

Linn Energy Turner B North #11

CLOSURE REPORT

BLM Event #NU13100MB

API No. 30-015-22264

Release Date: 5/15/2013

Unit Letter A, Section 28, Township 17 South, Range 31 East

February 20, 2014

Prepared by:

Environmental Department Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 Phone: (575)964-8394 Fax: (575)393-8396

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Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394

Turner B North #11

1 INTRODUCTION

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

The site is located west of Maljamar NM, in Eddy County. The site resulted from a produced water leak in a buried casing at the thread joint. The line rupture released produced water onto approximately 20 square feet of the well pad. The system was shut in and the line repaired. An initial form C-141 was submitted to the NMOCD on October 13, 2011 (Appendix I).

2 SITE ACTIVITIES

On October 31, 2013 DFSI personnel collected surface soil samples from the site (Figure). The samples were field screened for chloride and showed elevated levels in both of the sample points. The samples were submitted to a commercial laboratory for chloride, TPH, and BTEX analyses (Appendix IV).

Visually impacted soils were excavated throughout the entire leak area and removed to a NMOCD approved disposal facility. Simultaneous soil field testing revealed low chloride and hydrocarbon levels at 1 to 2 ft. below ground surface (bgs) (Figure). Soil samples were collected from the excavation floor and submitted to a laboratory for confirmation (Appendix IV). Chlorides were reduced at SP1 near the source of the leak to 394 mg/kg at 2 ft. bgs. The second sample on the west end of the pad contained 384 mg/kg. at 2 ft. bgs TPH totaled less than 10.0 mg/kg GRO and less than 10.0 mg/kg DRO, and BTEX totaled less than 130.9 mg/kg in all samples. Photographs of site activities can be viewed in Appendix II.

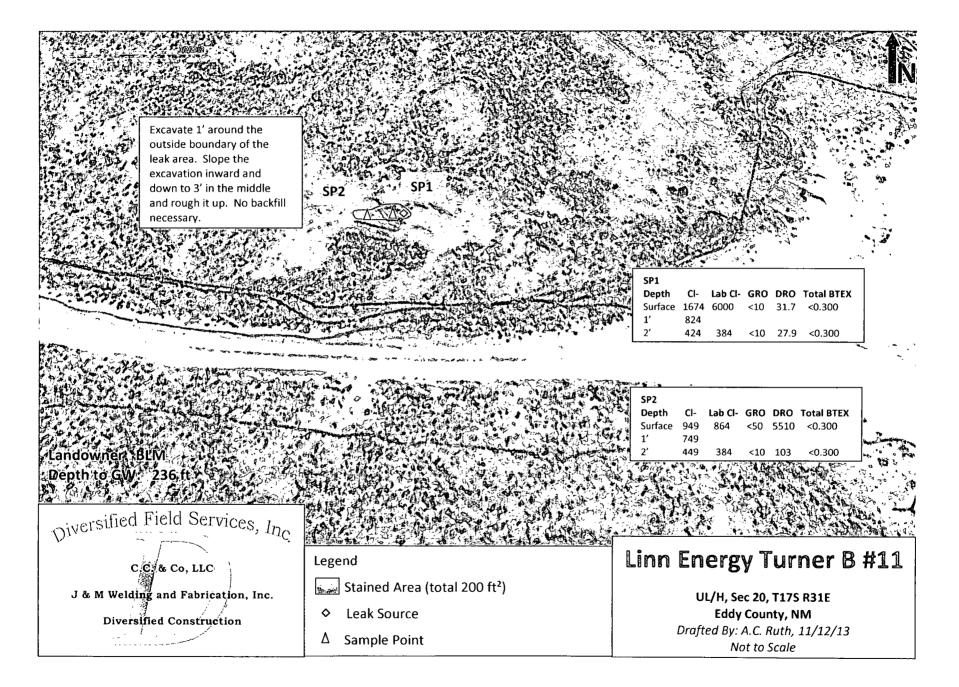
On November13, 2013, DFSI submitted a backfill request to NMOCD and NMBLM. On July 23, 2013, NMOCD and BLM representatives approved backfill of the excavation. The excavated area on the well pad was backfilled with imported caliche and leveled. The pasture excavation was backfilled with imported topsoil and the site was contoured to the surrounding landscape. On January 06, 2014, the site was seeded with 25 lbs. of Lesser Prairie Chicken seed mix per BLM requirements.

3 CONCLUSION

According to the U.S. Geological Survey and the NM Office of the State Engineer, depth to groundwater in the area averages greater than 236 ft. bgs (Appendix III). Based on the removal Diversified Field Service, Inc. Page 1

of soils containing elevated chloride and visual staining at the site, DFSI, on behalf of Linn, submits the final form C-141 (Appendix V) and respectfully requests the closure of the regulatory file for the site.

