73		621
Page	e I o	131

From:	Bratcher, Mike, EMNRD
To:	Patterson, Heather, EMNRD
Subject:	FW: Linn - State B #005 - Work Plan
Date:	Monday, May 02, 2016 7:13:16 AM
Attachments:	Linn - State B #005 - Work Plan.pdf Linn - Skelly A Battery - Work Plan.msg

From: Gonzales, EL [mailto:ELgonzales@linnenergy.com]
Sent: Wednesday, April 27, 2016 3:28 PM
To: Bratcher, Mike, EMNRD; Tucker, Shelly (stucker@blm.gov)
Cc: Michael Burton (mburton@diversifiedfsi.com); Laura Flores
Subject: FW: Linn - State B #005 - Work Plan

Here are work plans for your review and approval----- Thanks, E L

From: Laura Flores [mailto:lflores@diversifiedfsi.com]
Sent: Wednesday, April 27, 2016 2:46 PM
To: Gonzales, EL
Cc: Michael Burton
Subject: Linn - State B #005 - Work Plan

Mr. Gonzales,

Attached is the work plan for the State B #005 for your review.

Please let me know if you have any changes or questions.

Thank you,

Laura Flores Environmental Deparment Diversified Field Service, Inc. 206 W Snyder | Hobbs, NM 88240 Phone: 575.964.8394 | Fax: 575.393.8396

This electronic message, together with any attachments, contains information from LINN Energy that may be confidential and intended solely for the use of the addressee only. If you are not the intended recipient, please note that any disclosure, dissemination, distribution or copying of this message, or any attachment, is strictly prohibited. Also, please notify the original sender by return e-mail and delete the message, along with any attachments, from your computer. Finally, the recipient should check this email and any attachments for the presence of viruses. The organization accepts no liability for any damage caused by any virus transmitted by this email.



## State B #005

## **REMEDIATION WORK PLAN**

Release Date: September 28, 2014

Unit Letter O, Section 16, Township 17 South, Range 31 East

API #: 30-015-32874

### April 27, 2016

#### Prepared by:

Michael Burton Environmental Department Diversified Field Service, Inc. 206 W. Snyder Hobbs, NM 88240 Phone: (575)964-8394 Fax: (575)393-8396

#### LINN ENERGY

Page 3 of 31

04/27/2016

Mike Bratcher Environmental Specialist NM Oil Conservation District – Division 2 811 S. First St. Artesia, NM 88210

#### RE: Linn Energy – State B #005 – Remediation Work Plan UL/O, Section 16, T17S, R31E API #: 30-015-32874

Mr. Bratcher,

Linn Energy (Linn) has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located southwest of Maljamar, NM, in Eddy County. The non-reportable spill resulted from a ruptured flowline, releasing a total of 2 barrels of produced water and 2 barrels of oil, with none recovered. The impacted area is located on the pad.

#### **Site Assessment and Delineation**

On October 10, 2014, DFSI personnel were on site to obtain samples within the leak area (Figure 1). Six samples were obtained and field sampled for chloride levels, as well as BTEX (Appendix II). The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). Field samples were submitted for analysis at Cardinal Laboratories of Hobbs, NM to obtain confirmation (Appendix III), resulting in decreasing chloride concentrations to below NMOCD or BLM regulatory limits at all sample points, with the exception of SP1.

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer, there is no groundwater beneath this site. Therefore, no eminent danger of groundwater impact or threat to life is anticipated (Appendix IV).

DIVERSIFIED ENVIRONMENTAL SERVICES

#### LINN ENERGY

04/27/2016

#### Conclusion

After careful review DFSI on behalf of Linn Energy would like to propose the following:

Excavate the area around SP1 to 4' bgs. The remaining release area will be scraped 6". The entire excavation will be backfilled with clean, imported caliche to ground surface. Contaminated soil will be properly disposed of at a NMOCD approved facility. Seeding of the site is not warranted.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,

Michael Burton

Michael Burton Environmental Operations Director | Diversified Field Service, Inc. 206 West Snyder | Hobbs, NM 88240 Office: (575)964-8394 | Mobile: (575)390-5454 Fax: (575)964-8396 | Email: Mburton@diversifiedfsi.com

cc Shelly Tucker

Figure 1 – Site Map Appendix I – Site Photos Appendix II – Laboratory Analysis Appendix III – Groundwater Study Received by OCD: 9/16/2024 9:19:05 AM Site Diagram SP2 SP1 Depth DRO Ε х Depth Cl-PID Lab Cl- GRO DRO CI-PID Lab Cl- GRO В т SS 1,749 16.5 SS 6,997 3,767

