



January 5, 2016

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

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

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

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

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

Subject: **Soil Assessment and Remediation Work Plan (Revised)**
Pyote Water Solutions, LLC
Rohmer #1 SWD
30-015-25722 (2RP-1916)

Dear Mr. Bratcher

Pyote Water Solutions, LLC (Pyote) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the Rohmer #1 SWD. The results of our soil assessment and proposed remediation activities consist of the following.

Background Information

The Rohmer #1 SWD is located approximately 6 miles southeast of Carlsbad, New Mexico. The legal Location for this site is Unit letter F, Section 23, Township 22 South, and Range 27 East. More specifically the latitude and longitude for this site are 32.379989 North and -104.162618 West. A site plan is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of the Upton gravelly loam with 0 to 9 percent slopes. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 45-feet below ground surface (bgs) according the New Mexico Office of the State Engineer. Appendix II.

The ranking for this site is **20** based on the following:

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

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ENGINEERING
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Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

A high pressure discharge line spit due to a switch failure resulting in a release of approximately 60bbbls of produced water. The fluid flowed from the release point to the north-northwest behind the storage tanks for approximately 152-feet. The fluid penetrated the earthen containment berm on the west side of the battery and entered the pasture on private land. This area of the release was remediated previously as described below.

Remedial Activities

Talon was initially contracted to assist in the remediation of the impacted soil on the private pasture land. The impacted area on the private pasture land measured approximately 47-feet by 70-feet. The area was excavated to a depths between 1-foot and 4.5-feet bgs. All of the laboratory results from the soil sampling in this area were presented to NMOCD and this portion of the remediation was subsequently closed.

On October 28, 2015 Talon mobilized personnel to collect soil samples within the impacted area inside of the battery to complete vertical and horizontal delineation activities per NMOCD guidelines. Due to the rockiness of this area refusal was encountered at a depths varying between 8-feet and 9-feet bgs.

Upon receipt of the laboratory data from the sampling event on October 28, 2015 and correspondence with NMOCD it was determined that further vertical delineation of chloride impacts at this site would be required. An air rotary drilling rig was utilized to delineate the site to a total depth of 20-feet bgs where field chloride titrations indicated that chloride levels were below NMOCD delineation guidelines of 250 mg/kg. Subsequent laboratory analysis confirmed the results of the field chloride titrations. Laboratory results from the soil sampling event are summarized in the table below.

Laboratory Results

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

| Sample ID | Depth (feet) | BTEX (mg/kg) | Chlorides (mg/kg) | TPH (mg/kg) GRO | TPH (mg/kg) DRO |
|-------------|--------------|--------------|-------------------|-----------------|-----------------|
| S-7 | 0 | -- | 12800 | -- | -- |
| S-7 | 1 | -- | 6480 | -- | -- |
| S-7 | 2 | -- | 5920 | -- | -- |
| S-7 | 3 | -- | 5760 | -- | -- |
| S-7 | 4 | -- | 3920 | -- | -- |
| S-7 | 5 | -- | 976 | -- | -- |
| S-7 | 6 | -- | 528 | -- | -- |
| S-7 | 7 | -- | 528 | -- | -- |
| S-7 Refusal | 8 | -- | 1340 | -- | -- |
| S-8 | 0 | -- | 19600 | -- | -- |
| S-8 | 1 | -- | 3640 | -- | -- |
| S-8 | 2 | -- | 3680 | -- | -- |
| S-8 | 3 | -- | 3880 | -- | -- |
| S-8 | 4 | -- | 3120 | -- | -- |
| S-8 | 5 | -- | 2800 | -- | -- |
| S-8 | 6 | -- | 1320 | -- | -- |
| S-8 | 7 | -- | 920 | -- | -- |
| S-8 | 8 | -- | 960 | -- | -- |
| S-8 Refusal | 9 | -- | 1660 | -- | -- |
| S-9 | 0 | -- | 5040 | -- | -- |
| BH-1 | 0 | ND | 34000 | ND | 250 |
| BH-1 | 10 | -- | 544 | ND | 12.9 |
| BH-1 | 15 | -- | 320 | -- | -- |
| BH-1 | 20 | -- | 240 | -- | -- |

(--) Analyte Not Tested

(ND) Analyte Not Detected

Based upon the site ranking of **20**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 100 mg/kg for TPH, and 1,000 mg/kg for Chloride.

