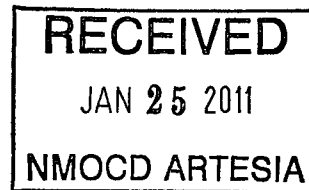




January 13, 2011



AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

MIDLAND
2901 State Highway 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88241
Phone 505.393.4261
Fax 505.393.4658

ARTESIA
408 W. Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 505.746.8905

NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

Attention: Mr. Mike Bratcher

Subject: **Soil Assessment Results and Remediation Work Plan**
Linn Energy, LLC
Turner B No.104 Location

Dear Mr. Bratcher,

Linn Energy, LLC has retained Talon/LPE (Talon) to perform soil assessment and remediation services for the release at the referenced Turner B No. 104 Location. Results of the completed soil assessment and our proposed remediation work plan are presented herein.

Background Information

The Turner B No. 104 location is located approximately thirty-one (31) miles East of Artesia, New Mexico. The legal location for the site is Section 20, Township 17 South and Range 31 East in Eddy County, New Mexico. The site latitude is North 32.82772 and West -103.89605.

The site lies on undulating plains and low hills consisting of wind-worked sandy deposits. Drainage courses in this area are normally dry. The local surface and shallow geology includes silty soils underlain by sandstone and clay layers, providing an impermeable barrier to the migration of fluids in the area of the release. The New Mexico State Engineer Database indicates the nearest groundwater data to be in S12-T16S-R31 East. The groundwater in Section 12 is reported to be at an average depth of 288-feet below ground surface (bgs).

The ranking for this site is 0 based on the following:

Depth to groundwater	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On September 17, 2010 the flow line valve was accidentally closed causing the well pressure to increase and to blow out the stuffing box. The well was subsequently shut in and the packing was repaired. Approximately eight (8) barrels of oil and water were released onto the location and the two-track road located south of the location. A vacuum truck and backhoe were brought to the site. Seven (7) barrels of oil and produced water were recovered. The visually impacted soil on the location was excavated and stockpiled on liner material.

The impacted area on location is estimated to be eight-feet (8') wide by ninety-feet (90') long. The affected area on the two-track road is one to two feet (1-2') wide by one hundred fifty feet (150') in length.

Sampling Activities and Laboratory Analytical Results

On September 20, 2010 Talon personnel mobilized to the site and began assessment and sampling activities for the construction of a work plan. Grab soil samples were collected from three locations at the surface of the impacted areas. Soil sample one (S-1) was collected from the impacted area on location; soil samples two and three (S-2 and S-3) were collected from the off location flow path. All soil samples were collected using clean nitrile gloves, placed into laboratory provided glassware, iced and delivered to Cardinal Laboratories of Hobbs, New Mexico. The samples were analyzed pursuant to EPA Test Methods 8021B for BTEX; test method 8015M for TPH; and SM4500Cl-B for Chlorides. The complete laboratory report is attached in Appendix II.

On September 28, 2010 Talon personnel returned to the site with a backhoe to obtain samples for vertical delineation purposes. Test pits were excavated at the locations previously sampled. Samples were obtained at depths ranging from 1-foot to nine feet (1'-9') deep. All soil samples were collected using clean nitrile gloves, placed into laboratory provided glassware, iced and delivered to Cardinal Laboratories of Hobbs, New Mexico. The samples were analyzed pursuant to EPA Test Methods 8021B for BTEX; test method 8015M for TPH; and SM4500Cl-B for Chlorides. The complete laboratory report is appended hereto and summarized on the following table.

<u>Sample Location, depth (feet)</u>	<u>BTEX</u>	<u>TPH</u>	<u>Chlorides (mg/kg)</u>
S-1, 0' bgs	78.37	20,196	13,200 mg/kg
S-2, 1'	<50	ND	-
S-1, 3'	ND*	ND	2,720
S-1, 6'	- **	-	3,040

<u>Sample Location (feet)</u>	<u>BTEX</u>	<u>TPH</u>	<u>Chlorides (mg/kg)</u>
S-2, 0' bgs	93.98	19,250	48 mg/kg
S-2, 1'	<50	27.1	ND
S-2, 3'	ND	ND	48
S-2, 6'	ND	ND	ND
S-2, 9'	-	-	32
S-3, 0'	ND	3,020	96
S-3, 3'	-	-	48

*ND: Not Detected within laboratory method detection limits.