<0.05 <0.05 <0.05 <0.15

1' 74 6.9 2' 124 3 32 <10 <10 <0.05 <0.05 <0.05 <0.15 SP3

Depth CI-PID Lab Cl- GRO DRO Ε В Т Х SS 13,745 342 1' 74 3.3

В

Т

SP4 74 3.1 <10 <10 <0.05 <0.05 <0.05 <0.15 2' 96 CI-PID Lab CI- GRO DRO В Т Е Х 4,248 45.3

1' 374 26 199 <0.05 <0.05 <0.05 <0.15 2' 11.4 176 <10 <10

16

1280 <10 11.7

31.7

9

5.7

15.5

3.3

124

224 1,124

974

749

1'

2'

3'

4'

5'

Depth

SS

SP5 SP3 SP6 SP4

17S 31E

SP2

SP5

SP1

Depth	Cl-	PID	Lab Cl-	GRO	DRO	В	Т	E	х			
SS	899	14.5							1.0			
1'	99	35.1	<16	<10	<10	<0.05	<0.05	<0.05	<0.15			
1' 99 35.1 <16 <10 <10 <0.05 <0.05 <0.05 <0.15 SP6												
Depth	Cl-	PID	Lab Cl-	GRO	DRO	В	т	E	х			
SS	524	8.6	0.0						1			

49 0.2 <16 <10 <10 <0.05 <0.05 <0.05 <0.15

#### Legend

and and	Linn State B #005 Unit Letter O. Section 16. T17S. R31B	Mapped: 10/09/2014 LC
Above Ground Line Oil and Produced Water (6,624 sq ft)		e, Earthstar Geographics, CNES/Airbus DS, Aerogrid, IGN, IGP, swisstopo, and the GIS
Pumpjacks	1000 m 10 1 day 79.19	ABROT
+ Power Pole	The state of the second st	
Sample Points	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
🕁 Source	SAR . S . AS	and the second second

1'

**Eddy County, NM** API #: 30-015-32874

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Mapped: 10/09/2014 LC	
Drafted by: L. Flores	ś
04/26/2016	0
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Services Released to Imaging: 9/16/2024 9:26 23 AM

Environmental

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# Appendix I

SITE PHOTOS

Diversified Field Service, Inc. 206 W. Snyder Hobbs, NM 88240 (575) 964-8394



# State B #005

## PHOTO PAGE









# Appendix II

LABORATORY ANALYSIS

Diversified Field Service, Inc. 206 W. Snyder Hobbs, NM 88240 (575) 964-8394



October 16, 2014

BRIAN WALL

LINN ENERGY

RR1, BOX 24 B

KINGFISHER, OK 73750

RE: STATE B #5

Enclosed are the results of analyses for samples received by the laboratory on 10/10/14 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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.

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. Keine

Celey D. Keene Lab Director/Quality Manager



		LINN ENEF BRIAN WA RR1, BOX KINGFISH Fax To:	LL	3	
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 1 @ 5' (H403127-01)

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	10/15/2014	ND	1.81	90.4	2.00	4.62	
Toluene*	<0.050	0.050	10/15/2014	ND	1.72	85.8	2.00	4.10	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.62	81.0	2.00	3.96	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.78	79.7	6.00	4.71	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	10/14/2014	ND	400	100	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	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	11.7	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	81.2 9	47.2-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		LINN ENER BRIAN WAL RR1, BOX 2 KINGFISHE	L		
		Fax To:	(405) 375-6693		
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 2 @ 2' (H403127-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2014	ND	1.81	90.4	2.00	4.62	
Toluene*	<0.050	0.050	10/15/2014	ND	1.72	85.8	2.00	4.10	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.62	81.0	2.00	3.96	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.78	79.7	6.00	4.71	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/14/2014	ND	400	100	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	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	76.1 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	84.4 9	52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		LINN ENER BRIAN WAL RR1, BOX 2 KINGFISHE	L		
		Fax To:	(405) 375-6693		
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 3 @ 2' (H403127-03)

BTEX 8021B	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/15/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/14/2014	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	79.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.2	52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		LINN ENER BRIAN WAL RR1, BOX 2 KINGFISHE	L		
		Fax To:	(405) 375-6693		
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 4 @ 2' (H403127-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/15/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 61-154							
Chloride, SM4500Cl-B mg/kg		Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/14/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	80.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.9	52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		LINN ENER BRIAN WAL RR1, BOX 2 KINGFISHE	L		
		Fax To:	(405) 375-6693		
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 5 @ 1' (H403127-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/15/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	61-154							
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	10/14/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	76.7 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	83.2 9	52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		LINN ENER BRIAN WAL RR1, BOX 2 KINGFISHE	L		
		Fax To:	(405) 375-6693		
Received:	10/10/2014			Sampling Date:	10/10/2014
Reported:	10/16/2014			Sampling Type:	Soil
Project Name:	STATE B #5			Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

