

June 27, 2011

Mr. Mike Bratcher
NMOCD District 2
1301 West Grand Avenue
Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**
Quantum Resources Management, LLC
Artesia Unit No. 32
API # 30-015-01764 – 2RP-769

Dear Mr. Bratcher,

Quantum Resources Management, LLC has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the referenced Artesia Unit No. 32 release. The results of our soil assessment and proposed remediation activities consist of the following:

Incident Date

April 15, 2011

Background Information

The Artesia Unit No. 32 is located approximately sixteen (16) miles southeast of Artesia, New Mexico. The legal location for the site is Section 36, Township 17 South and Range 28 East in Eddy County, New Mexico. More Specifically the latitude and longitude for the release are 32.78729 North and -104.13741 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services the soil in this area is made up of Simona-Bippus land complex soils with 0 to 5 percent slopes. The local surface and shallow geology, Quaternary Age sedimentary deposits, is comprised of alluvium and eolian sands which includes silty soils under lain by dense caliche layers. Drainage courses in this area are normally dry. The New Mexico State Engineer web site indicates the nearest ground water data to be in S34-T17S-R28E. The ground water in Section 34 is reported to be 53' below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

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

| | |
|--------------------------------|----------|
| Depth to ground water | 50'-100' |
| Wellhead Protection Area | >1000' |
| Distance to surface water body | >1000' |

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

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

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

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

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

MIDLAND
2901 State Hwy 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

Incident Description

On April 15, 2011 the injection line west of the Artesia Unit No. 32 was found to be leaking. The line was shut-in, excavated, repaired and placed back into service. Fifteen to twenty (15-20) barrels of produced water were released. No fluids were recovered. The release is located on the pipeline right of way and on the lease road running north of the injection line ending at the Artesia Unit No. 31 location. The impacted area along the pipeline right of way was measured in a northward direction to be approximately 229-foot long, 2-3 feet wide, then eastward another 270-foot long by 2-foot wide. The impacted area along the lease road was measured to be approximately 998-foot long by 2-foot wide, terminating in a pooling area at the Artesia Unit No. 31.

The visually impacted soil at the release point was immediately excavated and taken to a NMOCD approved disposal facility. The excavated area measured approximately 60-foot long by 40-foot wide at a depth of 1.5' bgs at initial impacted area.

Actions Taken

On April 27, 2011 Talon/LPE mobilized personnel to begin the site assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a backhoe. The soil sample locations S-1 thru S-7 were collected from within the impacted areas from 0-8 feet deep. Refusal was encountered at 8-feet deep, with the backhoe.

Soil samples were collected by Talon personnel wearing clean nitrile gloves. The samples were placed in laboratory provided sample containers and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis of chlorides using method SM4500CL-B. All analytical testing was performed on a standard turn-around basis. The complete laboratory report is attached as Appendix II.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

| S-1 | | S-2 | | S-3 | | S-4 | |
|------|------------------|------|------------------|------|------------------|------|------------------|
| Feet | Chlorides(mg/kg) | Feet | Chlorides(mg/kg) | Feet | Chlorides(mg/kg) | Feet | Chlorides(mg/kg) |
| 0' | 10000 | 0' | 4600 | 0' | 3600 | 0' | 9100 |
| 1' | 14800 | 1' | 96 | 1' | 6400 | 1' | 1920 |
| 2' | 14600 | 2' | 32 | 2' | 1490 | 2' | 5100 |
| 3' | 5300 | 3' | 32 | 3' | *-- | 3' | 8400 |
| 4' | 64 | 4' | 32 | 4' | -- | 4' | 4880 |
| 5' | 32 | 5' | 48 | 5' | -- | 5' | 5360 |
| 6' | 144 | 6' | 48 | 6' | -- | 6' | 5200 |
| 7' | 112 | 7' | 208 | 7' | -- | 7' | -- |
| 8' | 192 | 8' | 352 | 8' | -- | 8' | -- |

| S-5 | | S-6 | | S-7 | |
|------------|------------------|------------|------------------|------------|------------------|
| Feet | Chlorides(mg/kg) | Feet | Chlorides(mg/kg) | Feet | Chlorides(mg/kg) |
| 0' | <16 | 0' | 11800 | 0' | 26800 |
| 1' | <16 | 1' | 2240 | 1' | 9200 |
| 2' | 64 | 2' | 128 | 2' | 14400 |
| 3' | 80 | 3' | 32 | 3' | 13200 |
| 4' | 32 | 4' | -- | 4' | 2800 |
| 5' | -- | 5' | -- | 5' | 64 |
| 6' | -- | 6' | -- | 6' | 352 |