Excavation Diagram



Appendix I

INITIAL FORM C-141

Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394

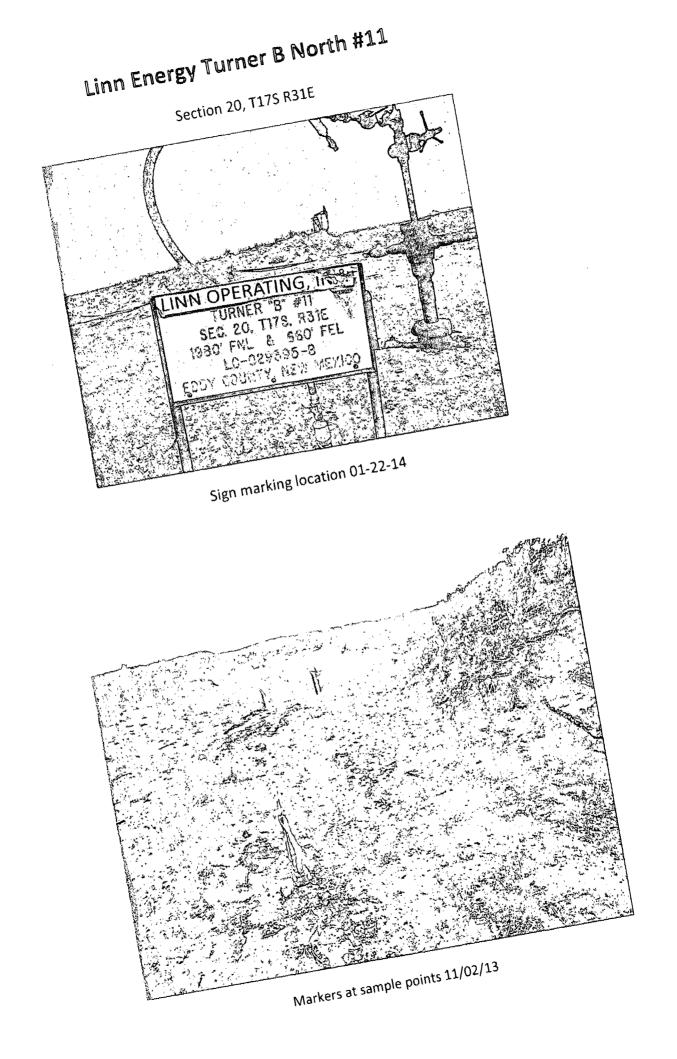
| 625 N. French Dr., Hobbs, NM 88240 <u>District II</u> E 301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 000 Rio Brazos Road, Aztec, NM 87410 District IV | | ls and Natural ervation Div 1th St. Franc | vision | | | | Form C-141 ised October 10, 2003 opies to appropriate Africe in accordance in Fule 116 on back | | | | | | | | |
|--|--|---|---|---|--|---|--|--|--|--|--|--|--|--|--|
| 220 S. St. Francis Dr., Santa Fe, NM 87505 | Santa | Fe, NM 875 | 05 | | | | side of forn | | | | | | | | |
| 0-015-05283 Release | Notificati | on and Co | orrective A | ction | | | | | | | | | | | |
| MLB 1128648672 | 10001 | OPERAT | the second s | 0 | Initia | ll Report | Final Repo | | | | | | | | |
| Name of Company: LINN Energy 2 Address: 2130 W Bender Blvd Hobbs, NM | 69324 | Contact: Joe | Hernandez 10.: 575-942-86 | 75 | | <u> </u> | | | | | | | | | |
| Facility Name: Turner B North #11 Injection Lin | ne | and the second se | e: Produced Wa | the second se | ion Sys | em | | | | | | | | | |
| Surface Owner: BLM | Mineral Owne | | | | | | | | | | | | | | |
| | LOCATI | ON OF REI | LEASE | | | | | | | | | | | | |
| Unit Letter Section Township Range Fee 20 17S 31E | t from the No. 1980 | th/South Line Feet from the East/West Line County N 660 E Eddy | | | | | | | | | | | | | |
| La | ititude: 32.8219 | 955 Longitude: -103.885953 | | | | | | | | | | | | | |
| | NATUR | E OF RELI | C OF RELEASE | | | | | | | | | | | | |
| Type of Release: Produced Water | | Volume of | Release: 5 | Volume Recovered: 0 | | | | | | | | | | | |
| Source of Release: Line Leak | | Date and H 09/23/11 - | our of Occurrenc 1500 | ce: Date and Hour of Discovery: 09/23/11 - 1530 | | | | | | | | | | | |
| Was Immediate Notice Given? | Not Require | If YES, To Whom? | | | | | | | | | | | | | |
| By Whom? Fred HOImes | Whom? Fred HOlmes | | | | | | Date and Hour: 09/16/11 -0900 | | | | | | | | |
| | If YES, Volume Impacting the Watercourse. | | | | | | | | | | | | | | |
| Yes 🛛 No | | If YES, Vo | lume Impacting t | he Waterc | ourse. | | | | | | | | | | |
| If a Watercourse was Impacted, Describe Fully.*: | en.*: Thread joint | | | | ; | hut in and th | e line repaired. | | | | | | | | |
| If a Watercourse was Impacted, Describe Fully.*: Describe Cause of Problem and Remedial Action Take Describe Area Affected and Cleanup Action Taken.*: photographs and site map attached. I hereby certify that the information given above is trun regulations all operators are required to report and/or fi public health or the environment. The acceptance of a should their operations have failed to adequately invest | Area is approxia e and complete to ile certain release C-141 report by trgate and remedi | tely 20 square fe notifications an the NMOCD ma ate contaminatio | g burined line to l eet with an estiam knowledge and un d perform correc irked as "Final Ro on that pose a thr | eak. SYst nted 3-4 fe nderstand tive action eport" doe | em was s et vertica that purs s for rele s not reli n d water | I. Corrective uant to NMO ases which n eve the opera surface wat | CD rules and nay endanger ttor of liability er, human health | | | | | | | | |
| Yes No If a Watercourse was Impacted, Describe Fully.*: Describe Cause of Problem and Remedial Action Take Describe Area Affected and Cleanup Action Taken.*: photographs and site map attached. I hereby certify that the information given above is truit regulations all operators are required to report and/or fi | Area is approxia e and complete to ile certain release C-141 report by trgate and remedi | tely 20 square fe notifications an the NMOCD ma ate contaminatio | g burined line to l eet with an estiam d perform correc arked as "Final Ro on that pose a thre e the operator of r | eak. SYst nted 3-4 fe nderstand tive action eport" doe sat to grou responsibi | em was s et vertica that purs s for rele s not reli nd water ity for cc | I. Corrective uant to NMO ases which n eve the opera surface wat mpliance wi | CD rules and nay endanger tor of liability er, human health th any other | | | | | | | | |
| ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.*: Describe Cause of Problem and Remedial Action Take Describe Area Affected and Cleanup Action Taken.*: photographs and site map attached. I hereby certify that the information given above is true regulations all operators are required to report and/or fire public health or the environment. The acceptance of a should their operations have failed to adequately investor the environment. In addition, NMOCD acceptance of federal, state, or local laws and/or regulations. | Area is approxia e and complete to ile certain release C-141 report by trgate and remedi | tely 20 square fe notifications an the NMOCD ma ate contaminatio | g burined line to l set with an estiam d perform correc arked as "Final Ro on that pose a thre the operator of r OIL CONS | eak. SYst nted 3-4 fe nderstand tive action eport" doe eat to grou- responsibi SERVA | em was s et vertica that purs s for rele s not reli nd water ity for cc <u>TION</u> | I. Corrective uant to NMO ases which n eve the opera surface wat impliance wi DIVISIO | CD rules and nay endanger tor of liability er, human health th any other | | | | | | | | |
| Yes No If a Watercourse was Impacted, Describe Fully.*: Describe Cause of Problem and Remedial Action Take Describe Area Affected and Cleanup Action Taken.*: photographs and site map attached. Thereby certify that the information given above is true regulations all operators are required to report and/or fi bublic health or the environment. The acceptance of a should their operations have failed to adequately investor or the environment. In addition, NMOCD acceptance of ederal, state, or local laws and/or regulations. Signature: | Area is approxia e and complete to ile certain release C-141 report by trgate and remedi | tely 20 square fe notifications and the NMOCD ma ate contaminatic does not relieve | s burined line to l eet with an estiam d perform correc arked as "Final Re on that pose a thre the operator of r OIL CONS Signed By District Supervise | eak. SYst nted 3-4 fe nderstand tive action eport" doe eat to grou responsibi SERVA | em was s et vertica that purs s for rele s not reli nd water ity for cc | I. Corrective uant to NMO ases which n eve the opera surface wat impliance wi DIVISIO | CD rules and nay endanger tor of liability er, human health th any other | | | | | | | | |
| ☐ Yes ⊠ No If a Watercourse was Impacted, Describe Fully.*: Describe Cause of Problem and Remedial Action Take Describe Area Affected and Cleanup Action Taken.*: photographs and site map attached. I hereby certify that the information given above is true regulations all operators are required to report and/or fi public health or the environment. The acceptance of a should their operations have failed to adequately invess or the environment. In addition, NMOCD acceptance | Area is approxia e and complete to ile certain release C-141 report by trgate and remedi | tely 20 square fe notifications and the NMOCD ma ate contaminatic does not relieve | burined line to I eet with an estiam knowledge and ui d perform correc arked as "Final Ro on that pose a thre the operator of r <u>OIL CONS</u> Signed By 2 District Supervise OCT 1 3 24 | eak. SYst ated 3-4 fe nderstand tive action esport" doe eat to grou- responsibi SERVA | em was s et vertica that purs s for rele s not reli nd water ity for cc <u>TION</u> | I. Corrective uant to NMO ases which n eve the opera surface wat mpliance wi DIVISIO | CD rules and nay endanger tor of liability er, human health th any other | | | | | | | | |