#### Sample ID: SP 6 @ 1' (H403127-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2014	ND	1.77	88.5	2.00	9.77	
Toluene*	<0.050	0.050	10/15/2014	ND	1.67	83.6	2.00	10.1	
Ethylbenzene*	<0.050	0.050	10/15/2014	ND	1.59	79.7	2.00	10.0	
Total Xylenes*	<0.150	0.150	10/15/2014	ND	4.76	79.4	6.00	10.1	
Total BTEX	<0.300	0.300	10/15/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	61-154							
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	10/14/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/14/2014	ND	169	84.6	200	3.28	
DRO >C10-C28	<10.0	10.0	10/14/2014	ND	178	89.2	200	3.46	
Surrogate: 1-Chlorooctane	80.2 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.9 9	52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 17 of 31

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

arme: Name: EDWARD ( PE ONLY PE ONLY	Ianager: BRIAN W	Zip: Address:	
anne:       Envir       State:       Zip:         Name:       EDWLARD       CESAREC       Fax #       Phone #:         Four       Sample I.D.       Sample I.D.       PRESERV       SAMPLING         D.       Sample I.D.       Gig RAB OR (C)OMP.       Fax #       SAMPLING         OF       Sample I.D.       Gig RAB OR (C)OMP.       Fax #       SAMPLING         OF       Sample I.D.       Gig RAB OR (C)OMP.       Fax #       SAMPLING         OF       Sample I.D.       Gig RAB OR (C)OMP.       Fax #       SAMPLING         OF       Sample I.D.       Gig RAB OR (C)OMP.       DATE       DATE       DATE         OF       SAMPLING       Gig RAB OR (C)OMP.       Gig RAB OR (C)OMP.       DATE       DATE         OF       SOIL       Gig RAB OR (C)OMP.       Gig RAB OR (C)OMP.       DATE       DATE         OF       SOIL       Gig RAB OR (C)OMP.       Gig RAB OR (C)OMP.       DATE       DATE       DATE         OF       SOIL       Gig RAB OR (C)OMP.       Gig RAB OR (C)OMP.       DATE       DATE </td <td>Phone #: Fax #:</td> <td>Address:</td> <td></td>	Phone #: Fax #:	Address:	
State     Phone #:       Environ R.B.     CESARE       Sample I.D.     Sample I.D.       Sample I.D.     Contract       Presserv     Face #:       Sample Contract value     Sample Contract value       Presserv     Sample Condition       Cricicle One)     Date:       Time:     Received By       Condition     CHECKED BY:		City:	
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Sample I.D.     MATRIX     PRESERV     SAMPLING       Solution     Gip Above     Gip Above     Gip Above     Solution     Solution       Solution     Gip Above     Gip Above     Gip Above     Gip Above     Solution     Solution       Solution     Gip Above     Gip Above     Gip Above     Gip Above     Gip Above     Solution	いちましょ	Fax#:	×
Sample I.D. Sample I.D. Second bases and bases window wi	EDWARD	MATRIX PRESERV SAMPLING	-
By: (Circle One)		TAINERS NDWATER EWATER BASE R : BASE: COOL R :	
ed By: (Circle One)	HO3127- 10 R	# CO GRO WAS SOIL OIL SILUE OTH ACIE OTH OTH OTH OTH OTH OTH OTH OTH OTH OTH	
ed By: (Circle One)	2922 9250 9250 9250 9250 9250 9250 9250	22	111
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(Circle One) Date: T Received By Time: Sample Condition CHECKED BY: Cool Intact (Initials)	By:	Received By:	00
Sample Condition CHECKED BY:	Uw	Received By	n@diversifiedfsi.con
		CHECKED BY: (Initials)	diversified fsi.com

# Appendix III

**GROUNDWATER STUDY** 

Diversified Field Service, Inc. 206 W. Snyder Hobbs, NM 88240 (575) 964-8394



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

No records found.

