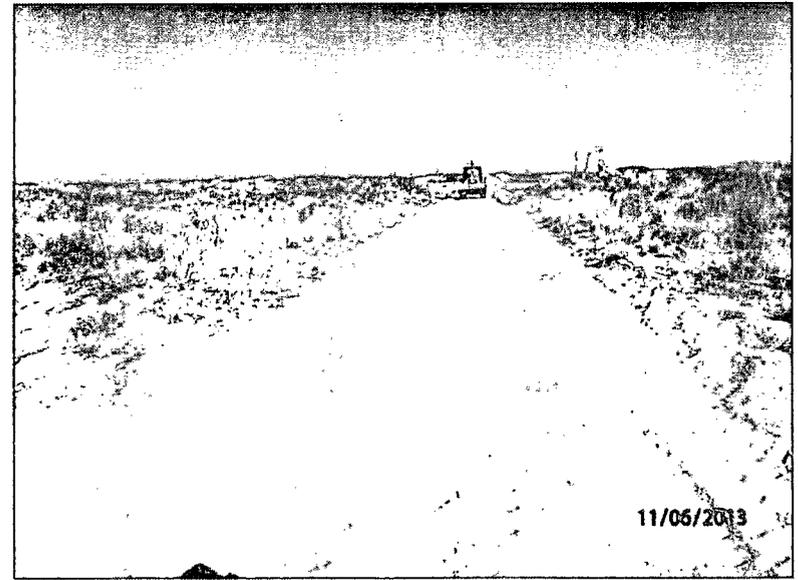
Backfilling road, facing southwest

11/1/13



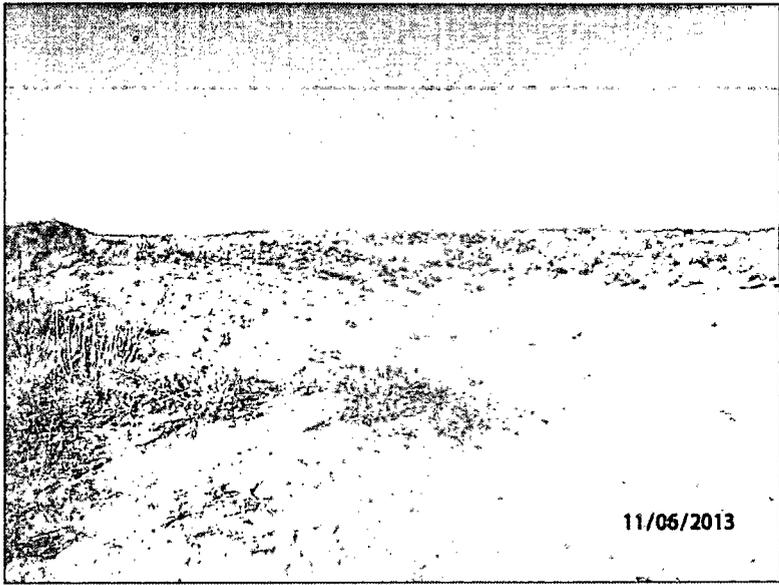
Contouring the pasture, facing southwest

