



RECEIVED

By OCD; Dr. Oberding at 12:08 pm, May 26, 2015

May 14, 2015

Mr. Tomas Oberding
NMOCD District I
1625 N. French Dr.
Hobbs, NM 88240

APPROVED

By OCD; Dr. Oberding at 12:08 pm, May 26, 2015

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

Subject: **Remedial Activities and Closure Report**
Legacy Reserves Operating, LP
Drickey Queen Sand Unit No. 23
API #: 30-005-00972
1RP-06-14-3117

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

Dear Dr. Oberding,

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

Legacy Reserves (Legacy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our remediation activities and closure request are submitted herein.

Incident Date

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

June 4, 2014

Background Information

OKLAHOMA CITY
7700 North Hudson Avenue
Suite 10
Oklahoma City, Oklahoma 73116
Phone 405.486.7030
Fax 806.467.0622

The Drickey Queen Sand Unit No. 23 is located approximately twenty-one (21) miles northwest of Maljamar in Chaves County, New Mexico. The legal location for this site is Section 3, Township 14 South, and Range 31 East. More specifically the latitude and longitude for the release are 33.126722 North and -103.816024 West. A site plan is presented in [Appendix I](#).

SAN ANTONIO
13111 Lookout Way
San Antonio, Texas 78233
Phone 210.265.8025
Fax 210.568.2191

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Service, the soil in this area is made up of Ima fine sandy loam. The local surface and shallow geology, Quaternary Age sedimentary deposits within in the Ogallala Formation, is comprised of mixed alluvium and alkaline fine sandy loamy eolian deposits derived from sedimentary rock and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer's web site indicates the nearest ground water data to be in S34-T13S-R31E. The ground water in Section 34 is reported to be a depth of 90-feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater data.

The ranking for this site is **10** based on the following:

ENVIRONMENTAL CONSULTING	Depth to ground water	50'-100'
ENGINEERING	Wellhead Protection Area	>1000'
DRILLING	Distance to surface water body	>1000'
CONSTRUCTION		
SPILL MANAGEMENT		
GENERAL CONTRACTING		

Incident Description

On June 5, 2014 a flow line leak was discovered, the amount of the mixed fluids released was unknown. All wells were shut in and the flow line was repaired. The flow path ranged from 1-4 feet wide and traveled through a small ravine stopping approximately 500-feet south of the release point. The overspray area measured approximately 150-feet by 100-feet. A site plan is provided for reference.

Laboratory Results

See [Appendix III](#) for complete report of laboratory results.

June 16, 2014

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0'	<0.300	96	<10	343
S-1	0.25'	<0.300	<16	<10	<10
S-2	0'	25.6	11400	545	3820
S-2	0.5'	<1.2	5700	20.6	145
S-2	1'	<0.300	448	<10	<10
S-3	0'	29.0	12600	702	3460
S-3	0.5'	<0.300	688	<10	<10
S-3	1'	<0.300	112	<10	<10
S-4	0'	<0.300	<16	<10	<10
S-5	0'	<0.300	80	<10	<10
S-5	0.5'	<0.300	80	<10	53.3
S-6	0'	0.669	41200	<200	14800
S-6	0.25'	<0.300	7100	<10	21.4
S-6	1'	<0.300	192	<10	<10
S-6	2'	<0.300	160	<10	<10

Based upon the site ranking of **10**, NMOCD Recommended Remedial Action Levels (RRAL's) are 50 mg/kg for BTEX, 10 mg for Benzene, and 1,000 mg/kg for TPH. The chloride remediation standard is considered to be 1,000 mg/kg.

Remedial Actions

- The impacted area in the vicinity of sample location S-2 and S-6 was excavated to a depth of 1-foot bgs.
- The impacted area in the vicinity of sample location S-3 was excavated to a depth of 0.5-foot bgs.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- The excavation was backfilled and contoured to match the surrounding terrain.
- The backfilled area was seeded with BLM Lesser Prairie Chicken seed mix.

Closure

On behalf of Legacy Reserves Operating LP, we respectfully request that no further actions be required and that closure with regard to this release be granted.