** Analyte not tested.

Summary and Conclusions

- Groundwater depth in the project vicinity is greater than 200-feet below land surface per the New Mexico State Engineer Database.
- Analytical results indicate that BTEX and TPH exceed the Recommended Remedial Action Level (RRAL) only at land surface within the impacted area. BTEX and TPH do not exceed their RRAL's at depths greater than 1-foot deep at all three locations sampled.
- Analytical results indicate that Chlorides above background levels were detected at depth only at sample S-1, which is on the well location. This may indicate possible historic chloride impacts on location.

Proposed Remedial Actions

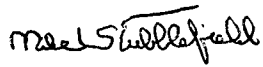
- Linn Energy requests permission to treat the impacted areas with dairy farm provided manure fertilizer, and then aerate the treated soil utilizing tiller-blade techniques.
- Confirmation soil samples will be collected and analyzed from the treated area to determine the effectiveness of the nitrogen application in forty-five to sixty (45-60) days.

- Sampling and treatment will continue as previously described until analytical results indicate that BTEX and TPH levels have been corrected to their acceptable RRAL's.
- A final closure report for this release will be provided to the NMOCD that contains details of all remedial actions taken, laboratory reports and Form C-141.

If we can be of further assistance or provide additional information, please do not hesitate to contact us at 575.746.8768.

Respectfully submitted,

TALON/LPE



Mike Stubblefield
Project Manager



David J. Adkins
District Manager

APPENDIX I

STATE GROUNDWATER DATA

FORM C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(In feet)

POD Number	Sub basin	Use	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 03435 APPRO	PRO	LE		1	1	05	16S	31E		602954	3646955*			
L 04671	PRO	LE		1	1	2	12	16S	31E	610114	3645538*	340	288	52
L 04671 APPRO	PRO	LE		1	1	2	12	16S	31E	610114	3645538*	340	288	52
L 10203	STK	LE		4	4	2	14	16S	31E	609130	3643310*	310		
L 10206	STK	LE		2	2	23	16S	31E		609045	3642204*	280		

Average Depth to Water: 288 feet

Minimum Depth: 288 feet

Maximum Depth: 288 feet

Record Count: 5

PLSS Search:

Township: 16S

Range: 31E

*UTM location was derived from PLSS - see Help

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.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Linn Operating	Contact Dennis Potter	
Address 13694 Lovington Hwy. Loco Hills, N.M. 88255	Telephone No. 505-206-7673	
Facility Name Turner B #104	Facility Type Producing well	
Surface Owner B.L.M.	Mineral Owner Fed. Gov't.	Lease No. NMLCD 29395B API # 3001526696

LOCATION OF RELEASE

Unit Letter	Section 20	Township 17S	Range 31E	Feet from the	North/South Line 160' FSL	Feet from the	East/West Line 1370' FWL	County EDDY
-------------	---------------	-----------------	--------------	---------------	------------------------------	---------------	-----------------------------	----------------

Latitude 37.82772 Longitude 103.89605

NATURE OF RELEASE

Type of Release OIL & WATER	Volume of Release 8 BBLS	Volume Recovered 7 BBLS
Source of Release PRODUCING WELL	Date and Hour of Occurrence 9/17/10 3:00am	Date and Hour of Discovery 9/17/10 8:00am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Terry Gregston	
By Whom? Dennis Potter	Date and Hour 9/17/10 9:00am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RECEIVED

DEC 27 2010

NMOCD ARTESIA

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The flow line valve somehow was shut during the night causing the well to pressure up and blow out the stuffing box. Approx. 8 bbls. total fluid was released. I immediately called a vacuum truck to pick up fluids and a backhoe to pick up contaminated soil. Immediately following this I notified our office and called the BLM office.

