

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Wednesday, November 13, 2013 3:36 PM
To: Amy Ruth; 'Burton, Michael'
Cc: Brian Wall
Subject: RE: 2RP-915 excavation request

Amy,

OCD concurs with BLM approval. Please proceed.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Burton, Michael [<mailto:mburton@blm.gov>]
Sent: Wednesday, November 13, 2013 1:44 PM
To: Amy Ruth
Cc: Bratcher, Mike, EMNRD; Brian Wall
Subject: Re: 2RP-915 excavation request

Amy,
Your plan is approved. You will need like approval from the NMOCD. Because the area is so small and the depth is only 2' my suggestion is to slope the excavation 3' to 1' and leave it.
Thanks

Mike Burton
BLM-CFO
Environmental Protection Specialist
575-234-2226 office
575-361-3574 cell
mburton@blm.gov

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On Wed, Nov 13, 2013 at 10:11 AM, Amy Ruth <aruth@diversifiedfsi.com> wrote:

Hi Mike,

This is a small, old leak from a flow line buried at shallow depth in the pasture. eTECH had previously submitted a corrective action plan, excavated the line and hauled off some material. No samples were collected to confirm removal or depth of impact, and some impacted material remains on site. DFSI is continuing work on the site and has some initial data for you to review. We have included a site diagram with field and lab data, recent site photos, lab reports, and our groundwater search. For your information, a prior work plan has not been submitted from DFSI for this site.

Due to the small surface area impacted by this leak, DFSI has collected soil samples by hand auger from two sample points. The diagram shows a significant drop in chloride and TPH at 2 ft bgs. We are requesting permission to excavate the site to 2 ft. bgs, backfill with clean topsoil, and contour and reseed the site.

Please review and advise at your convenience.

Thank you!

Amy C. Ruth

Environmental Director

Diversified Field Services, Inc.

3412 N. Dal Paso

Hobbs, NM 88240

Office: (575)964-8394

Mobile: (575)390-5454

Fax: (575)964-8396

"Nothing will work unless you do." -Maya Angelou

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Bratcher, Mike, EMNRD

From: Amy Ruth <aruth@diversifiedfsi.com>
Sent: Wednesday, November 13, 2013 10:11 AM
To: Bratcher, Mike, EMNRD
Cc: Burton, Michael; Wall, Fred; Michael Patterson
Subject: 2RP-915 excavation request
Attachments: Linn Energy Turner B #11 - Site Diagram w Sample Data.pdf; Linn Energy Turner B #11 Photo Page.pdf; H302655 LINN.pdf; H302716 LINN.pdf; Linn Energy Turner B #11 TR Groundwater Search.pdf

Hi Mike,

This is a small, old leak from a flow line buried at shallow depth in the pasture. eTECH had previously submitted a corrective action plan, excavated the line and hauled off some material. No samples were collected to confirm removal or depth of impact, and some impacted material remains on site. DFSI is continuing work on the site and has some initial data for you to review. We have included a site diagram with field and lab data, recent site photos, lab reports, and our groundwater search. For your information, a prior work plan has not been submitted from DFSI for this site.

Due to the small surface area impacted by this leak, DFSI has collected soil samples by hand auger from two sample points. The diagram shows a significant drop in chloride and TPH at 2 ft bgs. We are requesting permission to excavate the site to 2 ft. bgs, backfill with clean topsoil, and contour and reseed the site.

Please review and advise at your convenience.

Thank you!