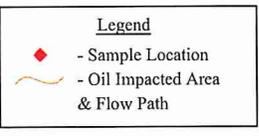
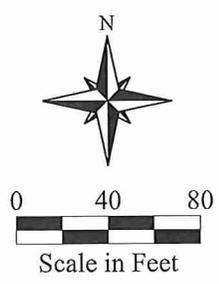
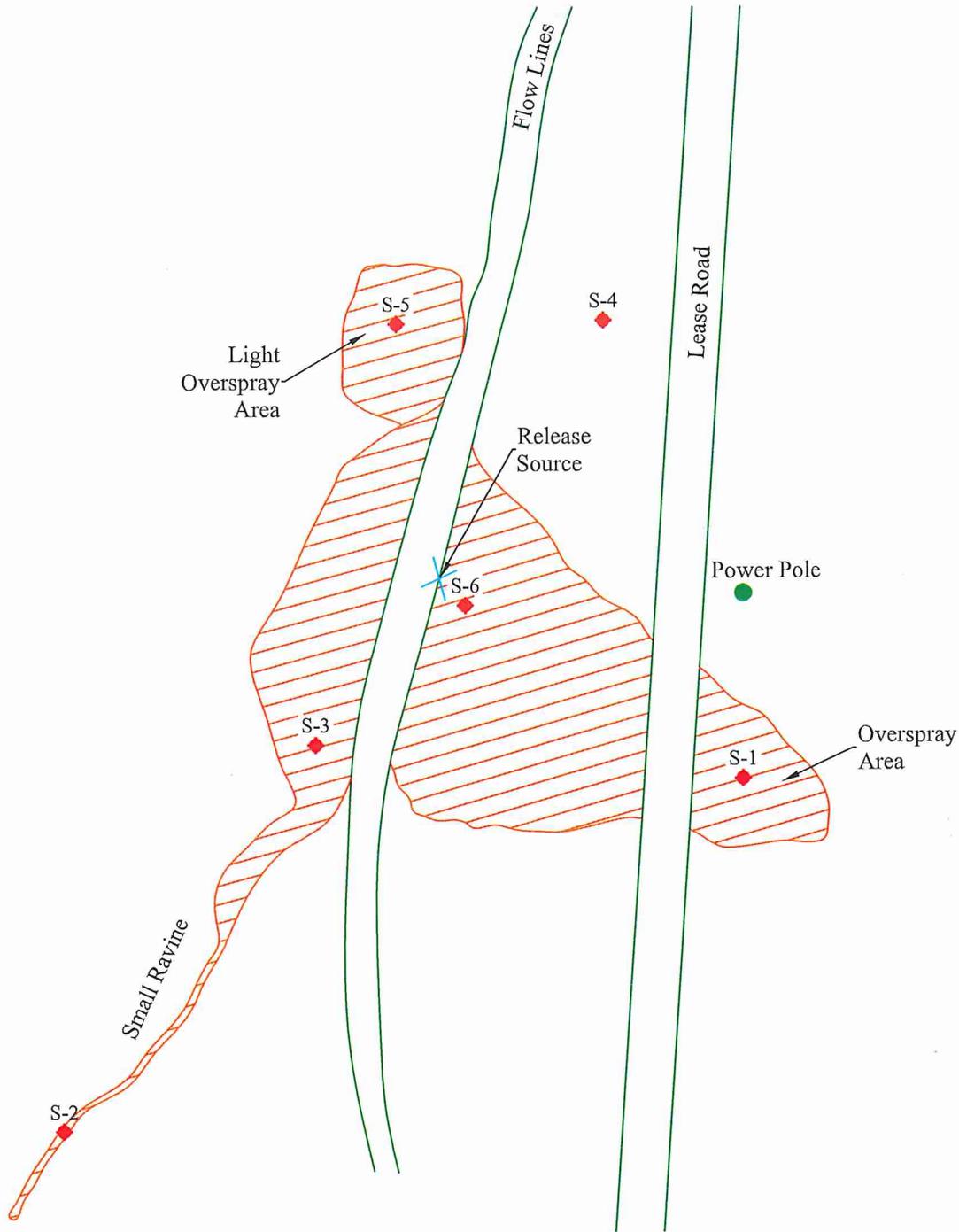
If we can provide additional information or be of further assistance, please contact our office at (575)-746-8768.

Respectfully submitted,
TALON/LPE


Sheldon Hitchcock
Project Manager


David J. Adkins
District Manager

SITE PLAN



Date: 08/20/2014
 Scale: 1" = 80'
 Drawn By: TJS

Drickey Queen Sand Unit #23
 Legacy Reserves Operating, LP
 Chaves County, New Mexico
 Figure 1 - Site Plan

GROUNDWATER DATA

INITIAL C-141

&

FINIAL C-141



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

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

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11846 POD1			CH	2	4	2	34	13S	31E	611764	3668407	2927	375	90	285