Describe Area Affected and Cleanup Action Taken.*

affected area was the location and a small amount had run off the pad. The fluid was picked up and the contaminated soil was also picked up and placed onto some plastic. Talon LPE was called to come out to get soil samples and they were sent to cardinal labs. Further soil remediation will be determined after tests results are received.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:

Approved by District Supervisor:

Printed Name: Dennis J. Potter

Title: Production Specialist / Asst. Production Foreman

Approval Date:

Expiration Date:

E-mail Address: dnpotter@linnenergy.com

Conditions of Approval:

Attached ☐

APPENDIX II

LABORATORY ANALYTICAL REPORT

September 27, 2010

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURNER B #104

Enclosed are the results of analyses for samples received by the laboratory on 09/20/10 15:28.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

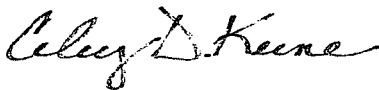
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/20/2010
 Reported: 09/27/2010
 Project Name: TURNER B #104
 Project Number: NONE GIVEN
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/20/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 1 (H020889-01)

BTEX 8021B			mg/kg		Analyzed By: cms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.325	0.250	09/20/2010	ND	1.02	102	1.00	3.57	
Toluene*	6.55	0.250	09/20/2010	ND	1.12	112	1.00	4.42	
Ethylbenzene*	20.4	0.250	09/20/2010	ND	1.13	113	1.00	2.83	
Total Xylenes*	51.1	0.750	09/20/2010	ND	3.36	112	3.00	3.77	

Surrogate: 4-Bromofluorobenzene (PIL) 91.1 % 80-120

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	09/21/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	696	100	09/25/2010	ND	168	83.9	200	6.68	
DRO >C10-C28	19500	100	09/25/2010	ND	191	95.6	200	8.79	


Surrogate: 1-Chlorooctane 14.8 % 70-130

Surrogate: 1-Chlorooctadecane 15.7 % 70-130

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/20/2010
 Reported: 09/27/2010
 Project Name: TURNER B #104
 Project Number: NONE GIVEN
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/20/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S - 2 (H020889-02)

BTEx 8021B		mg/kg	Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.250	0.250	09/20/2010	ND	1.02	102	1.00	3.57	
Toluene*	4.28	0.250	09/20/2010	ND	1.12	112	1.00	4.42	
Ethylbenzene*	25.3	0.250	09/20/2010	ND	1.13	113	1.00	2.83	
Total Xylenes*	64.4	0.750	09/20/2010	ND	3.36	112	3.00	3.77	

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 80-120

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/21/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg	Analyzed By: AB					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1450	100	09/25/2010	ND	168	83.9	200	6.68	
DRO >C10-C28	17800	100	09/25/2010	ND	191	95.6	200	8.79	

Surrogate: 1-Chlorooctane 21.1 % 70-130

Surrogate: 1-Chlorooctadecane 14.4 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 09/20/2010
Reported: 09/27/2010
Project Name: TURNER B #104
Project Number: NONE GIVEN
Project Location: UT N SEC. 17-37S-31E

Sampling Date: 09/20/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S - 3 (H020889-03)

BTEX 8021B		mg/kg		Analyzed By: cms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	09/20/2010	ND	1.02	102	1.00	3.57	
Toluene*	<0.025	0.025	09/20/2010	ND	1.12	112	1.00	4.42	
Ethylbenzene*	<0.025	0.025	09/20/2010	ND	1.13	113	1.00	2.83	
Total Xylenes*	<0.075	0.075	09/20/2010	ND	3.36	112	3.00	3.77	

Surrogate: 4-Bromofluorobenzene (PIL) 97.8 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/21/2010	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/25/2010	ND	168	83.9	200	6.68	
DRO >C10-C28	3020	10.0	09/25/2010	ND	191	95.6	200	8.79	

Surrogate: 1-Chlorooctane 88.3 % 70-130

Surrogate: 1-Chlorooctadecane 89.8 % 70-130

Cardinal Laboratories

*=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.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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



Page 6 of 6

October 05, 2010

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURNER B #104

Enclosed are the results of analyses for samples received by the laboratory on 09/29/10 11:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/29/2010
 Reported: 10/05/2010
 Project Name: TURNER B #104
 Project Number: 700813.002.01
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/28/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 001 5 - 1 1' BGS (H020943-01)

BTEx 8021B		mg/kg	Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	09/30/2010	ND	1.74	87.2	2.00		
Toluene*	<0.025	0.025	09/30/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	<0.025	0.025	09/30/2010	ND	2.05	102	2.00		
Total Xylenes*	0.098	0.075	09/30/2010	ND	6.20	103	6.00		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 80-120

TPH 8015M		mg/kg	Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/01/2010	ND	186	93.1	200	6.49	
DRO >C10-C28	<10.0	10.0	10/01/2010	ND	199	99.6	200	15.1	