Proposed Remedial Actions

- The impacted area inside of the battery in the vicinity of sample locations S-7 and S-8 will be excavated to a depth of 4-feet bgs.
- The excavation will be extended horizontally in the direction of sample location S-9 utilizing field chloride titrations as a guide. Once field results indicate that all of the soil above the RRAL for chloride has been removed a confirmation soil sample will be taken to demonstrate that the horizontal extent of the release has been successfully remediated.
- All of the excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- A 20-mil reinforced liner padded with felt will be installed in the bottom of the excavation to encapsulate the remaining impacted soil.
- The excavation will be backfilled with caliche and contoured to match the surrounding location.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768.

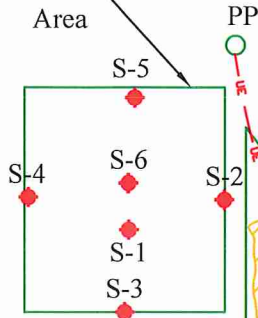
Respectfully submitted,


Sheldon Hitchcock
Project Manager

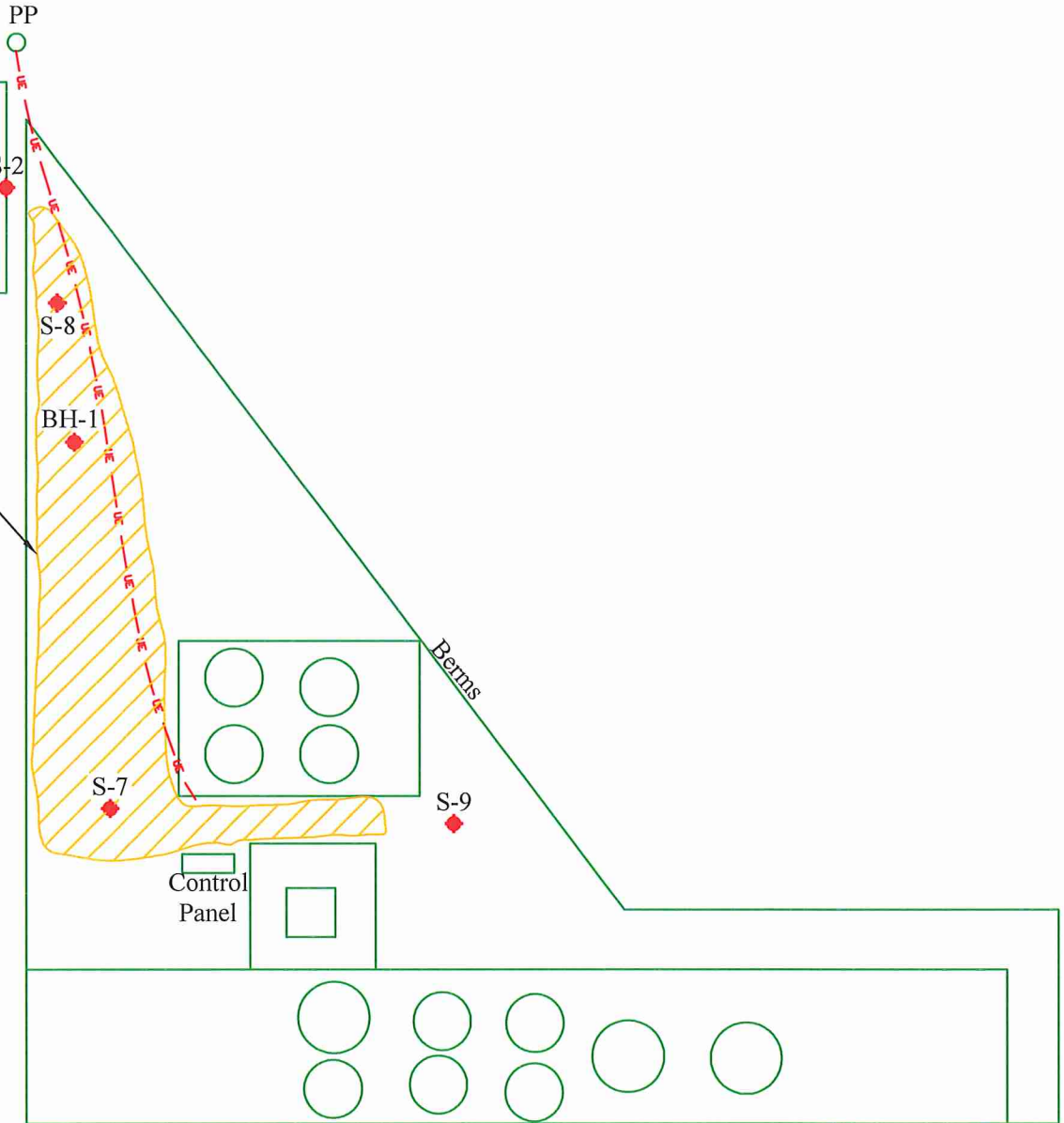

David J. Adkins
District Manager

SITE PLAN

Previously
Remediated
Area



Impacted
Area



NTS



Legend

- ◆ - Sample Location
- - - - - Underground Electric Line



Date: 01/05/2016

Scale: NTS

Drawn By: TJS

Rhomer #1
Pyote Water Solutions, LLC
Eddy County, New Mexico
Figure 1 - Site Plan

GROUNDWATER DATA



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 |
|---------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 00231 A | | | ED | 1 | 4 | 1 | 23 | 22S | 27E | 578666 | 3582951* | 141 | 178 | 45 | 133 |
| C 03063 | | | ED | 1 | 4 | 1 | 23 | 22S | 27E | 578666 | 3582951* | 141 | 163 | 40 | 123 |