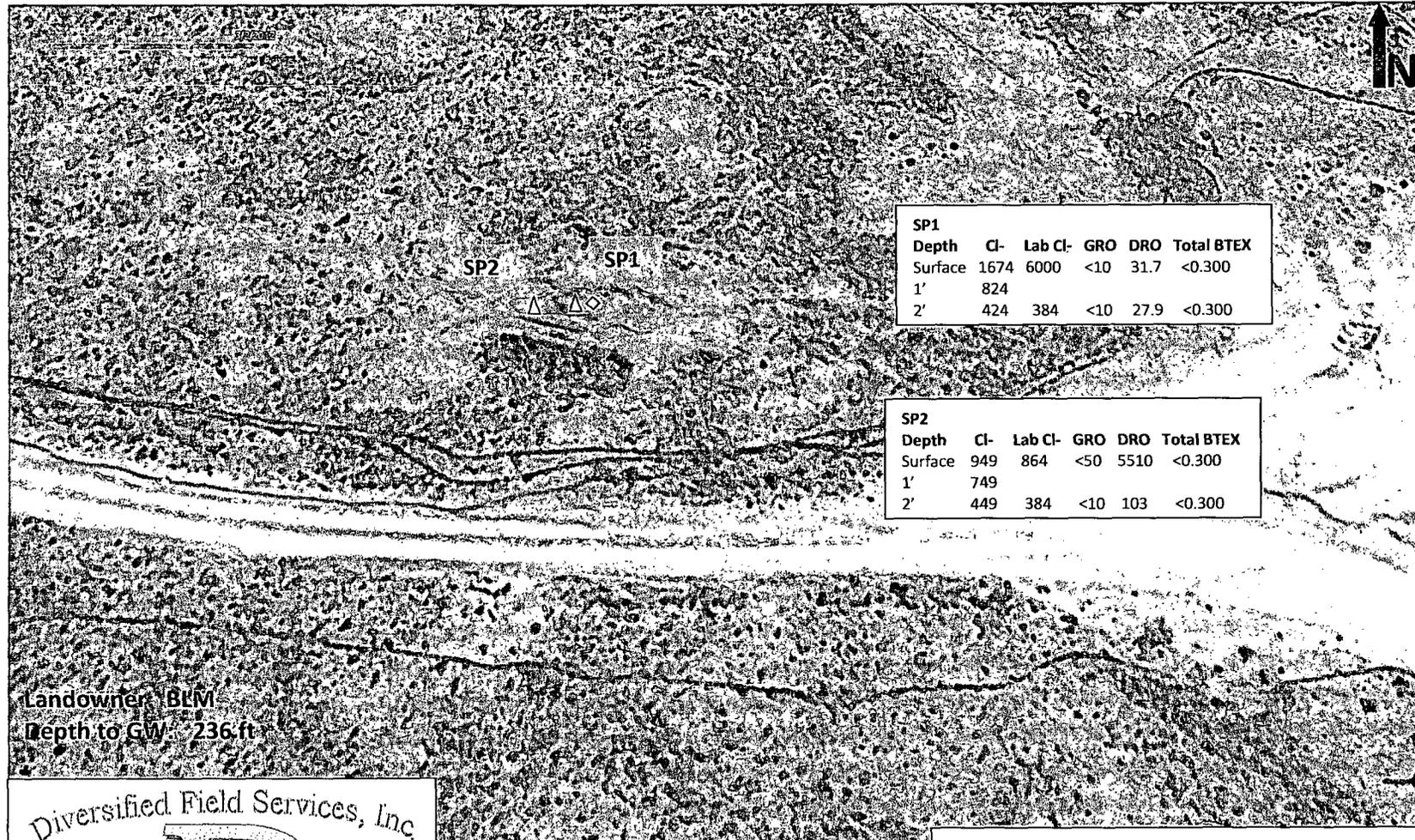
Amy C. Ruth

Environmental Director
Diversified Field Services, Inc.
3412 N. Dal Paso
Hobbs, NM 88240
Office: (575)964-8394
Mobile: (575)390-5454
Fax: (575)964-8396

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Site Diagram with Sample Data



SP1					
Depth	Cl-	Lab Cl-	GRO	DRO	Total BTEX
Surface	1674	6000	<10	31.7	<0.300
1'	824				
2'	424	384	<10	27.9	<0.300

SP2					
Depth	Cl-	Lab Cl-	GRO	DRO	Total BTEX
Surface	949	864	<50	5510	<0.300
1'	749				
2'	449	384	<10	103	<0.300

Landowner: BLM
 Depth to GW: 236 ft

Diversified Field Services, Inc.