Surrogate: 1-Chlorooctane 80.2 % 70-130

Surrogate: 1-Chlorooctadecane 83.1 % 70-130

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/29/2010
 Reported: 10/05/2010
 Project Name: TURNER B #104
 Project Number: 700813.002.01
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/28/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 002 5 - 1 3' BGS (H020943-02)

BTX 8021B		mg/kg		Analyzed By: cms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	09/30/2010	ND	1.74	87.2	2.00		
Toluene*	<0.025	0.025	09/30/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	<0.025	0.025	09/30/2010	ND	2.05	102	2.00		
Total Xylenes*	<0.075	0.075	09/30/2010	ND	6.20	103	6.00		

Surrogate: 4-Bromofluorobenzene (PIL) 99.8 % 80-120

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	09/30/2010	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/01/2010	ND	186	93.1	200	6.49	
DRO >C10-C28	<10.0	10.0	10/01/2010	ND	199	99.6	200	15.1	

Surrogate: 1-Chlorooctane 87.0 % 70-130

Surrogate: 1-Chlorooctadecane 91.0 % 70-130


Sample ID: 003 5 - 1 6' BGS (H020943-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	09/30/2010	ND	400	100	400	7.69	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 09/29/2010
Reported: 10/05/2010
Project Name: TURNER B #104
Project Number: 700813.002.01
Project Location: UT N SEC. 17-37S-31E

Sampling Date: 09/28/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 004 5 - 2 1' BGS (H020943-04)

BTEX 8021B		mg/kg		Analyzed By: cms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	09/30/2010	ND	1.74	87.2	2.00		
Toluene*	<0.025	0.025	09/30/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	0.172	0.025	09/30/2010	ND	2.05	102	2.00		
Total Xylenes*	0.395	0.075	09/30/2010	ND	6.20	103	6.00		

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/01/2010	ND	186	93.1	200	6.49	
DRO >C10-C28	27.1	10.0	10/01/2010	ND	199	99.6	200	15.1	

Surrogate: 1-Chlorooctane 86.1 % 70-130

Surrogate: 1-Chlorooctadecane 86.7 % 70-130

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/29/2010
 Reported: 10/05/2010
 Project Name: TURNER B #104
 Project Number: 700813.002.01
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/28/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 005 5 - 2 3' BGS (H020943-05)

BTEX 8021B		mg/kg		Analyzed By: cms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	09/30/2010	ND	1.74	87.2	2.00			
Toluene*	<0.025	0.025	09/30/2010	ND	2.00	99.8	2.00			
Ethylbenzene*	<0.025	0.025	09/30/2010	ND	2.05	102	2.00			
Total Xylenes*	<0.075	0.075	09/30/2010	ND	6.20	103	6.00			

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	10/01/2010	ND	186	93.1	200	6.49		
DRO >C10-C28	<10.0	10.0	10/01/2010	ND	199	99.6	200	15.1		

Surrogate: 1-Chlorooctane 91.4 % 70-130

Surrogate: 1-Chlorooctadecane 93.7 % 70-130

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Celest D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 09/29/2010
 Reported: 10/05/2010
 Project Name: TURNER B #104
 Project Number: 700813.002.01
 Project Location: UT N SEC. 17-37S-31E

 Sampling Date: 09/28/2010
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: 006 5 - 2 6' BGS (H020943-06)

BTEX 8021B		mg/kg		Analyzed By: cms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	09/30/2010	ND	1.74	87.2	2.00		
Toluene*	<0.025	0.025	09/30/2010	ND	2.00	99.8	2.00		
Ethylbenzene*	<0.025	0.025	09/30/2010	ND	2.05	102	2.00		
Total Xylenes*	<0.075	0.075	09/30/2010	ND	6.20	103	6.00		

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 80-120

TPH 8015M		mg/kg		Analyzed By: AB					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/01/2010	ND	186	93.1	200	6.49	
DRO >C10-C28	<10.0	10.0	10/01/2010	ND	199	99.6	200	15.1	

Surrogate: 1-Chlorooctane 80.7 % 70-130

Surrogate: 1-Chlorooctadecane 82.1 % 70-130

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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

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Celey D. Keene, Lab Director/Quality Manager



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October 12, 2010

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURNER B #104

Enclosed are the results of analyses for samples received by the laboratory on 09/29/10 11:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 09/29/2010
Reported: 10/12/2010
Project Name: TURNER B #104
Project Number: 700813.002.01
Project Location: UT N SEC. 17-37S-31E