11/6/13

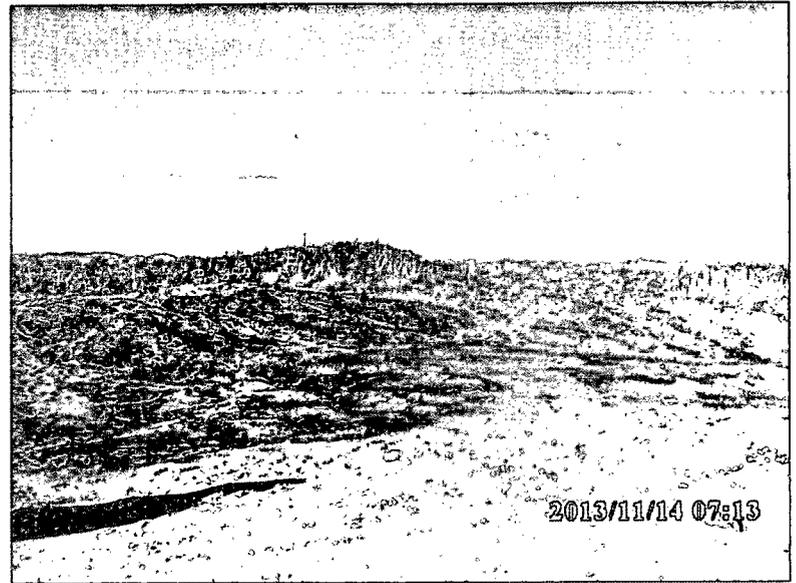


Backfilling of road completed, facing east

11/6/13



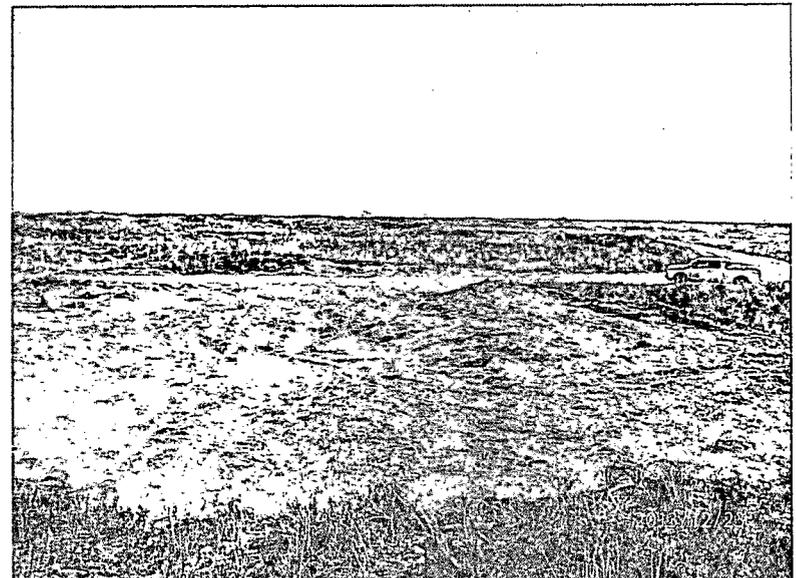
Backfilling of pasture completed, facing northeast
11/6/13



Soil amendments added, facing west
11/14/13



Seeding site, facing north
11/14/13



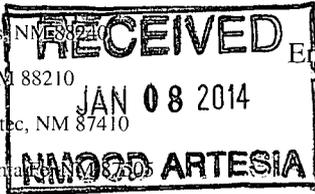
Site completed, facing south
12/23/13

Appendix E

Final C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

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 Operating	Contact Brian Wall	
Address 2130 W. Bender Blvd., Hobbs, NM 88240	Telephone No. (806) 367-0645	
Facility Name H.E. West B #85	Facility Type Oil Producer	
Surface Owner Federal	Mineral Owner	API No. 3001528387

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	3	17S	31E	2614	South	2621	West	Eddy

Latitude 32.86357 Longitude -103.85696

NATURE OF RELEASE

Type of Release Oil	Volume of Release 5 gal	Volume Recovered 0
Source of Release Poly Pipeline	Date and Hour of Occurrence 8/18/2013 8:30 am	Date and Hour of Discovery 8/18/2013 8:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Burton - BLM	
By Whom? Brian Wall	Date and Hour 8/19/2013 2:00 pm	
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.* 150' from the well head on the road leading into the location, a pin hole in the flow line developed. The WB #85 and WB #56 share the same flow lines and the wells were shut in until repairs could be made. Possible line fatigue.

Describe Area Affected and Cleanup Action Taken.* A total of 5 gallons of oil was sprayed over 7,402 sq ft. RECS personnel were on site beginning on August 21st, 2013 to assess the site. Samples from the surface and at depth were taken from five points throughout the release and representative samples from three of the points were taken to a commercial laboratory for analysis. Laboratory chloride levels dropped to below regulatory standards by 1 ft bgs at Pt. 1, by 6 inches at Pt. 2 and by 1.5 ft at Pt. 3. Gasoline Range Organics (GRO) and BTEX were non-detect at all points and all depths. Diesel Range Organics (DRO) were present at all points at the surface but dropped to non-detect at all depths below the surface. A Corrective Action Plan (CAP) was submitted to BLM to NMOCD on September 20th, 2013 and was approved by BLM on September 23rd, 2013 and by NMOCD on October 10th, 2013. On September 23rd, 2013, BLM suggested that if RECS scraped only 6 inches, the soil remaining on site could be blended and countered to use as backfill, rather than importing soil. CAP activities began on October 29th, 2013. The release was scraped to a depth of 6 inches bgs and a total of 68 yards of soil was taken to a NMOCD approved facility for disposal. At the base of the scrape a 5 point bottom composite was obtained and sent to a commercial laboratory for analysis. The 5 point bottom composite returned a chloride result of 124 mg/kg GRO and DRO results of non-detect and a BTEX result of 0.483 mg/kg. A total of 24 yards of caliche was imported to the site to backfill the lease road. A sample of the caliche was taken to a commercial laboratory and returned a chloride result of non-detect. On November 4th, 2013, BLM and NMOCD approved the final laboratory sampling and allowed the site to be backfilled. The pasture area was contoured with the remaining soil on site and the lease road was backfilled with the imported caliche. On November 14th, 2013, soil amendments were added to the pasture area and the site was seeded with LPC mix.

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: <u>Fred B Wall</u>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Brian Wall		Approved by Environmental Specialist:	
Title: Construction Foreman II	Approval Date:	Expiration Date:	
E-mail Address: Bwall@linenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 1-8-14	Phone: (806) 367-0645		

* Attach Additional Sheets If Necessary