

Electronic Correspondence

October 22, 2012

Mr. Mike Bratcher State of New Mexico Oil Conservation Division 811 S. 1st Street Artesia, NM 88210 mike.bratcher@state.nm.us

Re: Backfill Request

LINN Energy, HE West B 80 API No.: 30-015-28299

Legal: Unit L, Section 9, T17S, R31E, 1410 FSL & 193 FWL, Eddy Co., NM

GPS: N32.84524, W103.88110

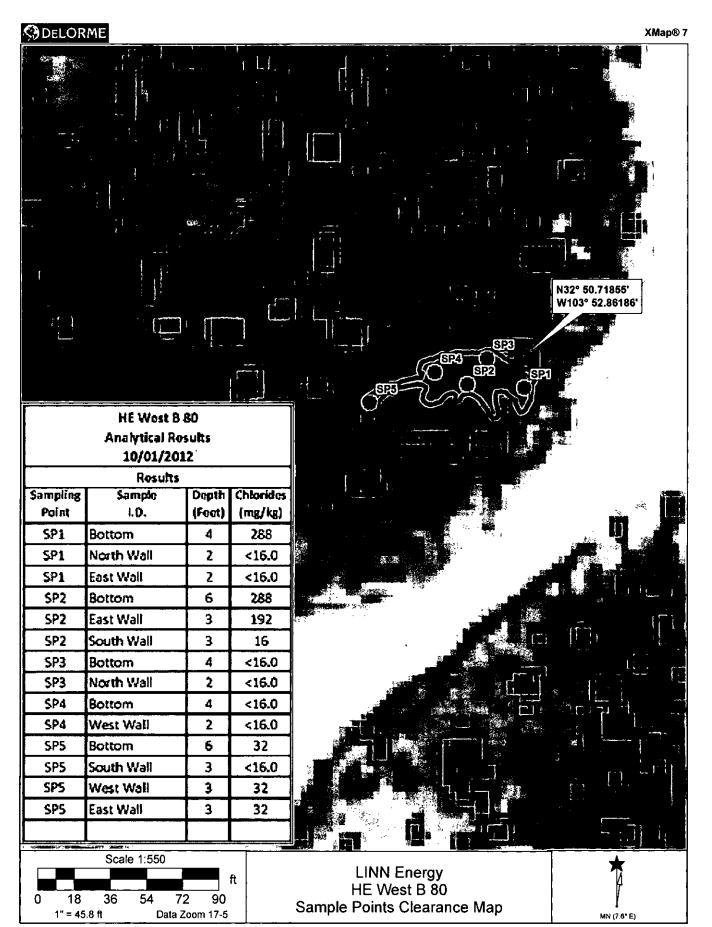
Dear Mike & Terry:

- Attached is the sample points map and analytical data for the clearance sampling of the HE West B 80.
- Grab samples were collected from each corresponding sampling site at depth then
 placed in certified clean jars, labeled, and custody seals applied. Nitrile gloves were
 used and changed during each sample collection, as well as proper decontamination
 procedures.
- 3. Samples were preserved according to the requirements ASATM/EPA requirements. Normal Chain of Custody procedures were observed.
- 4. LINN is requesting permission to backfill and close the site in accordance with the stipulations for the site.

Thank you for your assistance.

Kit Prichard

Project Manager - Etech Environmental & Safety Solutions, Inc.



Data use subject to license.



October 01, 2012

FRED HOLMES

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: H E WEST B #80

Enclosed are the results of analyses for samples received by the laboratory on 09/27/12 16:05.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey & Keens

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:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To:

(432) 563-2213

Received:

09/27/2012

Sampling Date:

09/27/2012

Reported:

10/01/2012

Sampling Type:

Soil

Project Name:

H E WEST B #80

Sampling Condition:

** (See Notes)

Project Number:

253-3563-000

Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: SP 1 BOTTOM 4' (H202358-01)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/01/2012	ND	416	104	400	3.92	

Sample ID: SP 1 N WALL 2' (H202358-02)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2012	ND	416	104	400	3.92	

Sample ID: SP 1 E WALL 2' (H202358-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2012	ND	416	104	400	3.92	

Sample ID: SP 2 BOTTOM 6' (H202358-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/01/2012	ND	416	104	400	3.92	

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 ac any other clause whatsoever shall be deemed warved 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 consequences

Celey & Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES
P. O. BOX 8469
MIDLAND TX, 79708

Fax To: (432) 563-2213

Received: Reported: 09/27/2012

10/01/2012

Project Name: Project Number: H E WEST B #80 253-3563-000

Project Location:

Analyte

Analyte

Analyte

Analyte

Analyte

NONE GIVEN

Sampling Date:

Dampling Date.