| C 01776 | C | | ED | | 3 | 1 | 23 | 22S | 27E | 578361 | 3582846* | 406 | 157 | 40 | 117 |
| C 01805 | C | | ED | | | 3 | 23 | 22S | 27E | 578566 | 3582235* | 648 | 125 | 98 | 27 |
| C 01713 | C | | ED | 3 | 1 | 3 | 23 | 22S | 27E | 578262 | 3582339* | 719 | 101 | 46 | 55 |
| C 00043 | C | | ED | 3 | 3 | 3 | 14 | 22S | 27E | 578256 | 3583557* | 870 | 120 | | |
| C 01242 | | | ED | 1 | 3 | 3 | 23 | 22S | 27E | 578264 | 3582133* | 877 | 155 | 40 | 115 |

Average Depth to Water: 51 feet

Minimum Depth: 40 feet

Maximum Depth: 98 feet

Record Count: 7

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 578767

Northing (Y): 3582852

Radius: 1000

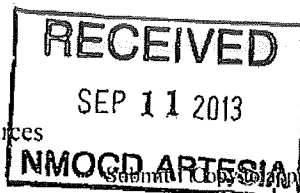
*UTM location was derived from PLSS - see Help

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.

INITIAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

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

Release Notification and Corrective Action

nJMW 1326329033

OPERATOR

☒ Initial Report ☐ Final Report

| | | | |
|-----------------|--------------------------------------|---------------|--------------|
| Name of Company | Pyote Well Service LLC 294873 | Contact | Jerry Burton |
| Address | 400 W Illinois Ave STE 950 | Telephone No. | 432-448-4917 |
| Facility Name | Rhomer #1 SWD BATTERY | Facility Type | Disposal |

| | | | | | |
|---------------|-----|---------------|-----|---------|--------------|
| Surface Owner | FEE | Mineral Owner | FEE | API No. | 30-015-25722 |
|---------------|-----|---------------|-----|---------|--------------|