Sampling Date: 09/28/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: 004 5 - 2 1' BGS (H020943-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2010	ND	432	108	400	3.77	

Sample ID: 005 5 - 2 3' BGS (H020943-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/12/2010	ND	432	108	400	3.77	

Sample ID: 006 5 - 2 6' BGS (H020943-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/12/2010	ND	432	108	400	3.77	

Sample ID: 007 5 - 2 9' BGS (H020943-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/12/2010	ND	432	108	400	3.77		

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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



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Company Name: <u>Talon / CPE</u>		ANALYSIS REQUEST	
Project Manager: <u>Mike Stubblied</u>		P.O. #:	
Address: <u>408 W. Tera Ave.</u>		Company: <u>Linn Operator</u>	
City: <u>Artista</u>	State: <u>NM</u> Zip: <u>88210</u>	Attn: <u>Albert Velero</u>	
Phone #: <u>575-746-8769</u>	Fax #: <u>575-746-8905</u>	Address: <u>P.O. 13870</u>	
Project #: <u>700813, 002.01</u>	Project Owner: <u>Linn</u>	City: <u>O</u>	
Project Name: <u>Turner B & 104</u>		State: Zip:	
Project Location: <u>Sec. 1</u>		Phone #:	
Sampler Name: <u>Mike Stubblied</u>		Fax #:	

Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	TPH 8015	BTEX-8004	Total Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
H20943	0015.1 1' bgs	G												9/22/2010	8:55A			
2	0025.1 3' bgs	G												9/28/2010	8:59A			
3	0035.1 6' bgs	G												9/28/2010	9:09A			
4	0045.2 1' bgs	G												9/28/2010	9:25A			
5	0055.2 3' bgs	G												9/28/2010	9:30A			
6	0065.2 6' bgs	G												9/28/2010	9:57A			
7	0075.2 9' bgs	G												9/29/2010	9:50A			
	0085.3 1' bgs	G												9/29/2010	10:45A			
	0095.3 3' bgs	G												9/29/2010	10:45A			
	0105.3 6' bgs	G												9/29/2010	10:45A			

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Relinquished By: <u>Mike Stubblied</u>	Date: <u>9/29/2010</u>	Received By: <u>Jodi Benson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>Jodi Benson</u>	Date: <u>9/29/10</u>	Received By: <u>Jodi Benson</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)	Time: <u>11:00 AM</u>	Time: <u>11:00</u>	REMARKS: <u>Hold #7 for results.</u>	
Sampler - UPS - Bus - Other:	Time: <u>11:00</u>	Time: <u>11:00</u>	Chloride #4-7 added as per Mike 10/11/10	
Sample Condition	Time: <u>11:00</u>	Time: <u>11:00</u>	Ch.	
Cool Intact	Time: <u>11:00</u>	Time: <u>11:00</u>		
<input type="checkbox"/> Yes <input type="checkbox"/> No	Time: <u>11:00</u>	Time: <u>11:00</u>		
<input type="checkbox"/> Yes <input type="checkbox"/> No	Time: <u>11:00</u>	Time: <u>11:00</u>		
CHECKED BY: <u>JH</u>	Time: <u>11:00</u>	Time: <u>11:00</u>		
Initials:	Time: <u>11:00</u>	Time: <u>11:00</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

#26

October 18, 2010

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: TURNER B #104

Enclosed are the results of analyses for samples received by the laboratory on 10/15/10 15:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

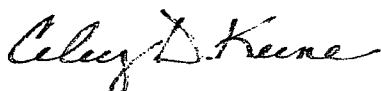
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (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:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 10/15/2010
Reported: 10/18/2010
Project Name: TURNER B #104
Project Number: 700813.002.01
Project Location: UT N SEC. 17-37S-31E

Sampling Date: 09/28/2010
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

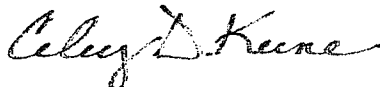
Sample ID: 009 5 - 3 3' BGS (H021078-01)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2010	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

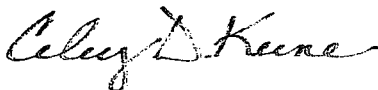
Notes and Definitions

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

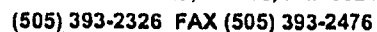
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Celey D. Keene, Lab Director/Quality Manager



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