PLSS Search:

Section(s): 8, 9, 10, 15, 16, Township: 17S Ram 17, 20, 21, 22

Range: 31E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

From:Bratcher, Mike, EMNRDTo:Patterson, Heather, EMNRDSubject:FW: FW: Linn - State B #005 - Work PlanDate:Monday, May 02, 2016 7:13:32 AM

From: Tucker, Shelly [mailto:stucker@blm.gov]
Sent: Friday, April 29, 2016 12:52 PM
To: Gonzales, EL
Cc: Bratcher, Mike, EMNRD; Michael Burton (mburton@diversifiedfsi.com); Laura Flores
Subject: Re: FW: Linn - State B #005 - Work Plan

#### BLM accepts/approves your work plan for the State B #005.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



The <u>BLM acceptance/approval does not</u> relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

On Wed, Apr 27, 2016 at 3:27 PM, Gonzales, EL <<u>ELgonzales@linnenergy.com</u>> wrote:

Here are work plans for your review and approval----- Thanks, E L

From: Laura Flores [mailto:<u>lflores@diversifiedfsi.com</u>] Sent: Wednesday, April 27, 2016 2:46 PM To: Gonzales, EL Cc: Michael Burton Subject: Linn - State B #005 - Work Plan

Mr. Gonzales,

Attached is the work plan for the State B #005 for your review.

Please let me know if you have any changes or questions.

Thank you,

Laura Flores Environmental Deparment Diversified Field Service, Inc. 206 W Snyder | Hobbs, NM 88240 Phone: 575.964.8394 | Fax: 575.393.8396

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------ Forwarded message ------From: Laura Flores <<u>lflores@diversifiedfsi.com</u>> To: "Gonzales, EL" <<u>ELgonzales@linnenergy.com</u>> Cc: Michael Burton <<u>mburton@diversifiedfsi.com</u>> Date: Wed, 27 Apr 2016 20:43:26 +0000 Subject: Linn - Skelly A Battery - Work Plan Mr. Gonzales,

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Please let me know if you have any questions or changes.

Thank you,

Laura Flores Environmental Deparment Diversified Field Service, Inc. 206 W Snyder | Hobbs, NM 88240 Phone: 575.964.8394 | Fax: 575.393.8396

.

From:	Patterson, Heather, EMNRD
To:	ELgonzales@linnenergy.com
Cc:	Bratcher, Mike, EMNRD; Tucker, Shelly; mburton@diversifiedfsi.com
Subject:	RE: FW: Linn - State B #005 - Work Plan
Date:	Monday, May 02, 2016 10:09:00 AM

RE: Linn \* State B #5 \* 30-015-32874 \* 2RP-3663

The OCD concurs with BLM approval.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson Environmental Specialist NMOCD District II Office (575)748-1283 ext.101 Cell (575)703-0228

From: Bratcher, Mike, EMNRD
Sent: Monday, May 02, 2016 7:14 AM
To: Patterson, Heather, EMNRD
Subject: FW: FW: Linn - State B #005 - Work Plan

From: Tucker, Shelly [mailto:stucker@blm.gov]
Sent: Friday, April 29, 2016 12:52 PM
To: Gonzales, EL
Cc: Bratcher, Mike, EMNRD; Michael Burton (mburton@diversifiedfsi.com); Laura Flores
Subject: Re: FW: Linn - State B #005 - Work Plan

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Sincerely,

Shelly J'Tucker **Environmental Protection Specialist** Bureau of Land Management

620 E. Greene St Carlsbad, NM 88220 575.234.5905 - Direct 575.361.0084 - Cellular

stucker@blm.gov



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Laura Flores Environmental Deparment Diversified Field Service, Inc. 206 W Snyder | Hobbs, NM 88240 Phone: 575.964.8394 | Fax: 575.393.8396

From:	Tucker, Shelly
То:	Laura Flores
Cc:	Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD; mburton@diversifiedfsi.com
Subject:	Re: FW: Linn - State B #005 - Work Plan
Date:	Friday, November 25, 2016 2:00:43 PM

## BLM requires a status update by COB on December 2, 2016 for this release or an INC will be issued.

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist O&G Spill/Release Coordinator

Bureau of Land Management 620 E. Greene St Carlsbad, NM 88220

575.234.5905 - Direct 575.361.0084 - Cellular 575.234.6235 - Emergency Spill Number

stucker@blm.gov

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**Environmental Specialist** 

NMOCD District II

Office (575)748-1283 ext.101

Cell (575)703-0228

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**Environmental Deparment** 

Diversified Field Service, Inc.

206 W Snyder | Hobbs, NM 88240

Phone: 575.964.8394 | Fax: 575.393.8396

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Environmental Department

Diversified Field Service, Inc.

206 W Snyder | Hobbs, NM 88240

Phone: 575.964.8394 | Fax: 575.393.8396

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

#### **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
LH Operating, LLC	329319
3730 Kirby Drive	Action Number:
Houston, TX 77098	383750
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

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Page 31 of 31

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