Average Depth to Water: **90 feet**

Minimum Depth: **90 feet**

Maximum Depth: **90 feet**

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 610342

Northing (Y): 3665849

Radius: 3000

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 : Legacy Reserves Operating, LP	Contact : Freddie Gibbs
Address : PO Box 10848, Midland, TX 79702-7848	Telephone No. :
Facility Name : DRICKEY QUEEN #23	Facility Type: Oil Well

Surface Owner : BLM	Mineral Owner:	Lease No. : API #30-005-00972
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LOCATION OF RELEASE

Unit Letter M	Section 3	Township 14S	Range 31E	Feet from the 660'	North/South Line FSL	Feet from the 660'	East/West Line FWL	County: CHAVES
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Latitude 33.126722 N Longitude -103.816024 W

NATURE OF RELEASE

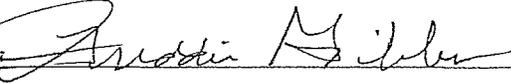
Type of Release : Produced Fluids	Volume of Release : Unknown	Volume Recovered: -0- bbls
Source of Release : Flow Line Leak	Date and Hour of Occurrence: 6/4/14 Unknown	Date and Hour of Discovery: 6/5/14
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM/Angel Mayes- left msg on voicemail, talked to BLM Rep AI & NMOCD/Geoffrey Leking	
By Whom? Kimberly M. Wilson with Talon/LPE	Date and Hour : 5/29/14 @ 8:50 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A flow line leak causing a release of unknown barrels of mixed fluids. All wells were shut in and the flow line was repaired. Talon/LPE was contacted for initial site assessment and to generate a work plan.

Describe Area Affected and Cleanup Action Taken.* The leak was discovered approximately 500' south of the location. Flow path was down the raven off the caprock approximately 900-feet long by 1-4 feet wide. The overspray area measured approximately 150-feet by 100-feet. Talon personnel mobilized to the location on 6/6/14.

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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Freddie Gibbs	Approved by District Supervisor:	
Title: Production Superintendent	Approval Date:	Expiration Date:
E-mail Address: fgibbs@legacylp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/6/2014 Phone: 432.211.6369		

* Attach Additional Sheets If Necessary

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 : Legacy Reserves Operating, LP	Contact : Freddie Gibbs
Address : PO Box 10848, Midland, TX 79702-7848	Telephone No. : 432-221-6369
Facility Name : DRICKEY QUEEN #23	Facility Type: Oil Well
Surface Owner : BLM	Mineral Owner: Federal
Lease No. : API #30-005-00972	

LOCATION OF RELEASE

Unit Letter M	Section 3	Township 14S	Range 31E	Feet from the 660'	North/South Line FSL	Feet from the 660'	East/West Line FWL	County: CHAVES
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Latitude 33.126722 N Longitude -103.816024 W

NATURE OF RELEASE

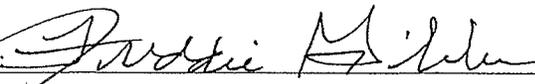
Type of Release : Produced Fluids	Volume of Release : Unknown	Volume Recovered: -0- bbls
Source of Release : Flow Line Leak	Date and Hour of Occurrence: 6/4/14 Unknown	Date and Hour of Discovery: 6/5/14
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM/Angel Mayes- left msg on voicemail, talked to BLM Rep Al & NMOCD/Geoffrey Leking	
By Whom? Kimberly M. Wilson with Talon/LPE	Date and Hour : 5/29/14 @ 8:50 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A flow line leak causing a release of unknown barrels of mixed fluids. All wells were shut in and the flow line was repaired. Talon/LPE was contacted for initial site assessment and to generate a work plan.

Describe Area Affected and Cleanup Action Taken.* The leak was discovered approximately 500' south of the location. The flow path was down a ravine approximately 900-feet long by 1-4 feet wide. The overspray area measured approximately 150-feet by 100-feet. Talon personnel mobilized to the location on 6/6/14 to conduct an initial site assessment and perform soil sampling within the impacted area. Upon receipt of analytical results from the soil sampling activities a work plan was generated and subsequently approved. Remedial activities took place within the impacted area to the scope of work laid out in the approved work plan and conforming to OCD stipulations. Once the remediation was complete the area was backfilled, contoured to match the surrounding terrain, and seeded with BLM LPC seed mixture.

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.

