March 29, 2016

Colorado Oil and Gas Corporation Commission 1120 Lincoln Street, Suite 801
Denver, Colorado 80203
ATTN: Rob Young

## RE: SPILL ID\# 443738

Dear Mr. Rob Young,

Foundation Energy Management, LLC (Foundation) is submitting the sampling results for the Spill ID\# 443738, Hilltop \#32-5.

Below is a table that outlines what samples we took and their thresholds. Attached to this letter is the complete sampling report and a map of where the samples were taken.

| Location of Sample | Depth of Sample | Tested for | Sample Taken Date | Sample Result | Table 910-1 Standard | Below Standards? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Background 1 (1366755) | 0-6" | pH | 3/21/2016 | 7.5 | 6-9 | YES |
| Background 2 (1366756) | 6-36" | pH | 3/21/2016 | 8.4 | 6-9 | YES |
| North 1 (1366757) | $0-6{ }^{\prime \prime}$ | pH | 3/21/2016 | 7.6 | 6-9 | YES |
| North 2 (1366758) | 6-36" | pH | 3/21/2016 | 7.7 | 6-9 | YES |
| Middle 1 (1366759) | 0-6" | pH | 3/21/2016 | 6.9 | 6-9 | YES |
| Middle 2 (1366760) | 6-36" | pH | 3/21/2016 | 8 | 6-9 | YES |
| South 1 (1366761) | $0-6{ }^{\prime \prime}$ | pH | 3/21/2016 | 6.5 | 6-9 | YES |
| South 2 (1366762) | 6-36" | pH | 3/21/2016 | 7.3 | 6-9 | YES |
| W 2nd Leaf 1 (1366763) | 0-6" | pH | 3/21/2016 | 7.7 | 6-9 | YES |
| W 2nd Leaf 2 (1366764) | 6-36" | pH | 3/21/2016 | 8.4 | 6-9 | YES |
| E 2nd Leaf 1 (1366765) | 0-6" | pH | 3/21/2016 | 8.4 | 6-9 | YES |
| E 2nd Leaf 2 (1366766) | 6-36" | pH | 3/21/2016 | 8.4 | 6-9 | YES |


| Location of Sample | Depth of Sample | Tested for | Sample Taken Date | Sample Result | Table 910-1 Standard | Below Standards? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Background 1 (1366755) | 0-6" | SAR | 3/21/2016 | 0.26 | <12 | YES |
| Background 2 (1366756) | 6-36" | SAR | 3/21/2016 | 0.26 | <12 | YES |
| North 1 (1366757) | $0-6{ }^{\prime \prime}$ | SAR | 3/21/2016 | 0.42 | $<12$ | YES |
| North 2 (1366758) | 6-36" | SAR | 3/21/2016 | 0.14 | $<12$ | YES |
| Middle 1 (1366759) | 0-6" | SAR | 3/21/2016 | 0.28 | $<12$ | YES |
| Middle 2 (1366760) | 6-36" | SAR | 3/21/2016 | 22.14 | $<12$ | NO |
| South 1 (1366761) | 0-6" | SAR | 3/21/2016 | 3.11 | $<12$ | YES |
| South 2 (1366762) | 6-36" | SAR | 3/21/2016 | 35.87 | $<12$ | NO |
| W 2nd Leaf 1 (1366763) | 0-6" | SAR | 3/21/2016 | 0.46 | $<12$ | YES |
| W 2nd Leaf 2 (1366764) | 6-36" | SAR | 3/21/2016 | 0.39 | $<12$ | YES |
| E2nd Leaf 1 (1366765) | 0-6" | SAR | 3/21/2016 | 3.55 | $<12$ | YES |
| E 2nd Leaf 2 (1366766) | 6-36" | SAR | 3/21/2016 | 0.21 | $<12$ | YES |

Foundation
Energy Management, LLC
ER
Foundation Energy Management, LLC 16000 North Dallas Parkway, Suite 875

Dallas, Texas 75248

| Location of Sample | Depth of Sample | Tested for | Sample Taken Date | Sample Result | Table 910-1 Standard | Below Standards? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Background 1(1366755) | $0-6^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.34 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| Background 2 (1366756) | $6-36^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.48 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| North 1 (1366757) | $0-6^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.32 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| North 2 (1366758) | $6-36^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.34 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| Middle 1(1366759) | $0-6^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.16 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| Middle 2 (1366760) | $6-36^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 1.38 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| South 1 (1366761) | $0-6^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.34 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| South 2 (1366762) | $6-36^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 3.06 | $<4 \mathrm{mmhos} / \mathrm{cm} \mathrm{or} 2 \times$ Background | YES |
| W 2nd Leaf 1 (1366763) | $0-6^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.58 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| W 2nd Leaf 2 (1366764) | $6-36^{\prime \prime}$ | EC | $3 / 21 / 2016$ | 0.64 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| E 2nd Leaf 1 (1366765) | $0-6 " ~$ | EC | $3 / 21 / 2016$ | 0.28 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |
| E 2nd Leaf 2 (1366766) | $6-36 " 1$ | EC | $3 / 21 / 2016$ | 0.34 | $<4 \mathrm{mmhos} / \mathrm{cm}$ or $2 \times$ Background | YES |

Please contact me at (918) 526-5591 or cohair@foundationenergy.com if you have any questions.
Regards,


Caitlin O'Hair
HSE/Regulatory Tech

## American Agricultural Laboratory, Inc.



# American Agricultural Laboratory, Inc. 

## 40469

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Hilltop 32.5

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