C.C. & Co, LLC
 J & M Welding and Fabrication, Inc.
 Diversified Construction

Legend

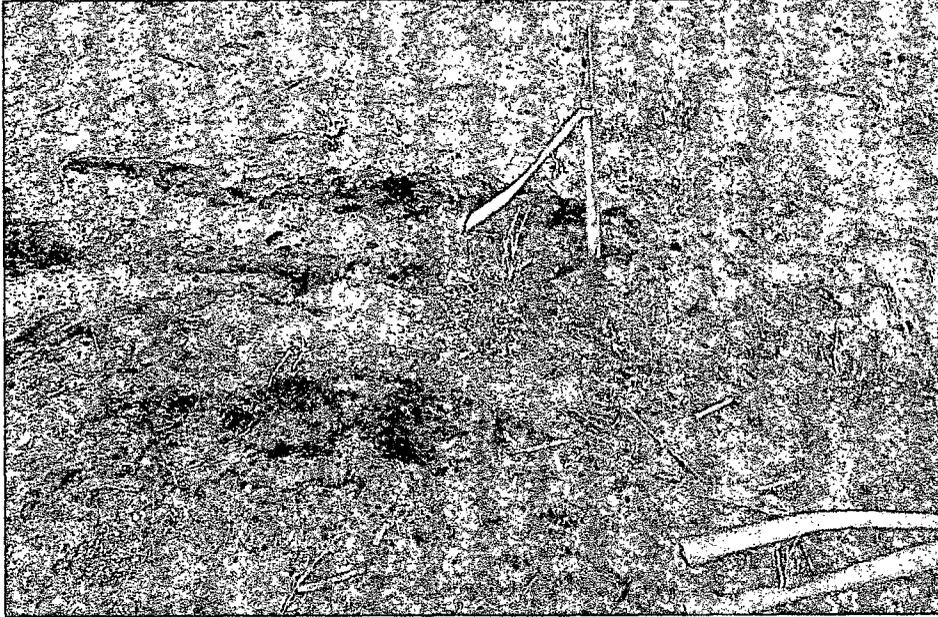
-  Stained Area (total 200 ft²)
-  Leak Source
-  Sample Point

Linn Energy Turner B #11

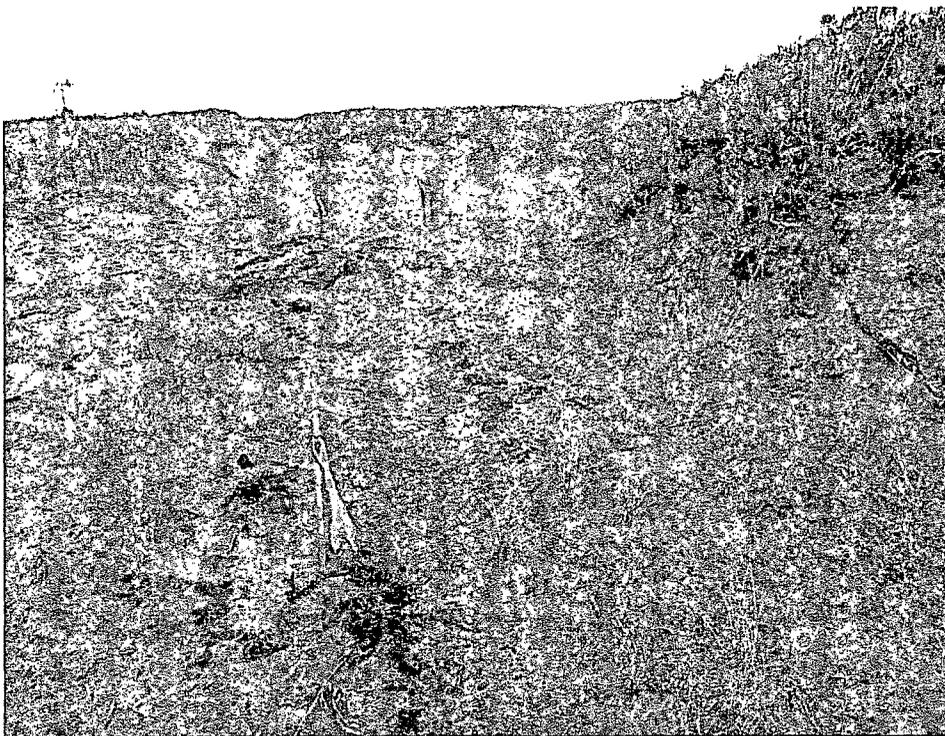
UL/H, Sec 20, T17S R31E
 Eddy County, NM
 Drafted By: A.C. Ruth, 11/12/13
 Not to Scale