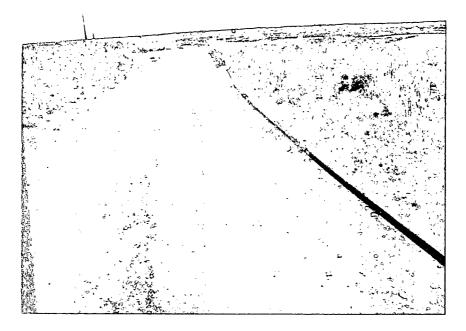
.

Appendix II

SITE PHOTOGRAPHS

Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394





Repaired buried casing in lease road 11-02-13



Site at completion 02/05/14

Appendix III

GROUNDWATER DATA

Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394

GROUND WATER SEARCH

| | | Linn E | Energy Turn | er B | #11 | | |
|--|------------|----------|------------------------------|--------------------|--|------------------|--------------------------------|
| UL: | H | Sec: | 20 | т:_ | 175 | R: | 31E |
| Groundwa | ter Depth: | | 236 | | ft. | | |
| o = NM Office of the ■ = U.S. Geological S ☎ = Site Location | | well) | | | | | Date: 11/12/13 By: Amy Ruth |
| | 16S 30E | | 28 314' 165 31É | 38'o 0 0 295 | °248' 254'° 1 65 32 | °210 °221 | 15' |
| | 17S 30E | | 17S 31E | | ە 175 32 | 132' E | |
| | 18S 30E | o 44' | 098 18S 31E | , | ° _{65'} ° _{430'} 185 32 | E 460' | |
| | | | | | | | |



No records found.

PLSS Search:

Township: 16S Range: 30E



| (A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | been i | 1) | d, (qua | | | | | | VE 3=SV largest | V 4=SE)) (NAD8 | 3 UTM in meters) | | (In feet |) |
|--|--------|-------------|------------|---|---|---|----|-----|--------------------|--------------------|------------------|----------|----------|-----------------|
| | | POD Sub- | | 0 | Q | 0 | | | | | | Donth | Donth | Mintor |
| POD Number | Code | | County | | | | | Tws | Rng | х | Y | • | . • | Water Column |
| L 03435 | | L | LE | | 1 | 1 | 05 | 16S | 31E | 602954 | 3646955* 🏵 | | | |
| L 03852 | R | L | LE | 2 | 2 | 2 | 14 | 16S | 31E | 609126 | 3643913* 🖑 | 370 | 314 | 56 |
| L 03852 POD4 | | L | LE | 3 | 4 | 3 | 13 | 16S | 31E | 609744 | 3642516* 👸 | 333 | 299 | 34 |
| L 03852 POD5 | | L | LE | | 3 | 2 | 13 | 16S | 31E | 610238 | 3643427* 🌍 | 328 | 295 | 33 |
| L 03852 X | R | L | LE | 4 | 4 | 4 | 13 | 16S | 31E | 610749 | 3642526* 🍣 | 333 | 299 | 34 |
| L 03852 X2 | | L | LE | 3 | 2 | 2 | 13 | 16S | 31E | 610535 | 3643733* 👸 | 330 | 287 | 43 |
| L_04671 | | L | LE | 1 | 1 | 2 | 12 | 16S | 31E | 610114 | 3645538* 🤣 | 340 | 288 | 52 |
| L 10203 | | L | LE | 4 | 4 | 3 | 14 | 16S | 31E | 608334 | 3642495 🤪 | 310 | | |
| L 10206 | | L | LE | | 2 | 2 | 23 | 16S | 31E | 609045 | 3642204 😽 | 280 | | |
| | | | | | | | | | | | Average Depth to | o Water: | 297 f | eet |
| | | | | | | | | | | | Minimun | n Depth: | 287 f | eet |
| | | | | | | | | | | | Maximun | Depth: | 314 f | eet |