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| F | 23 | 22S | 27e | 1980 N | N | 1980 W | W | EDDY |

Latitude 32.3799890160329 Longitude 104.162618544465

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|-----------------|----------------------------|----------|
| Type of Release | PRODUCE WATER | Volume of Release | 60 BBL S | Volume Recovered | 60 BBL S |
| Source of Release | high pressure line | Date and Hour of Occurrence | 8-28-13 | Date and Hour of Discovery | 8-28-13 |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Mike Bratcher | | |
| By Whom? | Jerry Burton | Date and Hour | 2:25 pm 8-28-13 | | |
| 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.*
discharge high pressure line split.
Replaced high pressure line

Describe Area Affected and Cleanup Action Taken.*
on location east corner of private land.
Cleaned up got permissions from land owners to dig out contaminated soil. Will have soil sampled, after cleared will be replaced with fresh top soil.

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: Jerry Burton | | Approved by Environmental Specialist: Signed By: <i>Mike Bratcher</i> | |
| Title: New Mexico Regional Dist Manager | | Approval Date: SEP 20 2013 | Expiration Date: |
| E-mail Address: jerry.burton1961@gmail.com | | Conditions of Approval: Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: | |
| Date: 8-29-13 | Phone: 432-448-4917 | Attached <input type="checkbox"/> | |

* Attach Additional Sheets If Necessary

OCTOBER 20, 2013

2RP-1916

LABORATORY RESULTS

November 04, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RHOMER #1 SWD

Enclosed are the results of analyses for samples received by the laboratory on 10/29/15 14:05.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/29/2015
 Reported: 11/04/2015
 Project Name: RHOMER #1 SWD
 Project Number: 701712.001.01
 Project Location: NOT GIVEN

 Sampling Date: 10/28/2015
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-7 0' (H502842-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12800 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 1' (H502842-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6480 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 2' (H502842-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5920 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 3' (H502842-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5760 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/29/2015
Reported: 11/04/2015
Project Name: RHOMER #1 SWD
Project Number: 701712.001.01
Project Location: NOT GIVEN

Sampling Date: 10/28/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S-7 4' (H502842-05)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3920 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 5' (H502842-06)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 976 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 6' (H502842-07)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 7' (H502842-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-7 8' REFUSAL (H502842-09)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1340 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

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*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/29/2015
Reported: 11/04/2015
Project Name: RHOMER #1 SWD
Project Number: 701712.001.01
Project Location: NOT GIVEN

Sampling Date: 10/28/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson

Sample ID: S-8 0' (H502842-10)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 19600 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 1' (H502842-11)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3640 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 2' (H502842-12)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3680 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 3' (H502842-13)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3880 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 4' (H502842-14)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3120 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 10/29/2015
 Reported: 11/04/2015
 Project Name: RHOMER #1 SWD
 Project Number: 701712.001.01
 Project Location: NOT GIVEN

 Sampling Date: 10/28/2015
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: S-8 5' (H502842-15)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2800 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 6' (H502842-16)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1320 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 7' (H502842-17)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 920 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 8' (H502842-18)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 960 | 16.0 | 11/03/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: S-8 9' REFUSAL (H502842-19)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1660 | 16.0 | 11/03/2015 | ND | 416 | 104 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/29/2015
Reported: 11/04/2015
Project Name: RHOMER #1 SWD
Project Number: 701712.001.01
Project Location: NOT GIVEN

Sampling Date: 10/28/2015
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Jodi Henson


Sample ID: S-9 0' (H502842-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5040 | 16.0 | 11/03/2015 | ND | 416 | 104 | 400 | 3.92 | |

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Celey D. Keene, Lab Director/Quality Manager

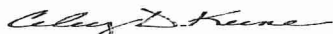
Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: S. Hitchcock

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

State: NM zip: 88210
Fax #: 575-746-8905

Project #: 701712.001.01 Project Owner: Pate

Project Name: Rehmer #1 SWD

Project Location:

Sample Name: S. Hitchcock

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Lab I.D.