*-- Not Tested

Summary and Conclusion

- Groundwater in the project vicinity is greater than 50-feet below land surface per the New Mexico State Engineer Database.
- Based upon the results of the laboratory data obtained for this investigation, the vertical impacts of the chloride release have been documented to range from 1-foot to 6-feet deep throughout the impacted area.
- A dense hard rock formation was encountered at 8' feet below land surface.

Proposed Remedial Actions

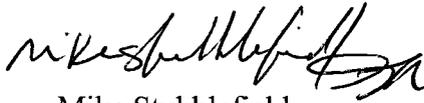
- The impacted soil from this release will be excavated from 1-4 feet deep as dictated by the laboratory data. The excavated soil will be transported to a NMOCD approved solid waste disposal facility for disposal.
- The area adjacent to sample locations S-2 and S-6 will be excavated to 1-foot below land surface. Sample location S-3 will be excavated to a depth of 2-feet below land surface, and the area near S-1 excavated to a depth of 3-feet. Sample locations S-4 and S-7 will be excavated to 4-feet deep. No excavation activities will be undertaken near sample location S-5.
- Soil samples will be collected and field tested for chlorides from the side walls of the excavated areas. Upon completion of excavation activities, confirmation samples will be submitted to Cardinal Laboratories for analysis of chlorides using method SM4500CL-B.
- A 20 Mil liner will then be installed into the bottom of the excavated areas located in the vicinity of S-4 and S-7 where the remaining chloride impacts exceed 1000 mg/kg at 4-feet deep.

- The excavated area will be backfilled to grade using new material transported from a local borrow pit.
- A final report will be provided to the NMOCD Artesia Office utilizing Form C-141.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE



Mike Stubblefield
Project Manager



David J. Adkins
District Manager

SITE MAP

Lease Road

S-7

S-6

S-5

Lease Road

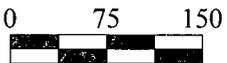
Lease Road

S-4

S-3

S-2

S-1



Scale in Feet

Legend

- ◆ - Sample Location
- ~ - Impacted Area



Date: 06/30/2011
Scale: 1" = 150'
Drawn By: TJS

Artesia Unit No. 32
Quantum Resources Management, LLC
Eddy County, New Mexico
Attachment 1 - Site Plan w/Sample Locations

APPENDIX I
GROUNDWATER DATA
INITIAL 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 | 64 16 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|------------|-----------|-----|--------|-------|---------|-----|-----|--------|----------|-----|----------|--|-------------|--------------|
| L 07643 | DOM | | LE | 4 4 2 | 34 | 17S | 28E | 578979 | 3628574* | 807 | 120 | 53 | 67 | |
| | | | | | | | | | | | | Average Depth to Water: 53 feet | | |
| | | | | | | | | | | | | Minimum Depth: 53 feet | | |
| | | | | | | | | | | | | Maximum Depth: 53 feet | | |

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 579187

Northing (Y): 3627794

Radius: 5000

*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 Quantum Resources Management, LLC | Contact Garrett Newton | |
| Address 1905 West Sears Ave., Artesia, New Mexico 88210 | Telephone No. 575-513-0230 | |
| Facility Name Artesia Unit No. 32 | Facility Type WIW | |
| Surface Owner State | Mineral Owner State | Lease No. |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| M | 36 | T17S | R28E | 990' | FSL | 330' | FWL | EDDY |

Latitude 32.78729 Longitude 104.13741

NATURE OF RELEASE

| | | |
|--|--|------------------------------------|
| Type of Release Produced Water | Volume of Release 15 – 20 BBLs | Volume Recovered -0- |
| Source of Release Water Injection line | Date and Hour of Occurrence 04/15/2011 12:00 pm | Date and Hour of Discovery same |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? NMOCD/Mike Bratcher | |
| By Whom? Garrett Newton | Date and Hour 04/15/2011 12:30pm | |
| 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.*

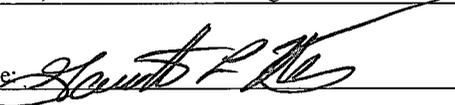
Describe Cause of Problem and Remedial Action Taken.*

The flow line located west of the Artesia Unit No. 32 was found to be leaking. The line was shut-in, excavated and repaired. The impacted soil was excavated and transported to and NMOCD solid waste disposal facility.