Record Count: 9

PLSS Search:

Township: 16S Range: 31E

*UTM location was derived from PLSS - see Help



| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a | (R=POD has been replaced O=orphaned, C=the file is | (quar | | | | | | IE 3=SM | | | - | | |
|---|---|-------|------|----|----|-----------|---------|----------|--------|-----------------|-------|----------|----------------|
| water right file.) | closed) | (quar | ters | ar | es | smai | lest to | largest) | (NAD83 | 3 UTM in meters | | (In feet | :) |
| | POD Sub- | | Q | Q | Q | | | | | | Depth | Depth | Water |
| POD Number | Code basin C | ounty | 64 | 16 | 4 | Sec | Tws | Rng | X | Y | • | | Column |
| L 02381 | L | LE | | 3 | 1 | 13 | 16S | 32E | 619086 | 3643515* 🌍 | 308 | 215 | 93 |
| L 02434 | L | LE | | | | 01 | 16S | 32E | 619661 | 3646531* 🌍 | 337 | | |
| L 02449 | L | LE | | | | 01 | 16S | 32E | 619661 | 3646531* 🍣 | 330 | 265 | 65 |
| L 02617 | L | LE | | 4 | 4 | 02 | 16S | 32E | 618656 | 3645924* 🍪 | 322 | 270 | 52 |
| L 02752 | L | LE | | 1 | 3 | 26 | 16S | 32E | 617521 | 3639880* 😽 | 324 | 280 | 44 |
| L 02846 | L | LE | 4 | 2 | 1 | 11 | 16S | 32E | 617956 | 3645413* 🍪 | 328 | 275 | 53 |
| L 02954 | L | LE | | 2 | 4 | 03 | 16S | 32E | 617043 | 3646310* 🌍 | 120 | 65 | 55 |
| L_02993 | Ĺ | LE | 3 | 3 | 2 | 15 | 16S | 32E | 616572 | 3643391* 🌍 | 100 | | |
| L 03631 | L | LE | | 1 | 2 | 02 | 16S | 32E | 618240 | 3647126* 🍣 | 315 | 250 | 65 |
| L 04930 | L | LE | | | 1 | 23 | 16S | 32E | 617698 | 3642092* 🍪 | 307 | 210 | 9 7 |
| L 05494 | L | LE | | | | 36 | 16S | 32E | 619758 | 3638489" 🍣 | 303 | 200 | 103 |
| L 06557 | L | LE | | 1 | 4 | 21 | 16S | 32E | 615089 | 3641466* 🏀 | 295 | 210 | 85 |
| L 06807 | L | LE | 1 | 4 | 4 | 09 | 16S | 32E | 615356 | 3644383* 🌍 | 290 | 248 | 42 |
| L 07823 | L | LE | 2 | 2 | 2 | 16 | 16S | 32E | 615561 | 3643981" 🏵 | 269 | 247 | 22 |
| L 08084 | L | LE | 1 | 1 | 1 | 16 | 16S | 32E | 614157 | 3643970* 🍪 | 317 | 260 | 57 |
| L 08084 POD4 | L | LE | | | 2 | 26 | 16S | 32E | 618522 | 3640492* 🏵 | 303 | 233 | 70 |
| L 08084 POD5 | L | LE | 4 | 1 | 4 | 26 | 16S | 32E | 618425 | 3639788* 🍪 | 296 | 165 | 131 |
| L 08084 S3 | L | LE | | | 2 | 26 | 16S | 32E | 618522 | 3640492* 🌍 | 305 | 205 | 100 |
| L 08241 | L | LE | | 4 | 4 | 02 | 16S | 32E | 618656 | 3645924* 🌍 | 316 | | |
| L 10204 | L | LE | 4 | 2 | 2 | 04 | 16S | 32E | 615524 | 3646993* 🏵 | 319 | | |
| L 10205 | L | LE | | 4 | 1 | 08 | 16S | 32E | 613038 | 3645066* 🌍 | 330 | | |
| L 11189 | L | LE | 1 | 1 | 4 | 04 | 16S | 32E | 614932 | 3646391* 😜 | 350 | | |

*UTM location was derived from PLSS - see Help

Average Depth to Water:224 feetMinimum Depth:65 feetMaximum Depth:280 feet

Record Count: 22

PLSS Search:

Township: 16S Range: 32E



No records found.

PLSS Search:

Township: 17S Range: 30E



| (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) | (quar | | | | | | IE 3=SW | | 3 UTM in meters) | | (In feet) |
|---|--|-------|---------|---|---|-----|-----|---------|--------|------------------|----------|-----------------------------|
| | POD | | ~ | ~ | ~ | | | | | | | • • • • • • |
| POD Number | Sub- Code basin C | ounty | Q 64 | | | Sec | Tws | Rng | x | Y | • • | Depth Water Water Column |
| 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 | o Water: | |
| | | | | | | | | | | Minimun | n Depth: | |
| | | | | | | | | | | Maximun | n Depth: | |
| Record Count: 3 | | | | | | | | | | | | |

ecord oodant.

PLSS Search:

Township: 17S Range: 31E



| (A CLW#################################### | (R=PC been r O=orp C=the closed | eplaced haned, file is | (qua | | | | | | IE 3=SW | | 3 UTM in meters) | | (In feet) | |
|--|---|------------------------------|--------|---|---|---|----|-----|---------|----------------|------------------|----------|-----------|-------|
| | | POD Sub- | | 0 | Q | • | | | | | | Death | Depth W | later |
| POD Number | | basin (| County | | | | | Tws | Rng | x | Y | | Water Co | |
| L 04019 | | L | LE | 4 | 3 | 4 | 02 | 17S | 32E | 618468 | 3636166* 🌍 | 182 | | |
| L 04020 | | L | LE | 3 | 3 | 4 | 02 | 17S | 32E | 618268 | 3636166* 🏷 | 200 | | |
| L 04021 | R | L | LE | 3 | 4 | 4 | 02 | 17S | 32E | 618670 | 3636170* 🌍 | 190 | | |
| L 04021 POD3 | | L | LE | | 3 | 4 | 03 | 17S | 32E | 616 761 | 3636252* 🍪 | 247 | | |
| L 04021 S | | L | LE | 2 | 4 | 4 | 03 | 17S | 32E | 617262 | 3636354* 🏵 | 260 | | |
| L 13047 POD1 | | L | LE | | | | 11 | 17S | 32E | 618187 | 3635254* 👸 | 140 | | |
| L 13050 POD1 | | L | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616463 | 3635945* 分 | 156 | 132 | 24 |
| RA 08855 | | | LE | 4 | 1 | 1 | 10 | 17S | 32E | 616061 | 3635742* 🎸 | 158 | | |
| RA 09505 | | | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616462 | 3635944 🌍 | 147 | | |
| RA 09505 S | | | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616463 | 3635945* 🍪 | 144 | | |
| RA 10175 | | | LE | | 2 | 1 | 28 | 17S | 32E | 614814 | 3631005* 🏈 | 158 | | |
| RA 11684 POD1 | | | LE | 1 | 1 | 4 | 11 | 17S | 32E | 618216 | 3635124 🏈 | 275 | | |
| RA 11684 POD2 | | | LE | 1 | 1 | 4 | 11 | 17S | 32E | 618313 | 3635248 🍣 | 275 | | |
| RA 11684 POD3 | | | LE | 3 | 3 | 1 | 11 | 17S | 32E | 618262 | 3635371 🌍 | 275 | | |
| RA 11684 POD4 | | | LE | 1 | 3 | 2 | 11 | 17S | 32E | 618334 | 3635521 🍪 | 275 | | |
| RA 11684 POD5 | | | LE | 3 | 1 | 4 | 11 | 175 | 32E | 618353 | 3635047 🌍 | 275 | | |
| RA 11734 POD1 | | | LE | 2 | 2 | 1 | 10 | 17S | 32E | 616556 | 3635929 🍪 | 165 | | |
| | | | | | | | | | | | Average Depth t | o Water: | 132 fee | t |

erage 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



| (A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | | | | | | | IE 3=SW largest) | | 3 UTM in meters) | | (In fee | t) |
|--|----------------|--------|------|---|-----|-----|---------------------|--------|------------------|----------|---------|--------|
| | POD Sub- | c | 2 Q | Q | | | | | | Depth | Depth | Water |
| POD Number | Code basin Cou | unty 6 | 4 16 | 4 | Sec | Tws | Rng | Х | Y | • | • | Column |
| CP 00818 | LI | E | 1 | 4 | 26 | 18S | 30E | 599289 | 3620364• 🌍 | 240 | | |
| CP 00819 | LI | Е | 2 | 4 | 32 | 18S | 30E | 594878 | 3618720* 🌍 | 150 | | |
| L 01978 | L LI | E | 1 | 3 | 23 | 18S | 30E | 598469 | 3621964* 🌍 | 65 | 44 | 21 |
| | | | | | | | | | Average Depth to | o Water: | 44 (| feet |
| | | | | | | | | | Minimun | n Depth: | 44 (| feet |
| | | | | | | | | | Maximun | n Depth: | 44 1 | feet |
| Record Count: 3 | | | | | | | | | | | | |

PLSS Search:

Township: 18S Range: 30E

*UTM location was derived from PLSS - see Help

| w 😂 | | Mexico Office of <mark>olumn/Aver</mark> a | | 0 |
|---|---|--|---|-----------|
| (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 (quarters are smallest to largest) | • | (In feet) |
| | POD | | | |

| Sub- | Countr | | - | 6 | T | Dee | ~ | v | • | • | |
|------------|--------|-------------------|-------------------------|---------------------------|-------------------------------|-----------------------------------|---------------------------------------|---|--|---|---|
| Code Dasin | County | 04 10 | 4 | Sec | 1422 | ruig | • | r | AAGU | AAgriel, C | olumn |
| L | LE | 2 | 3 | 15 | 18S | 31E | 606849 | 3623669* 🍣 | 160 | 98 | 62 |
| | | | | | | | | Average Depth | o Water: | 98 fee | et |
| | | | | | | | | Minimu | m Depth: | 98 fe | et |
| | | | | | | | | Maximu | n Depth: | 98 fee | et |
| | | Code basin County | Code basin County 64 16 | Code basin County 64 16 4 | Code basin County 64 16 4 Sec | Code basin County 64 16 4 Sec Tws | Code basin County 64 16 4 Sec Tws Rng | Code basin County 64 16 4 Sec Tws Rng X | Code basin County 64 16 4 Sec Tws Rng X Y L LE 2 3 15 18S 31E 606849 3623669* | Code basin County 64 16 4 Sec Tws Rng X Y Well L LE 2 3 15 18S 31E 606849 3623669* () 160 Average Depth to Water: | Code basin County 64 16 4 Sec Tws Rng X Y Well Water C L LE 2 3 15 18S 31E 606849 3623669* (3) 160 98 Average Depth to Water: 98 fee Minimum Depth: 98 fee |

Record Count: 1

PLSS Search:

Township: 18S Range: 31E

*UTM location was derived from PLSS - see Help



| (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) | (quart | | | | | E 3=SW largest) | , | 3 UTM in meters) | | (In feet |) |
|---|--|--------|-------|----|-----|-----|--------------------|--------|------------------|--------|----------|--------|
| | POD Sub- | | QQ | Q | | | | | | Depth | Depth | Water |
| POD Number | Code basin C | ounty | 64 16 | 54 | Sec | Tws | Rng | X | Y | Well | Water (| Column |
| CP 00566 | | LE | 44 | 1 | 04 | 18S | 32E | 614960 | 3627280* 🌍 | 133 | 65 | 68 |
| <u>CP 00672</u> | | LE | 4 | 4 | 07 | 18S | 32E | 612475 | 3624947" 🍣 | 524 | 430 | 94 |
| CP 00672 CLW475398 | 0 | LE | 4 | 4 | 07 | 18S | 32E | 612475 | 3624947* 🏈 | 540 | 460 | 80 |
| CP 00677 | | LE | 1 | 1 | 26 | 18S | 32E | 617750 | 3621373* 🍣 | 700 | | |
| | | | | | | | | | Average Depth to | Water: | 318 fe | eet |
| | | | | | | | | | Minimum | Dooth | 66 L | |

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

Appendix IV

SEED REPORT

0

Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394 .