09/27/2012

Sampling Type: Soil

** (See Notes)

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: SP 2 E WALL 3' (H202358-05)

Chloride, SM4500CI-B

Chloride

Chloride

Chloride

Chloride

Chloride

mg/kg

192

Result

16.0

Result

<16.0

Result

<16.0

Result

<16.0

Analyzed By: AP

Result Reporting Limit

16.0

Analyzed 10/01/2012

Analyzed

10/01/2012

416

104

400

RPD 3.92

Qualifier

Sample ID: SP 2 S WALL 3' (H202358-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Method Blank

Method Blank

ND

BS 416

BS

% Recovery

104

104

% Recovery

True Value OC

400

400

True Value QC

3.92

RPD Qualifier

Sample ID: SP 3 BOTTOM 4' (H202358-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed

10/01/2012

Method Blank

ND

BS 416 % Recovery True Value QC

C RPD

Qualifier

Sample ID: SP 3 N WALL 2' (H202358-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AP

Analyzed 10/01/2012

Method Blank

BS 416 % Recovery 104

104

True Value QC 400 RPD 3.92

3.92

Qualifier

Qualifier

Sample ID: SP 4 BOTTOM 4' (H202358-09)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AP

Analyzed

10/01/2012

Method Blank ND BS 416 % Recovery Tr

True Value QC 400 RPD 3.92

3.72

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*=Accredited Analyte

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.

FRED HOLMES P. O. BOX 8469 MIDLAND TX, 79708

Fax To: (432) 563-2213

Received:

09/27/2012

Sampling Date:

09/27/2012

Reported:

Soil

10/01/2012

Sampling Type:

Project Name:

H E WEST B #80

Sampling Condition:

** (See Notes)

Project Number:

253-3563-000

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: SP 4 W WALL 2' (H202358-10)

Chlorida	SM4500CI-B

mg/kg

Analyzed By: AP

Analyte

Result

<16.0

Reporting Limit

Analyzed 10/01/2012

ND

416 104 True Value QC 400

RPD

Qualifier

Sample ID: SP 5 BOTTOM 6' (H202358-11)

Chloride, SM4500Cl-B

Reporting Limit

16.0

Analyzed By: AP

Method Blank

BS

3.92

Analyte

Analyte

Analyte

Analyzed

Method Blank

% Recovery

% Recovery

400

Chloride

Chloride

Result 32.0

16.0 10/01/2012

NΠ

BS 416

104

True Value OC

Oualifier

Sample ID: SP 5 S WALL 3' (H202358-12)

Chloride, SM4500CI-B

Analyzed By: AP

RPD

3.92

Chloride

Result <16.0

Method Blank

BS

True Value QC

RPD

Qualifier

Result

32.0

Result

32.0

16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 10/01/2012

ND

400

100

% Recovery

400

Chloride

Chloride

0.00

Sample ID: SP 5 W WALL 3' (H202358-13)

Chloride, SM4500CI-B

mg/kg

Analyzed

Analyzed By: AP Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

mg/kg

10/01/2012

ND

400

100

400

0.00

Sample ID: SP 5 E WALL 3' (H202358-14)

Chloride, SM4500Cl-B

Analyte

Analyzed By: AP Analyzed

10/01/2012

Method Blank

ND

BS

400

% Recovery

100

True Value QC

400

RPD

0.00

Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celey D. Kune Celey D. Keene, Lab Director/Quality Manager

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ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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Celey & Keine

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written	hanges. Please fax written changes to (575) 393-2326	Page 6 of 7

 \dagger Cardinal cannot accept verbal changes. Please fax writton changes to (575) 393-2326 \pm



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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