Bratcher, Mike, EMNRD

From:

Kimberly M. Wilson < kwilson@talonlpe.com>

Sent:

Friday, May 30, 2014 9:30 AM

To:

Bratcher, Mike, EMNRD

Subject:

FW: Remuda Basin SWD

Attachments:

photo 1.JPG; ATT00001..c; photo 2.JPG; ATT00002..c; photo 3.JPG; ATT00003..c; photo 4.JPG; ATT00004..c; photo 5.JPG; ATT00005..c; 20140530092725806.pdf; H401585

TALON.PDF; 20140530092815106.pdf

Mike please find attached the pictures taken during the delineation of sample location S-4. We were unable to get through the rock shelf which I spoke to you about last week. Can we defer clean-up on location until close of this facility? Per the work plan (and BLM approval) we are going to scrape the impacted area on location 0.5-feet deep. Also attached is the lab results and site map. We have already started the clean-up out there. At sample location S-6 we excavated to 4-feet and S-5 was excavated to 0.5-feet deep. There is no groundwater in the area, attached is the water data.

Thank you.

Respectfully,

Kimberly M. Wilson Project Manager Talon/LPE 408 West Texas Avenue Artesia, New Mexico 88210

Office: 575.746.8768 Fax: 575.746.8905 Cell: 575.602.3826

Emergency: 866.742.0742
Email: <u>kwilson@talon|pe.com</u>
Web: www.talon|pe.com

Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist Staples Foundation for Learning Hall of Fame Recipient: 2010 ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006 Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

----Original Message-----From: Robert Derosier

Sent: Thursday, May 22, 2014 10:25 AM

To: Kimberly M. Wilson

Cc: Robert Derosier; David Adkins Subject: Remuda Basin SWD This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.



May 29, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: REMUDA BASIN SWD

Enclosed are the results of analyses for samples received by the laboratory on 05/23/14 12:25.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/23/2014

Reported:

05/29/2014

Project Name: Project Number: REMUDA BASIN SWD

Project Location:

700794.092.01 **EDDY**

Sampling Date:

05/22/2014

Sampling Type:

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: S-4 2' (H401585-01)

| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AP | | | | | | |
|--|----------------|-----------------|------------------------|--------------------|-----------|------------|----------------------|-------------|----------------------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2800 | 16.0 | 05/29/2014 | ND | 432 | 108 | 400 | 3.77 | | |
| Sample ID: S-4 34" ROCK | ((H401585-0 | 2) | | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3600 | 16.0 | 05/29/2014 | ND | 432 | 108 | 400 | 3.77 | | |
| Sample ID: S-6 4' (H4015 | 585-03) | | | | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AP | | | | | | |
| Analyte | Result | | | | | | | | | |
| | Nesuit | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 960 | Reporting Limit | Analyzed 05/29/2014 | Method Blank ND | BS 432 | % Recovery | True Value QC 400 | RPD 3.77 | Qualifier | |
| | 960 | | , | | | · | | | Qualifier | |
| Sample ID: S-6 5' (H4015 | 960 585-04) | | , | ND | | 108 | | | Qualifier | |
| Chloride Sample ID: S-6 5' (H4015 Chloride, SM4500Cl-B Analyte | 960 585-04) | 16.0 | 05/29/2014 | ND | | 108 | | | Qualifier Qualifier | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive refinedy 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. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

05/23/2014

Sampling Date:

05/22/2014

Reported:

05/29/2014

Sampling Type:

Project Name:

REMUDA BASIN SWD

Sampling Condition:

** (See Notes)

Project Number:

700794.092.01

Sample Received By:

Jodi Henson

Project Location:

EDDY

Sample ID: S-6 6' (H401585-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 05/29/2014 | ND | 432 | 108 | 400 | 3.77 | |

*=Accredited Analyte Cardinal Laboratories

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 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. Keine

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 whistoever 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 claims 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 & Keene