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Freddie Gibbs	Approved by District Supervisor:	
Title: Production Superintendent	Approval Date:	Expiration Date:
E-mail Address: fgibbs@legacylp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 5/14/2015 Phone: 432-221-6369		

* Attach Additional Sheets If Necessary

LABORATORY RESULTS



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 16, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DRICKEY QUEEN SAND UNIT #23

Enclosed are the results of analyses for samples received by the laboratory on 06/10/14 8:35.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0' (H401748-01)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	343	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 67.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.6 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-1 0.25' (H401748-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/12/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 71.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.2 % 63.6-154

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
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0' (H401748-03)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	2.04	0.200	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	5.80	0.200	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	17.8	0.600	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	25.6	1.20	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 216 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11400	16.0	06/13/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	545	200	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	3820	200	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 93.4 % 65.2-140
Surrogate: 1-Chlorooctadecane 124 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 TALON LPE
 DAVID ADKINS
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 0.5' (H401748-04)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.200	0.200	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	0.206	0.200	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.600	0.600	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<1.20	1.20	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5700	16.0	06/13/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	20.6	10.0	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	145	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 76.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.3 % 63.6-154

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Analytical Results For:

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

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-2 1.0' (H401748-05)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 71.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0' (H401748-06)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	3.13	0.200	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	6.60	0.200	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	19.2	0.600	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	29.0	1.20	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 214 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	06/13/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	702	200	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	3460	200	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 86.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 117 % 63.6-154

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Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 0.5' (H401748-07)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 69.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 78.4 % 63.6-154

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Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-3 1.0' (H401748-08)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 65.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.2 % 63.6-154

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Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-4 0' (H401748-09)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 75.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.6 % 63.6-154

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 408 W. TEXAS AVE.
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 Fax To: (575) 745-8905

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-5 0' (H401748-10)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 65.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 79.9 % 63.6-154

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 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-5 0.5' (H401748-11)

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	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	180	89.8	200	0.936	
DRO >C10-C28	53.3	10.0	06/13/2014	ND	175	87.5	200	3.58	

Surrogate: 1-Chlorooctane 70.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.3 % 63.6-154

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Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 0' (H401748-12)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2014	ND	2.04	102	2.00	0.302	
Toluene*	<0.050	0.050	06/12/2014	ND	2.23	112	2.00	0.275	
Ethylbenzene*	0.112	0.050	06/12/2014	ND	2.03	101	2.00	0.768	
Total Xylenes*	0.558	0.150	06/12/2014	ND	6.27	104	6.00	0.506	
Total BTEX	0.669	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	41200	16.0	06/13/2014	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<200	200	06/13/2014	ND	174	86.9	200	3.98		
DRO >C10-C28	14800	200	06/13/2014	ND	172	85.9	200	5.65		

Surrogate: 1-Chlorooctane 72.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 600 % 63.6-154

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Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 0.25' (H401748-13)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2014	ND	1.96	97.8	2.00	3.08	
Toluene*	<0.050	0.050	06/12/2014	ND	2.09	105	2.00	3.06	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	1.89	94.6	2.00	3.08	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	5.94	99.0	6.00	2.18	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7100	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	174	86.9	200	3.98	
DRO >C10-C28	21.4	10.0	06/13/2014	ND	172	85.9	200	5.65	

Surrogate: 1-Chlorooctane 70.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 80.6 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 1.0' (H401748-14)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2014	ND	1.96	97.8	2.00	3.08	
Toluene*	<0.050	0.050	06/12/2014	ND	2.09	105	2.00	3.06	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	1.89	94.6	2.00	3.08	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	5.94	99.0	6.00	2.18	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	174	86.9	200	3.98	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	172	85.9	200	5.65	

Surrogate: 1-Chlorooctane 70.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 85.4 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/10/2014	Sampling Date:	06/06/2014
Reported:	06/16/2014	Sampling Type:	Soil
Project Name:	DRICKEY QUEEN SAND UNIT #23	Sampling Condition:	Cool & Intact
Project Number:	701047.132.01	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: S-6 2.0' (H401748-15)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/12/2014	ND	1.96	97.8	2.00	3.08	
Toluene*	<0.050	0.050	06/12/2014	ND	2.09	105	2.00	3.06	
Ethylbenzene*	<0.050	0.050	06/12/2014	ND	1.89	94.6	2.00	3.08	
Total Xylenes*	<0.150	0.150	06/12/2014	ND	5.94	99.0	6.00	2.18	
Total BTEX	<0.300	0.300	06/12/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/13/2014	ND	400	100	400	7.69	

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	06/13/2014	ND	174	86.9	200	3.98	
DRO >C10-C28	<10.0	10.0	06/13/2014	ND	172	85.9	200	5.65	

Surrogate: 1-Chlorooctane 71.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 76.0 % 63.6-154