Linn Energy Turner B North #11

Section 20, T17S R31E



Marker at sample point 1 indicating primary leak source 11/02/13



Markers at sample points 11/02/13

Analytical Results For:

 LINN OPERATING-HOBBS
 BRIAN WALL
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/31/2013	Sampling Date:	10/31/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	TURNER B #11	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 1 SURFACE (H302655-01)

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	11/05/2013	ND	1.90	94.9	2.00	2.12		
Toluene*	<0.050	0.050	11/05/2013	ND	1.89	94.7	2.00	2.22		
Ethylbenzene*	<0.050	0.050	11/05/2013	ND	1.90	95.2	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/05/2013	ND	5.57	92.9	6.00	2.39		
Total BTEX	<0.300	0.300	11/05/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 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	6000	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	31.7	10.0	11/01/2013	ND	165	82.6	200	10.0		

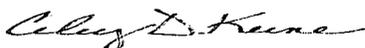
Surrogate: 1-Chlorooctane 82.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.6 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN OPERATING-HOBBS
 BRIAN WALL
 2130 W. BENDER
 HOBBS NM, 88240
 Fax To: (575) 738-1740

Received:	10/31/2013	Sampling Date:	10/31/2013
Reported:	11/06/2013	Sampling Type:	Soil
Project Name:	TURNER B #11	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SP 2 SURFACE (H302655-02)

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	11/05/2013	ND	1.90	94.9	2.00	2.12		
Toluene*	<0.050	0.050	11/05/2013	ND	1.89	94.7	2.00	2.22		
Ethylbenzene*	<0.050	0.050	11/05/2013	ND	1.90	95.2	2.00	2.41		
Total Xylenes*	<0.150	0.150	11/05/2013	ND	5.57	92.9	6.00	2.39		
Total BTEX	<0.300	0.300	11/05/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 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	864	16.0	11/01/2013	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<50.0	50.0	11/01/2013	ND	175	87.6	200	8.35			
DRO >C10-C28	5510	50.0	11/01/2013	ND	165	82.6	200	10.0			

Surrogate: 1-Chlorooctane 81.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 244 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

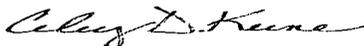
Notes and Definitions

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

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Caley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <i>Wan Energy</i>		BILL TO				ANALYSIS REQUEST																							
Project Manager: <i>Brian Wall</i>		P.O. #:																											
Address:		Company:																											
City:	State:	Zip:	Attn:																										
Phone #:	Fax #:		Address:																										
Project #:	Project Owner:		City:																										
Project Name: <i>Turner B #11</i>		State:		Zip:																									
Project Location: <i>Eddie Counts</i>		Phone #:																											
Sampler Name: <i>Leif Gonzalez</i>		Fax #:																											
FOR LAB USE ONLY																													
Lab I.D.	Sample I.D.	(G) GRAB OR (C) COMP.	# CONTAINERS	MATRIX														PRESERV.	SAMPLING										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME															
<i>H302655</i>																													
	<i>1 SPI Surface</i>	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>							<i>10/31</i>		<i>Chandler</i> <i>JPA</i> <i>BTex</i>														
	<i>2 SPI Surface</i>	<i>G</i>	<i>1</i>			<input checked="" type="checkbox"/>							<i>10/31</i>																

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Relinquished By: <i>Leif Gonzalez</i>	Date: <i>10/31/13</i>	Received By: <i>Jodi Jensen</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>1:50</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>JPA</i>	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2926
#54

November 11, 2013

BRIAN WALL
LINN ENERGY
RR1, BOX 24 B
KINGFISHER, OK 73750

RE: TURNER B #11

Enclosed are the results of analyses for samples received by the laboratory on 11/06/13 16:20.