DIVERSIFIED FIELD SERVICES, INC.

| Project: Twmn B11 Project No.: Date Started: 1-6-201 | 4 |
|--|---|
| Seed and Ibs used: <u>25</u> [#] Date Completed: <u>1 - 6 - 20 N</u> | 4 |
| | |
| Bamert Seed Company Inc. | |
| 1897 CR 10 2010 10 10 10 10 10 10 10 10 10 10 10 10 | |
| LR Sand Shinnery W/RW & SB 400 # INV51920 | |
| Description Pure Seed Germ Dormant Origin | |
| Bluestern Big, "kaw" (Caryopsis) (Andri oogon gerardii) 20.37% 00.071 | |
| Print Rule, Cimarron (Schizachynum scoparium 8.78% 09.00% 3.00% TX | |
| bristies, 255, Plains, VNS' (Setana vulpiseta) '4,84% 29,00% pp april | |
| Diopseed Saild, VNS (Sporobolus cryptandrus) | |
| rourwing saubusit, VNS (Apripiex canescens) 20.59% 19.00% 24.00% | |
| PLAIN- COREOPSIS (Coreopsis, Finctoria) 0.00% 90.00% 5.00% | |
| PLAINS CCREOPSIS (Coreopsis Tinzturia) 4.98% 89.00% 0.00% | |
| Ragweed, "Western" (Ambrosia L.) 7.00% 85.00% 0.00% AL | |
| Switchgrass "Blackwell" (Panicum virgatum) 13.69% 84.00% 0.00% TX | |
| | |
| Purity: 93.46% Inert Matter: 5.61% Other Crop Seed: 0.57% Weed Seed: 0.16% | |
| Purity: 93.46% Inert Matter: 5.61% Cther Crop Seed: 0.57% Weed Seed: 0.16% | |
| Purity 93 46% Inat Matter 5 61% | |
| Purity: 93.46% Inert Matter: 5.61% Other Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Other Crop Seed: 0.57% Weed Seed: 0.16% | |
| Purity: 93.46% Inert Matter: 5.61% Other Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |
| Purity: 93.46% Inert Matter: 5.91% Cther Crop Seed: 0.57% Weed Seed: 0.16% Noxious Weeds: None Test Date: 05/2013 Net Wt: 25.00 lbs | |

Appendix V

LABORATORY ANALYSIS

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Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394



November 06, 2013

BRIAN WALL

LINN OPERATING-HOBBS

2130 W. BENDER

HOBBS, NM 88240

RE: TURNER B #11

Enclosed are the results of analyses for samples received by the laboratory on 10/31/13 13:50.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/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.

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,

Celeg D. Keine

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 1 SURFACE (H302655-01)

| 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 | 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 (PIL | 106 % | % 89.4-12 | 6 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | 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 | 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-Chlorooctadecane 88.6% 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celeg E. Keine

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 | Analyze | d 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 (PIL | 106 9 | 89.4-12 | 6 | | | | | | 1888 (11118) |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d 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 | Analyze | d 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 | % 65.2-14 | 0 | | | | · | | |
| Surrogate: 1-Chlorooctadecane | 244 9 | 63.6-15 | L. | | | | | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|------|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| • | Chloride by SM4500CI-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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



| Company Name | (575) 393-2326 FAX | | - | | | | | | | e les | 1 11 | 明白い | | ź | 811 | | | ANA | LYSI | C DE | | ST. | | | · . |
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| Phone #: | | Fax #: | <u></u> | | | | | 1 | \ddr | | • | | | | | 1 · | | | | } | | 1. | | 1 | |
| Project #: | | Project Owne | | | | | | | City: | | <u> </u> | | | | | | | | | | | | |] | |
| | TUNER B #11 | | | | | | | | State | | _ | Zip: | | | | | ŀ | | | | | | | 1 | |
| Project Location | | inte | | | | | | | Phon | | : | | · · · · · | | | | | | ľ | | | | ŀ., | | |
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| halyses."All claims" mcludif | nd Damages. Cardinal's liability and clie Typinose for negligence and any others | cause whatsoever shall be | deama | d waiv | ed unite | स्ट ^{्र} गाडपंस | in writin | ng and 1 | eceived | byCa | ndinal v | Albin 30 days alt | er completion of 1 | the applicat | | | | | | | | Permit and a second | | | |
| filiates or successors arish | ardinal be liable for incidental or conse ng out of or related to the performance | of services hereunder by (| Cardina | <u>l, rega</u> | dieşa ç | f whethe | | | | | | | asons or otherw | se | | | | | | | | - | | | _ |
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| Sampler - UPS | - Bus - Other: | 9 | G | 2 | | | | Yes | | × | | W | | | | | | | | | | | | | |
| | cannot accept verbal | | - | 2 | | | | | | _ | -4 | | <u> </u> | | | | · | | | | | | | | |



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 accredited analytes.

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,

Celeg D. Keine

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 | Analyze | d 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 (PIL 110 % 89.4-126

| Chloride, SM4500CI-B | mg | /kg | Analyze | d 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 | 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 | 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 | |
| | 88.6 | % 65.2-14 | 0 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.3 | % 63.6-15 | 4 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg Litera

Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

NOT GIVEN

Sample Received By:

11/06/2013

Cool & Intact

Jodi Henson

Soil

Analytical Results For:

LINN ENERGY BRIAN WALL RR1, BOX 24 B KINGFISHER OK, 73750 Fax To: (405) 375-6693 11/06/2013 Sampling Date: 11/11/2013 Sampling Type: TURNER B #11 Sampling Condition:

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

Received:

Reported:

Project Name:

Project Number:

Project Location:

| 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 | 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 (PIL | 110 % | 6 89.4-12 | 6 | | | | | | |
| Chioride, SM4500CI-B | mg/ | kg | Analyze | d 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 | 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 | 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 % | 65.2-14 | 0 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 120% | 63.6-15 | 4 | | | | | | |

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*=Accredited Analyte

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Celey D. Kerne

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 SM4500CI-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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Celeg theme