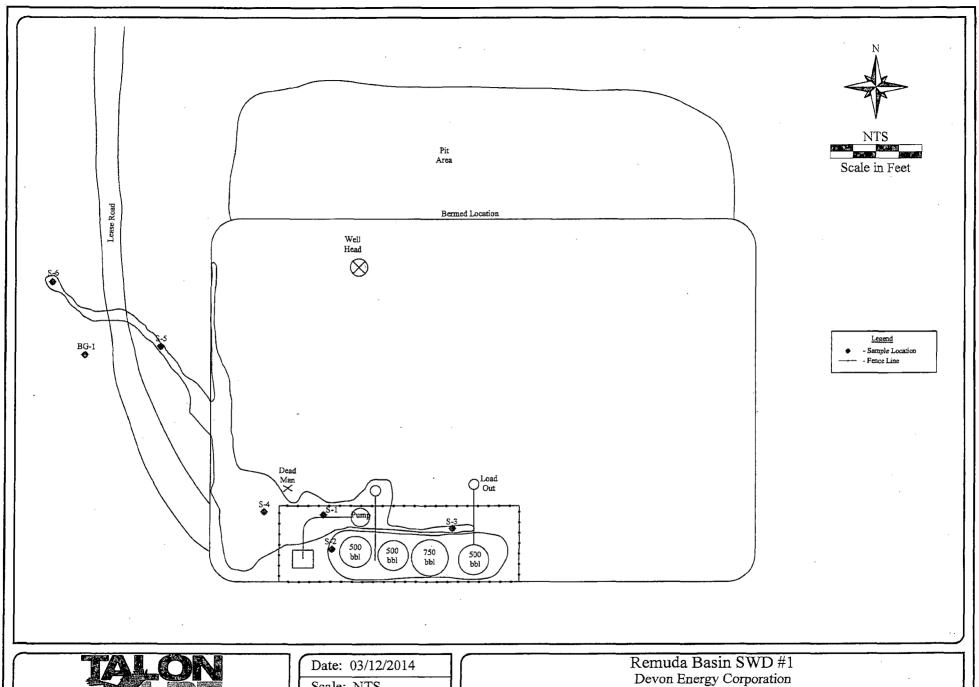


CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: Talon/LPE | | | | | BILL 70 | | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
|---|--|-----------|--|---------------|--------------------|----------|---------------|------------|------------|----------|------------------|--------------------|-------------------|---------|-----------------|----------|--------------|--------------|--------------|--------|--------|---|--|--------------|----|-------------|-----|----------|
| Project Manager: KMW | | | | | | P.O.#: | | | | | | I | | | | | | | T | | | T | | | | \neg | | |
| Address: 408 W. Texas Ave. | | | | | Company: Talon/LPE | | | | | | | | | | 1. | | | | | | | | | | | | | |
| City: Artesia State: NM Zip: 88210 | | | | | | Attn: | | | | | | | • | | | | | | l | | • | 1 | | | | - [| | |
| Phone #: 575-746-8768 Fax #: 575-746-8905 | | | | | | Address: | | | | | | | W | | | | | | - | | | | | | | - | | |
| Project #: 100 299 092 01 Project Owner: | | | | | | City: | | | | | | | A | | | | | | | | | | | | | ı | | |
| Project Name: Romada Basia SWA | | | | | | | State: Zip: | | | | | | | ď | | | 1 | | | | | | | | | | 1 | |
| Project Location: E dd | | | | | | | Phone #: | | | | | | | Q | | | | 1 | | 1 | | | | | | | - [| |
| Sampler Name: | GiBaera | | | | | | | Fax #: | | | | | | | 77 | • | | | | | | | | | | | | 1 |
| FOR LAS USE ONLY | | | | Ĺ, | . MA | TRI | X | | PRE | SE | RV. | SAMP | ING | 7 | \forall | | | | 1 | | 1 | | | | | | | |
| | | OR (C)OMP | _ | ς. | | , | Land Contract | | | | ري | | | 1 | 4 | | | | | | | | | | | 1 | | |
| | | | (G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | | | | | | | | <u>'d</u> | | | 1 | , A | | | 1 | | | | | | | | | | - |
| Lab I.D. | Sample I.D. | Ö | ĬΖ | NDV | EW | | 띘 | بن :: | 3ASE | 00 | ॐ | | | | Jd | | | | | | - | | | 1 | | | 1 | 1 |
| H401585 | - | (G)RAB | # CONTAINERS | ROU | WASTEWATER SOIL | OIL. | SLUDGE | H | ACID/BASE: |)/ E | OTHERKO | DATE | TIME | | | | | | | | | | | 1 | | | | - |
| 10000 | 5-42' | 愕 | * | Ð | 3 5 | , 0 | 5 | Ö | ¥ | 2 | 위 | | 10/04 | | 7 | ******** | | + | ┪ | ╁ | 十 | | | + | +- | +- | + | \dashv |
| 5 | S. 4 34" Rock | 17 | | | 1 | 十 | | | | - | \forall | 7.33.1 | 10:07 | | \mathcal{A} | | | 1- | + | + | 十 | | | \dagger | 1 | - | + | 1 |
| 3 | S-C-4 | 17 | | H | 1 | 十 | | | H | 1 | Ż | 5 | 11:42 | | Ź | | 1 | 1 | 1 | 1 | 十 | | | † | + | | 1 | 1 |