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:

 LINN ENERGY
 BRIAN WALL
 RR1, BOX 24 B
 KINGFISHER OK, 73750
 Fax To: (405) 375-6693

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

Sample ID: SP 1 @ 2' (H302716-01)

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	11/10/2013	ND	1.96	97.9	2.00	2.18		
Toluene*	<0.050	0.050	11/10/2013	ND	1.97	98.6	2.00	2.94		
Ethylbenzene*	<0.050	0.050	11/10/2013	ND	1.99	99.7	2.00	3.11		
Total Xylenes*	<0.150	0.150	11/10/2013	ND	5.89	98.2	6.00	3.70		
Total BTEX	<0.300	0.300	11/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	384	16.0	11/08/2013	ND	416	104	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	11/08/2013	ND	192	96.2	200	0.759		
DRO >C10-C28	27.9	10.0	11/08/2013	ND	195	97.6	200	1.32		

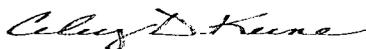
Surrogate: 1-Chlorooctane 88.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.3 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 LINN ENERGY
 BRIAN WALL
 RR1, BOX 24 B
 KINGFISHER OK, 73750
 Fax To: (405) 375-6693

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

Sample ID: SP 2 @ 2' (H302716-02)

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	11/10/2013	ND	1.96	97.9	2.00	2.18		
Toluene*	<0.050	0.050	11/10/2013	ND	1.97	98.6	2.00	2.94		
Ethylbenzene*	<0.050	0.050	11/10/2013	ND	1.99	99.7	2.00	3.11		
Total Xylenes*	<0.150	0.150	11/10/2013	ND	5.89	98.2	6.00	3.70		
Total BTEX	<0.300	0.300	11/10/2013	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 110 % 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	384	16.0	11/08/2013	ND	416	104	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	11/08/2013	ND	192	96.2	200	0.759		
DRO >C10-C28	103	10.0	11/08/2013	ND	195	97.6	200	1.32		

Surrogate: 1-Chlorooctane 106 % 65.2-140
Surrogate: 1-Chlorooctadecane 120 % 63.6-154

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*=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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Linn Energy</u>				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Brian Wall</u>				P.O. #:																									
Address:				Company:																									
City:		State:		Zip:		Attn:																							
Phone #:		Fax #:		Address:																									
Project #:		Project Owner:		City:																									
Project Name: <u>TURNER B#11</u>				State:																Zip:									
Project Location:				Phone #:																									
Sampler Name: <u>Miguel Gomez</u>				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		GIRAB OR (C)OMP. # CONTAINERS		MATRIX														PRESERV.		SAMPLING		<u>chloride</u> <u>TAH</u> <u>BTEX</u>					
						GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:						DATE	
<u>H302716</u>		<u>1 SP1 @ 2'</u>		<u>5</u>				<u>X</u>								<u>X</u>						<u>11-6-13</u>						<u>10:01</u>	
		<u>2 SP2 @ 2'</u>		<u>5</u>				<u>X</u>								<u>X</u>						<u>11-6-13</u>						<u>10:32</u>	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Miguel Gomez</u>		Date: <u>11/6/13</u>	Received By: <u>Jodi Benson</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <u>4:20</u>			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:		REMARKS: <u>Bwall@Linnenergy.com</u> <u>ARuth@diversifiedISI.com</u>	
		Time:				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JH</u>		

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

#50



New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

PLSS Search:

Township: 16S Range: 30E

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,

C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

POD Number	POD		Q Q Q				Rng	X	Y	Depth Well	Depth Water	Water Column	
	Sub-	Code basin	County	64	16	4							Sec
<u>L 03435</u>	L	LE	1	1	05	16S	31E	602954	3646955*				
<u>L 03852</u>	R	L	2	2	2	14	16S	31E	609126	3643913*	370	314	56
<u>L 03852 POD4</u>	L	LE	3	4	3	13	16S	31E	609744	3642516*	333	299	34
<u>L 03852 POD5</u>	L	LE	3	2	13	16S	31E	610238	3643427*		328	295	33
<u>L 03852 X</u>	R	L	4	4	4	13	16S	31E	610749	3642526*	333	299	34
<u>L 03852 X2</u>	L	LE	3	2	2	13	16S	31E	610535	3643733*	330	287	43
<u>L 04671</u>	L	LE	1	1	2	12	16S	31E	610114	3645538*	340	288	52
<u>L 10203</u>	L	LE	4	4	3	14	16S	31E	608334	3642495*	310		
<u>L 10206</u>	L	LE	2	2	23	16S	31E	609045	3642204*		280		

Average Depth to Water: 297 feet
Minimum Depth: 287 feet
Maximum Depth: 314 feet

Record Count: 9

PLSS Search:

Township: 16S Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-		Q Q Q				X	Y	Depth Well	Depth Water	Water Column		
	Code	basin	County	64	16	4						Sec	Tws
<u>L 02381</u>	L	LE	3	1	13	16S	32E	619086	3643515*	308	215	93	
<u>L 02434</u>	L	LE			01	16S	32E	619661	3646531*	337			
<u>L 02449</u>	L	LE			01	16S	32E	619661	3646531*	330	265	65	
<u>L 02617</u>	L	LE	4	4	02	16S	32E	618656	3645924*	322	270	52	
<u>L 02752</u>	L	LE	1	3	26	16S	32E	617521	3639880*	324	280	44	
<u>L 02846</u>	L	LE	4	2	1	11	16S	32E	617956	3645413*	328	275	53
<u>L 02954</u>	L	LE	2	4	03	16S	32E	617043	3646310*	120	65	55	
<u>L 02993</u>	L	LE	3	3	2	15	16S	32E	616572	3643391*	100		
<u>L 03631</u>	L	LE	1	2	02	16S	32E	618240	3647126*	315	250	65	
<u>L 04930</u>	L	LE			1	23	16S	32E	617698	3642092*	307	210	97
<u>L 05494</u>	L	LE			36	16S	32E	619758	3638489*	303	200	103	
<u>L 06557</u>	L	LE	1	4	21	16S	32E	615089	3641466*	295	210	85	
<u>L 06807</u>	L	LE	1	4	4	09	16S	32E	615356	3644383*	290	248	42
<u>L 07823</u>	L	LE	2	2	2	16	16S	32E	615561	3643981*	269	247	22
<u>L 08084</u>	L	LE	1	1	1	16	16S	32E	614157	3643970*	317	260	57
<u>L 08084 POD4</u>	L	LE			2	26	16S	32E	618522	3640492*	303	233	70
<u>L 08084 POD5</u>	L	LE	4	1	4	26	16S	32E	618425	3639788*	296	165	131
<u>L 08084 S3</u>	L	LE			2	26	16S	32E	618522	3640492*	305	205	100
<u>L 08241</u>	L	LE	4	4	02	16S	32E	618656	3645924*	316			
<u>L 10204</u>	L	LE	4	2	2	04	16S	32E	615524	3646993*	319		
<u>L 10205</u>	L	LE	4	1	08	16S	32E	613038	3645066*	330			
<u>L 11189</u>	L	LE	1	1	4	04	16S	32E	614932	3646391*	350		

*UTM location was derived from PLSS - see Help

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Average Depth to Water: **224 feet**
Minimum Depth: **65 feet**
Maximum Depth: **280 feet**

Record Count: 22

PLSS Search:

Township: 16S Range: 32E



New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

PLSS Search:

Township: 17S Range: 30E

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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closed) (quarters are smallest to largest)

(NAD83 UTM in meters) (In feet)