Sample I.D.

H502842

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(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Talon/LPE | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--|-------------|--|--------------------|--|--------------|--|------------------|--|------------|--|------|--|-----|--|--------|--|---------|--|------------|--|------------|--|---------|--|----------|--|------|--|
| Project Manager: | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 408 W. Texas Ave. | | | | Company: Talon/LPE | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Artesia | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-746-8768 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax #: 575-746-8905 | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | | | State: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: | | | | Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | | | | PRESERV | | | | SAMPLING | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | |
| H502842 | | 5-81 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 10/28/15 | | 2:04 | |
| 12 | | 5-82 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:04 | | 2:04 | |
| 13 | | 5-83 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:10 | | 2:10 | |
| 14 | | 5-84 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:12 | | 2:12 | |
| 15 | | 5-85 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:14 | | 2:14 | |
| 16 | | 5-86 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:16 | | 2:16 | |
| 17 | | 5-87 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:18 | | 2:18 | |
| 18 | | 5-88 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:20 | | 2:20 | |
| 19 | | 5-89 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:24 | | 2:24 | |
| 20 | | 5-90 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:26 | | 2:26 | |
| 21 | | 5-91 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:28 | | 2:28 | |
| 22 | | 5-92 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:30 | | 2:30 | |
| 23 | | 5-93 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:32 | | 2:32 | |
| 24 | | 5-94 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:34 | | 2:34 | |
| 25 | | 5-95 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:36 | | 2:36 | |
| 26 | | 5-96 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:38 | | 2:38 | |
| 27 | | 5-97 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:40 | | 2:40 | |
| 28 | | 5-98 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:42 | | 2:42 | |
| 29 | | 5-99 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:44 | | 2:44 | |
| 30 | | 5-100 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:46 | | 2:46 | |
| 31 | | 5-101 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:48 | | 2:48 | |
| 32 | | 5-102 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:50 | | 2:50 | |
| 33 | | 5-103 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:52 | | 2:52 | |
| 34 | | 5-104 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:54 | | 2:54 | |
| 35 | | 5-105 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:56 | | 2:56 | |
| 36 | | 5-106 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2:58 | | 2:58 | |
| 37 | | 5-107 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:00 | | 3:00 | |
| 38 | | 5-108 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:02 | | 3:02 | |
| 39 | | 5-109 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:04 | | 3:04 | |
| 40 | | 5-110 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:06 | | 3:06 | |
| 41 | | 5-111 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:08 | | 3:08 | |
| 42 | | 5-112 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:10 | | 3:10 | |
| 43 | | 5-113 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:12 | | 3:12 | |
| 44 | | 5-114 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:14 | | 3:14 | |
| 45 | | 5-115 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:16 | | 3:16 | |
| 46 | | 5-116 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:18 | | 3:18 | |
| 47 | | 5-117 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:20 | | 3:20 | |
| 48 | | 5-118 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:22 | | 3:22 | |
| 49 | | 5-119 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:24 | | 3:24 | |
| 50 | | 5-120 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:26 | | 3:26 | |
| 51 | | 5-121 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:28 | | 3:28 | |
| 52 | | 5-122 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:30 | | 3:30 | |
| 53 | | 5-123 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:32 | | 3:32 | |
| 54 | | 5-124 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:34 | | 3:34 | |
| 55 | | 5-125 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:36 | | 3:36 | |
| 56 | | 5-126 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:38 | | 3:38 | |
| 57 | | 5-127 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:40 | | 3:40 | |
| 58 | | 5-128 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:42 | | 3:42 | |
| 59 | | 5-129 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:44 | | 3:44 | |
| 60 | | 5-130 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:46 | | 3:46 | |
| 61 | | 5-131 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:48 | | 3:48 | |
| 62 | | 5-132 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:50 | | 3:50 | |
| 63 | | 5-133 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:52 | | 3:52 | |
| 64 | | 5-134 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:54 | | 3:54 | |
| 65 | | 5-135 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:56 | | 3:56 | |
| 66 | | 5-136 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 3:58 | | 3:58 | |
| 67 | | 5-137 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:00 | | 4:00 | |
| 68 | | 5-138 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:02 | | 4:02 | |
| 69 | | 5-139 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:04 | | 4:04 | |
| 70 | | 5-140 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:06 | | 4:06 | |
| 71 | | 5-141 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:08 | | 4:08 | |
| 72 | | 5-142 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:10 | | 4:10 | |
| 73 | | 5-143 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:12 | | 4:12 | |
| 74 | | 5-144 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:14 | | 4:14 | |
| 75 | | 5-145 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:16 | | 4:16 | |
| 76 | | 5-146 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:18 | | 4:18 | |
| 77 | | 5-147 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:20 | | 4:20 | |
| 78 | | 5-148 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:22 | | 4:22 | |
| 79 | | 5-149 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:24 | | 4:24 | |
| 80 | | 5-150 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:26 | | 4:26 | |
| 81 | | 5-151 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:28 | | 4:28 | |
| 82 | | 5-152 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:30 | | 4:30 | |
| 83 | | 5-153 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:32 | | 4:32 | |
| 84 | | 5-154 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:34 | | 4:34 | |
| 85 | | 5-155 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:36 | | 4:36 | |
| 86 | | 5-156 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:38 | | 4:38 | |
| 87 | | 5-157 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 4:40 | | 4:40 | |
| 88 | | 5-158 | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |

December 23, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RHOMER #1 SWD

Enclosed are the results of analyses for samples received by the laboratory on 12/18/15 11:35.

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,



Caley D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 12/18/2015
Reported: 12/23/2015
Project Name: RHOMER #1 SWD
Project Number: 701712.001.01
Project Location: NOT GIVEN

Sampling Date: 12/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH-1 0' (H503290-01)

| BTX 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 | 12/21/2015 | ND | 2.20 | 110 | 2.00 | 1.51 | |
| Toluene* | <0.050 | 0.050 | 12/21/2015 | ND | 2.25 | 113 | 2.00 | 1.29 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/21/2015 | ND | 2.06 | 103 | 2.00 | 2.62 | |
| Total Xylenes* | <0.150 | 0.150 | 12/21/2015 | ND | 6.56 | 109 | 6.00 | 1.77 | |
| Total BTX | <0.300 | 0.300 | 12/21/2015 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.6-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 34000 | 16.0 | 12/21/2015 | ND | 400 | 100 | 400 | 0.00 | |

| 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 | 12/19/2015 | ND | 173 | 86.5 | 200 | 7.80 | |
| DRO >C10-C28 | 250 | 10.0 | 12/19/2015 | ND | 180 | 90.0 | 200 | 9.08 | |

Surrogate: 1-Chlorooctane 85.7 % 35-147

Surrogate: 1-Chlorooctadecane 88.3 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Project Number: 701712.001.01
Project Location: NOT GIVEN

Sampling Date: 12/17/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH-1 10' (H503290-02)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|------------------------|-------------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 544 | 16.0 | 12/21/2015 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 12/22/2015 | ND | 188 | 93.9 | 200 | 0.715 | |
| DRO >C10-C28 | 12.9 | 10.0 | 12/22/2015 | ND | 176 | 88.2 | 200 | 5.36 | |

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

Sample ID: BH-1 15' (H503290-03)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 12/21/2015 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH-1 20' (H503290-04)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|------------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 12/21/2015 | ND | 400 | 100 | 400 | 0.00 | |

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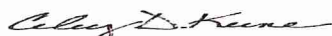
Notes and Definitions

| | |
|-----|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

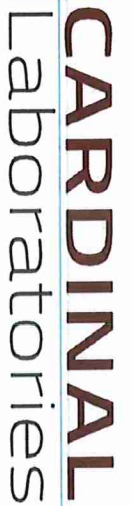
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TPH Added 12/22/15

TPH added 12/22/15
as per Sheldon