| 4 | 5-6 5 | 17 | | | 1 | 仁 | | | | | \overline{A} | 6 | 11:47 | | 7 | | | 1 | 1 | 1 | \top | | | 1 | 1 | 1 | | |
| 3 | S-66 | | | | / | | | | | | Δ | | 12:05 | | | | | | | | \Box | | | | | | | |
| · | | | | | | - | | | | | _ | | <u> </u> | \perp | | · | | <u> </u> | <u> </u> | 1 | | | | 1 | | | | _ |
| | | _ | | | | - | | · | | _ | _ | | | 1 | | | | _ | | | 4 | | | | 4 | | | 4 |
| | | _ | | | | - | - | | | | 4 | | 1 | + | | | ļ | | - | ╀— | \bot | | | <u> </u> | ऻ | — | | _ |
| | , | ╂ | - | | | | - | | | - | - | · | 1 | + | | | | ╂ | + | + | + | - | | ┼ | ┼— | ┿ | | \dashv |
| PLEASE NOTE: Liability as | nd Damages. Cardinal's liability and cland's exclusive remady for a | iny chi | n erist | g whe | ther base | d in co | ontract | et fort | loria, | be in | albaci tu | o the amount-p | aid by the client | for the | | | <u></u> | | <u></u> | | | | | | | | | |
| service. In no event shall C | ng those for negligerice and any other cause whatspever shall be ardinal be liable for incidental emporasquents) damagas, including | withou | t llorda | đon, b | colness ja | demup | dons, l | ass di | 156, 0 | arol v | of pro | offits incurred by | client, Rs-substa | darim | applicabl s, | e | | | | | | | | | | | | |
| Relinquished By | ing out of or related to the performance of services hereunder by C | | ¢eiv | | | ency. | cialm i | s bess | o upo | U SDA | of the | above stated : | Phone R | | ılt: | ☐ Ye | s C | No | Add' | l Phor | ne #: | | | | | | | 7 |
| 127 | 719914 Times 4 2 | 1 | 1 | \mathcal{M} | 7 | | λ | n | И | 1 | 18 | Qin . | Fax Res | | | ☐ Ye | s [| No | Add' | i Fax | #: | | | | | | | \dashv |
| Refinquished B | v: Date: | 16 | ceiv | 1 | 1 | 7 | 19 | <u> </u> | 7 | <u> </u> | 1 | JVC | 1 | | | | | | | | | | | | | | | |
| rumquiside 15 | | ଅ | CEIV | 5 0 1 | ∟y. | | | | | | | | | | | | | | | | | | | | | | | |
| | Time: | | | | 1 | ~ | | , <u>.</u> | | | | | 1 | | | | | | | | | | | | | | | |
| Delivered By: | - · | | | • | Sample Cool | Inta | ct | [| (| CHE | CK High | ED BY: | | | | | | | • | | | | | | | | | |
| Sampler - UPS - Bus - Other: 29,00 Goor Intact. | | | | | | Yes | | | 1. | H | V | 1 | | | | | | | | | | | | | | | 1 | |

⁺ Cardinal cannot account workel channes Diago for written channes to IETEL 202,228



Scale: NTS

Drawn By: TJS

Devon Energy Corporation Eddy County, New Mexico Figure 1 - Site Plan