POD Number	POD Sub-			Q Q Q			X	Y	Depth Well	Depth Water Column		
	Code	basin	County	64	16	4					Sec	Tws
RA 11590 POD1	ED			2	1	3	32	17S	31E	603315	3628545	158
RA 11590 POD3	ED			3	1	2	32	17S	31E	603932	3629260	60
RA 11590 POD4	ED			4	1	1	32	17S	31E	603308	3629253	55

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

PLSS Search:

Township: 17S

Range: 31E

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q					X	Y	Depth Well	Depth Water Column	Water	
	Sub-Code	basin	County	64	16	4	Sec						Tws
<u>L 04019</u>	L	LE	4	3	4	02	17S	32E	618468	3636166*	182		
<u>L 04020</u>	L	LE	3	3	4	02	17S	32E	618268	3636166*	200		
<u>L 04021</u>	R	L	3	4	4	02	17S	32E	618670	3636170*	190		
<u>L 04021 POD3</u>	L	LE		3	4	03	17S	32E	616761	3636252*	247		
<u>L 04021 S</u>	L	LE	2	4	4	03	17S	32E	617262	3636354*	260		
<u>L 13047 POD1</u>	L	LE				11	17S	32E	618187	3635254*	140		
<u>L 13050 POD1</u>	L	LE	2	2	1	10	17S	32E	616463	3635945*	156	132	24
<u>RA 08855</u>		LE	4	1	1	10	17S	32E	616061	3635742*	158		
<u>RA 09505</u>		LE	2	2	1	10	17S	32E	616462	3635944	147		
<u>RA 09505 S</u>		LE	2	2	1	10	17S	32E	616463	3635945*	144		
<u>RA 10175</u>		LE		2	1	28	17S	32E	614814	3631005*	158		
<u>RA 11684 POD1</u>		LE	1	1	4	11	17S	32E	618216	3635124	275		
<u>RA 11684 POD2</u>		LE	1	1	4	11	17S	32E	618313	3635248	275		
<u>RA 11684 POD3</u>		LE	3	3	1	11	17S	32E	618262	3635371	275		
<u>RA 11684 POD4</u>		LE	1	3	2	11	17S	32E	618334	3635521	275		
<u>RA 11684 POD5</u>		LE	3	1	4	11	17S	32E	618353	3635047	275		
<u>RA 11734 POD1</u>		LE	2	2	1	10	17S	32E	616556	3635929	165		

Average Depth to Water: 132 feet

Minimum Depth: 132 feet

Maximum Depth: 132 feet

Record Count: 17

PLSS Search:

Township: 17S

Range: 32E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD			Sec	Tws	Rng	X	Y	Depth Well	Depth Water Column	Water
	Sub-	Q	Q								
CP 00818		LE	1	4	26	18S 30E	599289	3620364*	240		
CP 00819		LE	2	4	32	18S 30E	594878	3618720*	150		
L 01978	L	LE	1	3	23	18S 30E	598469	3621964*	65	44	21

Average Depth to Water: **44 feet**

Minimum Depth: **44 feet**

Maximum Depth: **44 feet**

Record Count: 3

PLSS Search:

Township: 18S

Range: 30E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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 (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-	Q Q Q	Code basin	County	64 16 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<u>L 11092</u>	L	LE	2	3	15	18S	31E	606849	3623669*	160	98	62	

Average Depth to Water: **98 feet**
 Minimum Depth: **98 feet**
 Maximum Depth: **98 feet**

Record Count: 1

PLSS Search:

Township: 18S Range: 31E

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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closed) (quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q			Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
				64	16	4								
<u>CP 00566</u>		LE		4	4	1	04	18S	32E	614960	3627280*	133	65	68
<u>CP 00672</u>		LE		4	4	07		18S	32E	612475	3624947*	524	430	94
<u>CP 00672 CLW475398</u>	O	LE		4	4	07		18S	32E	612475	3624947*	540	460	80
<u>CP 00677</u>		LE		1	1	26		18S	32E	617750	3621373*	700		

Average Depth to Water: **318 feet**

Minimum Depth: **65 feet**

Maximum Depth: **460 feet**

Record Count: 4

PLSS Search:

Township: 18S

Range: 32E

*UTM location was derived from PLSS - see Help

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