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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.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE		P.O. #:	
Project Manager:		Company: Talon/LPE	
Address: 408 W. Texas Ave.		Attn:	
City: Artesia	State: NM zip: 88210	Address:	
Phone #: 575-746-8768	Fax #: 575-746-8905	City:	
Project #: 701047.132.01	Project Owner:	State:	
Project Name: <u>DRICKBY Queen Sand</u>	Project # 23	Zip:	
Project Location:	Sample Name: <u>D. ADRIUS</u>	Phone #:	
FOR LAB USE ONLY		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
H01748	S-1	0'	5								6/6/14	2:50	TPH
	S-1	0.25'	5								6/6	2:55	BTEX
	S-2	0'	6								6/6	3:04	TOTAL CHLORIDES
	S-2	0.5'	6								6/6	3:05	
	S-2	1.0'	6								6/6	3:10	
	S-3	0'	6								6/6	3:15	
	S-3	0.5'	6								6/6	3:20	
	S-3	1.0'	6								6/6	3:25	

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Relinquished By: [Signature] Date: _____ Received By: [Signature] Date: _____
 Relinquished By: _____ Date: _____ Received By: _____ Date: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 4.80

Sample Condition: Intact Cool Yes No
 CHECKED BY: [Signature] (Initials) _____

REMARKS: _____

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

P. 1 of 2

* Cardinal cannot accept verbal changes. Please fax written changes to 575.393.2326



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: Talon/PE		P.O. #:		BILTO	
Project Manager:		Company: Talon/PE			
Address: 408 W. Texas Ave.		Attn:			
City: Artesia		Address:			
State: NM Zip: 88210		City:			
Phone #: 575-746-8768		State:			
Fax #: 575-746-8905		Zip:			
Project #: 701047.132.01		Project Owner:			
Project Name: Dickey Owen Sand Unit # 23		Project Location:			
Project Location: D. ADKINS		Sample Name:			
FOR LAB USE ONLY		Matrix:			
Lab I.D. Sample I.D.		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER:			
		ACID/BASE:			
		ICE / COOL			
		OTHER:			
		DATE			
		TIME			
4401748		(G)RAB OR (C)OMP.			
9		# CONTAINERS			
5-4		01		6/6/14 3:00pm	
10		5-1		6/6 3:45pm	
11		3-5		6/6 4:10	
12		5-6		6/6 4:15	
13		3-6		6/6 4:20	
14		5-6		6/6 4:30	
15		5-6		2.0 6-1	

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Relinquished By: [Signature] Date: [Blank] Time: [Blank] Received By: [Signature] Date: [Blank] Time: [Blank]

Relinquished By: [Signature] Date: [Blank] Time: [Blank] Received By: [Signature] Date: [Blank] Time: [Blank]

Retrieved By: (Circle One) [Signature] Date: [Blank] Time: [Blank] Sample Condition: Intact Cool Yes No

Sampler - UPS - Bus - Other: [Blank] Checked By: [Signature] Date: [Blank] Time: [Blank]

REMARKS: P. 2 of 2

SEEDING LABEL

Curtis and Curtis, Inc.

4500 North Prince,
Clovis, NM 88130
Phone: (575) 762-4759
www.curtisseed.com

4/24/15
XL

Talon / LPE, LTD
2 Acre LPC Mix

2 - 1 Acre Bag @ 40.30 Bulk Pounds Each

Job: Oxy Carper Johnson

Dorchester Green Rd #23

Lot#: M-12931

Item	Origin	Purity	Germ	Dormant	Total Germination	Test Date	Total PLS Pounds
Plains Bristlegrass VNS	Oklahoma	12.93%	15.00%	81.00%	96.00%	03/15	10.00
Sideoats Grama Vaughn	Texas	18.25%	53.00%	15.00%	68.00%	10/14	10.00
Little Bluestem Aldous	Nebraska	8.01%	97.00%	0.00%	93.00%	02/15	6.00
Big Bluestem Kaw	Missouri	15.19%	97.00%	5.00%	98.00%	10/14	12.00
Coreopsis Plains	Oregon	5.5%	83.00%	0.00%	83.00%(TZ)	11/14	4.00
Sand Dropseed VNS	Colorado	2.61%	21.00%	74.00%	95.00%	01/15	2.00
Four Wing Saltbush VNS	New Mexico	22.56%	55.00%	0.00%	55.00%(TZ)	12/14	10.00

Other Crop: 0.01%
Weed Seed: 0.01%
Inert Matter: 14.45%

There Are 2 Bags For This Mix
This Bag Weighs 40.30 Bulk Pounds
Use This Bag For 1 Acres.

Total Bulk Pounds: 81