Describe Area Affected and Cleanup Action Taken.*

The release was located on the pipeline right away west of the Artesia Unit No. 32. The area affected was located on the flow line right away and the lease road running north of the injection line. Talon/LPE has been contracted for the construction of a work plan and the correction of the impacted area.

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: Garrett Newton | Approved by District Supervisor: | |
| Title: Field Supervisor | Approval Date: | Expiration Date: |
| E-mail Address: gnewton@pvtnetworks.net | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: 04/21/2011 | Phone: 575-513-0230 | |

APPENDIX II
LABORATORY RESULTS



May 11, 2011

MIKE STUBBLEFIELD
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: ARTESIA UNIT #32

Enclosed are the results of analyses for samples received by the laboratory on 05/06/11 11:04.

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 1 0' (H100920-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10000 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 1 1' (H100920-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14800 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 1 2' (H100920-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14600 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

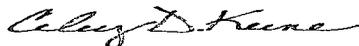
Sample ID: S - 1 3' (H100920-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5300 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

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.



Caley 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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 1 4' (H100920-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 1 5' (H100920-06)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 1 6' (H100920-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 1 7' (H100920-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

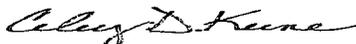
Sample ID: S - 1 8' (H100920-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 2 0' (H100920-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4600 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 1' (H100920-11)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 2' (H100920-12)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 3' (H100920-13)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 4' (H100920-14)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

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: 05/06/2011
 Reported: 05/11/2011
 Project Name: ARTESIA UNIT #32
 Project Number: 701407.009.01
 Project Location: SEC. 36-T17S.R28E

 Sampling Date: 04/27/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S - 2 5' (H100920-15)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 6' (H100920-16)

| 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 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 7' (H100920-17)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 2 8' (H100920-18)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 3 0' (H100920-19)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3800 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 3 1' (H100920-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3600 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 3 2' (H100920-21)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6400 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 3 3' (H100920-22)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1490 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 4 0' (H100920-23)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9100 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

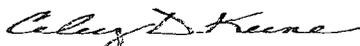
Sample ID: S - 4 1' (H100920-24)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1920 | 16.0 | 05/09/2011 | ND | 432 | 108 | 400 | 0.00 | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 4 2' (H100920-25)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 5100 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 4 3' (H100920-26)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 8400 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 4 4' (H100920-27)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4880 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 4 5' (H100920-28)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 5360 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 4 6' (H100920-29)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 5200 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 5 0' (H100920-30)

| 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 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 5 1' (H100920-31)

| 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 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 5 2' (H100920-32)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: S - 5 3' (H100920-33)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | |

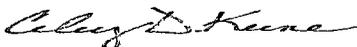
Sample ID: S - 5 4' (H100920-34)

| 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 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 6 0' (H100920-35)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 11800 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 6 1' (H100920-36)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2240 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 6 2' (H100920-37)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: S - 6 3' (H100920-38)

| Chloride, SM4500CI-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 | 05/10/2011 | ND | 432 | 108 | 400 | 0.00 | | |

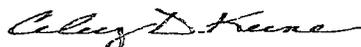
Sample ID: S - 7 0' (H100920-39)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 26800 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

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: | 05/06/2011 | Sampling Date: | 04/27/2011 |
| Reported: | 05/11/2011 | Sampling Type: | Soil |
| Project Name: | ARTESIA UNIT #32 | Sampling Condition: | ** (See Notes) |
| Project Number: | 701407.009.01 | Sample Received By: | Jodi Henson |
| Project Location: | SEC. 36-T17S.R28E | | |

Sample ID: S - 7 1' (H100920-40)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 9200 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

Sample ID: S - 7 2' (H100920-41)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 14400 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

Sample ID: S - 7 3' (H100920-42)

| 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 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

Sample ID: S - 7 4' (H100920-43)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2800 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

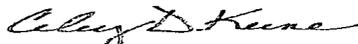
Sample ID: S - 7 5' (H100920-44)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: HM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | | |

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: 05/06/2011
 Reported: 05/11/2011
 Project Name: ARTESIA UNIT #32
 Project Number: 701407.009.01
 Project Location: SEC. 36-T17S.R28E

 Sampling Date: 04/27/2011
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S - 7 6' (H100920-45)

Chloride, SM4500Cl-B

mg/kg

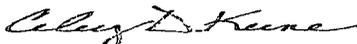
Analyzed By: HM

| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
|----------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Chloride | 352 | 16.0 | 05/10/2011 | ND | 448 | 112 | 400 | 0.00 | |

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

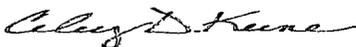
Notes and Definitions

- 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

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

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88241
 (505) 393-2326 FAX (505) 393-2473

3.5

| Company Name: Talon LLP | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | |
|---|-------------|----------------------------|-------------|--|------|-----|--------|-------|-----------|----------|-----------|---------|------|--|----------|--|--|--|--|--|
| Project Manager: Mike Stubblefield | | P.O. #: | | <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total collected</div> | | | | | | | | | | | | | | | | |
| Address: 408 W. Texas Ave | | Company: Talon LLP | | | | | | | | | | | | | | | | | | |
| City: Artesia State: NM Zip: 88210 | | Attn: | | | | | | | | | | | | | | | | | | |
| Phone #: 505-441-7254 Fax #: 505-746-8908 | | Address: | | | | | | | | | | | | | | | | | | |
| Project #: 201409.009.01 Project Owner: Quantum Res | | City: | | | | | | | | | | | | | | | | | | |
| Project Name: ARTESIA UNIT No. 32 | | State: Zip: | | | | | | | | | | | | | | | | | | |
| Project Location: see 38-T125-R28E | | Phone #: | | | | | | | | | | | | | | | | | | |
| Sampler Name: Mike Stubblefield | | Fax #: | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | GRAB OR (COMP # CONTAINERS | MATRIX | | | | | | | | | PRESERV | | | SAMPLING | | | | | |
| | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER | ACID/BASE | ICE/COOL | OTHER | DATE | TIME | | | | | | | |
| H10012021 | S-3 2' | G | | | | | | | | | 4/20/2011 | 11:55A | ✓ | | | | | | | |
| 22 | S-3 3' | G | | | | | | | | | 4/20/2011 | 12:04P | ✓ | | | | | | | |
| 23 | S-4 0' | G | | | | | | | | | 4/20/2011 | 12:21P | ✓ | | | | | | | |
| 24 | S-4 1' | G | | | | | | | | | 4/20/2011 | 12:23P | ✓ | | | | | | | |
| 25 | S-4 2' | G | | | | | | | | | 4/20/2011 | 12:27P | ✓ | | | | | | | |
| 26 | S-4 3' | G | | | | | | | | | 4/20/2011 | 12:32P | ✓ | | | | | | | |
| 27 | S-4 4' | G | | | | | | | | | 4/20/2011 | 12:35P | ✓ | | | | | | | |
| 28 | S-4 5' | G | | | | | | | | | 4/20/2011 | 12:48P | ✓ | | | | | | | |
| 29 | S-4 6' | G | | | | | | | | | 4/20/2011 | 12:45P | ✓ | | | | | | | |
| 30 | S-5 0' | G | | | | | | | | | 4/20/2011 | 1:07P | ✓ | | | | | | | |

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising hereunder shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless filed in writing with Cardinal within 30 days after completion of the analytical services. In no event shall Cardinal be liable for incidental or consequential damages resulting from any claim arising hereunder. The loss of any or all samples received by client, its subsidiaries, affiliates or successors upon out-of-control or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon one of the above stated theories or otherwise.

| | | | | |
|---|---|---------------------------------|--|----------------|
| Relinquished By: Mike Stubblefield | Date: 3-5-11 | Received By: Paula B... | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| | Time: 4:20 PM | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: Paula B... | Date: 5/16/11 | Received By: Jodie Neuse | REMARKS: | |
| | Time: 11:04 | | | |
| Delivered By: (Cycle One) | Sample Condition | CHECKED BY: | | |
| Sampler - UFs - Ics - Other: | Cool <input type="checkbox"/> Heat <input type="checkbox"/> | JN | | |
| | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | |

Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2376

#26