Celey D. Keene, Lab Director/Quality Manager



| 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 | | | |
|--|--|--|-----------------------------------|
| | | BILL TO | ANALYSIS REQUEST |
| Project Manager: Bilan while | | P.O. #: | |
| Address: | | Company: | |
| City: State: Zip: | | | |
| Phone #: Fax #: | | Address: | |
| Project #: Project Owner: | | City: | |
| Project Name: TWI NVI P #11 9 | | State: Zip: | |
| Project Location: | | Phone #: | |
| Sampler Name: MARCHI Grames | | Fax #: | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | |
| AMO | м Ш К | | |
| Lab I.D. Sample I.D. ⁴ ₩O(O) ₩O | NER VAT ATEF | ш́ _ | |
| | | R : COC | |
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| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim | | | |
| analyses. All claims including those for negligence and any other cause whatsoever shall be deemed of service. In no event shall Cardinal be liable for incidental or consequental damages, including without l | limitation, business interruptions, | loss of use, or loss of profits incurred by client, its subsidia | aries, |
| athliates or successors arising out of or related to the performance of services hereunder by Cardinal, r Relinquished By: Date: J.M. Rec | egardless of whether such claim | L Phone Re | sult: 🛛 Yes 🖾 No 🛛 Add'l Phone #: |
| Miguel oromer The 206 | | REMADON REMARK | It: 🗆 Yes 🗆 No Add'I Fax #: S: |
| Relinquished By: Date: Red | eived By: | Rb | valla L'innervergy. (ort) |
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| Delivered By: (Circle One) | Sample Condit | | uthed lversified IS1.com |
| Sampler - UPS - Bus - Other: 5.86 | Cool Intact | | |

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† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2426 Ξ



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

| 0 | (010) 000 2020 1777 (010) 000 201 | _ | | | | | | 1- | <u> </u> | · / / | | | والارتد ورزما ما | ~ | | | | | Veic | , DE | | ~ | | | 1 |
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| Project Manager | · brie Wall | | | | | | | Р. | O. #. | : | | | | | | | | | | | | | | | |
| Address: | | | | | | | | Co | mpa | any | : | | | | | ļ | | | | | | | | | |
| City: | State: | Zip | : | | | | | At | tn: | | | | | | | | | | | | | | | | |
| Phone #: | Fax #: | | | | | | | Ao | dres | ss: | | _ | | | | | | | | | | | | | |
| Project #: | Project Owner | r: | | | | | | Cit | ty: | | | | | | | ļ | | | | | | | | | |
| Project Name: | TUNNEX B #11 19 | | | | | | | St | ate: | | | Zip: | | | | | | | | | | | | | ļ |
| Project Location | | | | | | | | Ph | one | #: | | | | | | 1 | | | | | | | | | |
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| FOR LAB USE ONLY | | I . | | | M | ATR | X | | PRE | ESE | RV. | SAMPLI | NG |] | |] | | | | | | | | | |
| Lab I.D. H30265 5 | Sample I.D. | புடு(G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SUL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | Chlow Lar | TPS | RTex | | | | | | | | | |
| 1 | SPI Simplice | G | 12 | | | Λ | | | | \mathcal{V} | | 10/31 | | | 11 | | / | | | | | | | | |
| 2 | SPI Surface SPZ Surface | ថ | 1 | | 1 | | | | | | | 16/31 | | r | 1 | | | | | | | | | | |
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be trable for incidental or consequental 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: | Date: | Received By: | ,] | | Phone Result: | Yes | D No | Add'l Phone #: | |
|------------------------------|----------|--------------|--------------|-------------|---------------|-------|------|----------------|--|
| | 10/31/13 | Ind. | h. | | Fax Result: | 🗆 Yes | D No | Add'l Fax #: | |
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| L | | V C. 14 | No No | | | | | | |
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| | 101 East Marland, Hobbs, NM (575) 393-2326 FAX (575) 393 | | | |
|------------------------------|--|---|--|--|
| Company Name | | | <i>B//LTO</i> | ANALYSIS REQUEST |
| Project Manage | ": Brian wall | • | P.O. #: | |
| Address: | | | Company: | |
| City: | State: | Zip: | Attn: | |
| Phone #: | Fax #: | | Address: | |
| Project #: | Project O | wner: | City: | |
| Project Name: | | | State: Zip: | |
| Project Locatio | | | Phone #: | |
| Sampler Name: | MOUNI Games | 2 | Fax #: | |
| FOR LAB USE ONLY | | MATR | NX PRESERV. SAMPLING | |
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| | | ATE (C) | | |
| Lab I.D. | Sample I.D. | B OR NDW | | |
| 1/200711 | · · · · · · · · · · · · · · · · · · · | (G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL | OIL SLUDGE ACID/BASE ACID/BASE INT ACID/BASE ACID/BASE | |
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| PLEASE NOTE: Liability a | nd Damanes, Cardinate linkilly and client's evolutive terms | arty for any claim aris by whether based in a | contract or tort, shafl be limited to the amount paid by the client for th | |
| analyses. All claims includi | ing those for negligence and any other cause whatsoever a | thall be deemed walved unless made in wri | uptions, loss of use, or loss of profils incurred by client, its subsidiarie | e applicable |
| | ing out of or related to the performance of services hereund | | th claim is based upon any of the above stated reasons or otherwise. | |
| Alla | | 15 101 | Fay Result | : 🗆 Yes 🗆 No 🛛 Add'I Fax #: |
| MIQUI | bromer Times | ZOWER | HENDON REMARKS: | |
| Relinquished B | y: Date: | Redeived By: | BW | rall@Linnenergy.com Hh@dlversifiedfst.com |
| | Time: | | 10 | |
| Delivered By | : (Circle One) | Sample Co | ondition CHECKEDBY: AKU | 1th Odiversitied tst. com |
| Sampler - UPS | - Bus - Other: | 5.8°C Dres No | res (Mittels) No | |
| † Cardinal | cannot accept verbal changes. P | lease fax written change | es to (575) 393-3426 | |

Appendix VI

FINAL FORM C-141

Diversified Field Service, Inc. 3412 N. Dal Paso Hobbs, NM 88240 (575) 964-8394 ٥

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

| OPERATOR | Initial Report | 🛛 Final Report |
|---------------------------------|---|---------------------|
| Contact: Brian Wall | | |
| Telephone No. 575-738-1739 | | |
| Facility Type: Produced Water I | njection System | |
| | Contact: Brian Wall Telephone No. 575-738-1739 | Contact: Brian Wall |

Surface Owner BLM

Mineral Owner BLM

API No. LC-029395-B

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County Eddy |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|-------------|
| • | 20 | 175 | 31E | 1980 | N | 600 | East | |
| | | | | | | | | |

Latitude 32.821955 Longitude -103.885953

NATURE OF RELEASE

| Type of Release: Produced Water | Volume of Release 5 bbis | Volume Re | ecovered 0 | | | | |
|---|---|-------------------|--|--|--|--|--|
| Source of Release Line Leak | Date and Hour of Occurrence 09/23/11 – 3:00 P.M. | | Date and Hour of Discovery 09/23/11 3:30 P.M. | | | | |
| Was Immediate Notice Given? | If YES, To Whom? | | | | | | |
| 🛛 Yes 🔲 No 🔲 Not Required | | | | | | | |
| By Whom? | Date and Hour 09-06-11 9:00 A. | M. | | | | | |
| Was a Watercourse Reached? | If YES, Volume Impacting the V | atercourse. | | | | | |
| If a Watercourse was Impacted, Describe Fully.* | | | | | | | |
| NA | | | | | | | |
| | | | | | | | |
| | | RECEIN | /ED | | | | |
| Describe Cause of Problem and Remedial Action Taken.* | | | | | | | |
| Thread Joint worn out and casing burned line to leak. The system was sh | ut in and the line repaired. | MAR 27 | 2014 | | | | |
| | N | | TESIA | | | | |
| Describe Area Affected and Cleanup Action Taken.* | | | | | | | |
| The affected area was approximately a 20 square foot area with an estimately area with an estimately area with an estimately area with an estimately area with area | ated 3-4 ft. vertical. DFSI was retain | ed for the reme | diation of this leak site. All | | | | |
| Impacted soils were removed to an NMOCD approved facility. Pasture a | area was restored to its natural state | iccording to BL | .M guidelines. | | | | |
| | | | | | | | |
| I hereby certify that the information given above is true and complete to | the best of my knowledge and under | stand that pursu | ant to NMOCD rules and | | | | |
| regulations all operators are required to report and/or file certain release | notifications and perform corrective | actions for rele | ases which may endanger | | | | |
| public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia | the NMOCD marked as "Final Report | " does not relie | eve the operator of liability | | | | |
| or the environment. In addition, NMOCD acceptance of a C-141 report of | does not relieve the operator of respo | onsibility for co | mpliance with any other | | | | |
| federal, state, or local laws and/or regulations. | | | | | | | |
| | OIL CONSEI | VATION | DIVISION | | | | |
| Signature: | | | | | | | |
| Signature. | | 1. | | | | | |
| Printed Name: Brian Wall | Approved by Environmental Specia | llist: | | | | | |
| Title: Construction Foreman II | Approval Date: | Expiration E | Date: | | | | |
| | | | | | | | |
| E-mail Address: bwall@linnenergy.com | Conditions of Approval: | | Attached 🔲 | | | | |
| Date: Phone: | | | | | | | |

Attach Additional Sheets If Necessary

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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

| | | | Rel | ease Notific | cation | and Co | orrective A | ction | |
|---|---|---|---|--|-------------------------------------|---|--|--|---|
| | | | | | | OPERA | FOR | Init | ial Report 🛛 Final Report |
| Name of Co | | | | | | Contact: Br | | | |
| Address: 21 | | and the second se | | | | | No. 575-738-17 | | |
| Facility Nat | ne: Turner | B North #1 | 1 injectio | on line |] | Facility Typ | e: Produced Wa | ater Injection Sy | stem |
| Surface Ow | ner BLM | | | Mineral C |)wner B | LM | | API N | o. LC-029395-B |
| | | | | LOCA | ATION | OF REI | LEASE | | |
| Unit Letter | Section 20 | Township 17S | Range 31E | Feet from the 1980 | North/ N | South Line | Feet from the 600 | East/West Line East | County Eddy |
| | | | | | | - | -103.885953 | / | · |
| | | | | NAT | URE | OF REL | | | |
| Type of Rele Source of Re | | | | <u> </u> | | | Release 5 bbls | | Recovered 0 |
| | | | | | | 09/23/11 - | four of Occurrence 3:00 P.M. | | Hour of Discovery 3:30 P.M. |
| Was Immedia | ate Notice (| | Yes 🗌 | No 🗌 Not Ro | equired | If YES, To T. Gregsto | | Bratcher NMOC | D |
| By Whom? | | | | | | Date and I- | lour 09-06-11 9:0 | 0 A.M. | ······································ |
| Was a Water | course Read | hed? | Yes 🛛 | No | | If YES, Vo | lume Impacting t | he Watercourse. | |
| Describe Cau Thread Joint | | | | n Taken.* leak. The system | was shut | in and the li | ne repaired. | | |
| | area was ap | proximately a | 20 square | | | | | | nediation of this leak site. All BLM guidelines. |
| regulations al public health should their o | l operators : or the envir perations ha ment. In a | are required to conment. The ave failed to a ddition, NMO | o report ar acceptanc idequately ICD accep | nd/or file certain r e of a C-141 repo investigate and r | elease no ort by the emediate | tifications a NMOCD m contaminati | nd perform correct arked as "Final R on that pose a thr e the operator of | tive actions for re eport" does not re eat to ground wat responsibility for | rsuant to NMOCD rules and leases which may endanger lieve the operator of liability er, surface water, human health compliance with any other |
| Signature: | T. | N | | | | | <u>OIL CON</u> | SERVATION | <u>I DIVISION</u> |
| Printed Name | : Brian Wal | 11 | | | | Approved by | Environmental S | pecialist: | |
| Title: Constru | ction Foren | nan II | | | | Approval Dat | e: | Expiration | Date: |
| E-mail Addre | ss: bwall@l | linnenergy.co | m | | (| Conditions of | Approval: | | Attached |
| Date: | | | Phone: | | | | | | |

* Attach Additional Sheets If Necessary